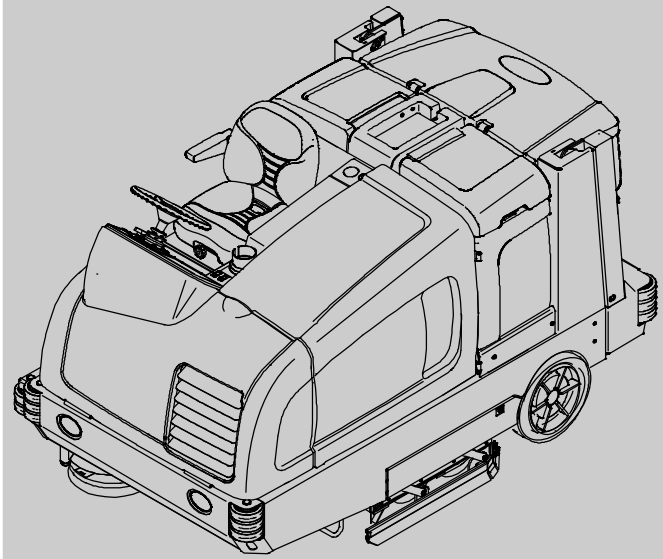
M30
(Gas/LPG)

(S/N 008000–)

Scrubber–Sweeper
Parts Manual



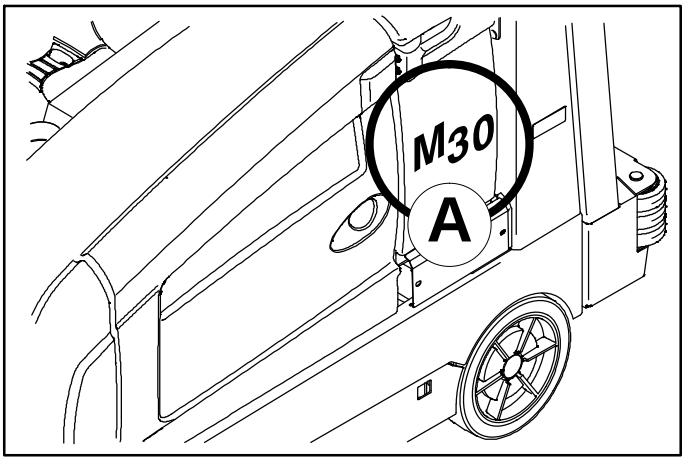
The Safe Scrubbing Alternative®
ES® Extended Scrub System
Tennant*True®* *Parts*
Hygenic® Fully Cleanable Tanks
FloorSmart® Integrated Cleaning System
IRIS® a Tennant Technology

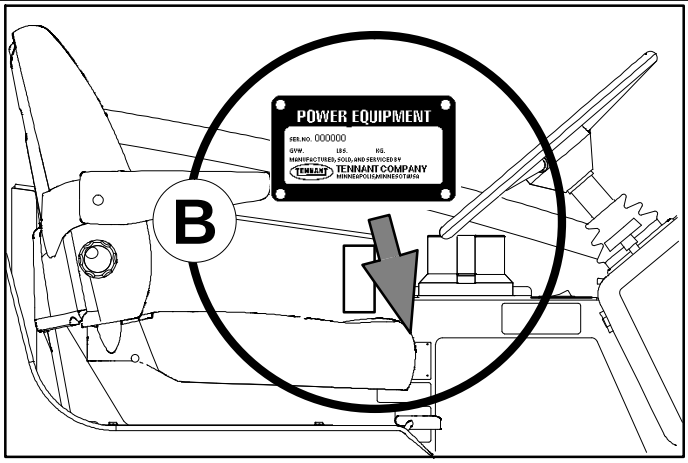
Global

For the latest Parts manuals and other language Operator manuals, visit:

www.tennantco.com/manuals

4195964
Rev. 12 (11-2025)





Ref	Part No.	Serial Number	Description	Qty.
1	82681	(000000–)	Bracket Wldt, Lpg Mount	1
▽ 2	63810	(000000–)	Latch Assy, Lpg Tank Mtg, W/Nut	4
▲ 3	51839	(000000–)	Nut Adjustable, Lpg Tank Mtg	2
4	49263	(000000–)	Tie, Cable	3
5	82556	(000000–001039)	Bracket, Vaporizer	1
6	54930	(000000–)	Vaporizer, LPG	1

D

C

EN

HOW TO ORDER PARTS – See diagram above

Only use TENNANT Company supplied or equivalent parts. Parts and supplies may be ordered online, by phone, by fax or by mail.

Follow the steps below to ensure prompt delivery.

1. **(A)** Identify the machine model.
2. **(B)** Identify the machine serial number from the data plate.
3. **(C)** Ensure the proper serial number is used from the parts list.
4. Identify the part number and quantity. Do not order by page or reference numbers.
5. Provide your name, company name, customer ID number, billing and shipping address, phone number and purchase order number.
6. Provide detail shipping instructions.

(D) ▽ – Identifies an assembly
▲ – Identifies parts included in assembly

Please fill out at time of installation for future reference.

Model No. – _____

Serial No. – _____

Machine Options – _____

Sales Rep. – _____

Sales Rep. phone no. – _____

Customer ID Number – _____

Installation Date – _____

Tennant Company
10400 Clean Street
Eden Prairie, MN 55344–2650
Phone: (800) 553–8033 or (763) 513–2850
www.tennantco.com

Tennant N.V.
Industrielaan 6 5405 AB
P.O. Box 6 5400 AA Uden –
The Netherlands
europe@tennantco.com
www.tennantco.com

Thermo–Sentry, Touch–N–Go, 1–STEP, Clean–Wedge, Variable Drain Valve, EasyOpen, Grip–N–Go, MaxPro2, Dura–Track, SmartRelease, InstantAccess, Duramer, FaST–PAK, ES, FloorSmart and ErgoSpace are trademarks of Tennant Company.

Specifications and parts are subject to change without notice.

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BG

1. **(A)**
2. **(B)**
3. **(C)**
4.
5.
6.

(D) ▽ –
▲ –

–
–
–
–
–
–
–

CN

如何订购部件 – 参见下表

仅使用 TENNANT 公司提供的或同等部件。部件和供应可以在线订购，通过电话、传真或邮件订购。

请遵循下面的步骤确保及时交付。

1. **(A)** 确定机器型号。
2. **(B)** 从数据标签确定机器序列号。
3. **(C)** 确保使用部件列表中的正确序列号。
4. 确定部件号和数量。
   不要按页面或参考编号订购。
5. 提供您的姓名、公司名称、客户 ID 号、付帐和送货地址、
   电话号码和采购单编号。
6. 提供详细的送货说明。

(D) ▽ – 确定组件
▲ – 确定组件中包含的组件

请在安装时填写供未来参考。

型号 –
序列号 –
机器选项 –
销售代表–
销售代表电话号码 –
客户 ID 编号 –
安装日期 –

CZ

1. **(A)**
2. **(B)**
3. **(C)**
4.
5.
6.

(D) ▽ –
▲ –

–
–
–
–
–
–
–

DE

BESTELLEN VON ERSATZTEILEN – Siehe oben stehendes Diagramm.

Verwenden Sie nur von TENNANT gelieferte oder gleichwertige Ersatzteile. Ersatz– und Verschleißteile können online, telefonisch, per Fax oder per E–Mail bestellt werden.

Befolgen Sie für eine umgehende Lieferung die folgenden Schritte.

1. **(A)** Geben Sie das Modell der Maschine an.
2. **(B)** Geben Sie die Seriennummer der Maschine an (auf dem Datenaufkleber).
3. **(C)** Achten Sie darauf, dass die richtigen Seriennummer aus der Ersatzteilliste verwendet wird.
4. Geben Sie die Ersatzteilnummer und die Menge an.
   Bestellen Sie nicht nach Seitenzahl oder Referenznummern.
5. Geben Sie Ihren Namen, den Firmennamen, die Kundennummer,
   die Rechnungs– und Lieferadresse, die Telefonnummer und die Einkaufsauftragsnummer an.
6. Erteilen Sie genaue Versandanweisungen.

(D) ▽ – steht für eine Einheit
▲ – steht für Einzelteile einer Einheit

Bitte bei der Inbetriebnahme als Referenzangabe ausfüllen.

Modellnr. –
Seriennr. –
Maschinenoptionen –
Verkäufer –
Telefonnummer des Verkäufers –
Kundennummer –
Installationsdatum –

Home | Find... | Go To..

DK

BESTILLING AF RESERVEDELE – Se ovenstående tabel.

Brug kun reservedele, der er fremstillet af TENNANT, eller dele af tilsvarende kvalitet. Reservedele og tilbehør kan bestilles online, pr. telefon, pr. fax eller pr. brev.

Følg nedenstående trin for at sikre hurtig levering.

1. **(A)** Identificér maskinmodellen.
2. **(B)** Identificér maskinens serienummer på datamærkaten.
3. **(C)** Kontrollér, at det rigtige serienummer bruges i reservedelslisten.
4. Identificér reservedelsnummeret og antallet. Bestil ikke efter side– eller referencenumre.
5. Angiv dit navn, firmanavn, kunde–id–nummer, faktureringsadresse og leveringsadresse, telefonnummer og indkøbsordrenummer.
6. Angiv detaljerede instruktioner til forsendelse.

(D) ▽ – identificerer en enhed
▲ – identificerer reservedele i en enhed

Udfyld venligst på installationstidspunktet til fremtidig brug.

Modelnr. – _____
Serienr. – _____
Maskinekstraudstyr – _____
Salgskonsulent. – _____
Salgskonsulentens tlf. – _____
Kunde–id–nr. – _____
Installationsdato – _____

EE

KUIDAS VARUOSI TELLIDA – vaadake alltoodud joonist

Kasutage ainult TENNANT Company poolt tarnitud või samaväärseid varuosi. Varuosi ja tarvikuid saab tellida Interneti, telefoni, faksi või posti teel.

Kiire kohaletoimetamise tagamiseks järgige alltoodud juhiseid.

1. **(A)** Märkige masina mudel.
2. **(B)** Märkige andmesildil olev masina seerianumber.
3. **(C)** Veenduge, et olete valinud varuosade loendist õige seerianumbri.
4. Märkige varuosa number ja kogus.
   Ärge tellige lehekülje– või viitenumbri alusel.
5. Märkige oma nimi, ettevõtte nimi, kliendinumber, arveldus– ja saatmisaadress, telefoninumber ja ostutellimuse number.
6. Lisage täpsed saatmisjuhised.

(D) ∇ – tähistab komplekti
▲ – tähistab komplektis olevaid osii

Palun täitke paigaldamise ajal edaspidiseks viitamiseks.

Mudeli number – _____
Seerianumber – _____
Masina lisavarustus – _____
Müügiesindus – _____
Müügiesinduse telefoninumber – _____
Kliendinumber – _____
Paigaldamise kuupäev – _____

ES

CÓMO SOLICITAR PIEZAS – Consulte el diagrama anterior.

Utilice sólo las piezas suministradas por TENNANT Company o piezas equivalentes. Puede solicitar las piezas a través de internet, por teléfono, por fax o por correo.

Siga los siguientes pasos para que la entrega sea rápida.

1. **(A)** Indique el modelo de máquina.
2. **(B)** Indique el número de serie de la etiqueta de datos.
3. **(C)** Asegúrese de que indica el número de serie correcto de la lista de piezas.
4. Indique la cantidad y el número de la pieza.
   No realice el pedidoindicando el número de página o el de referencia.
5. Incluya su nombre, el nombre de la empresa, el ID de cliente, las direcciones de envío y facturación, el número de teléfono y el número del pedido de compra.
6. Facilite instrucciones de envío.

(D) ▽ – identifica un conjunto
▲ – identifica piezas de un conjunto

Rellene estos datos cuando realice la instalación para utilizarlos como referencia en el futuro.

Nº modelo – _____
Nº serie – _____
Opciones de la máquina – _____
Vendedor – _____
Nº teléfono vendedor – _____
Nº cliente – _____
Fecha de instalación – _____

FI

KUINKA VARAOSIA TILATAAN – katso kuvaa yllä.

Käytä ainoastaan TENNANTIN toimittamia tai niitä vastaavia varaosia. Voit tilata varaosia ja tarvikkeita internetistä, puhelimitse, faksilla tai sähköpostilla.

Noudata seuraavia ohjeita täsmällisen toimituksen varmistamiseksi.

1. **(A)** Katso koneen malli.
2. **(B)** IKatso koneen sarjanumero sen tunnustarrasta.
3. **(C)** Varmista, että osaluettelosta, että käytät oikeaa sarjanumeroa.
4. Katso osanumero ja kappalemäärä. Älä tilaa ilmoittamalla sivu– tai viitenumeroita.
5. Ilmoita nimesi, yrityksesi nimi, asiakasnumero, laskutus– ja toimitusosoite, puhelinnumero ja ostotilauksen numero.
6. Ilmoita yksityiskohtaiset toimitusosoitteet.

(D) ▽ – tarkoittaa kokoonpanoa
▲ – tarkoittaa kokoonpanoon sisältyviä osia

Ole hyvä ja täytä ottaessasi koneen käyttöön myöhempiä tarpeita varten.

Mallinumero – _____
Sarjanumero – _____
Koneen lisävarusteet – _____
Myyntiedustaja – _____
Myyntiedustajan puhelinnumero – _____
Asiakasnumero – _____
Asennuspäivä – _____

FR

COMMENT COMMANDER DES PIÈCES DÉTACHÉES – Voir le schéma ci–dessus.

Utilisez uniquement des pièces fournies par la société TENNANT ou équivalentes. Les pièces et fournitures peuvent être commandées en ligne, par téléphone, fax, ou par courrier.

Suivez les étapes ci–dessous pour assurer une livraison rapide.

1. **(A)** Identifiez le modèle de la machine.
2. **(B)** Identifiez le numéro de série de la machine, à partir de l'étiquette signalétique.
3. **(C)** Assurez–vous que le numéro de série correct est utilisé à partir de la liste de pièces détachées.
4. Identifiez le numéro de pièce et la quantité. Ne commandez pas par page ou numéros de référence.
5. Fournissez votre nom, le nom de votre société, votre numéro d'identification de client, l'adresse de facturation et d'expédition, le numéro de téléphone et le numéro du bon de commande.
6. Fournissez des instructions d'expédition détaillées.

(D) ▽ – identifie un assemblage
▲ – identifie les pièces composant l'assemblage

A remplir au moment de l'installation à titre de référence.

Nº du modèle – ______________________

Nº de série – ______________________

Options de la machine – ______________________

Agent commercial – ______________________

Nº tél. de l'agent commercial – ______________________

Numéro d'identification client – ______________________

Date d'installation – ______________________

GR

[illegible]

[illegible]

[illegible]

1. **(A)** [illegible]
2. **(B)** [illegible]
3. **(C)** [illegible]
4. [illegible]
5. [illegible]
6. [illegible]

(D) ▽ – [illegible]
▲ – [illegible]

[illegible]

[illegible] – ______________________

[illegible] – ______________________

[illegible] – ______________________

[illegible] – ______________________

[illegible] – ______________________

[illegible] – ______________________

[illegible] – ______________________

HU

[illegible]

[illegible]

[illegible]

1. **(A)** [illegible]
2. **(B)** [illegible]
3. **(C)** [illegible]
4. [illegible]
5. [illegible]
6. [illegible]

(D) ▽ – [illegible]
▲ – [illegible]

[illegible]

[illegible] – ______________________

[illegible] – ______________________

[illegible] – ______________________

[illegible] – ______________________

[illegible] – ______________________

[illegible] – ______________________

[illegible] – ______________________

IT

COME ORDINARE LE PARTI – Vedere schema precedente.

Utilizzare solo ricambi forniti da TENNANT o equivalenti. Ricambi e forniture possono essere ordinati online, per telefono, via fax o per posta elettronica.

Per ottenere una consegna rapida, seguire i passaggi indicati di seguito.

1. **(A)** Identificare il modello della macchina.
2. **(B)** Identificare il numero di serie della macchina dall'etichetta dei dati.
3. **(C)** Utilizzare il numero di serie corretto presente nell'elenco delle parti di ricambio.
4. Identificare numero di parte e quantità. Non ordinare per numero di pagina o di riferimento.
5. Fornire nome del contatto, nome della società, numero di ID cliente, indirizzo di fatturazione e di spedizione, numero di telefono e numero di ordine di acquisto.
6. Fornire istruzioni dettagliate per la spedizione.

(D) ▽ – identifica un gruppo
▲ – identifica parti comprese in un gruppo

Compilare il modulo al momento dell'installazione

per poterlo consultare in futuro in caso di necessità.

N. Modello – ______________________

N. Serie – ______________________

Opzioni della macchina – ______________________

Venditore – ______________________

Tel. venditore – ______________________

Numero ID cliente – ______________________

Data di installazione – ______________________

JP

パーツの発注方法 ?上記の図を参照してください

TENNANT社製のパーツまたは同等品のみをお使いください。
パーツやサプライ品のご注文は、オンライン、電話、FAX、または手紙でお願いいたします。
確実にお届けできるように、以下の情報お知らせください。

1. **(A)** 製品のモデル名をお知らせください。
2. **(B)** 製品のデータラベルに印刷されているシリアル番号をお知らせください。
3. **(C)** パーツリストを参照して、シリアル番号が正しいかご確認ください。
4. パーツ番号と数量をお知らせください。マニュアル/カタログのページ番号や参照番号でのご注文はご遠慮ください。
5. お客様のお名前、会社名、顧客ID番号、請求/発送先住所、電話番号、注文書番号をお知らせください。
6. 発送に関するご希望があれば、明記してください。

(D) ∇ – アセンブリを示します
▲ – アセンブリに含まれるパーツを示します

後日確認できるように、設置時に記入してください。

モデルNo. –
シリアルNo. –
製品のオプション–
販売代理店 –
販売代理店の電話番号 –
顧客ID番号 –
設置日 –

LT

KAIP UŽSISAKYTI DALIS – žr. diagramà viršuje

Naudokite tik "Tennant" kompanijos tiekiamas arba lygiavertes joms dalis. Dalis galite užsisakyti internetu, telefonu, faksu bei elektroniniu paštu.

Kad užsakymas būtų greitai įvykdytas, laikykitės išvardytų taisyklių.

1. **(A)** Nurodykite mašinos modelį.
2. **(B)** Norodykite mašinos serijos numerį, kurį rasite ant duomenų žymės.
3. **(C)** Įsitikinkite, kad nurodomas tikslus serijos numeris iš dalių sàrašo.
4. Nurodykite dalies numerį ir reikiamà kiekį.
   Neužsakinėkite pagal puslapius ar nuorodos numerius.
5. Nurodykite savo vardà, kompanijos pavadinimà, kliento ID numerį, sàskaitos išrašymo ir vežimo adresà, telefono numerį ir pirkimo užsakymo numerį.
6. Nurodykite išsamias gabenimo instrukcijas.

(D) ∇ – žymi sistemà
▲ – nurodo sistemos dalis

Prašome užpildyti montavimo metu, siekiant gauti informacijà ateityje.

Modelio nr. –
Serijos nr. –
Mašinos parinktys –
Prekybos atstovas –
Komivojažieriaus tel. nr. –
Pirkėjo ID numeris –
Sumontavimo data –

LV

KĀ PASŪTĪT REZERVES DETAĻAS – Skat. diagrammu iepriekš

izmantojiet tikai TENNANT Company piegādātās vai tām līdzvērtīgas rezerves detaļas. Daļas un piegādi var pasūtīt internetā, pa tālruni, pa faksu vai pastu.

Lai nodrošinātu savlaicīgu piegādi, sekojiet zemāk aprakstītajiem soļiem.

1. **(A)** Nosakiet mašīnas modeli.
2. **(B)** Nosakiet mašīnas sērijas numuru uz tehnisko datu uzlīmes.
3. **(C)** Pārliecinieties, ka tiek uzrakstīts attiecīgais sērijas numurs no detaļu saraksta.
4. Nosakiet detaļas numuru un skaitu.
   Veicot pasūtījumus neatsaucieties uz lappušu vai norādes numuriem.
5. Uzrakstiet savu vārdu, uzņēmuma nosaukumi, klienta identitātes numuru, adresi rēķina piesūtīšanai un piegādei un pirkuma pasūtījuma numuru.
6. Sniedziet detalizētu informāciju par piegādi.

(D) ∇ – nosaka ierīci i
▲ – nosaka detaļas, kas ir komplektā ar ierīci

Veicot uzstādīšanu, lūdzam pierakstīst attiecīgo informāciju izmantošanai turpmāk.

Modeļa Nr. –
Sērijas Nr. –
Iekārtas papildaprīkojums–
Pārdošanas pārst. –
Pārdošanas pārst. tālr. Nr. –
Klienta identitātes numuru–
Uzstādīšanas datums–

NL

HOE ONDERDELEN TE BESTELLEN – Zie schema hierboven.

Gebruik alleen onderdelen die door TENNANT Company zijn geleverd of soortgelijke onderdelen. Onderdelen en voorraden kunnen online, per telefoon, fax of schriftelijk besteld worden.

Volg de stappen hieronder om een juiste levering te garanderen.

1. **(A)** Bepaal het machinemodel.
2. **(B)** Lees het serienummer van de machine af van het gegevenslabel.
3. **(C)** Zorg dat het juiste serienummer wordt gebruikt uit de onderdelenlijst.
4. Bepaal het artikelnummer en het aantal. Bestel niet aan de hand van pagina's of referentienummers.
5. Geef uw naam, bedrijfsnaam, klantnummer, factuur– en leveringsadres, telefoonnummer en bestelnummer op.
6. Geef gedetailleerde leveringsinstructies op.

(D) ∇ – geeft een eenheid aan
▲ – geeft de onderdelen van de eenheid aan

Vul tijdens installatie de onderstaande gegevens in voor eventueel toekomstig gebruik.

Modelnr. –
Serienr. –
Machine–opties –
Verkoopvert. –
Telnr. verkoopvert. –
Klantnummer –
Installatiedatum –

NO

HVORDAN BESTILLE DELER – Se diagram over.

Bruk kun deler levert av TENNANT Company eller ekvivalente deler. Deler og forsyninger kan bestilles online, per telefon, per faks eller per post.

Følg trinnene under for å sikre rask levering.

1. **(A)** Angi maskinmodellen.
2. **(B)** Angi maskinens serienummer fra typeskiltet.
3. **(C)** Forsikre deg om at korrekt serienummer brukes fra delelisten.
4. Angi delenummer og antall. Bestill ikke ut fra side– eller referansenumre.
5. Angi ditt navn, firmanavn, kunde–ID–nummer, fakturerings– og forsendelsesadresse, telefonnummer og innkjøpsordrenummer.
6. Angi detaljerte forsendelsesinstruksjoner.

(D) ▽ – angir en delegruppe
▲ – angir deler inkludert i en delegruppe

Fyll ut ved installasjonstidspunkt for fremtidig bruk.

Modellnr. – ______________________

Serienr.. – ______________________

Maskinens tillegg – ______________________

Salgsrep. – ______________________

Salgsrep. telefonnr. – ______________________

Kunde–ID–nummer – ______________________

Installasjonsdato – ______________________

PL

[illegible]

[illegible]

[illegible]

1. **(A)** [illegible]
2. **(B)** [illegible]
3. **(C)** [illegible]
4. [illegible]
5. [illegible]
6. [illegible]

(D) ▽ – [illegible]
▲ – [illegible]

[illegible]

[illegible] – ______________________

[illegible] – ______________________

[illegible] – ______________________

[illegible] – ______________________

[illegible] – ______________________

[illegible] – ______________________

[illegible] – ______________________

PTG

COMO ENCOMENDAR PEÇAS – Consulte o diagrama acima.

Utilize apenas peças fornecidas pela TENNANT Company ou equivalentes. As peças e consumíveis podem ser encomendados online, por telefone, fax ou correio.

Siga os passos abaixo para garantir uma entrega rápida.

1. **(A)** Identifique o modelo da máquina.
2. **(B)** Identifique o número de série da máquina que se encontra na etiqueta de dados.
3. **(C)** Certifique–se de que usa o número de série correcto da lista de peças.
4. Identifique o número de produto e a quantidade. Não encomende através de números de página ou de referência.
5. Forneça o seu nome, o nome da empresa, o número de ID do cliente, os endereços de facturação e entrega, o número de telefone e o número da nota de encomenda.
6. Forneça instruções de entrega detalhadas.

(D) ▽ – identifica uma unidade
▲ – identifica peças incluídas numa unidade

Preencha na altura da instalação para futura referência.

Modelo nº – ______________________

Nº de série – ______________________

Opções da máquina – ______________________

Vendedor – ______________________

Telefone do vendedor – ______________________

Número de ID do cliente – ______________________

Data de instalação – ______________________

RU

[illegible]

[illegible]

[illegible]

1. **(A)** [illegible]
2. **(B)** [illegible]
3. **(C)** [illegible]
4. [illegible]
5. [illegible]
6. [illegible]

(D) ▽ – [illegible]
▲ – [illegible]

[illegible]

[illegible] – ______________________

[illegible] – ______________________

[illegible] – ______________________

[illegible] – ______________________

[illegible] – ______________________

[illegible] – ______________________

[illegible] – ______________________

SE

BESTÄLLNING AV RESERVDELAR – Se ovanstående schema.

Använd endast delar från Tennant Company eller likvärdiga. Delar och material kan beställas online, telefoniskt, per fax eller post.

Följ nedanstående steg för en snabb leverans.

1. **(A)** Identifiera maskinens modell.
2. **(B)** Identifiera maskinens serienummer på typskylten.
3. **(C)** Kontrollera att rätt serienummer används från dellistan.
4. Identifiera artikelnumret och mängden. Beställ inte med hjälp av sido– eller referensnummer.
5. Uppge ditt namn, företagets namn, kundens ID–nummer, faktura– och leveransadress, telefonnummer och ordernumret vid inköp.
6. Ge detaljerade transportanvisningar.

(D) ▽ – identifierar en modul
▲ – identifierar delar som ingår i en modul

Fyll i vid installation och spar för framtida bruk.

Modellnr. – _____
Serienr. – _____
Tilvalsutrustning – _____
Försäljare – _____
Försäljarens tel.nr. – _____
Kundnummer – _____
Installationsdatum – _____

SK

□□□

General Recommended Maintenance Items

	Ref.	Part No.	Serial Number	Description	Qty.
▽		9002555	(008000–)	Maint Kit, 800hr, Gas [M20/T20/M30]	1
▲		31613	(008000–)	Strainer, Hyd, 025gpm 100mesh 03psi	1
▲		25122	(008000–)	Cap, Breather, Hyd, 2.4 Ds	1
▲		1021579	(008000–)	Filter Assy, Hyd, 10mic	1
▲		372440	(008000–011000)	Filter, Fuel [Gm 1.6l/3.0l]	1
		1268530	(011001–)	Filter, Fuel, Assy, Kubota	1
▽		9007381	(008000–)	Maint Kit, 800hr [M20/T20/M30 Lpg 2010]	1
▲		31613	(008000–)	Strainer, Hyd, 025gpm 100mesh 03psi	1
▲		25122	(008000–)	Cap, Breather, Hyd, 2.4 Ds	1
▲		1021579	(008000–)	Filter Assy, Hyd, 10mic	1
▲		9007380	(008000–011000)	Filter Kit, Fuelock, Lpg	1
		1268170	(011001–)	Valve, Lock–off, Kubota, Lpg	1
		371972	(008000–011000)	Element, Fltr, Oil, Eng, Spin–On (GM)	1
		1268374	(011001–)	Filter, Oil, Lpg, Kubota	1
		393982	(008000–)	Element, Fltr, Oil, Spin–On (Mits)	1
		1048295AM	(008000–)	Filter, Panl, Syn, 4.2 X 20.0 X 30.0	1
		1027290	(008000–)	Filter, Soltn, 20mesh, Pm12 3.1d 02.6l	1
		87866	(008000–)	Key, Ignition [Set Of 2]	1
		20833	(008000–)	Wheel, 03.0d 1.38w 0.50b	2
		372571	(008000–)	Belt, Ribbed, 39.0l	1
		1024586	(008000–)	Side Door Inner Skirt	2
		1019295	(008000–)	Side Door Outer Skirt	2
		1033269	(008000–)	Front Tabbed Skirt	1
		1033549	(008000–)	Rear Skirt	1
		1033548	(008000–)	Rear Recirculation Flap	1
		9014160	(008000–)	Plug, Spark	4
		1035067	(008000–)	Blade, Sqge, .38 3.50w 058.0l [Linard]	1
		1035052	(008000–)	Blade, Sqge, .38 4.00w 063.0l, Linatex	1
		83874	(008000–)	Gasket, Sqge	2
		1031011	(008000–)	Blade, Sqge, .38 3.55w 038.3l, Linatex	2
		1073414	(008000–)	Spacer, Sqge, Side Brush, Rbr	1
		1073415	(008000–)	Blade, Sqge, Side Brush, Linatex	1
		1038681	(008000–)	Blade, Sqge, .38 3.50w 058.7l, Ure	1
		1038680	(008000–)	Blade, Sqge, .38 4.00w 063.2l, Ure	1
		1031823	(008000–)	Blade, Sqge, .38 3.55w 038.3l, Ure	2
		1073413	(008000–)	Blade, Sqge, Side Brush, Ure	1
		1073416	(008000–)	Blade, Sqge, Side Brush, Ure	1
		16411	(008000–)	Paint, Airdry, Off–White, 12oz (Not Europe)	1
		16412	(008000–)	Paint, Airdry, Teal, 12oz, Solid (Not Europe)	1
		377540	(008000–)	Paint, Airdry, Blk, 12oz (Not Europe)	1
		377538	(008000–)	Paint, Airdry, Gray, 12oz [Enamel] (Not Europe)	1
		377537	(008000–)	Paint, Airdry, Iron Gray,12oz[Pwdr Coat] (Not Europe)	1
		1057710	(008000–)	Oil, Hyd [El, Iso 100, 01gal]	1
		1057711	(008000–)	Oil, Hyd [El, Iso 100, 05gal]	1
		1069019	(008000–)	Oil, Hyd [El, Iso 68, 01gal]	1
		1069020	(008000–)	Oil, Hyd [El, Iso 68, 05gal]	1
		1057707	(008000–)	Oil, Hyd [El, Iso 32, 01gal]	1
		1057708	(008000–)	Oil, Hyd [El, Iso 32, 05gal]	1
		99321	(008000–)	Oil, Hydraulic 68 [20l] (CE ONLY)	1

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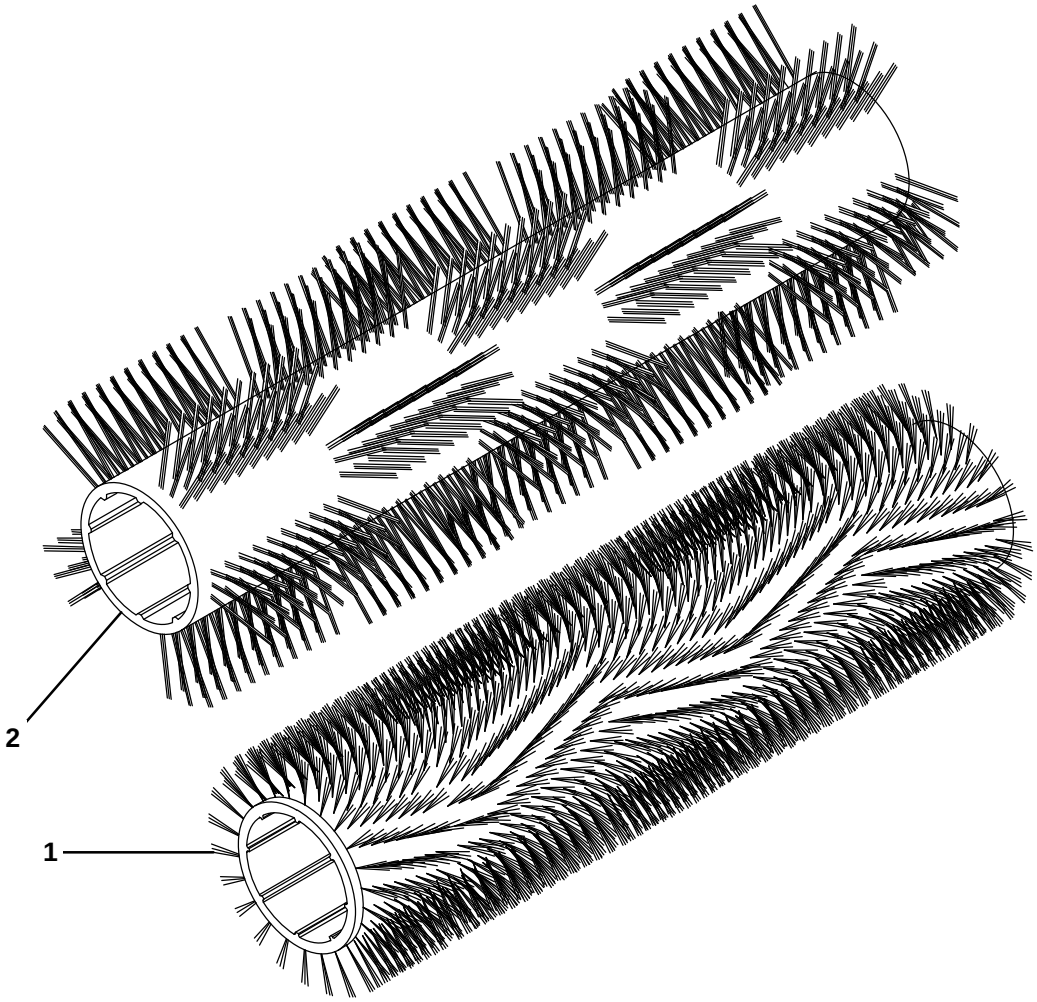
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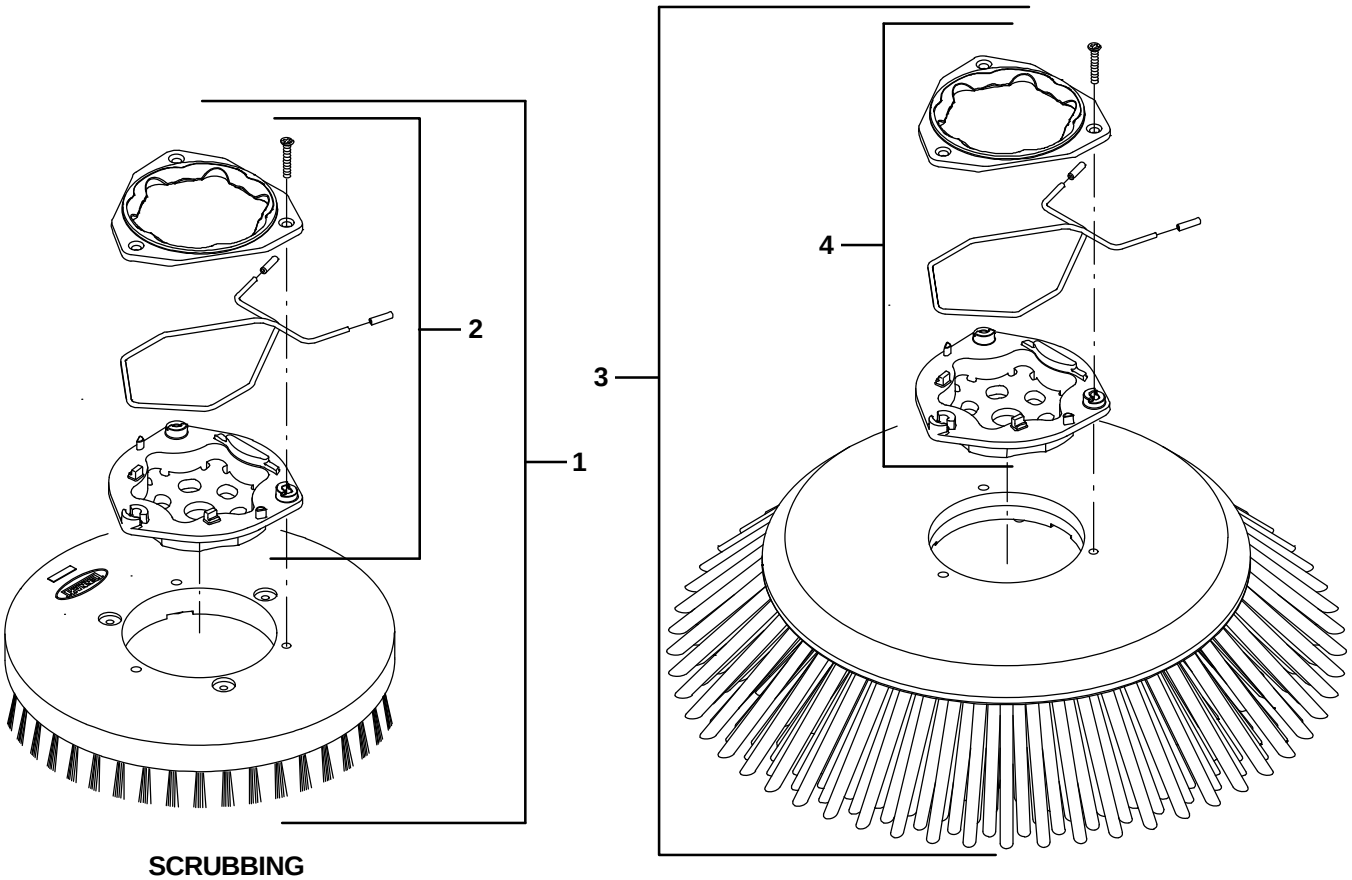
Fig. 1 – Brushes, Replacement, Scrub Head



354408 – M30

Ref.	Part No.	Serial Number	Description	Qty.
1	1033375	(008000–)	Brush, Sweep / Scrub, 48L, 24 Sr, Polypropylene, Spiral	2
1	1252157	(008000–)	Brush, Sweep / Scrub, 48L, 24 Sr,Super Abrasive, Spiral	2
1	1033246	(008000–)	Brush, Sweep / Scrub, 48L, 24 Sr, Polyester, Spiral	2
1	1033374	(008000–)	Brush, Sweep / Scrub, 48L, 24 Sr, Heavy Duty Polypropylene, Spiral	2
2	1038430	(008000–)	Brush, Sweep / Scrub, 48L, Window, Polypropylene, Spiral	2
2	1059641	(008000–)	Brush, Sweep / Scrub, 48L, Window, Super Abrasive, Spiral	2

Fig. 2 – Brushes, Replacement, Side Brush

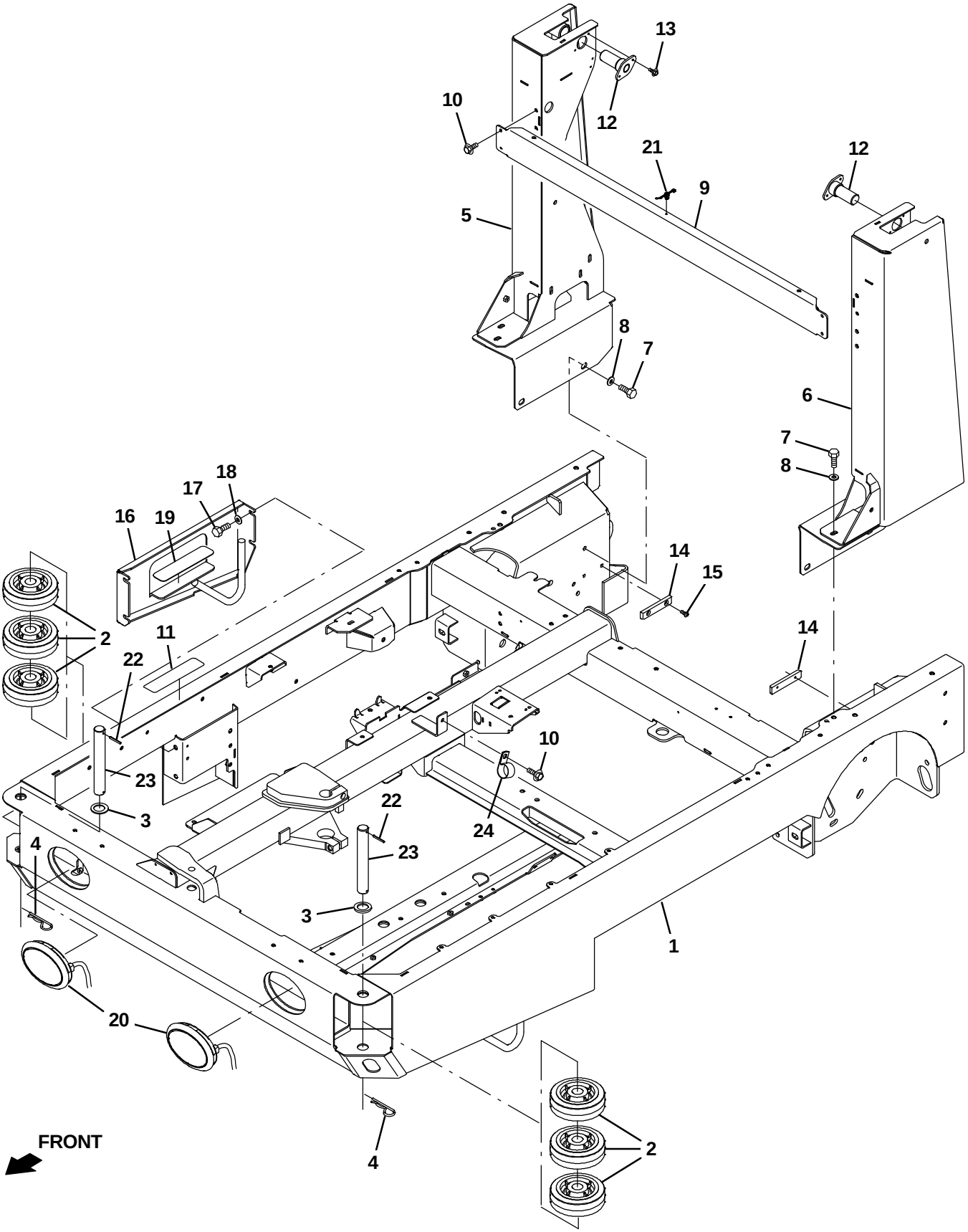


354584 – M30

	Ref.	Part No.	Serial Number	Description	Qty.
▽	1	1220235	(008000–)	Brush Assy, Disk, Scb, 16.0d, Nylon	1
▲	2	9014662	(008000–)	Brush Kit, Hub Assy, Drive, Ci [Hdpe In]	1
▽	1	1220236	(008000–)	Brush Assy, Disk, Scb, 16.0d, Heavy Duty Polypropylene (No. Amer. Only)	1
▲	2	9014662	(008000–)	Brush Kit, Hub Assy, Drive, Ci [Hdpe In]	1
▽	1	1223628	(008000–)	Brush Assy, Disk, Scb, 16.0d, Heavy Duty Polypropylene [Tnv] (Europe Only)	1
▲	2	9014662	(008000–)	Brush Kit, Hub Assy, Drive, Ci [Hdpe In]	1
▽	1	1221543	(008000–)	Brush Assy, Disk, Scb, 16.0d, Super Abrasive	1
▲	2	9014662	(008000–)	Brush Kit, Hub Assy, Drive, Ci [Hdpe In]	1
	1	1223630	(008000–)	Brush, Disk, Scb, 16.0d, Sab [Tnv] (Europe Only)	1
	1	1223631	(008000–)	Brush, Disk, Scb, 16.0d, Nylon 6.12 [Tnv] (Europe Only)	1
	1	1223623	(008000–)	Brush, Disk, Scb, 16.0d, Polypropylene [Tnv] (Europe Only)	1
▽	3	1220185	(008000–)	Brush Assy, Disk, Swp, 24.0d, Polypropylene	1
▲	4	9014666	(008000–)	Brush Kit, Hub Assy, Drive, Ci [Uhmw]	1
	3	1223640	(008000–)	Brush, Disk, Swp, 24.0d, Polypropylene [Tnv] (Europe Only)	1

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Fig. 3 – Main Frame Group



356895 – M30, G

Fig. 3 – Main Frame Group

Ref.	Part No.	Serial Number	Description	Qty.
1	4203408	(008000–)	Frame Wldt, Main, Replmt [M30]	1
2	4034399	(008000–)	Wheel, 06.0D 2.00W 1.19B, Gray Rbr	6
3	4035148	(008000–)	Washer, Flat, 1.26B 1.88D .13, Stl, Pl	2
4	4031623	(008000–)	Pin, Cotter, Hair, 1.00d .178 Wir	2
5	4203409	(008000–)	Tower Wldt, Lift, Rh, Replmt [M30]	1
5	4203823	(008000–)	Tower Wldt, Lift, Rh, Replmt, TJ (Japan Only)	1
5	4203824	(008000–)	Tower Wldt, Lift, Rh, Replmt, CE (Europe Only)	1
6	4203410	(008000–)	Tower Wldt, Lift, Lh, Replmt [M30]	1
6	4203821	(008000–)	Tower Wldt, Lift, Lh, Replmt, TJ (Japan Only)	1
6	4203822	(008000–)	Tower Wldt, Lift, Lh, Replmt, Ce (Europe Only)	1
7	4192500	(008000–)	Screw, Hex, M10 X 1.50 X 25, 8.8	10
8	4034138	(008000–)	Washer, Flat, 0.38, Std	10
9	4192500	(008000–)	Channel, Upper, Tower, Lift	1
10	4045637	(008000–)	Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	5
11	4026685	(008000–)	Tread, Non–Skid, 03.0w 11.6l	1
12	4191725	(008000–)	Pin Wldt, Pivot, Hppr	2
13	4029864	(008000–)	Screw, Hex, M6 X 1.00 X 16, Fmg	4
14	4033833	(008000–)	Block, Centering	2
15	4041962	(008000–)	Screw, Pan, Phl, M6 X 1.00 X 20, 4.8	4
16	4030654	(008000–)	Panel Wldt, Filler	1
17	4035960	(008000–)	Screw, Hex, M10 X 1.50 X 30, Ss	4
18	4042903	(008000–)	Washer, Flat, 0.44b 1.00d .08, Ss	4
19	4030470	(008000–)	Tread, Non–Skid, 01.9w 08.0l	1
20	4045141	(008000–)	Headlight, 12Vdc, Oval, Led	2
21	4038889	(008000–)	Wire, Tie [W/.25” Fir Tree Clip]	1
22	4035025	(008000–)	Pin, Roll, .187d X 1.62l, .187/.192	2
23	4038392	(008000–)	Pin, 30mmd X 215mml	2
24	4015029	(008000–)	Clamp, Cable, Stl, 1.50d X 1.00w, 1hole	1

Fig. 4 – Operator Station

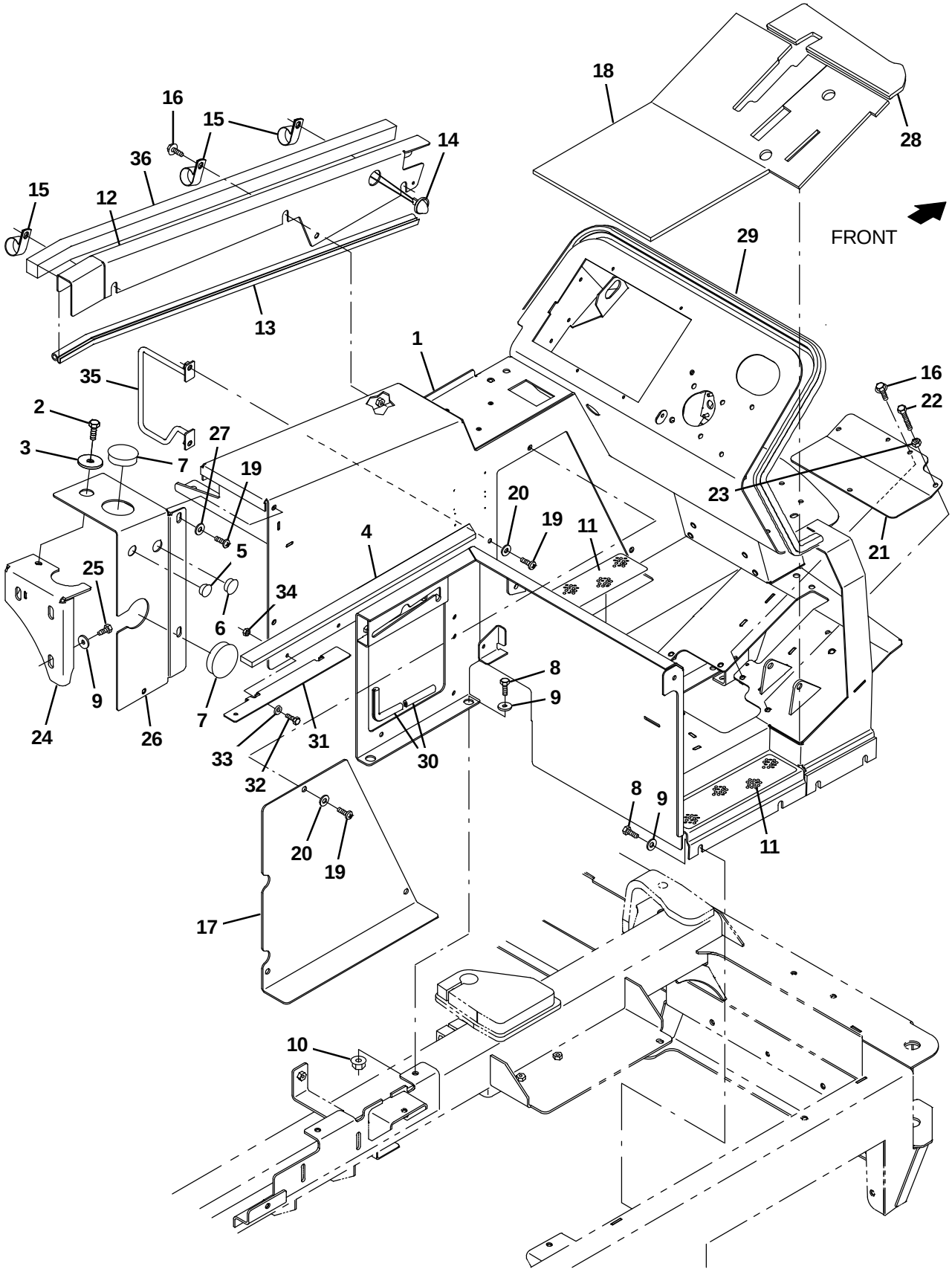
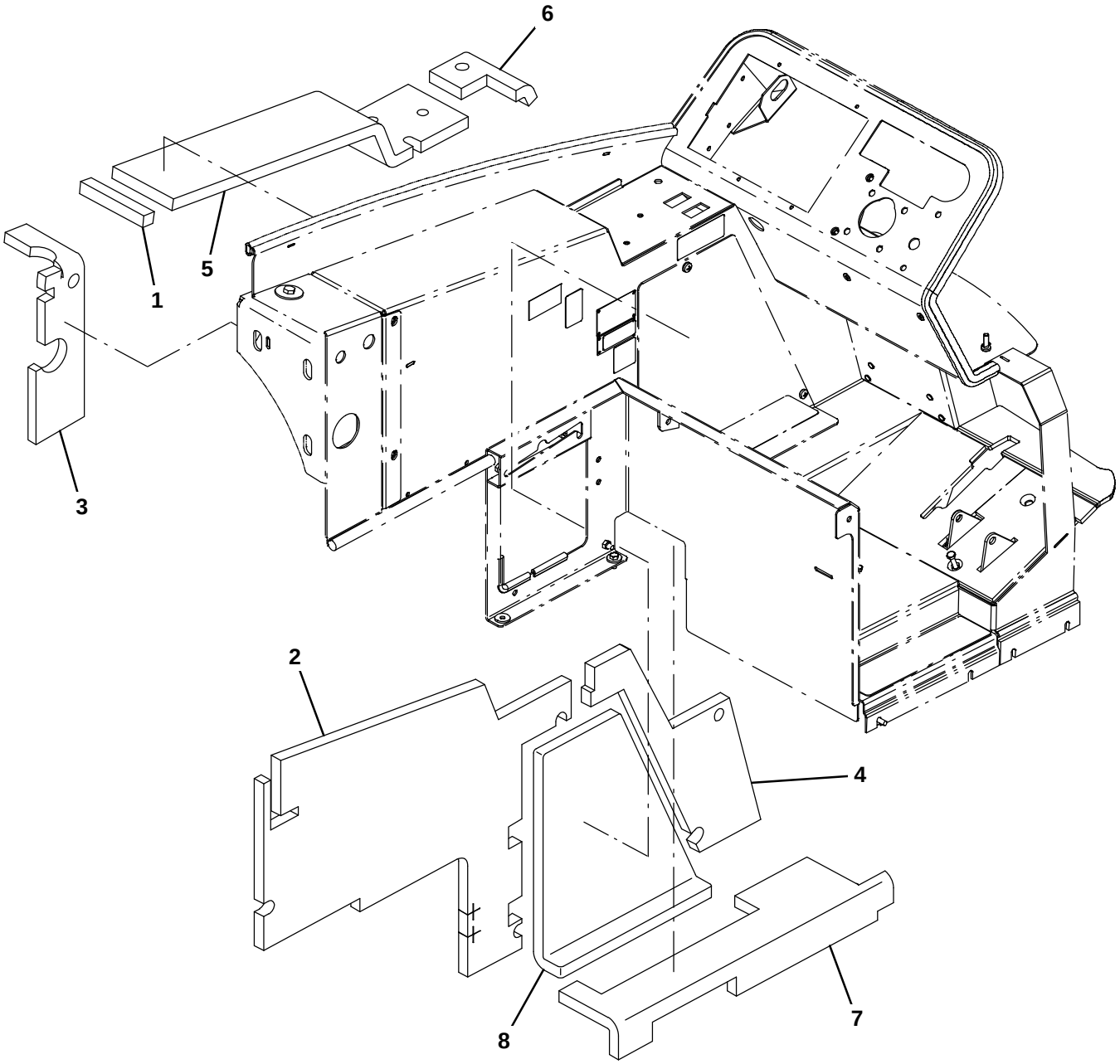


Fig. 4 – Operator Station

Ref.	Part No.	Serial Number	Description	Qty.
1	9016324	(008000–)	Panel Wldt, Gas, Replmt	1
1	9016320	(008000–)	Panel Wldt, Gas, Replmt [W/Fast]	1
1	9016321	(008000–)	Panel Wldt, Gas, W/ Es, Replmt	1
1	9016326	(008000–)	Panel Wldt, Gas, Replmt, TJ (Japan only)	1
1	9016329	(008000–)	Panel Wldt, Gas, Replmt, TJ [W/Fast] (Japan only)	1
1	9016332	(008000–)	Panel Wldt, Gas, Replmt, TJ, W/Es (Japan only)	1
1	9016335	(008000–)	Panel Wldt, LPG, Replmt	1
1	9016336	(008000–)	Panel Wldt, LPG, Replmt [W/Fast]	1
1	9016337	(008000–)	Panel Wldt, LPG, Replmt, W/Es	1
1	9016327	(008000–)	Panel Wldt, LPG, Replmt, TJ (Japan only)	1
1	9016330	(008000–)	Panel Wldt, LPG, Replmt, TJ [W/Fast] (Japan only)	1
1	9016333	(008000–)	Panel Wldt, LPG, Replmt, TJ, W/Es (Japan only)	1
1	9016338	(008000–)	Panel Wldt, Lpg, Replmt, (Europe Only)	1
1	9016339	(008000–)	Panel Wldt, Lpg, Replmt, [W/FaST] (Europe Only)	1
1	9016340	(008000–)	Panel Wldt, Lpg, Replmt, W/ Es (Europe Only)	1
2	39283	(008000–)	Screw, Hex, M10 X 1.50 X 25, 8.8	1
3	04414	(008000–)	Washer, Flat, 0.53b 1.88d .12, Stl, Pl	1
4	1047295	(008000–)	Seal, Foam, 0.50	1
5	82727	(008000–)	Plug, Hole, Rnd, 0.88h .03–.12, Blk Nyl	1
6	01493	(008000–)	Plug, Hole, Rnd, 1.00h .03–.12, Blk Nyl	1
7	1030017	(008000–)	Plug, Hole, Rnd, 2.50h .03–.25, Blk Nyl	2
8	16931	(008000–)	Screw, Hex, M8 X 1.25 X 20, 8.8	6
9	1017218	(008000–)	Washer, Flat, 0.32b 1.00d .12, Ss	9
10	07791	(008000–)	Nut, Hex, Flng, M8 X 1.25	1
11	58819	(008000–)	Tread, Non–Skid, 03.0w 11.6l	2
12	1034762	(008000–)	Panel, Adj	1
13	1030593	(008000–)	Seal, Afmkt, Bulb, 90, 0.75d F/11ga 08ft	1
14	9004492	(008000–)	Light Assy, Panel, Side	1
15	53466	(008000–)	Clamp, Cable, Stl, 1.50d X 1.00w, 1hole	5
16	1037346	(008000–)	Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	6
17	1021834	(008000–)	Panel, Access, Door	1
18	1027218	(008000–)	Mat, Floor	1
19	1031665	(008000–)	Screw, Pan, M8 X 1.25 X 25, Blk	7
20	39349	(008000–)	Washer, Flat, 0.31, Sae	5
21	1022699	(008000–)	Panel, Access, Floor	1
22	363976	(008000–)	Screw, Hex, M8 X 1.25 X 60, 8.8, Fl	1
23	39311	(008000–)	Nut, Hex, Std, M8 X 1.25	1
24	1035997	(008000–)	Bracket Wldt, Mtg, Tank	1
25	09740	(008000–)	Screw, Hex, M8 X 1.25 X 20, Ss	3
26	1033975	(008000–)	Bracket, Mtg	1
27	32491	(008000–)	Washer, Flat, 0.31, Std	2
28	1027267	(008000–)	Mat, Floor	1
29	1020904	(008000–)	Seal, Panl, Instmt	1
30	1020168	(008000–)	Molding, Afmkt, Trim, Pvc, .08 .11, 01ft	1
31	1047169	(008000–)	Bracket, Mtg, Insulation	1
32	06942	(008000–)	Screw, Hex, M6 X 1.00 X 16, 8.8	2
33	32490	(008000–)	Washer, Flat, 0.25, Std	2
34	08708	(008000–)	Nut, Hex, Lock, M6 X 1.00, Nl	2
35	1071868	(008000–)	Bracket Wldt, Mtg, Hose [M30]	1

Fig. 5 – Operator Station Insulation Group

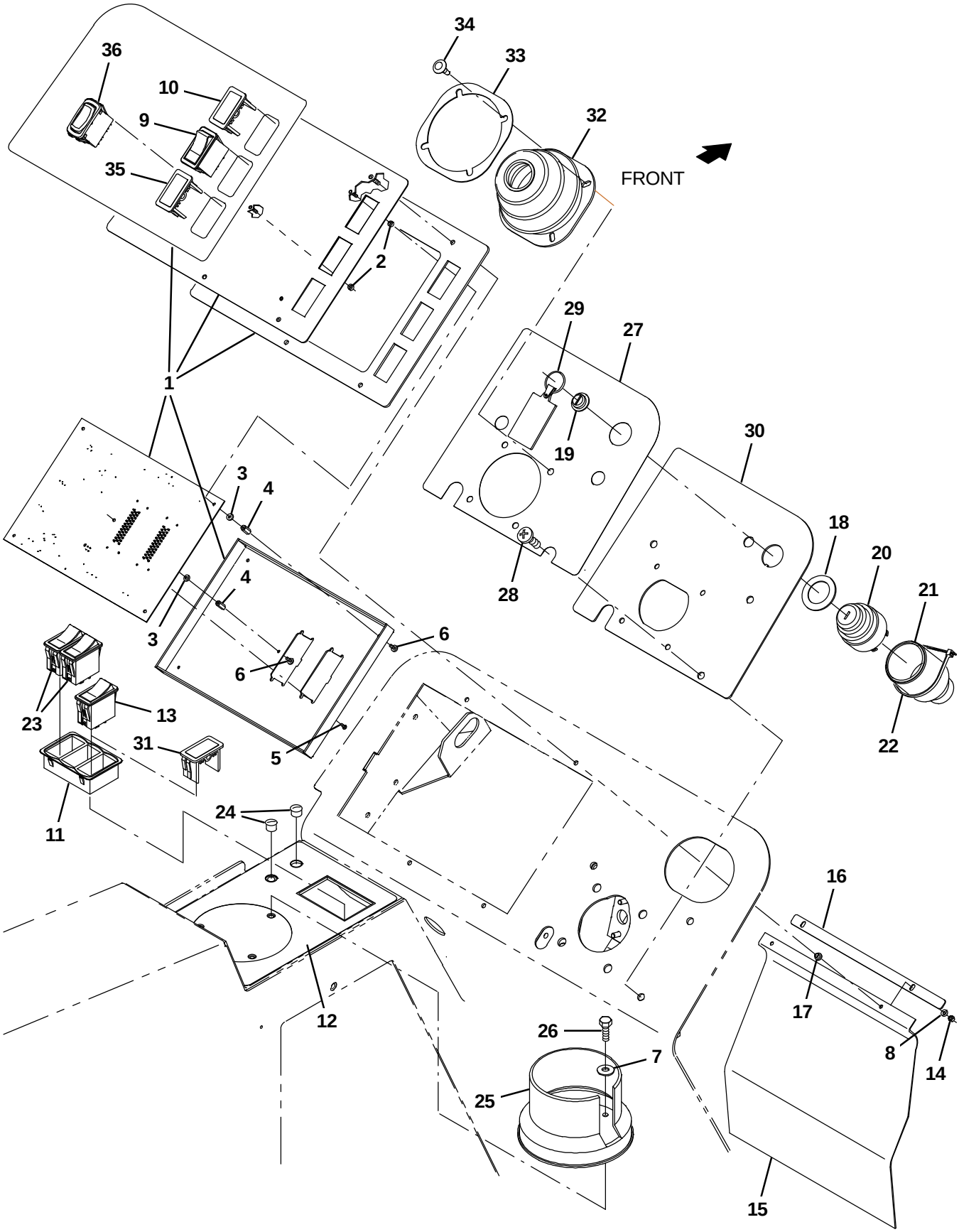


354602 – M30

Fig. 5 – Operator Station Insulation Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1034769	(008000–)	Insulation, Flame–Retardant, 0.75–0.88	1
2	1034765	(008000–)	Insulation, Flame–Retardant, 0.75–0.88	1
3	1040841	(008000–)	Insulation, Flame–Retardant, 0.75–0.88	1
4	1023464	(008000–)	Insulation, Flame–Retardant, 0.75–0.88	1
5	1034764	(008000–)	Insulation, Flame–Retardant, 0.75–0.88	1
6	1034766	(008000–)	Insulation, Flame–Retardant, 0.75–0.88	1
7	1034768	(008000–)	Insulation, Flame–Retardant, 0.75–0.88	1
8	1023569	(008000–)	Insulation, Flame–Retardant, 0.75–0.88	1

Fig. 6 – Instrument Panel Group



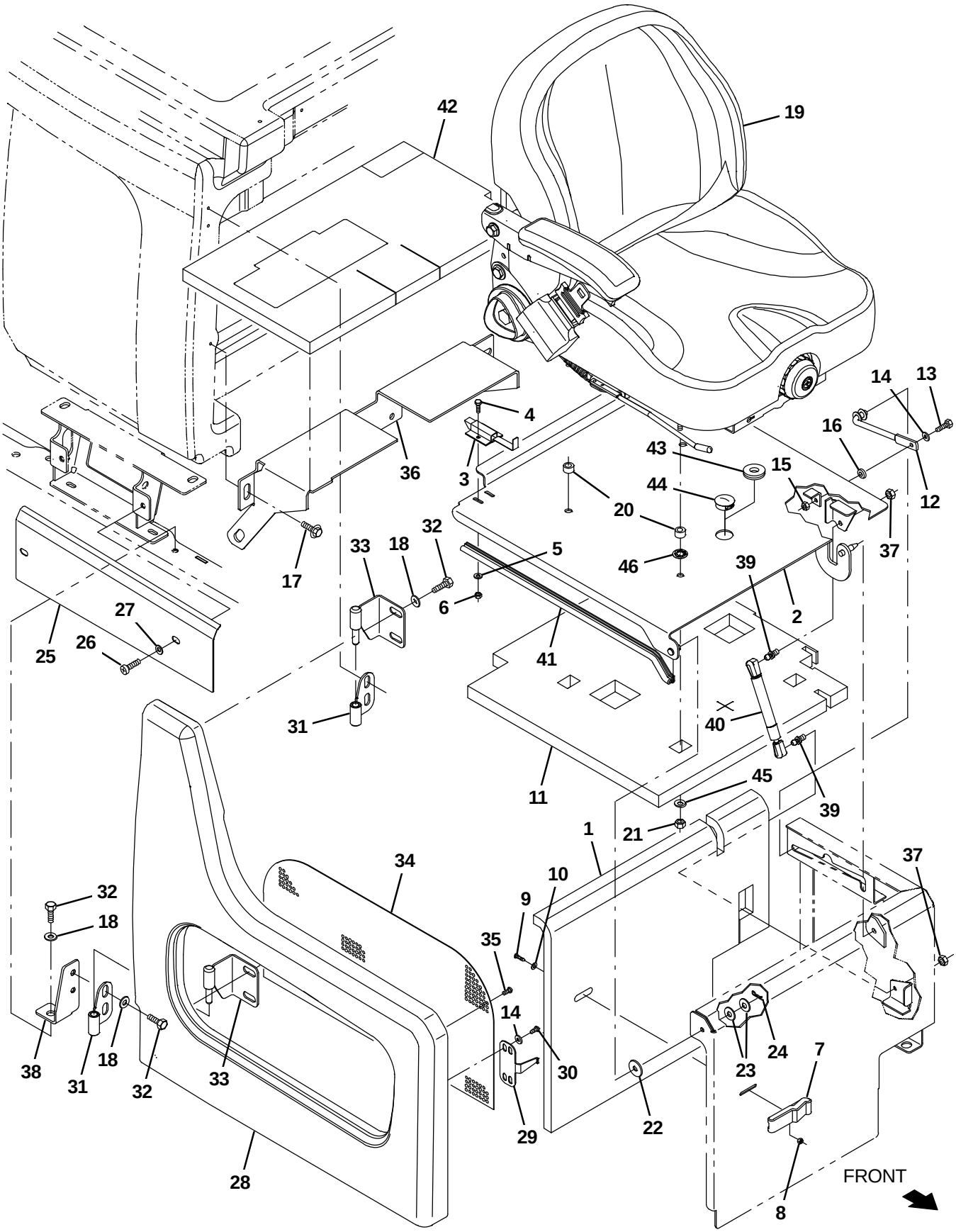
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356674 – M30, G/LP

Fig. 6 – Instrument Panel Group

	Ref.	Part No.	Serial Number	Description	Qty.
	1	1223896	(008000–010000)	Panel Assy, Instmt, W/ Label, Afmkt	1
▽	1	1263875	(010001–)	Panel Assy, Instmt, W/ Label, Afmkt	1
▲	2	1006808	(008000–)	Spacer, Rnd, .125l, Alm	5
▲	3	1008663	(008000–)	Washer, Flat, 0.15b 0.31d .05, Nyl	5
▲	4	1022472	(008000–)	Stand–Off, Hex, M3 X M14, Alm	5
▲	5	1008240	(008000–)	Screw, Pan, #04–24 X 0.50l, Hi – Low	5
▲	6	1022905	(008000–)	Screw, Pan, M3 X 6, [Seelscrew]	8
	7	32490	(008000–)	Washer, Flat, 0.25, Std	3
	8	19065	(008000–)	Washer, Flat, 0.19b 0.44d .05, Pl, 08	4
	9	392171	(008000–)	Switch, Rocker, Dpdt, On / Off / On	1
	10	398501	(008000–)	Plug, Hole, Rt, Rocker Switch, .87 X 1.7	1
	11	1029951	(008000–)	Bezel, Switch [3 Gang]	1
	12	1223906	(008000–)	Label, Switch, Rocker [Drago]	1
	13	1224603	(008000–)	Switch, Rocker, Mom, Led (Dry Dust Control Only)	1
	14	16968	(008000–)	Nut, Hex, Lock, #08–32, Nl	4
	15	1028769	(008000–)	Flap, Battery	1
	16	1028772	(008000–)	Bar, Flat, Ss 0.06, 00.50 X 10.00l, 2sl	1
	17	1029362	(008000–)	Washer, Shld, Nyl [8–32]	4
	18	73736	(008000–)	Washer, Flat, 1.15b 1.75d .08, Stl	1
	19	382516	(008000–)	Boot, .63id .29l .90w	1
▽	20	87536	(008000–)	Switch, Ignition [Ku]	1
▲		87866	(008000–)	Key, Ignition [Set of 2]	1
	21	383165	(008000–)	Boot, Switch, Ignition	1
	22	49266	(008000–)	Tie, Cable, Nyl, 07.3l .19w 1.8 Max D	2
	23	398508	(008000–)	Switch, Rocker, Dpdt, Mom / Off / Mom	2
	24	56992	(008000–)	Plug, Hole, Rnd, 0.50h .03–.12, Blk Nyl	2
	25	223599	(008000–)	Cup Holder, Rwk	1
	26	06943	(008000–)	Screw, Hex, M6 X 1.00 X 20, 8.8	3
	27	1223903	(008000–)	Label, Instrument Panel, Rh, [Drago]	1
	28	1031665	(008000–)	Screw, Pan, M8 X 1.25 X 25, Blk	4
	29	1075003	(008000–)	Keychain, Rectangle, Parts & Service (NA Only)	1
	30	1223897	(008000–)	Plate, Instrument, Rh [Drago]	1
	31	398501	(008438–)	Plug, Hole, Rt, Rocker Switch, .87 X 1.7 (Wet Dust Control Only)	1
	32	70622	(008000–)	Boot, Bellows, 3.1l 4.4w 2.8h 1hole, Neo	1
	33	70623	(008000–)	Retainer, Boot, Steering Column	1
	34	72970	(008000–)	Rivet, Plstc, .250d X 0.90	4
	35	398501	(010001–)	Plug, Hole, Rt, Rocker Switch, .87 X 1.7	1
	36	1255914	(010001–)	Switch, Rocker [Mom,Off,Mom, Dual Led] (Detergent Metering Option Only)	1

Fig. 7 – Seat Group

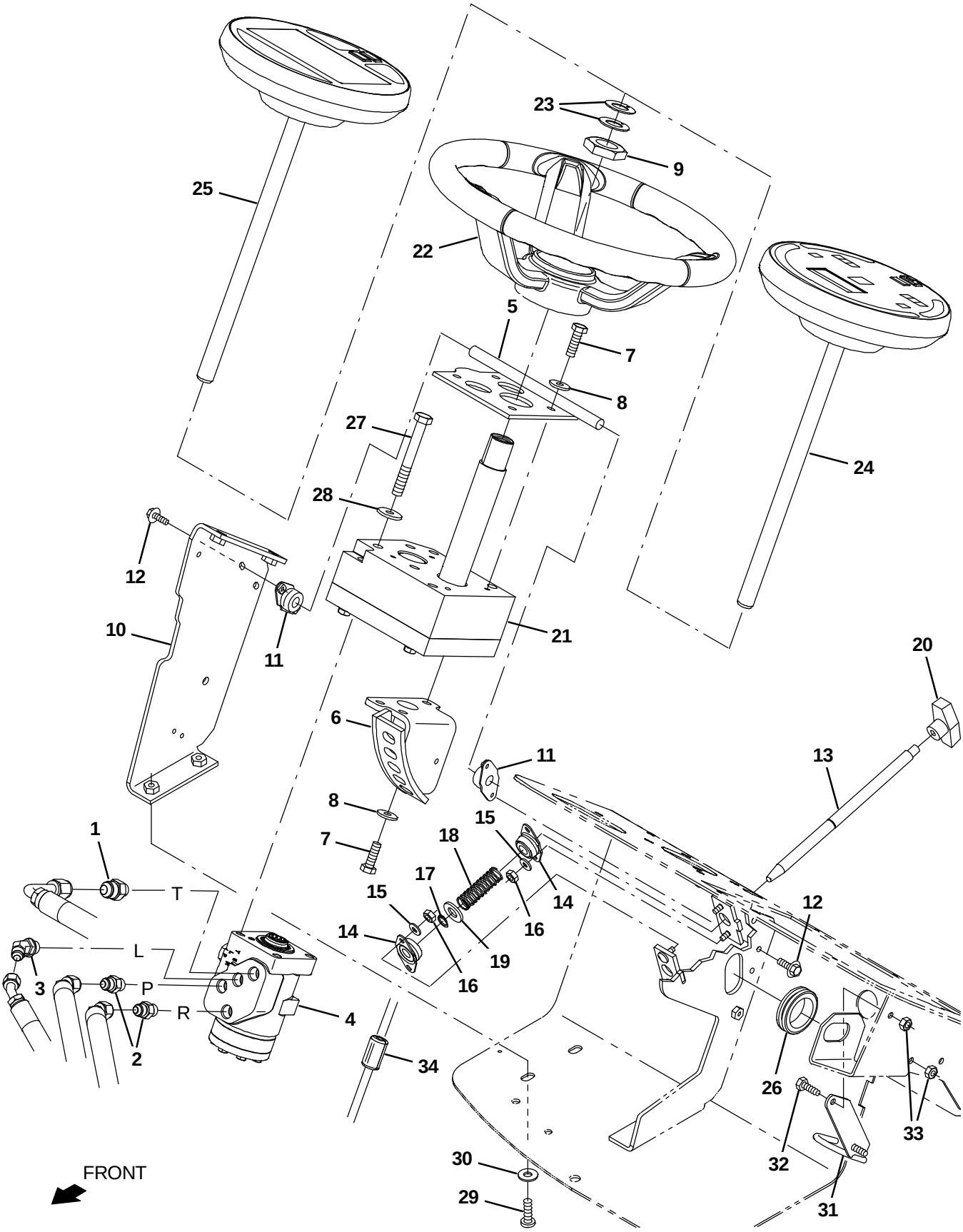


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Fig. 7 – Seat Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1034767	(008000–)	Insulation, Flame–Retardant, 0.75–0.88	1
2	1019228	(008000–)	Plate Wldt, Seat	1
3	1025736	(008000–)	Latch	1
4	06933	(008000–)	Screw, Pan, Phl, M5 X 0.80 X 16, 4.8	2
5	19066	(008000–)	Washer, Flat, 10	2
6	06549	(008000–)	Nut, Hex, Lock, M5 X 0.80, Nl	2
7	49800	(008000–)	Latch	1
8	02850	(008000–)	Nut, Hex, Lock, M4 X 0.70, Nl	4
9	06928	(008000–)	Screw, Pan, Phl, M4 X 0.70 X 20, 4.8	4
10	19064	(008000–)	Washer, Flat, 06	2
11	1023499	(008000–)	Insulation, Flame–Retardant, 1.0	1
12	223080	(008000–)	Arm Wldt, Safety, Sppt, Seat, .38d 06.5d	1
13	06944	(008000–)	Screw, Hex, M6 X 1.00 X 25, 8.8	1
14	32483	(008000–)	Washer, Flat, 0.25, Sae	4
15	08708	(008000–)	Nut, Hex, Lock, M6 X 1.00, Nl	1
16	21851	(008000–)	Spacer, Plstc, Nyl	1
17	1020341	(008000–)	Screw, Hex, M8 X 1.25 X 20, Ss, Sems	3
18	1017218	(008000–)	Washer, Flat, 0.32b 1.00d .12, Ss	9
19	9018721	(008000–)	Seat, Deluxe, Replmt [M20/T20/M30] (See Breakdowns)	1
20	1051052	(008000–)	Spacer, Rnd, .38b .88d .38l (Europe Only)	4
21	32983	(008000–)	Nut, Hex, Lock, .31–18, Nl (No. Amer. Only)	4
21	01760	(008000–)	Nut, Hex, Lock, .31–18, Nl, Thin (Europe Only)	4
22	364749	(008000–)	Washer, Flat, 0.41b 1.25d .12, Pye	1
23	32492	(008000–)	Washer, Flat, 0.38, Std	2
24	08085	(008000–)	Pin, Cotter, Hair, 0.31d .058 Wir	1
25	1036220	(008000–)	Cover, Lower, Rh	1
26	1031665	(008000–)	Screw, Pan, M8 X 1.25 X 25, Blk	2
27	39349	(008000–)	Washer, Flat, 0.31, Sae	2
28	1033230	(008000–)	Shroud, Rh	1
29	1026825	(008000–)	Bracket, Latch, Shrd, Seat	1
30	09200	(008000–)	Screw, Pan, Phl, M5 X 0.80 X 12, Ss	2
31	1024464	(008000–)	Hinge Wldt, Shrd, Rh	2
32	16931	(008000–)	Screw, Hex, M8 X 1.25 X 20, 8.8	8
33	1024425	(008000–)	Hinge Wldt, Shrd, Rh	2
34	1036345	(008000–)	Grill, Lh	1
35	222267	(008000–)	Screw, Pan, Phl, 06–20 X 0.50, Fmg/Ab	6
36	1039705	(008000–)	Bracket, Sppt, Seat	1
37	01760	(008000–)	Nut, Hex, Lock, .31–18, Nl, Thin	2
38	1036832	(008000–)	Bracket, Mtg, Hinge, Rh	1
39	58494	(000000)	Stud, Ball, .39d .31–16, Gasspring	2
40	368391	(008000–)	Gasspring, 180lb, 03.0strk	1
41	1031206	(008000–)	Seal, Afmkt, Bulb, 90, 0.50D, 02 Ft	1
42	1047132	(008000–)	Insulation, Acstc, 1.0, 21.8 X 12.5 Adh	1
43	10632–8	(008000–)	Grommet, Rbr, 0.75id, F/1.3h, .12 Matl (Europe Only)	1
44	76888	(008000–)	Plug, Hole, Rnd, 1.25h .03–.12, Blk Nyl (No. Amer. Only)	1
45	32491	(008000–)	Washer, Flat, 0.31, Std	4
46	1077073	(008000–)	Nut, Push, Bolt Retention, Stl,5/16 Thrd	4

Fig. 8 – Steering Group



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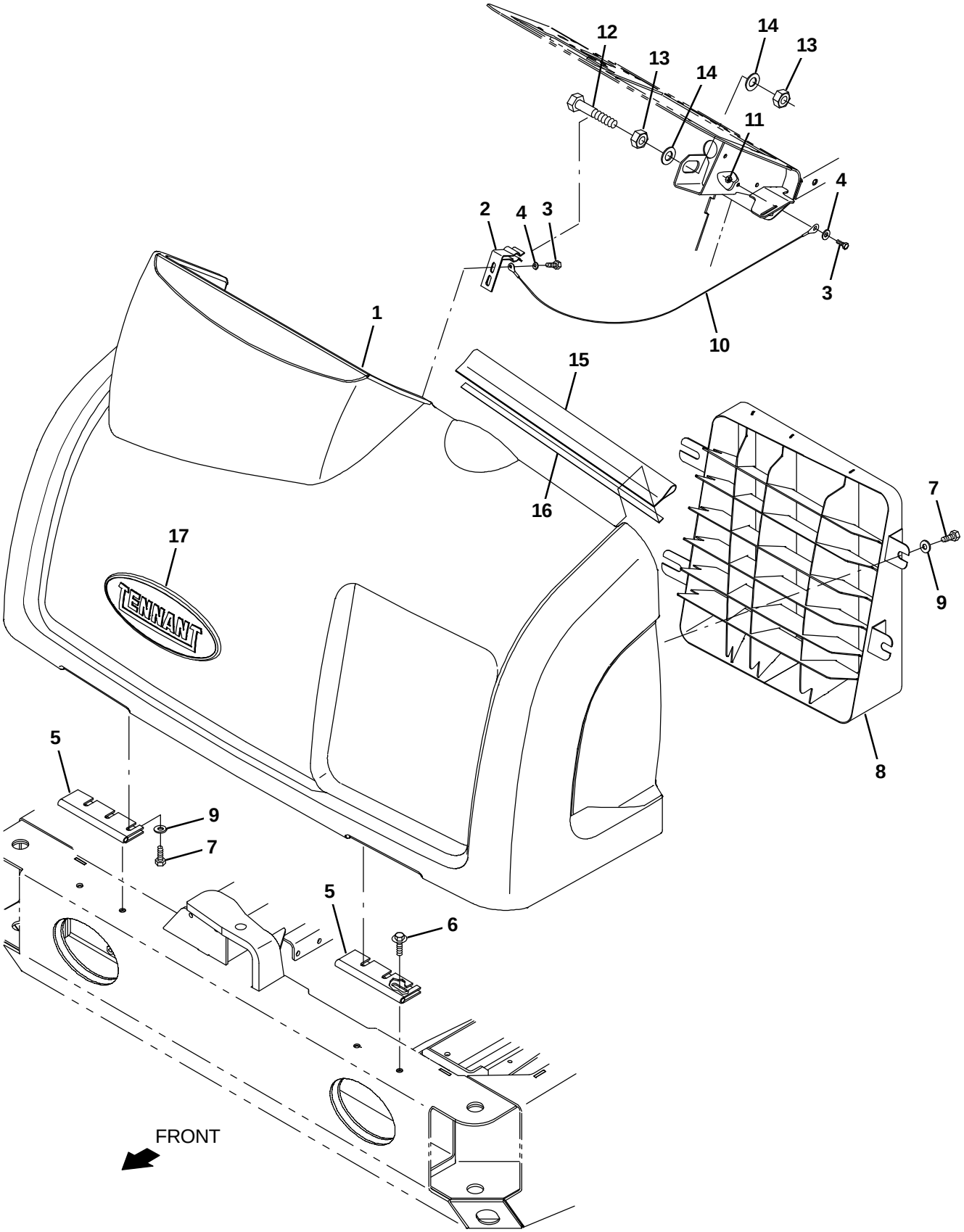
Fig. 8 – Steering Group

Ref.	Part No.	Serial Number	Description	Qty.
1	4029151	(008000–)	Fitting, Hyd, Str, Jm08/Om06	1
2	4029145	(008000–)	Fitting, Hyd, Str, Jm06/Om06	2
3	4013877	(008000–)	Fitting, Hyd, E45, Jm06/Om06	1
4	4033593	(008000–)	Steer–Control, Hyd05, 06.1 2030 (See Breakdowns)	1
5	4226796	(008000–)	Plate, Wldt, Mtg, Housing	1
6	4222412	(008000–)	Bracket Wldt, Steering, Tilt	1
7	4041844	(008000–)	Screw, Hex, M8 X 1.25 X 20, 8.8	7
8	4034136	(008000–)	Washer, Flat, 0.25, Std	7
9	4036795	(008000–)	Nut, Hex, Jam, 1.12–12	1
10	4226795	(008000–)	Bracket Wldt, Steering, Tilt, Rh	1
11	4014957	(008000–)	Bearing, Flng, 2hole, 0.50b	2
12	4045568	(008000–)	Screw, Hex, M6 X 1.00 X 25, 9.8, Sems	4
13	4226790	(008000–)	Pin, Locking, Steering, Tilt	1
14	4013879	(008000–)	Bearing, Flng, 2hole, 0.50b [Nyl]	2
15	4034133	(008000–)	Washer, Flat, 0.25, Sae	4
16	4041925	(008000–)	Nut, Hex, Lock, M6 X 1.00, Nl	4
17	4014958	(008000–)	Ring, Retaining, Ext, 0.50d, Hd	1
18	4037087	(008000–)	Spring, Cmpr, 0.72od .06wir 02.3l	1
19	4034135	(008000–)	Washer, Flat, 0.53b 1.06d .10, Stl, Pl	1
20	4040947	(008000–)	Knob, Tee, 0.38–16, 2.5 X 1.0 1.1l,Plstc	1
21	4023706	(008000–)	Gearbox Kit, Steering, Afmkt[M20/30/T20] (See Breakdowns)	1
22	4035223	(008000–)	Wheel, Steering, 14.4d	1
23	4040947	(008000–)	Washer, Thrust, 0.79b 1.42d 0.06[Garlok]	2
24	4023704	(008000–012999)	Panel Kit, Pod, Afmkt [Std Panel] (Repl By 4018551)	1
24	4018551	(017000–)	Panel Kit, Pod, CI [SWPR–SCRBR, Std]	1
25	4023703*	(008000–012999)	Panel Kit, Pod, Afmkt [Pro Panel] (Repl By 9023149)	1
25	4018539*	(017000–)	Panel Kit, Pod, CI (PRO–PANEL)	1
26	4031957	(008000–)	Grommet, Rbr, 1.50id, F/1.8h, .19 Matl	1
27	4041290	(008000–)	Screw, Hex, M10 X 1.50 X 80, 8.8	4
28	4043561	(008000–)	Washer, Flat, 0.40b 1.12d .12, Stl, Pl	4
29	4032093	(008000–)	Screw, Pan, M8 X 1.25 X 25, Blk	6
30	4034137	(008000–)	Washer, Flat, 0.31, Std	6
31	4035560	(010230–)	Bracket Wldt, Hose	1
32	4041931	(010230–)	Screw, Hex, M6 X 1.00 X 20, Ss	1
33	4041925	(010230–)	Nut, Hex, Lock, M6 X 1.00, Nl	2
34	4227463	(014001–)	Inductor, Ferrite [Spit Case, 220@100hz]	1

* Requires Tennant *True* service or an authorized Tennant service provider.

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Fig. 9 – Front Cover Group

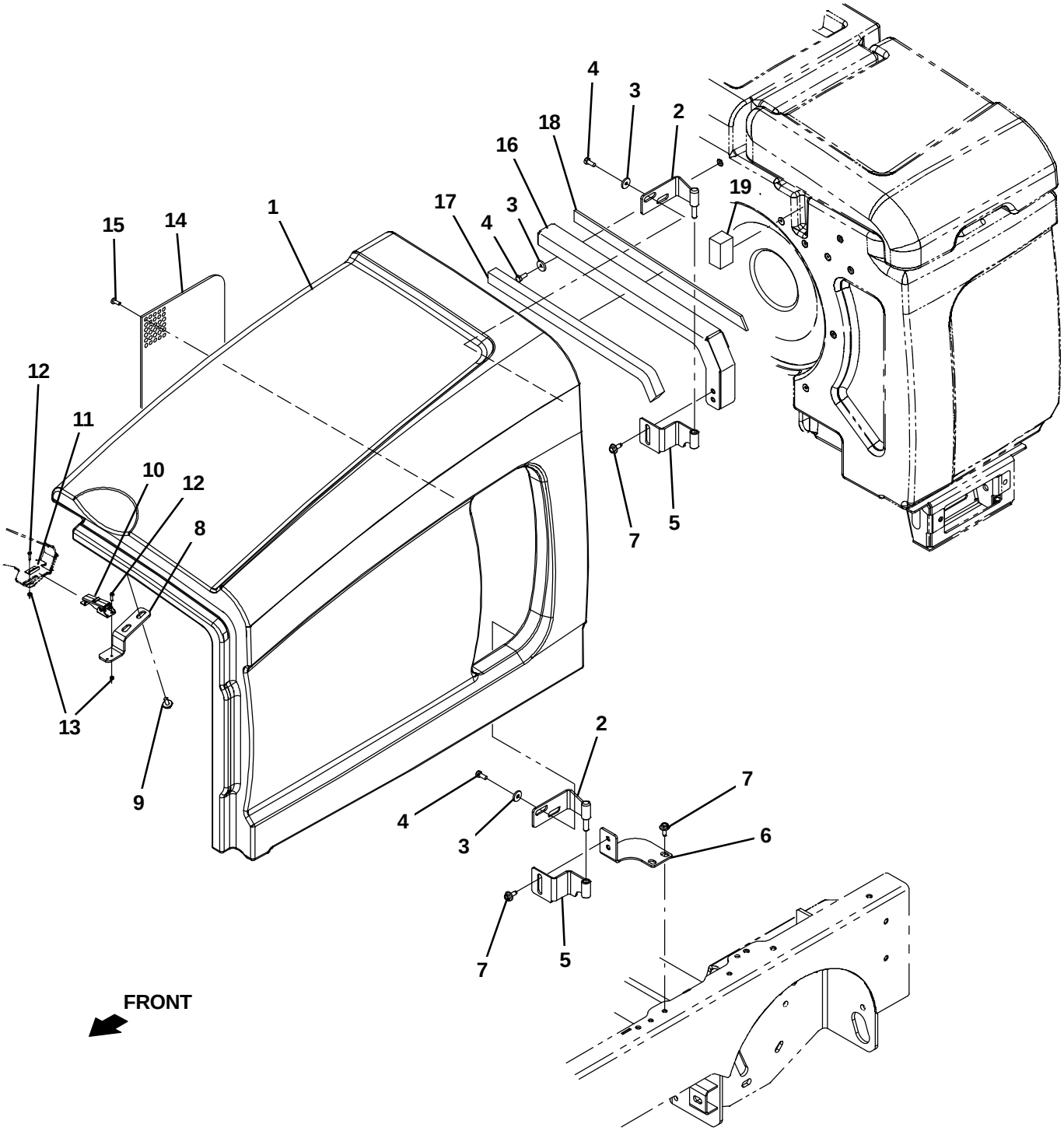


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Fig. 9 – Front Cover Group

Ref.	Part No.	Serial Number		Description	Qty.
1	1034844	(008000–	)	Shroud, Front	1
2	1266312	(008000–	)	Bracket Wldt, Latch	1
3	06942	(008000–	)	Screw, Hex, M6 X 1.00 X 16, 8.8	3
4	32490	(008000–	)	Washer, Flat, 0.25, Std	3
5	71941	(008000–	)	Hinge, .38pin .12 3.5w 06.5l, 6/0.38sl	2
6	1037346	(008000–	)	Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	4
7	16931	(008000–	)	Screw, Hex, M8 X 1.25 X 20, 8.8	8
8	1046090	(008000–	)	Grill Wldt, Front	1
9	1017218	(008000–	)	Washer, Flat, 0.32b 1.00d .12, Ss	8
10	74352	(008000–	)	Cable, Glv .09d 042.0l .38eye /.38eye	1
11	08708	(008000–	)	Nut, Hex, Lock, M6 X 1.00, Nl	1
12	06988	(008000–	)	Screw, Hex, M16 X 2.00 X 90, 8.8	1
13	07782	(008000–	)	Nut, Hex, Std, M16 X 2.00	2
14	15331	(008000–	)	Washer, Flat, 0.62, Sae	2
15	1046245	(008000–	)	Seal, Shroud, Front	1
16	1037971	(008000–	)	Strip, Mtg, Seal	1
17	1214251	(008000–	)	Nameplate, Tennant, Domed, 10 Inch	1

Fig. 10 – Engine Cover Group



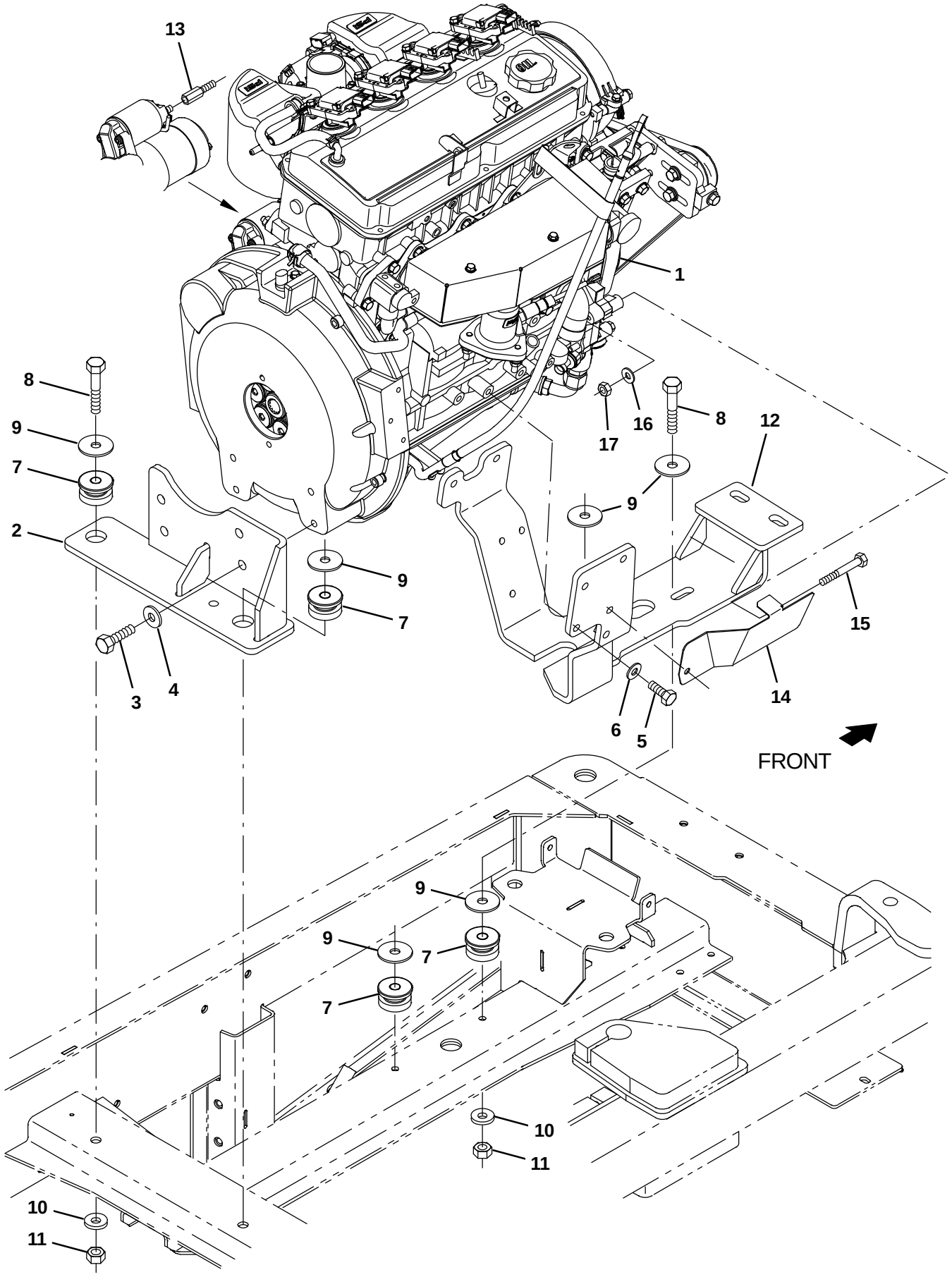
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Fig. 10 – Engine Cover Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1033912	(008000–011000)	Shroud, Eng	1
2	1036249	(008000–011000)	Hinge Wldt, Lh, Pin	2
3	1017218	(008000–011000)	Washer, Flat, 0.32b 1.00d .12, Ss	6
4	16931	(008000–011000)	Screw, Hex, M8 X 1.25 X 20, 8.8	6
5	1036227	(008000–011000)	Hinge Wldt, Lh, Tube	2
6	1040222	(008000–011000)	Bracket, Mtg, Hinge, Lh	1
7	1037346	(008000–011000)	Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	6
8	1020186	(008000–011000)	Bracket, Latch, Cover	1
9	1020341	(008000–011000)	Screw, Hex, M8 X 1.25 X 20, Ss, Sems	2
10	1222018	(008000–011000)	Latch, Door, Yellow	1
11	384419	(008000–011000)	Bracket, Latch, Keeper	1
12	24265	(008000–011000)	Screw, Pan, Phl, M4 X 0.70 X 16, Ss	4
13	33932	(008000–011000)	Nut, Hex, Lock, M4 X 0.70, Nl, Ss	4
14	1036345	(008000–011000)	Grill, Lh	1
15	222267	(008000–011000)	Screw, Pan, Phl, 06–20 X 0.50, Fmg/Ab	6
16	1040187	(008000–011000)	Channel, Mtg, Seal, Shrd, Lh	1
17	1047191	(008000–011000)	Seal, Foam, 1.18	1
18	1047295	(008000–011000)	Seal, Foam, 0.50	1
19	1047192	(008000–011000)	Seal, Foam, 1.18	1

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Fig. 11 – Mitsubishi Engine and Mount Group, Gas (S/N 008000–011000)



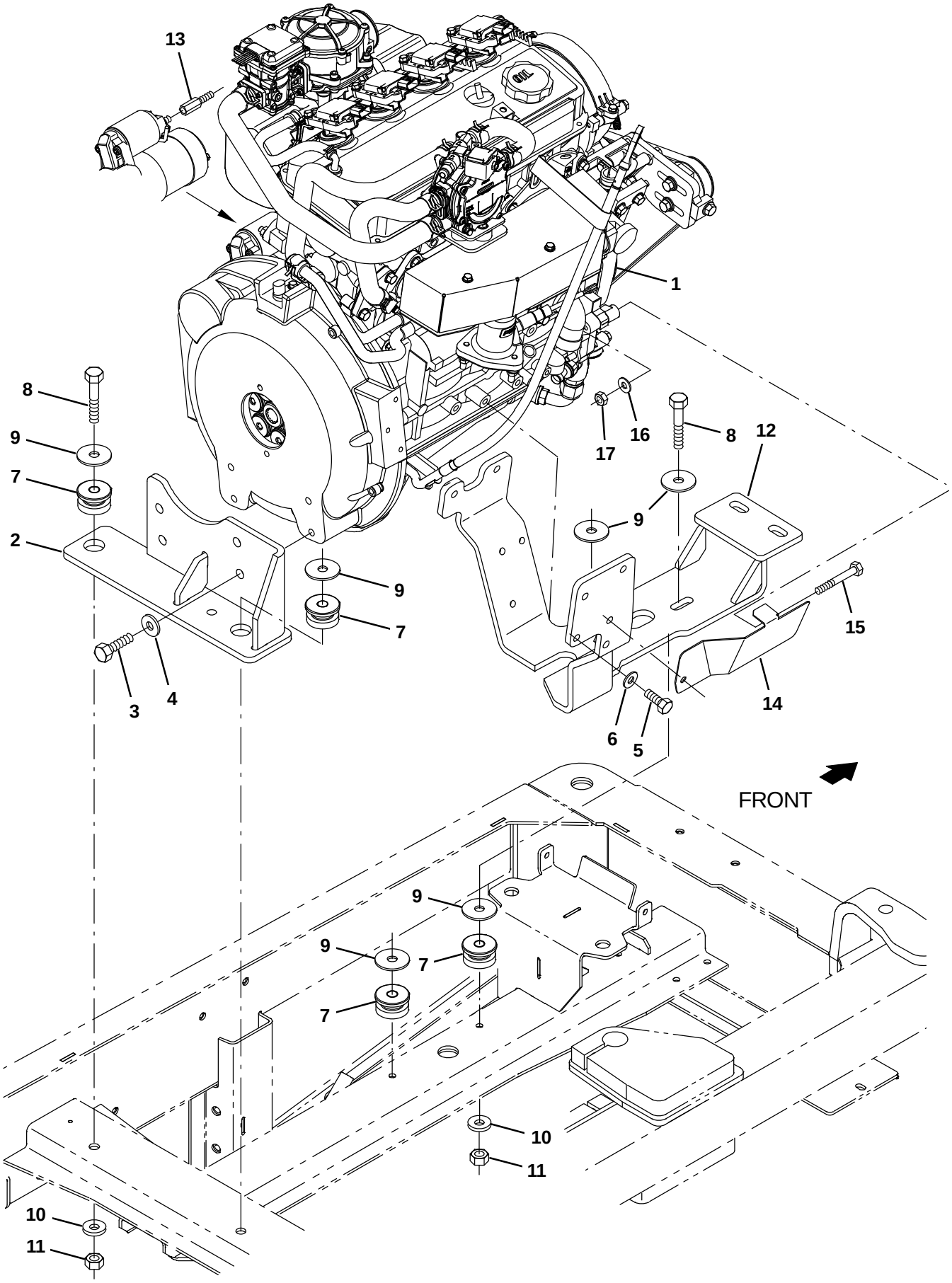
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Fig. 11 – Mitsubishi Engine and Mount Group, Gas (S/N 008000–011000)

	Ref.	Part No.	Serial Number	Description	Qty.
▽	1	4182975	(008000–011000)	Engine, Block, Lon (See Engine Breakdown)	1
▲		8002631	(008000–011000)	Element, Fltr, Oil,	1
▽	1	4182975	(008000–011000)	Engine, Gas [Mitsu]	1
▲		8002631	(008000–011000)	Element, Fltr, Oil, Spin–On (Mits)	1
	2	4030335	(008000–011000)	Bracket Wldt, Mtg, Eng, Rear [Mit 2013]	1
	3	4016809	(008000–011000)	Screw, Hex, M12 X 1.75 X 30, 8.8	4
	4	4034135	(008000–011000)	Washer, Flat, 0.50 Sae	4
	5	4041580	(008000–011000)	Screw, Hex, M10 X 1.25 X 25, 8.8	6
	6	4034138	(008000–011000)	Washer, Flat, 0.38 Std	6
	7	4014538	(008000–011000)	Isolator, Vib, .50d	4
	8	4041297	(008000–011000)	Screw, Hex, M12 X 1.75 X 60, 8.8	4
	9	4040927	(008000–011000)	Washer, Flat, 0.53b 1.88d .12, Stl, Pl	4
	10	4030332	(008000–011000)	Washer, Flat, 0.50 Std	3
	11	4041927	(008000–011000)	Nut, Hex, Lock, M12 X 1.75,Nl	3
	12	4030332	(008000–015000)	Bracket Wldt, Mtg, Engine [Mit 2013] (Repl By 1270775)	1
	12	4207513	(008000–)	Brkt Wldt, Mtg, Frt, Engine [Psi Mako]	1
	13	4180344	(008000–011000)	Stand–Off, Hex, M8 X M8, Metal	1
	14	4212835	(008000–011000)	Plate, Guard, Hose, Hyd, Steering	1
	15	4019755	(008000–011000)	Screw, Hex, M8 X 1.25 X 90, 8.8	1
	16	4034137	(008000–011000)	Washer, Flat, 0.31, Std	1
	17	4041926	(008000–011000)	Nut, Hex, Lock, M8 X 1.25, Nl	1

Fig. 12 – Mitsubishi Engine and Mount Group, LPG (S/N 008000–011000)



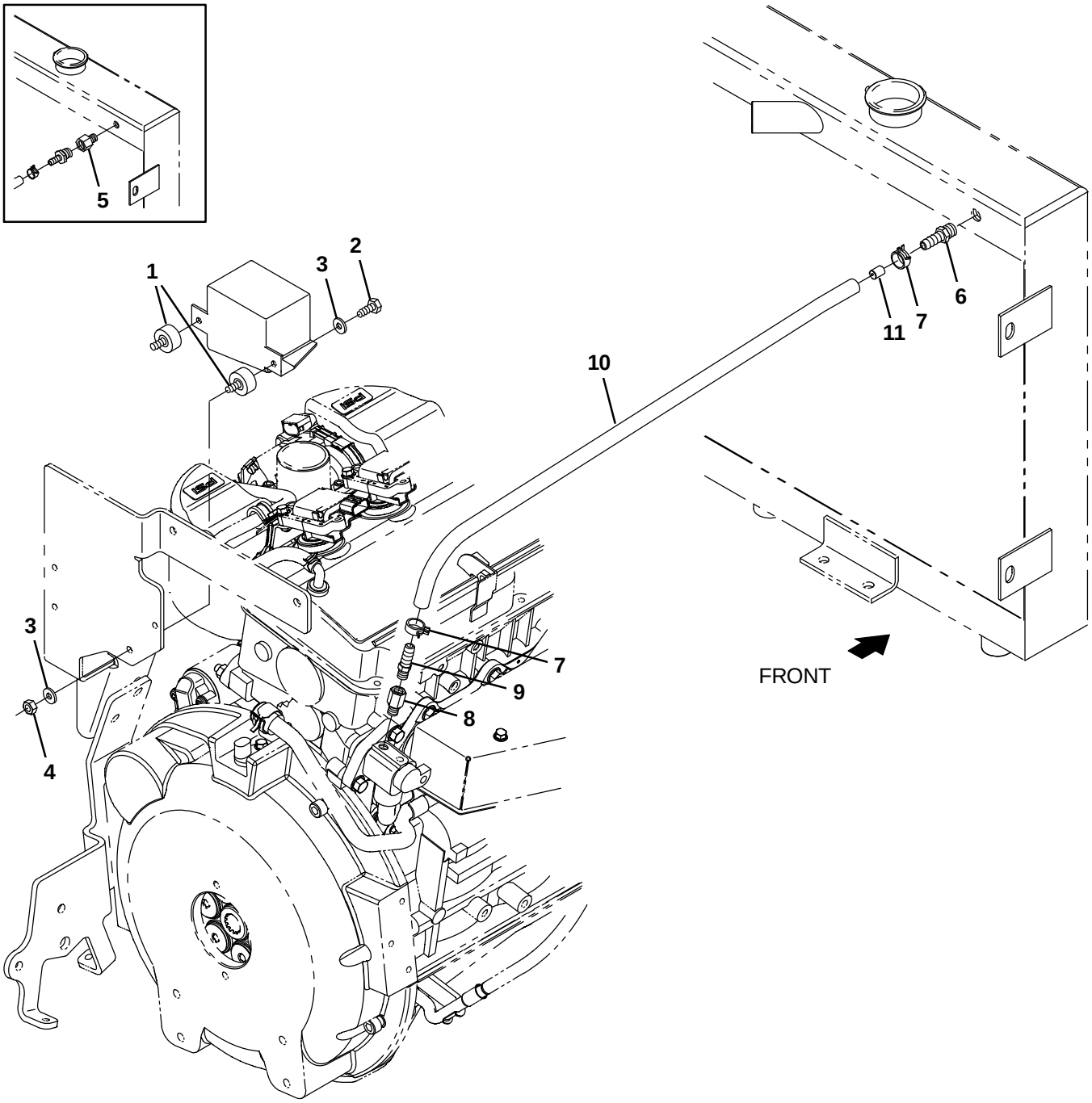
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Fig. 12 – Mitsubishi Engine and Mount Group, LPG (S/N 008000–011000)

	Ref.	Part No.	Serial Number	Description	Qty.
▽	1	4182078	(008000–011000)	Engine, Block, Long [Mits 12mm] (See Engine Breakdown)	1
▲		8002631	(008000–011000)	Element, Fltr, Oil, Spin–On (Mits)	1
▽	1	4182078	(008000–011000)	Engine, LPG, 2.0L Dressed (PSI, MAKO)	1
▲		8002631	(008000–011000)	Element, Fltr, Oil, Spin–On (Mits)	1
	2	4030335	(008000–011000)	Bracket Wldt, Mtg, Eng, Rear [Mit 2013]	1
	3	4016809	(008000–011000)	Screw, Hex, M12 X 1.75 X 30, 8.8	4
	4	4034135	(008000–011000)	Washer, Flat, 0.50 Sae	4
	5	4041580	(008000–011000)	Screw, Hex, M10 X 1.25 X 25, 8.8	6
	6	4034138	(008000–011000)	Washer, Flat, 0.38 Std	6
	7	4014538	(008000–011000)	Isolator, Vib, .50d	4
	8	4041297	(008000–011000)	Screw, Hex, M12 X 1.75 X 60, 8.8	4
	9	4040927	(008000–011000)	Washer, Flat, 0.53b 1.88d .12, Stl, Pl	4
	10	4034139	(008000–011000)	Washer, Flat, 0.50 Std	3
	11	4041927	(008000–011000)	Nut, Hex, Lock, M12 X 1.75,Nl	3
	12	4030332	(008000–011000)	Bracket Wldt, Mtg, Engine [Mit 2013] (Repl by 1270775)	3
	12	4207513	(008000–)	Brkt Wldt, Mtg, Frt, Engine [Psi Mako]	1
	13	4207513	(008000–011000)	Stand–Off, Hex, M8 X M8, Metal	1
	14	4212835	(008000–011000)	Plate, Guard, Hose, Hyd, Steering	1
	15	4019755	(008000–011000)	Screw, Hex, M8 X 1.25 X 90, 8.8	1
	16	4034137	(008000–011000)	Washer, Flat, 0.31, Std	1
	17	4041926	(008000–011000)	Nut, Hex, Lock, M8 X 1.25, Nl	1

Fig. 13 – Mitsubishi Engine EFI Group, Gas (S/N 008000–011000)

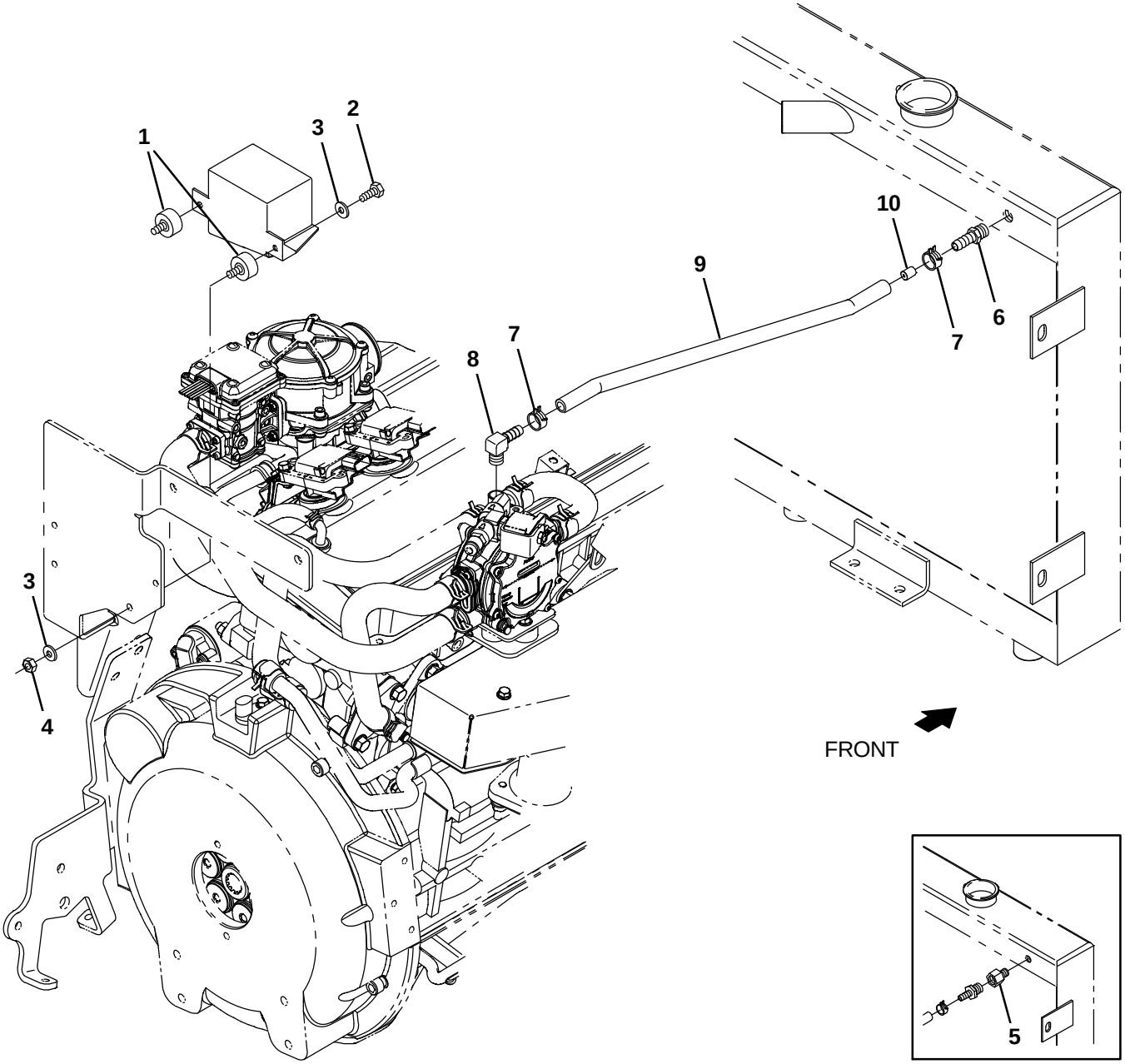


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Fig. 13 – Mitsubishi Engine EFI Group, Gas (S/N 008000–011000)

Ref.	Part No.	Serial Number	Description	Qty.
1	8005190	(008000–011000)	Isolator, Box, Relay	2
2	4042535	(008000–011000)	Screw, Hex, .25–20 X 0.50, G5	2
3	4034136	(008000–011000)	Washer, Flat, 0.25, Std	4
4	4042532	(008000–011000)	Nut, Hex, Std, .25–20	2
5	4030567	(008000–011000)	Fitting, Brs, Str, Pf06/Pm04 (Obsolete, Replaced by None)	1
6	4044560	(008000–011000)	Fitting, Brs, Str, Bm06/Pm04	1
7	4030949	(008000–011000)	Clamp, Hose, Spring Stl, 0.58d X 0.31w	2
8	4030700	(008000–011000)	Fitting, Brs, Str, Pf02/Pm02 [Bspt]	1
9	4038789	(008000–011000)	Fitting, Brs, Str, Bm06/Pm02	1
10	4030929	(008000–011000)	Hose, Afmkt, Rbr, Heater, 0.38id, 03ft	1
11	4029883	(008000–011000)	Fitting, Brass, Rst, .125”	1

Fig. 14 – Mitsubishi Engine EFI Group, LPG (S/N 008000–011000)

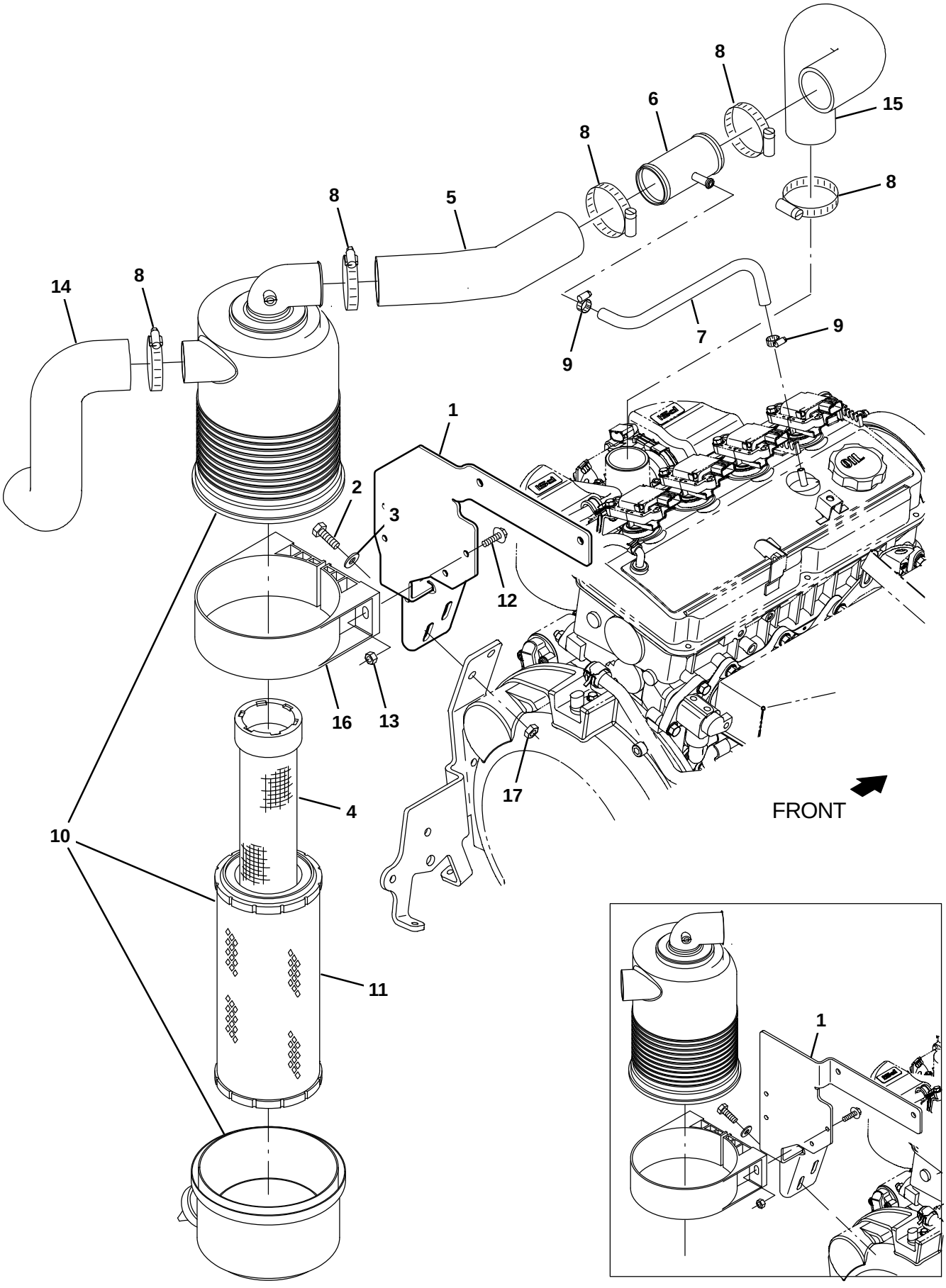


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Fig. 14 – Mitsubishi Engine EFI Group, LPG (S/N 008000–011000)

Ref.	Part No.	Serial Number	Description	Qty.
1	8005190	(008000–011000)	Isolator, Box, Relay	2
2	4042535	(008000–011000)	Screw, Hex, .25–20 X 0.50, G5	2
3	4034136	(008000–011000)	Washer, Flat, 0.25, Std	4
4	4042532	(008000–011000)	Nut, Hex, Std, .25–20	2
5	4030567	(008000–011000)	Fitting, Brs, Str, Pf06/Pm04 (Obsolete, Replaced by None)	1
6	4044560	(008000–011000)	Fitting, Brs, Str, Bm06/Pm04	1
7	4030949	(008000–011000)	Clamp, Hose, Spring Stl, 0.58d X 0.31w	2
8	4197481	(008000–011000)	Fitting, Brs, E90, Bm06/Pm04	1
9	4030929	(008000–011000)	Hose, Afmkt, Rbr, Heater, 0.38id, 03ft	1
10	4029883	(008000–011000)	Fitting, Brass, Rst, .125”	1

Fig. 15 – Mitsubishi Engine Air Cleaner Group, Gas (S/N 008000–011000)

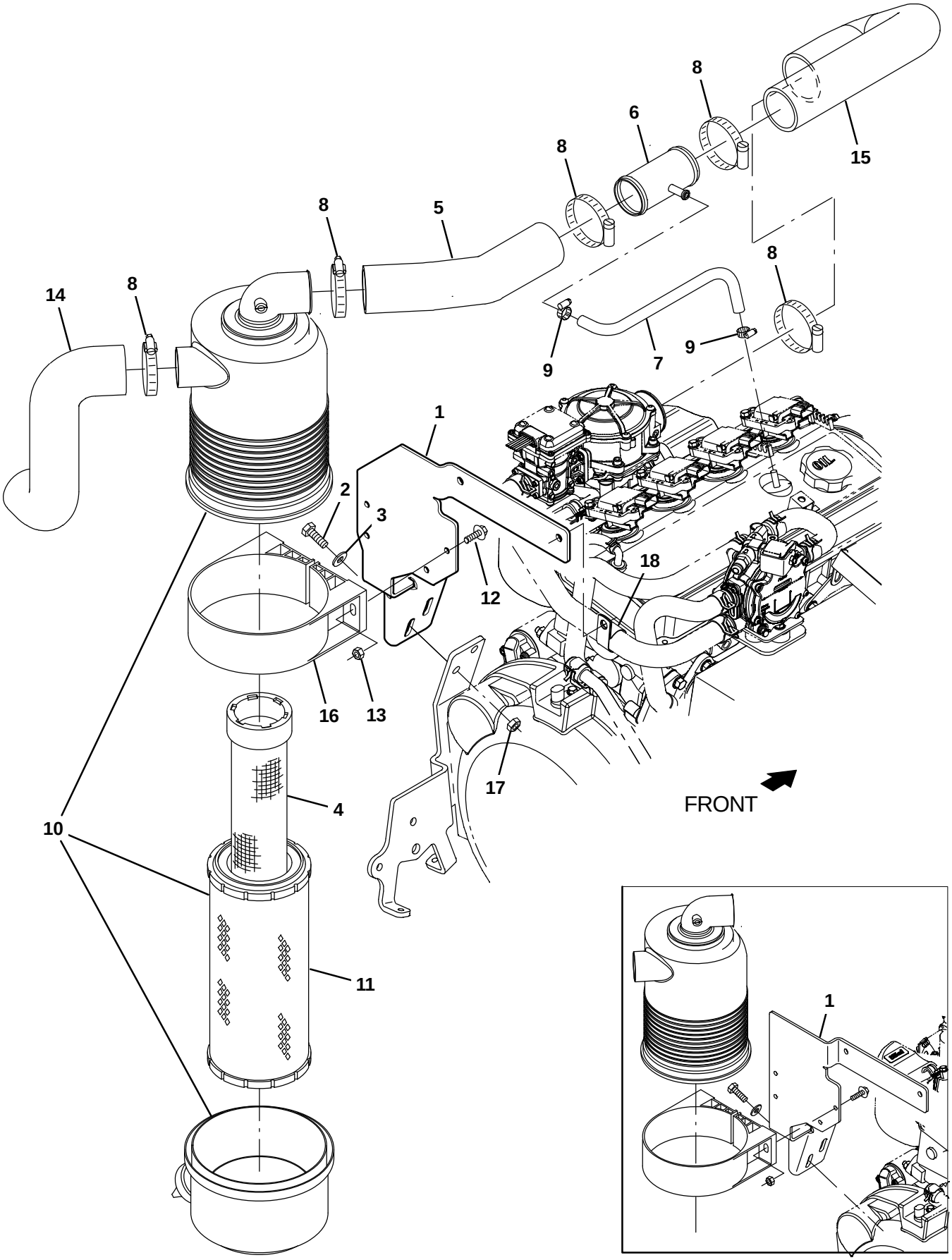


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Fig. 15 – Mitsubishi Engine Air Cleaner Group, Gas (S/N 008000–011000)

	Ref.	Part No.	Serial Number	Description	Qty.
	1	4208257	(008000–)	Bracket, Mtg, Fltr, Air [Psi]	1
	2	4156940	(008000–011000)	Screw, Hex, M8 X 1.25 X 25, 8.8	2
	3	4034137	(008000–011000)	Washer, Flat, 0.31, Std	2
	4	8002697	(008000–011000)	Element, Fltr, Air, Safety (OPTION)	1
	5	4182540	(008000–011000)	Hose, Intake, Mold [Epdm Mit 2013]	1
	6	4182561	(008000–011000)	Tube Wldt, Tee [Mit 2013]	1
	7	4027047	(008000–011000)	Hose, Drain,Overflow,Radiator[1pick=1ft]	1
	8	4044328	(008000–011000)	Clamp, Hose, Wormdrive, 1.81–2.75d, .50w	5
	9	4015366	(008000–011000)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	2
▽	10	4032296	(008000–011000)	Filter Assy, Air	1
▲	11	8005623	(008000–011000)	Element, Fltr, Air [Dn]	1
	12	4045568	(008000–011000)	Screw, Hex, M6 X 1.00 X 25, 9.8 Sems	2
	13	4041925	(008000–011000)	Nut, Hex, Lock, M6 X 1.00, Nl	2
	14	4036284	(008000–011000)	Hose, Intake, Mold, 2.00id [Epdm]	1
	15	4182993	(008000–011000)	Hose, Intake, Mold, Gas [Epdm Mit 2013]	1
	16	4032297	(008000–011000)	Clamp, Mtg, Fltr, Air	1
	17	4041926	(008000–011000)	Nut, Hex, Lock, M8 X 1.25, Nl	2

Fig. 16 – Mitsubishi Engine Air Cleaner Group, LPG (S/N 008000–011000)

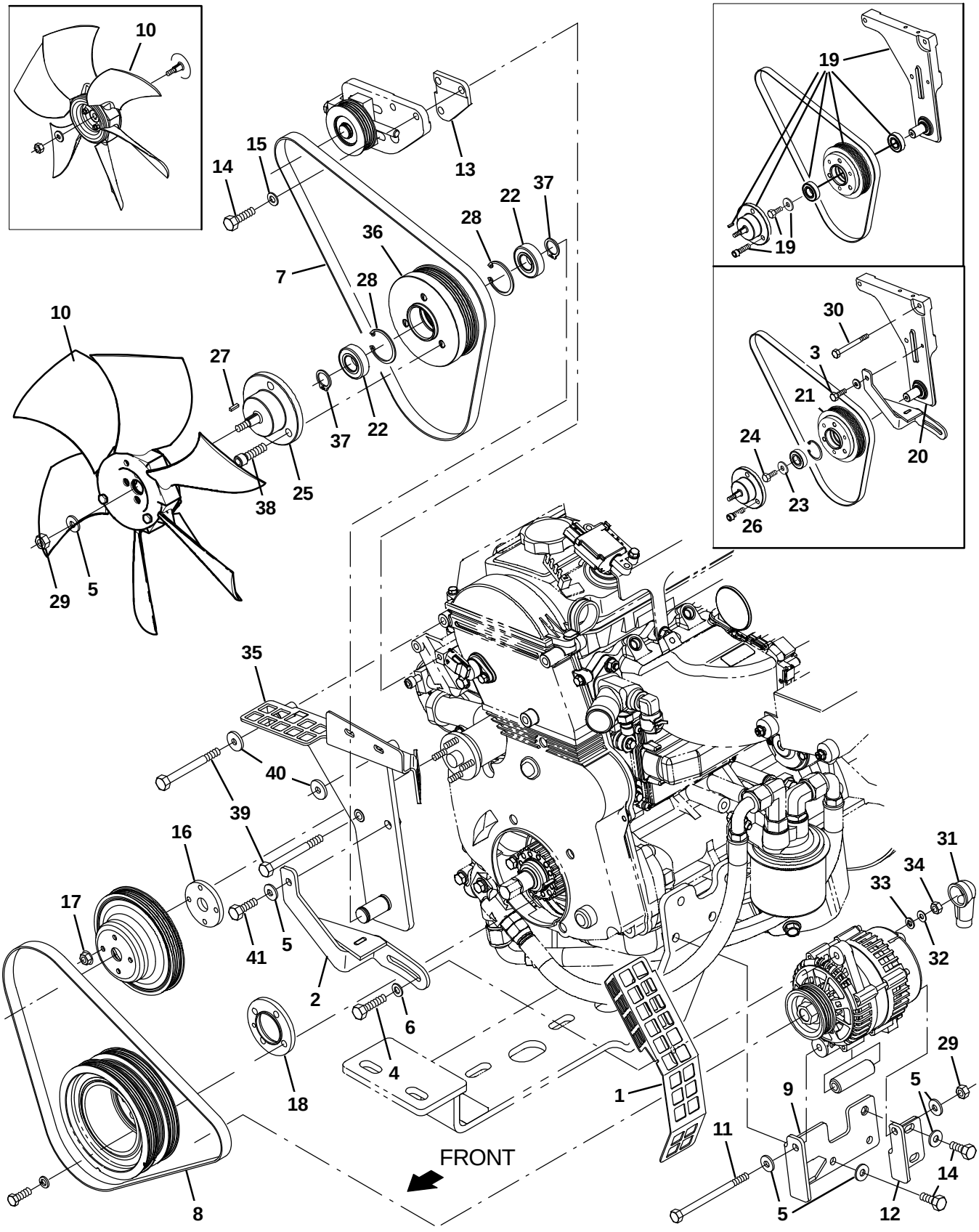


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Fig. 16 – Mitsubishi Engine Air Cleaner Group, LPG (S/N 008000–011000)

	Ref.	Part No.	Serial Number	Description	Qty.
	1	4208257	(008000–011000)	Bracket, Mtg, Fltr, Air [Psi]	1
	2	4156940	(008000–011000)	Screw, Hex, M8 X 1.25 X 25, 8.8	2
	3	4034137	(008000–011000)	Washer, Flat, 0.31, Std	2
	4	8002697	(008000–011000)	Element, Fltr, Air, Safety (OPTION)	1
	5	4182540	(008000–011000)	Hose, Intake, Mold [Epdm Mit 2013]	1
	6	4182561	(008000–011000)	Tube Wldt, Tee [Mit 2013]	1
	7	4027047	(008000–011000)	Hose, Drain,Overflow,Radiator[1pick=1ft]	1
	8	4044328	(008000–011000)	Clamp, Hose, Wormdrive, 1.81–2.75d, .50w	5
	9	4015366	(008000–011000)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	2
▽	10	4032296	(008000–011000)	Filter Assy, Air	1
▲	11	8006523	(008000–011000)	Element, Fltr, Air [Dn]	1
	12	4045568	(008000–011000)	Screw, Hex, M6 X 1.00 X 25, 9.8 Sems	2
	13	4041925	(008000–011000)	Nut, Hex, Lock, M6 X 1.00, Nl	2
	14	4036284	(008000–011000)	Hose, Intake, Mold, 2.00id [Epdm]	1
	15	4182539	(008000–011000)	Hose, Intake, Mold, Lpg [Epdm Mit2013]	1
	16	4032297	(008000–011000)	Clamp, Mtg, Fltr, Air	1
	17	4041926	(008000–011000)	Nut, Hex, Lock, M8 X 1.25, Nl	2
	18	4018310	(008000–011000)	Clamp, Cable, Stl, 1.00d X 0.75w, 1hole	1

Fig. 17 – Mitsubishi Engine Alternator and Fan Group (S/N 008000–011000)



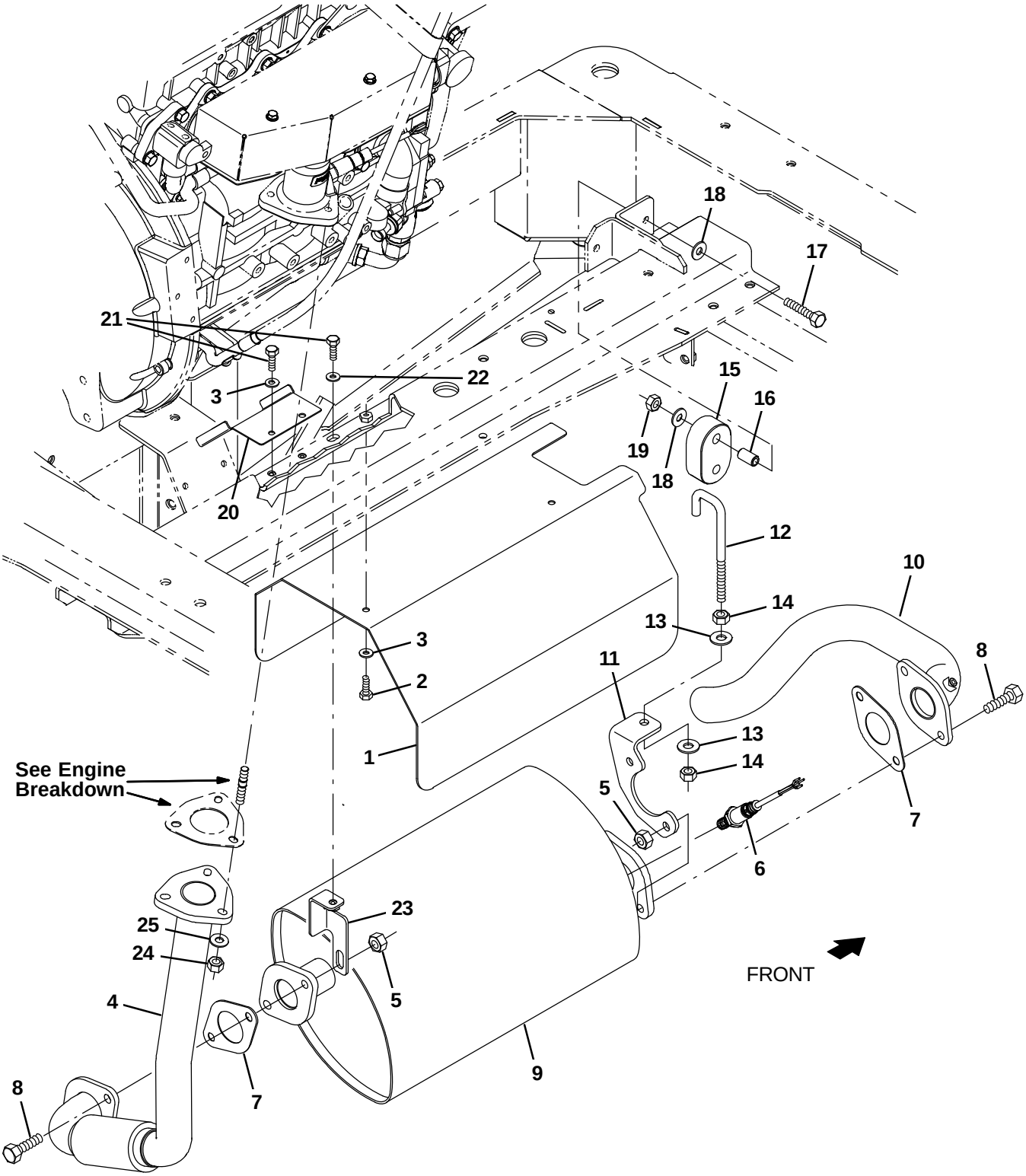
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Fig. 17 – Mitsubishi Engine Alternator and Fan Group (S/N 008000–011000)

Ref.	Part No.	Serial Number	Description	Qty.
1	4030726	(008000–011000)	Guard, Fan, Side	1
2	4182800	(008000–011000)	Arm Wldt, Alternator [Mit 2013]	1
3	4041844	(008000–009295)	Screw, Hex, M8 X 1.25 X 20, 8.8	1
4	4043498	(008000–011000)	Screw, Hex, M8 X 1.25 X 40, 8.8, Fl	1
5	4034137	(008000–011000)	Washer, Flat, 0.31, Std	7
6	4016796	(008000–011000)	Washer, Flat, Belleville, .31	1
7	4030503	(008000–011000)	Belt, Ribbed, Fan, 42.13l	1
8	4030504	(008000–011000)	Belt, Ribbed, Alternator, 41.5l	1
9	4182536	(008000–011000)	Bracket Wldt, Alternator [Mit13]	1
10	4207904	(008000–011000)	Fan, Cooling, 14.1D, 6 Blade, 4–Bolt (Repl 4032038)	1
11	4014179	(008000–011000)	Screw, Hex, M8 X 1.25 X 120, 8.8, Fl	1
12	4182314	(008000–011000)	Bracket, Mtg, Alternator [Mit 2013]	1
13	4030493	(008000–011000)	Block, Spacer	1
14	4028034	(008000–011000)	Screw, Hex, M8 X 1.25 X 30, 8.8	5
15	4015595	(008000–011000)	Washer, Flat, 0.31, Sae	2
16	4186700	(008000–011000)	Vr, Spacer, Water Pump , Psi 2.0l	1
17	4041604	(008000–011000)	Nut, Hex, Flng, M6 X 1.00	4
18	4186701	(008000–011000)	Vr, Spacer, Crank Pulley, Psi 2.0l	1
19	4018217	(008000–008232)	Repair Kit, Sheave	1
20	4044544	(008233–009295)	Plate Wldt, Shaft, Fan [Shaft Extended]	1
21	4030316	(008233–009295)	Sheave, Mach [Mit 2615rpm Fan]	1
22	4038766	(008233–011000)	Bearing, Ball, 20mm B 42mm D 12mm W	2
23	4035242	(008233–009295)	Washer, Flat, 0.32b 1.00d .12, Ss	1
24	4041828	(008233–009295)	Screw, Hex, M8 X 1.25 X 16, 8.8	1
25	4030317	(008233–011000)	Spacer, Fan, Taper [Mit 2013]	1
26	4232378	(008233–009295)	Screw, Soc, .38–16 X 1.25, Al	3
27	4042788	(008233–011000)	Key, Sq, 0.12 X 0.12, 0.50l	1
28	4178853	(008233–011000)	Ring, Retaining, Int, 42mm	2
29	4041926	(008000–011000)	Nut, Hex, Lock, M8 X 1.25, Nl	2
30	4019755	(008000–012313)	Screw, Hex, M8 X 1.25 X 90, 8.8	3
31	4034851	(008000–011000)	Boot, Bulb, .50id 1.00id 2.50l, Red	1
32	4042244	(008000–011000)	Washer, Flat, 0.25b 0.56d .05, Pl, 10	1
33	4034655	(008000–011000)	Washer, Lock, Int, 0.25	1
34	4041925	(008000–011000)	Nut, Hex, Lock, M6 X 1.00, Nl	1
35	4214590	(009296–011000)	Plate Wldt, Shaft, Fan	1
36	4032383	(009296–011000)	Sheave, Mach	1
37	4033875	(009296–011000)	Ring, Retaining, Shaft, Ext, 20mmd, Hd	2
38	4016811	(009296–011000)	Screw, Soc, M10 X 1.50 X 35, 12.9	1
39	4041284	(009296–011000)	Screw, Hex, M8 X 1.25 X 100, 8.8	3
40	4035242	(009296–011000)	Washer, Flat, 0.32b 1.00d .12, Ss	2
41	4156940	(009296–011000)	Screw, Hex, M8 X 1.25 X 25, 8.8	1

Fig. 18 – Mitsubishi Engine Muffler Group (S/N 008000–011000)



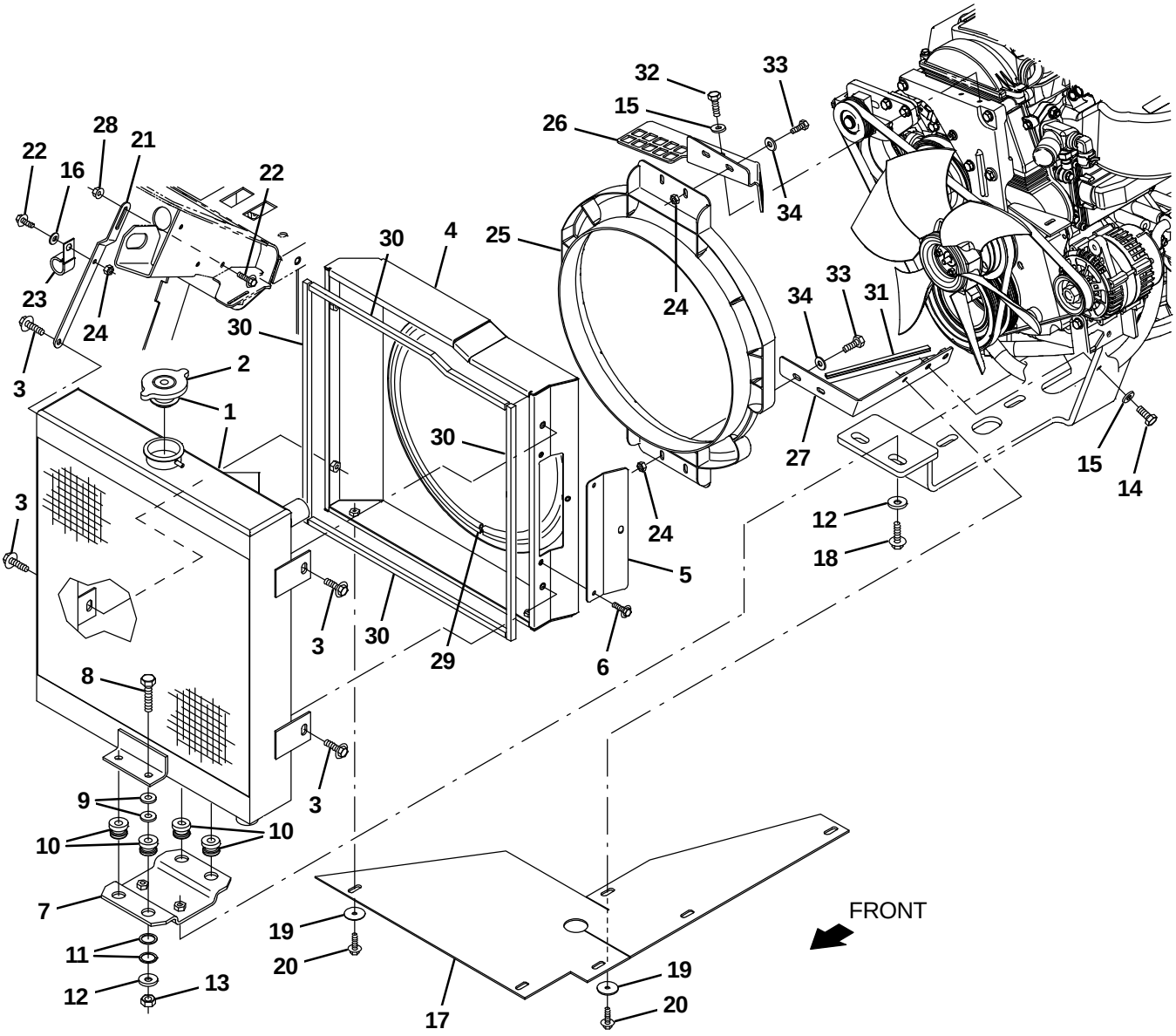
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Fig. 18 – Mitsubishi Engine Muffler Group (S/N 008000–011000)

Ref.	Part No.	Serial Number	Description	Qty.
1	4031022	(008000–011000)	Channel, Shield, Muffler [M20/T20 2007]	1
2	4041931	(008000–011000)	Screw, Hex, M6 X 1.0 X 20, Ss	2
3	4034133	(008000–011000)	Washer, Flat, 0.25, Sae	4
4	4025234	(008000–011000)	Pipe Kit, Exhaust, Replmt [Mako Mitsu]	1
5	4041626	(008000–011000)	Nut, Hex, M10 X 1.50 [Stover]	4
6	8225433	(008000–011000)	Sensor, Oxygen	1
7	4036679	(008000–011000)	Gasket, Exhaust, 2hole, 3.4bc	2
8	4019759	(008000–011000)	Screw, Hex, M10 X 1.5 X 35, 8.8	4
9	8005369	(008000–011000)	Muffler, Catalytic [Mit 2.0l 2013]	1
10	4030978	(008000–011000)	Tube, Exhaust, Flng, 1.5d [M20/T20 2007]	1
11	4031015	(008000–011000)	Bracket, Mtg, Muffler [M20/T20 2007]	1
12	4037297	(008000–011000)	Rod, Hanger, Isolator	1
13	4034138	(008000–011000)	Washer, Flat, 0.38, Std	2
14	4035408	(008000–011000)	Nut, Hex, Std, .38–16	2
15	4037292	(008000–011000)	Isolator, Rbr	1
16	4040603	(008000–011000)	Sleeve, P/M, 0.31b 0.50d 0.9l [430ss]	1
17	4040607	(008000–011000)	Screw, Hex, M8 X 1.25 X 45, Ss	1
18	4042902	(008000–011000)	Washer, Flat, 0.38b 0.88d .08, Ss	2
19	4041929	(008000–011000)	Nut, Hex, Lock, M8 X 1.25, Nl, Ss	1
20	4182994	(008000–011000)	Shield, Tray, Drip [Mit 2013]	1
21	4041271	(008000–011000)	Screw, Hex, M6 X 1.00 X 20, 8.8	3
22	4034136	(008000–011000)	Washer, Flat, 0.25, Std	1
23	4034497	(008000–011000)	Bracket, Muffler	1
24	4041625	(008000–011000)	Nut, Hex, Stover, M8	3
25	4015595	(008000–011000)	Washer, Flat, 0.31, Sae	3

Fig. 19 – Mitsubishi Engine Radiator and Mount Group (S/N 008000–011000)

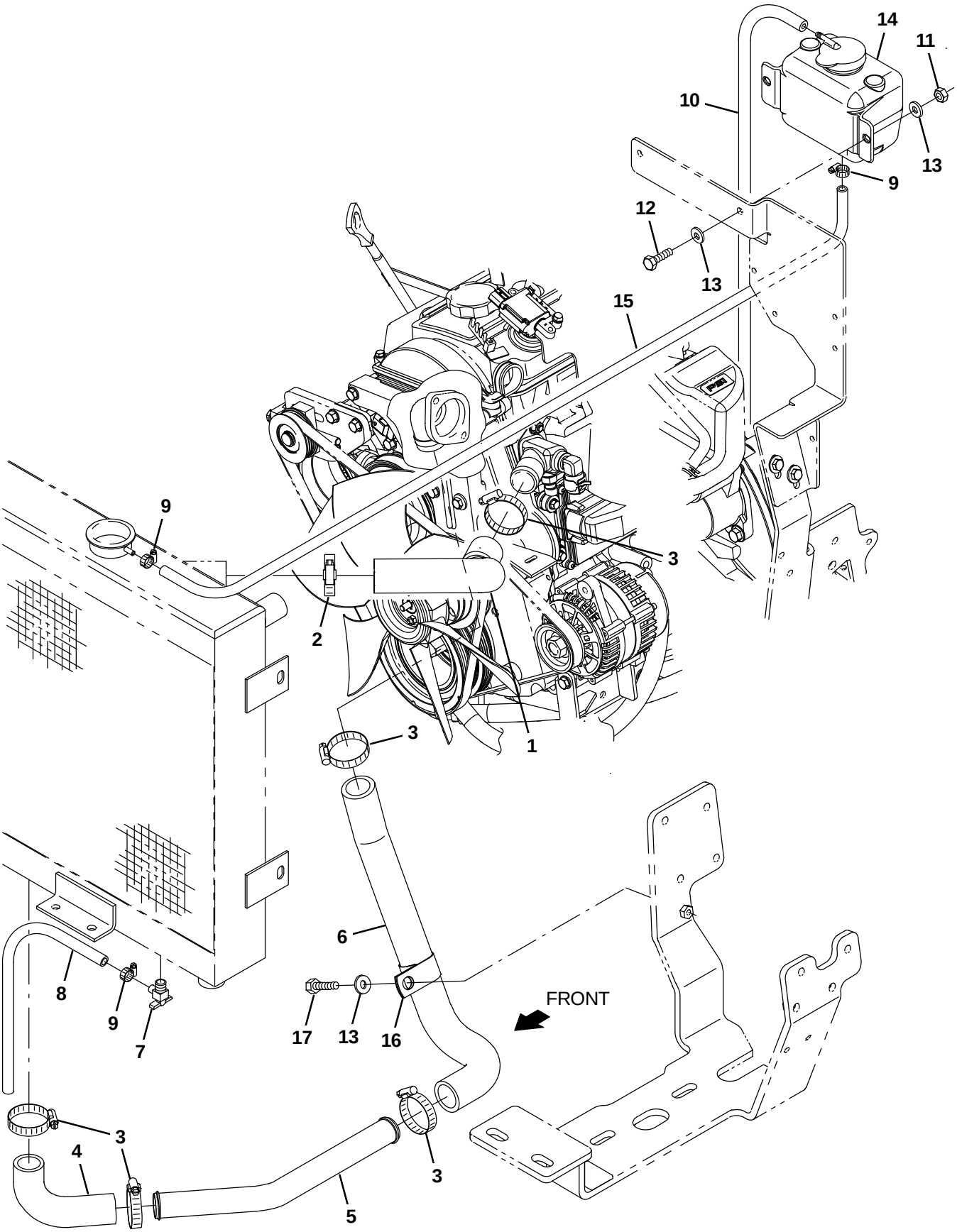


356299

Fig. 19 – Mitsubishi Engine Radiator and Mount Group (S/N 008000–011000)

	Ref.	Part No.	Serial Number	Description	Qty.
▽	1	4031438	(008000–011000)	Radiator, W/ Hyd Cooler [Afmkt]	1
▲	2	4029923	(008000–011000)	Cap, Radiator, 16Psi Sae 164	1
	3	4045637	(008000–011000)	Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	4
	4	4011220	(008000–011000)	Shrd Wldt,Fan,G/Lp, Replmt [M20/M30/T20]	1
	4	4011221	(008000–011000)	Shrd Wldt,Fan,G/Lp, Replmt [TJ] (Japan Only)	1
	5	4030382	(008000–011000)	Plate, Door, Clean–Out [Mit2013]	1
	6	4045568	(008000–011000)	Screw, Hex, M6 X 1.00 X 25, 9.8 Sems	3
	7	4190181	(008000–011000)	Bracket, Mtg, Radiator	1
	8	4041287	(008000–011000)	Screw, Hex, M10 X 1.50 X 45, 8.8	4
	9	4034138	(008000–011000)	Washer, Flat, 0.38, Std	8
	10	4015364	(008000–011000)	Isolator, Vib, Bshg, 1.1d 0.6l .4b 0.78h	4
	11	4042008	(008000–011000)	Washer, Flat, 0.81b 1.06d .06, Stl	8
	12	4037922	(008000–011000)	Washer, Flat, 0.40b 1.12d .12, Ss	4
	13	4016826	(008000–011000)	Nut, Hex, Lock, M10 X 1.5, Nl	4
	14	4156940	(008000–011000)	Screw, Hex, M8 X 1.25 X 25, 8.8	2
	15	4034137	(008000–011000)	Washer, Flat, 0.31, Std	7
	16	4034136	(008000–011000)	Washer, Flat, 0.25, Std	2
	17	4030761	(008000–011000)	Skirt, Fan, Eng, Gas/Lpg [M30 Mit 2013]	1
	18	4045641	(008000–011000)	Screw, Hex, M8 X 1.25 X 35, 9.8, Sems	2
	19	4016794	(008000–011000)	Washer, Flat, 0.25, Fendr	7
	20	4045568	(008000–011000)	Screw, Hex, M6 X 1.00 X 25, 9.8 Sems	7
	21	4036225	(008000–011000)	Bracket, Mtg, Radiator	1
	22	4044400	(008000–011000)	Screw, Hex, M6 X 1.00 X 20, 9.8, Sems	2
	23	4036443	(008000–011000)	Clip, Keeper, Open	1
	24	4041925	(008000–011000)	Nut, Hex, Lock, M6 X 1.00, Nl	5
	25	4038497	(008000–011000)	Shroud, Fan	1
	26	4030318	(008000–011000)	Bracket, Shrd, Fan, Upper, Sppt, G/Lpg	1
	27	4030343	(008000–011000)	Bracket, Shrd, Fan, Lower, Sppt, G/Lpg	1
	28	4041604	(008000–011000)	Nut, Hex, Flng, M6 X 1.00	1
	29	4039684	(008000–011000)	Seal, Afmkt, Bulb, Str, 0.58d 08ft	1
	30	4038013	(008000–011000)	Seal, Afmkt, Ure, Adh, 0.38, 0.38w 02ft	4
	31	4029367	(008000–011000)	Molding, Trim, Pvc, .08–.11 06.8l	1
	32	4041844	(008000–011000)	Screw, Hex, M8 X 1.25 X 20, 8.8	2
	33	4041271	(008000–011000)	Screw, Hex, M6 X 1.00 X 20, 8.8	4
	34	4034133	(008000–011000)	Washer, Flat, 0.25, Sae	4

Fig. 20 – Mitsubishi Engine Radiator Hose Group (S/N 008000–011000)

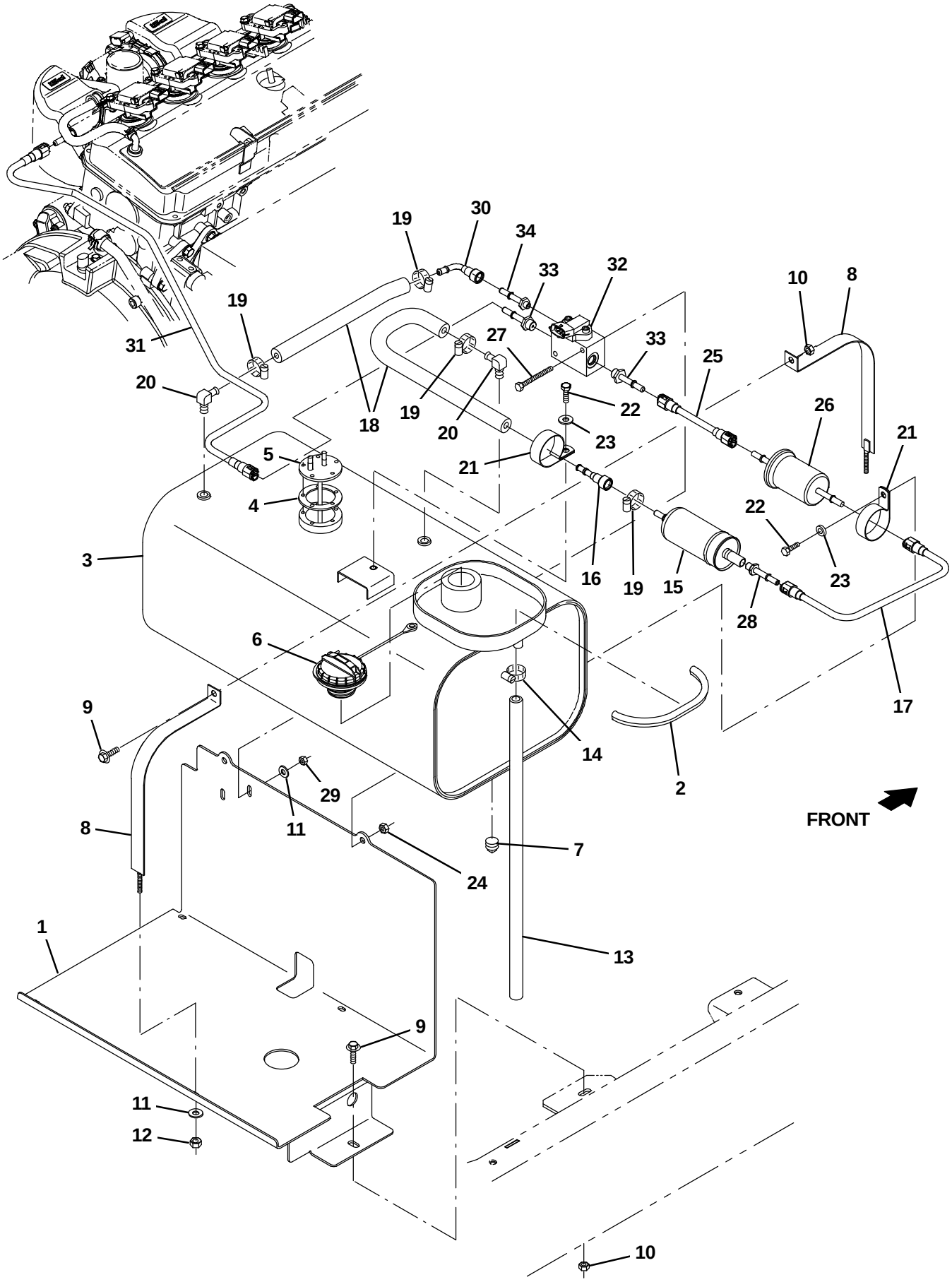


356300

Fig. 20 – Mitsubishi Engine Radiator Hose Group (S/N 008000–011000)

Ref.	Part No.	Serial Number	Description	Qty.
1	4030330	(008000–011000)	Hose, Coolant, Mold, 1.25id To 1.62id	1
2	4037088	(008000–011000)	Clamp, Hose, Wormdrive, 1.56–2.50d, .50w	1
3	4026556	(008000–011000)	Clamp, Hose, Wormdrive, 1.25–2.00d, .50w	5
4	4039550	(008000–011000)	Hose, Rbr, E90, 1.25id 1.25id 04.2 03.1	1
5	4030491	(008000–011000)	Tube, Coolant, 1.3d, Lower [Mit 2013]	1
6	4027830	(008000–011000)	Hose Kit, Coolant, Replmt [Mitsubishi}	1
7	4014543	(008000–011000)	Fitting, Draincock, E90, .25npt	1
8	4016344	(008000–011000)	Hose, Pvc, Clr, 0.38id 0.56od 022.0l	1
9	4017396	(008000–011000)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	3
10	4022521	(008000–011000)	Hose, Fuel, 0.18id, 29.0l	1
11	4041926	(008000–011000)	Nut, Hex, Lock, M8 X 1.25, Nl	2
12	4156940	(008000–011000)	Screw, Hex, M8 X 1.25 X 20, 8.8	2
13	4034137	(008000–011000)	Washer, Flat, 0.31, Std	2
14	4038493	(008000–011000)	Tank, Coolant, 03.6w 04.1hi 05.5l,1liter	1
15	4037950	(008000–011000)	Hose, Afmkt, Coolant Recvy, 05ft	1
16	4015029	(008000–011000)	Clamp, Cable, Stl, 1.50d X 1.00w, 1hole	1
17	4041844	(008000–011000)	Screw, Hex, M8 X 1.25 X 20, 8.8	1

Fig. 21 – Mitsubishi Engine Fuel Tank Group, Gas (S/N 008000–011000)



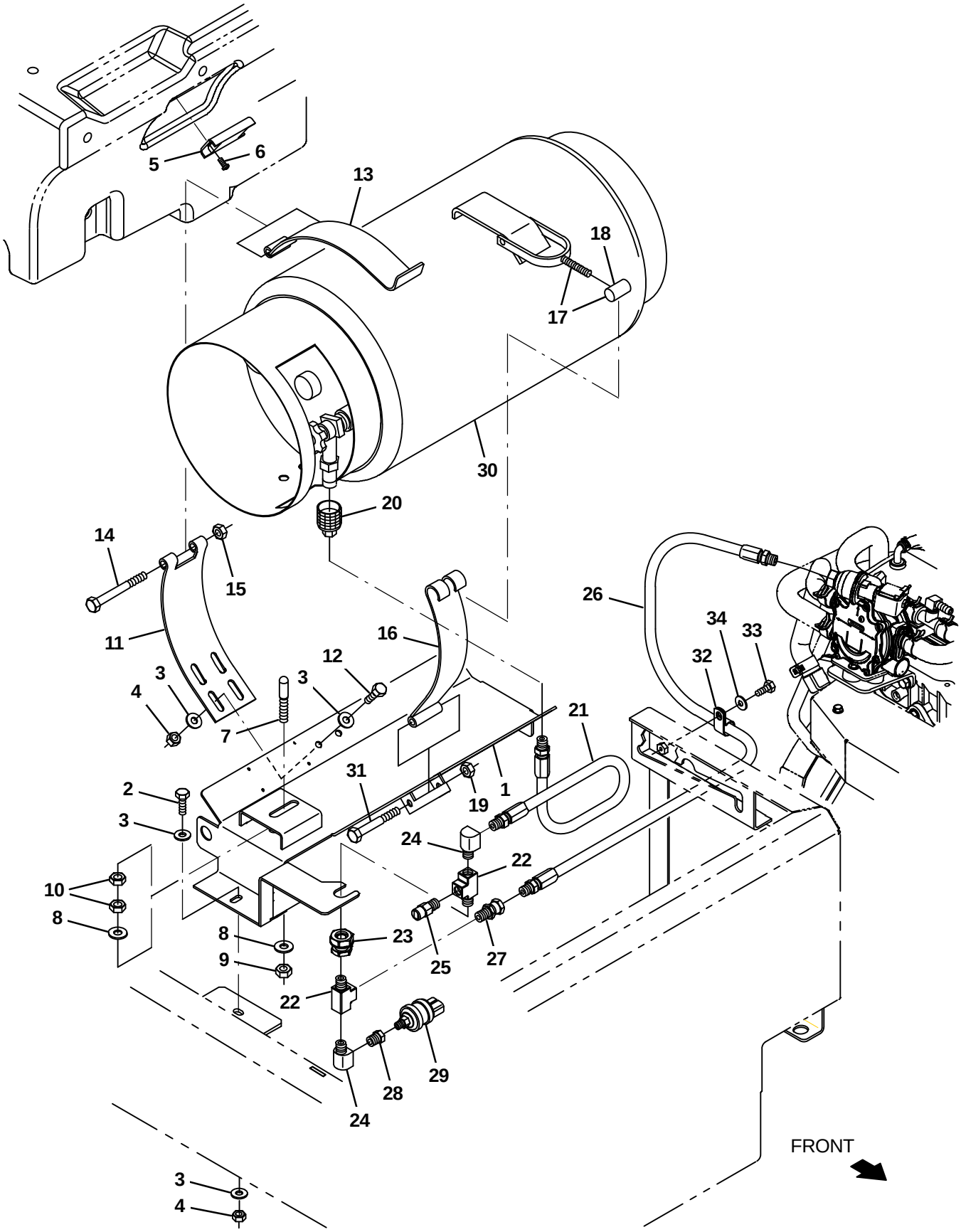
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Fig. 21 – Mitsubishi Engine Fuel Tank Group, Gas (S/N 008000–011000)

	Ref.	Part No.	Serial Number	Description	Qty.
	1	4194105	(008000–011000)	Tray Wldt, Fuel	1
	2	4194130	(008000–011000)	Molding, Trim, Pvc, .08–.11 13.2l	1
▽	3	4156940	(008000–011000)	Tank, Fuel, 11.2gal, Gas, Replmt [2007]	1
▲	4	4034137	(008000–011000)	Gasket, Sender, Fuel	1
▲	5	4041926	(008000–011000)	Send–Unit, Fuel [2007]	1
▲	6	4203095	(008000–011000)	Cap, Fuel, Tank	1
▲	7	8006208	(008000–011000)	Fitting, Pipe, Plug, Pm02, Sq Head	1
	8	8006221	(008000–011000)	Strap, Tank, Gas	2
	9	8006207	(008000–011000)	Screw, Hex, M8 X 1.25 X 30, 9.8, Sems	3
	10	4013933	(008000–011000)	Nut, Hex, Lock, M8 X 1.25, Nl	3
	11	4033269	(008000–011000)	Washer, Flat, 0.25, Sae	4
	12	4015366	(008000–011000)	Nut, Hex, Lock, .25–20, Nl	2
	13	4037296	(008000–011000)	Hose, Fuel, 0.50id, 21.0l	1
	14	4036932	(008000–011000)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	1
	15	4041281	(008000–011000)	Pump, Fuel, Hi Press	1
	16	4045263	(008000–011000)	Connector, Fuel, Qf	1
	17	4030561	(008000–011000)	Fuelline, .31d Str/Str,Plstc	1
	18	4037227	(008000–011000)	Hose, Fuel, 0.31id [Evap Emission 07]	2
	19	4045069	(008000–011000)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	4
	20	40419252	(008000–011000)	Fitting, Brs, E90, Em05/Pm04	2
	21	4019173	(008000–011000)	Clamp, Cable, Stl, 2.00d X 0.75w, 1hole	2
	22	8005188	(008000–011000)	Screw, Hex, M8 X 1.25 X 20, 8.8	2
	23	8002487	(008000–011000)	Washer, Flat, 0.31, Std	2
	24	8005188	(008000–011000)	Nut, Hex, Lock, M8 X 1.25, Nl	1
	25	8047407	(008000–011000)	Fuelline, .31d Str/Str, Plstc	1
	26	8005499	(008000–011000)	Filter, Fuel [Gm 1.6l/3.0l]	1
	27	4200490	(008000–011000)	Screw, Hex, M6 X 1.00 X 50, 8.8	2
	28	4193651	(008000–011000)	Fitting, Fuel, Str, M10x1.0	1
	29	4034133	(008000–011000)	Nut, Hex, Lock, M6 X 1.00, Nl	2
	30	4034654	(008000–011000)	Connector, Fuel, E90, Qf	1
	31	4218342	(008000–011000)	Fuelline, .31d Str/Str, Plstc [Mit 2013]	1
	32	8044978	(008000–011000)	Manifold, Gas, Relief, Valve	1
	33	4041844	(008000–011000)	Fitting, Fuel, Str, 0.56–18 [07 Eng]	2
	34	8047304	(008000–011000)	Fitting, Fuel, Str, 0.38–24 [07 Eng]	1

Fig. 22 – Mitsubishi Engine Fuel Tank Group, LPG (S/N 008000–011000)



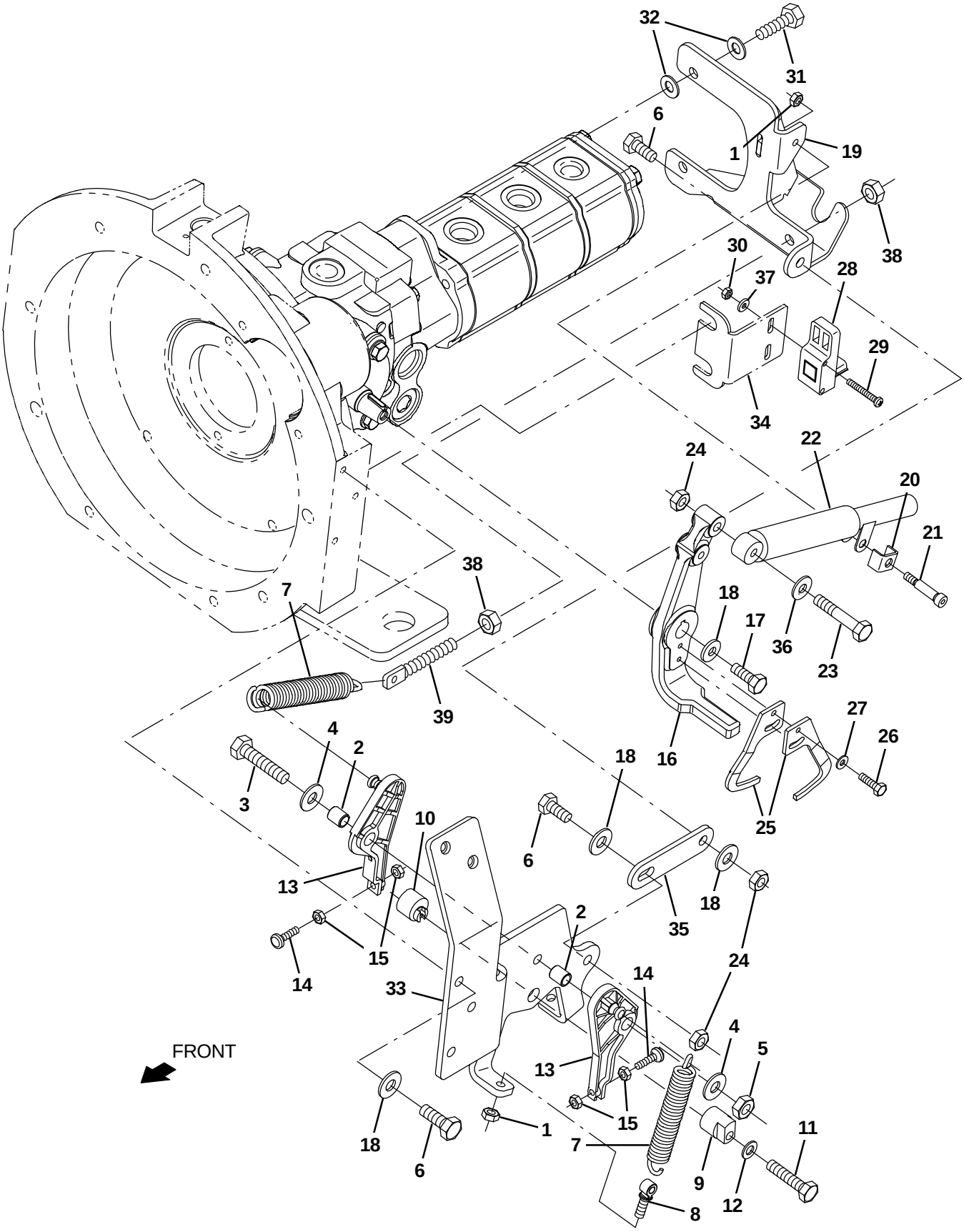
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354419 – M30

Fig. 22 – Mitsubishi Engine Fuel Tank Group, LPG (S/N 008000–011000)

	Ref.	Part No.	Serial Number	Description	Qty.
	1	4035518	(008000–011000)	Tray Wldt, Lpg	1
	2	4156940	(008000–011000)	Screw, Hex, M8 X 1.25 X 25, 8.8	2
	3	4034137	(008000–011000)	Washer, Flat, 0.31, Std	8
	4	4041926	(008000–011000)	Nut, Hex, Lock, M8 X 1.25, Nl	4
	5	4017052	(008000–011000)	Magnet, Drive Brush	1
	6	4041965	(008000–011000)	Screw, Pan, M5 X 0.8 X 12, Ss	2
	7	4033855	(008000–011000)	Pin, Locating, Lpg	1
	8	4034138	(008000–011000)	Washer, Flat, 0.38 Std	2
	9	4016826	(008000–011000)	Nut, Hex, Lock, M10 X 1.5, Nl	1
	10	4034476	(008000–011000)	Nut, Hex, Jam, M10 X 1.5, Ss	2
	11	4029786	(008000–011000)	Strap, Mtg, Tank, Lpg	1
	12	4041844	(008000–011000)	Screw, Hex, M8 X 1.25 X 20, 8.8	2
	13	4029300	(008000–011000)	Strap, Mtg, Tank, Lpg, Hinge	1
	14	4031662	(008000–011000)	Screw, Hex, .38–16 X 3.75, 5	1
	15	4016826	(008000–011000)	Nut, Hex, Lock, .38–16, Nl, Ss	1
	16	4029787	(008000–011000)	Strap, Mtg, Tank, Lpg	1
▽	17	4015025	(008000–011000)	Latch Assy, Mtg, Tank, Lpg, W/Nut	1
▲	18	4015026	(008000–011000)	Nut, Adj, Mtg, Tank, Lpg	1
	19	4028758	(008000–011000)	Nut, Hex, Lock, .38–16, Nl, Thin	1
	20	4035691	(008000–011000)	Fitting, Brs, Qdc, Pf04, Lpg Fem	1
	21	4037354	(008000–011000)	Hose, Lpg, Med05, Pm04str/Sm04str, 14.0l	1
	22	4041151	(008000–011000)	Fitting, Brs, Tee, Pf04/Pf04/Pm04, Run	2
	23	4026127	(008000–011000)	Fitting, Brs, Str, Pf04/Pf04, Bh	1
	24	4035699	(008000–011000)	Fitting, Brs, E90, Pf04/Pm04	2
	25	4035364	(008000–011000)	Valve, Lpg, Press Relief [Rego]	1
	26	4042556	(008000–011000)	Hose, Lpg, Med05, Pm04str/Sm04str, 55.0l	1
	27	4041876	(008000–011000)	Fitting, Hyd, Str, Pf02/Pm04	1
	28	4232409	(008000–011000)	Fitting, Pipe, Str, Pm04/Sf04	1
	29	4035027	(008000–011000)	Switch, Press, 0070PSI SPST NC 12VDC 08A	1
	30	4035401	(008000–011000)	Tank, Lpg, 33lb, W/ Gauge [Empty, Liq]	1
	31	4031659	(008000–011000)	Screw, Hex, .38–16 X 3.00, G5	1
	32	4017933	(008000–011000)	Clamp, Cable, Stl, 0.69d X 0.62w, 1hole	1
	33	4041270	(008000–011000)	Screw, Hex, M6 X 1.00 X 16, 8.8	1
	34	4034133	(008000–011000)	Washer, Flat, 0.25, Sae	1

Fig. 23 – Mitsubishi Hydraulic Pump Linkage Group (S/N 008000–015000)

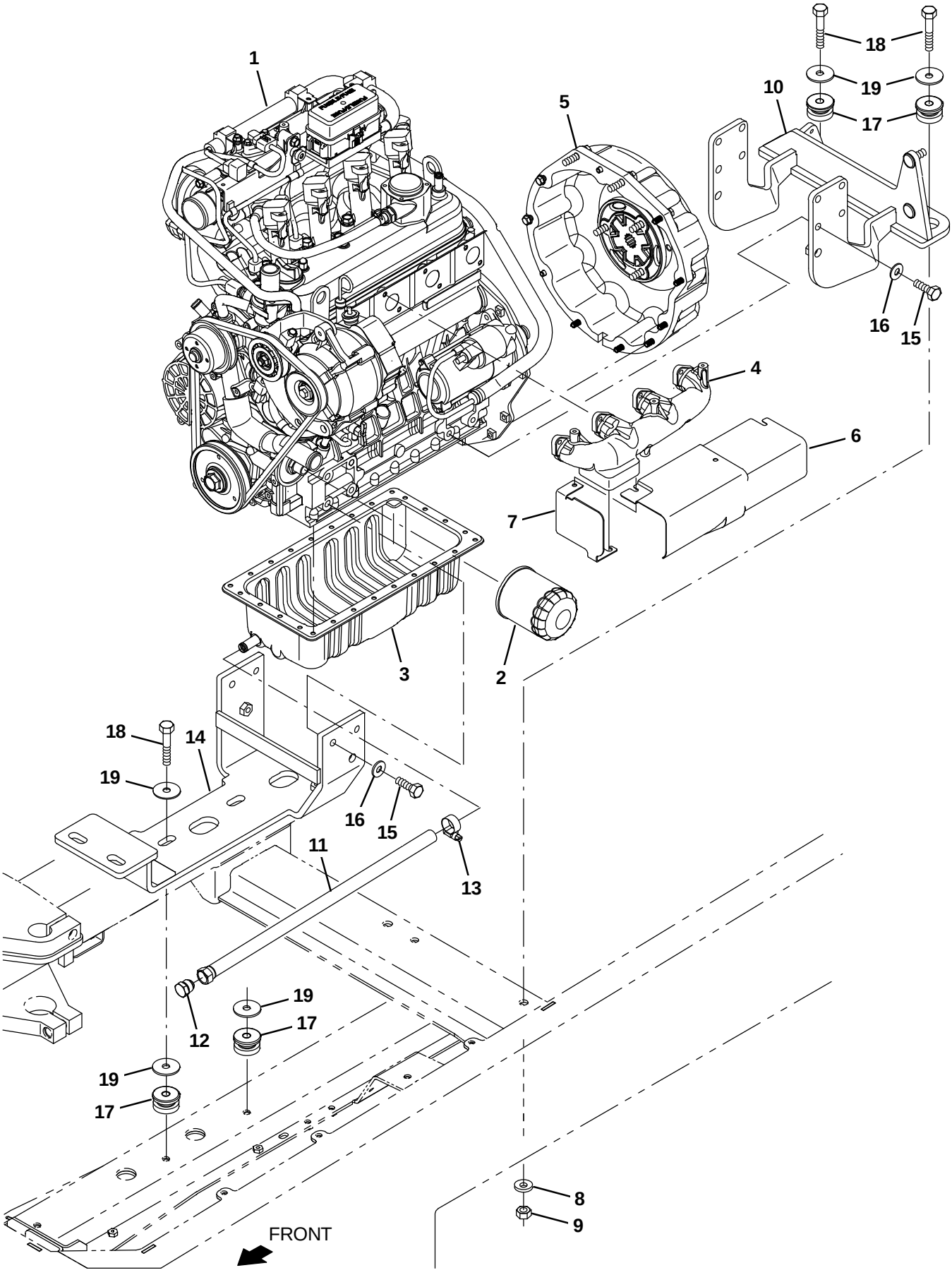


356301–G/LP

Fig. 23 – Mitsubishi Hydraulic Pump Linkage Group (S/N 008000–011000)

Ref.	Part No.	Serial Number	Description	Qty.
1	4013573	(008000–011000)	Nut, Hex, Lock, .25–20, Nl	2
2	4021145	(008000–011000)	Tube, 00.50d 00.38b 00.6l Stl	2
3	4200713	(008000–011000)	Screw, Hex, .38–16 X 2.25, G5	1
4	4034138	(008000–011000)	Washer, Flat, 0.38 Std	2
5	4028758	(008000–011000)	Nut, Hex, Lock, .38–16, Nl, Thin	1
6	4156940	(008000–011000)	Screw, Hex, M8 X 1.25 X 25, 8.8	5
7	4043395	(008000–011000)	Spring, Extn, 0.75od X 0.12wir, 4.3l	2
8	4013918	(008000–011000)	Bolt, Eye, .25–20 X 1.40 X .25 Eye	1
9	4015051	(008000–011000)	Cam, Centering, Pintle	1
10	4028669	(008000–011000)	Cam, Centering, Pintle	1
11	4012778	(008000–011000)	Screw, Hex, M8 X 1.25 X 40, Ss, Nl	1
12	4015595	(008000–011000)	Washer, Flat, 0.31 Sae	1
13	4015053	(008000–011000)	Arm, Cntrl, Pintle, Centering	2
14	4015362	(008000–011000)	Bumper, Rbr, 0.5d 0.16t M5 X 08	2
15	4014211	(008000–011000)	Nut, Hex, Std, M5 X 0.8, 8	4
16	4030623	(008000–011000)	Arm, Pintle	1
17	4021295	(008000–011000)	Screw, Hex, .31–24 X 0.75, Nl	1
18	4016796	(008000–011000)	Washer, Belleville, .31	6
19	4194159	(008000–011000)	Bracket Wldt, Propel, Pintle	1
20	4021318	(008000–011000)	Bracket, Retainer, Safety	1
21	4041517	(008000–011000)	Bolt, Shld, .31d X 1.00, .25–20	1
22	4016337	(008000–011000)	Shock Absorber, 2.3 Strk	1
23	4019753	(008000–011000)	Screw, Hex, M8 X 1.25 X 50, 8.8	1
24	4041926	(008000–011000)	Nut, Hex, Lock, M8 X 1.25, Nl	3
25	4033213	(008000–011000)	Arm [Positioning]	2
26	4041970	(008000–011000)	Screw, Hex, M5 X 0.8 X 20, 8.8	2
27	4042888	(008000–011000)	Washer, Flat, #10 Ss	2
28	4033212	(008000–011000)	Sensor, Spd / Dir, 6–30vdc	1
29	4041964	(008000–011000)	Screw, Pan, M4 X 0.7 X 35, Ss	2
30	4031247	(008000–011000)	Nut, Hex, Lock, M4 X 0.7, Nl, Ss	2
31	4013460	(008000–011000)	Screw, Hex, .38–16 X 1.25, Nl	2
32	4034134	(008000–011000)	Washer, Flat, 0.38 Sae	4
33	4030339	(008000–011000)	Bracket, Propel, G/Lpg [Mit 2013]	1
34	4182555	(008000–011000)	Angle, Mtg	1
35	4192517	(008000–011000)	Strap, Sppt	1
36	4034136	(008000–011000)	Washer, Flat, 0.25 Std	1
37	4042243	(008000–011000)	Washer, Flat, 0.19b 0.44d .05, Pl, 08	2
38	4041600	(008000–011000)	Nut, Hex, Std, M8 X 1.25, Ss	2
39	4021359	(008000–011000)	Bolt, Eye, M8 X 1.25 X 070mm, 05.50 Eye	1

Fig. 24 – Kubota Engine and Mount Group, Gas (S/N 011001–012999)

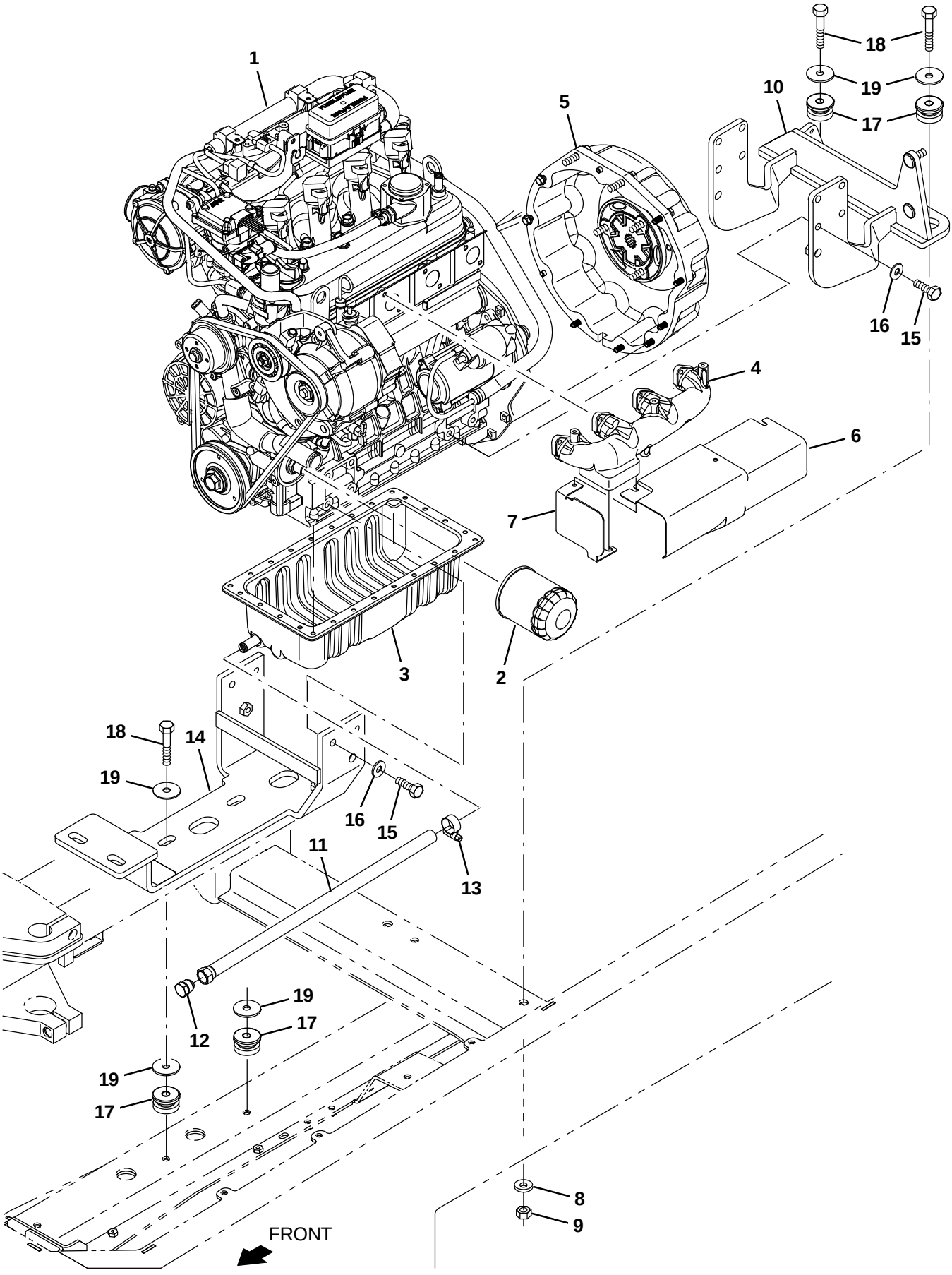


357247 – Gas

Fig. 24 – Kubota Engine and Mount Group, Gas (S/N 011001–012999)

	Ref.	Part No.	Serial Number	Description	Qty.
▽	1	4208784	(011001–012999)	Engine, Gas, 1.6l [Kubota, Mako]	1
▲	2	8002311	(011001–012999)	Element, Fltr, Oil, Spin–On [Ku]	1
▲	3	8047600	(011001–012999)	Pan, Oil, Kubota, 1.6l, Lpg	1
▲	4	8046564	(011001–012999)	Manifold, Exhaust	1
▲	5	8046581	(011001–012999)	Housing, Flywheel, [Kubota, Lpg]	1
▲	6	4186291	(011001–012999)	Shield, Exh, Manifold, Kub 1.6l	1
▲	7	4086292	(011001–012999)	Shield, Exh, Man, Side, Kub 2.0l	1
▲		8046570	(011001–012999)	Module, Engine–Interface, Kubota	1
▲		8002511	(011001–012999)	Gasket, Cover, Head, Cyl	1
▲		8002424	(011001–012999)	Gasket, Pan, Oil	1
▲		8046673	(011001–012999)	Spark Plug	4
▲		8046572	(011001–012999)	Coil, Spark Plug	4
▲		8046574	(011001–012999)	Interface Cable	1
	8	4034139	(011001–012999)	Washer, Flat, 0.50 Std	3
	9	4041927	(011001–012999)	Nut, Hex, Lock, M12 X 1.75,Nl	3
	10	4209014	(011001–012999)	Bracket Wldt, Mtg, Engine, Rear [Mako]	1
	11	4030626	(011001–012999)	Hose, 0300, Low08, Jf08str / None, 19.0	1
	12	4041528	(011001–012999)	Fitting, Hyd, Plug, Jm08	1
	13	4017089	(011001–012999)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	1
	14	4190168	(011001–012999)	Bracket Wldt, Mtg, Eng, Front, Dsl	1
	15	4041580	(011001–012999)	Screw, Hex, M10 X 1.25 X 25, 8.8	12
	16	4034138	(011001–012999)	Washer, Flat, 0.38 Std	12
	17	4014538	(011001–012999)	Isolator, Vib, .50d	4
	18	4041297	(011001–012999)	Screw, Hex, M12 X 1.75 X 60, 8.8	4
	19	4040927	(011001–012999)	Washer, Flat, 0.53b 1.88d .12, Stl, Pl	4

Fig. 25 – Kubota Engine and Mount Group, LPG (S/N 011001–012999)

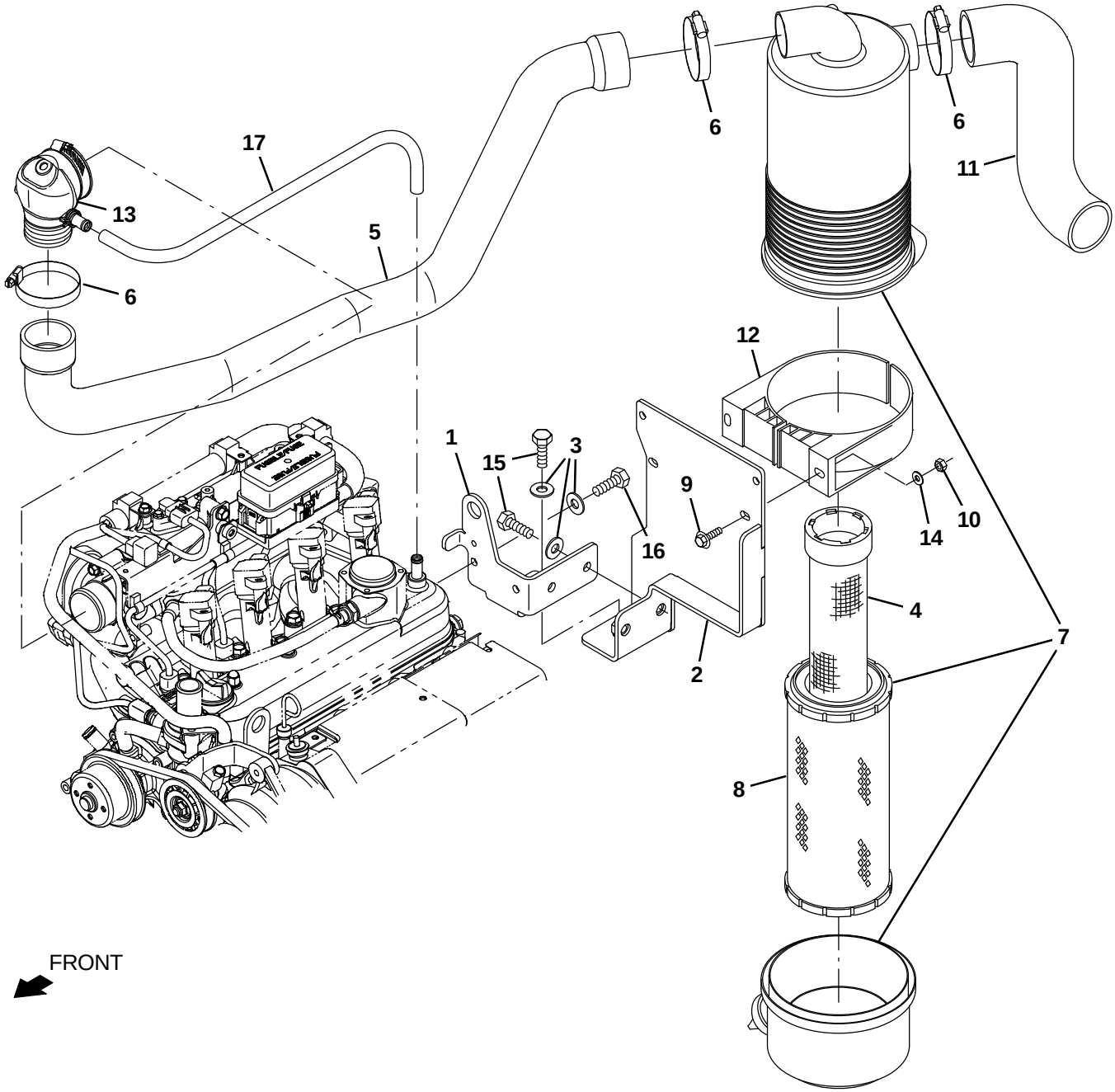


357235

Fig. 25 – Kubota Engine and Mount Group, LPG (S/N 011001–012999)

	Ref.	Part No.	Serial Number	Description	Qty.
▽	1	4208785	011001–012999)	Engine, Lpg, 2.0 lL [PSI, MAKO]	1
▲	2	8002311	(011001–012999)	Element, Fltr, Oil, Spin–On [Ku]	1
▲	3	8047600	(011001–012999)	Oil Pan, Kubota, 1.6l, Lpg	1
▲	4	8046564	(011001–012999)	Manifold, Exhaust	1
▲	5	8046581	(011001–012999)	Housing, Flywheel, [Kubota, Lpg]	1
▲	6	4186291	(011001–012999)	Shield, Exh, Manifold, Kub 1.6l	1
▲	7	4186292	(011001–012999)	Shield, Exh, Man, Side, Kub 2.0l	1
▲		8046570	(011001–012999)	Module, Engine–Interface, Kubota	1
▲		8002511	(011001–012999)	Gasket, Cover, Head, Cyl	1
▲		8002424	(011001–012999)	Gasket, Pan, Oil	1
▲		8046573	(011001–012999)	Spark Plug	4
▲		8046572	(011001–012999)	Coil, Spark Plug	4
▲		8046574	(011001–012999)	Interface Cable	1
	8	4034139	(011001–012999)	Washer, Flat, 0.50 Std	3
	9	4041927	(011001–012999)	Nut, Hex, Lock, M12 X 1.75,Nl	3
	10	4209014	(011001–012999)	Bracket Wldt, Mtg, Engine, Rear [Mako]	1
	11	4030626	(011001–012999)	Hose, 0300, Low08, Jf08str / None, 19.0	1
	12	4041528	(011001–012999)	Fitting, Hyd, Plug, Jm08	1
	13	4017089	(011001–012999)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	1
	14	4190168	(011001–012999)	Bracket Wldt, Mtg, Eng, Front, Dsl	1
	15	4041580	(011001–012999)	Screw, Hex, M10 X 1.25 X 25, 8.8	12
	16	4034138	(011001–012999)	Washer, Flat, 0.38 Std	12
	17	4014538	(011001–012999)	Isolator, Vib, .50d	4
	18	4041297	(011001–012999)	Screw, Hex, M12 X 1.75 X 60, 8.8	4
	19	4040927	(011001–012999)	Washer, Flat, 0.53b 1.88d .12, Stl, Pl	4

Fig. 26 – Kubota Engine Air Cleaner Group, Gas (S/N 011001–012999)

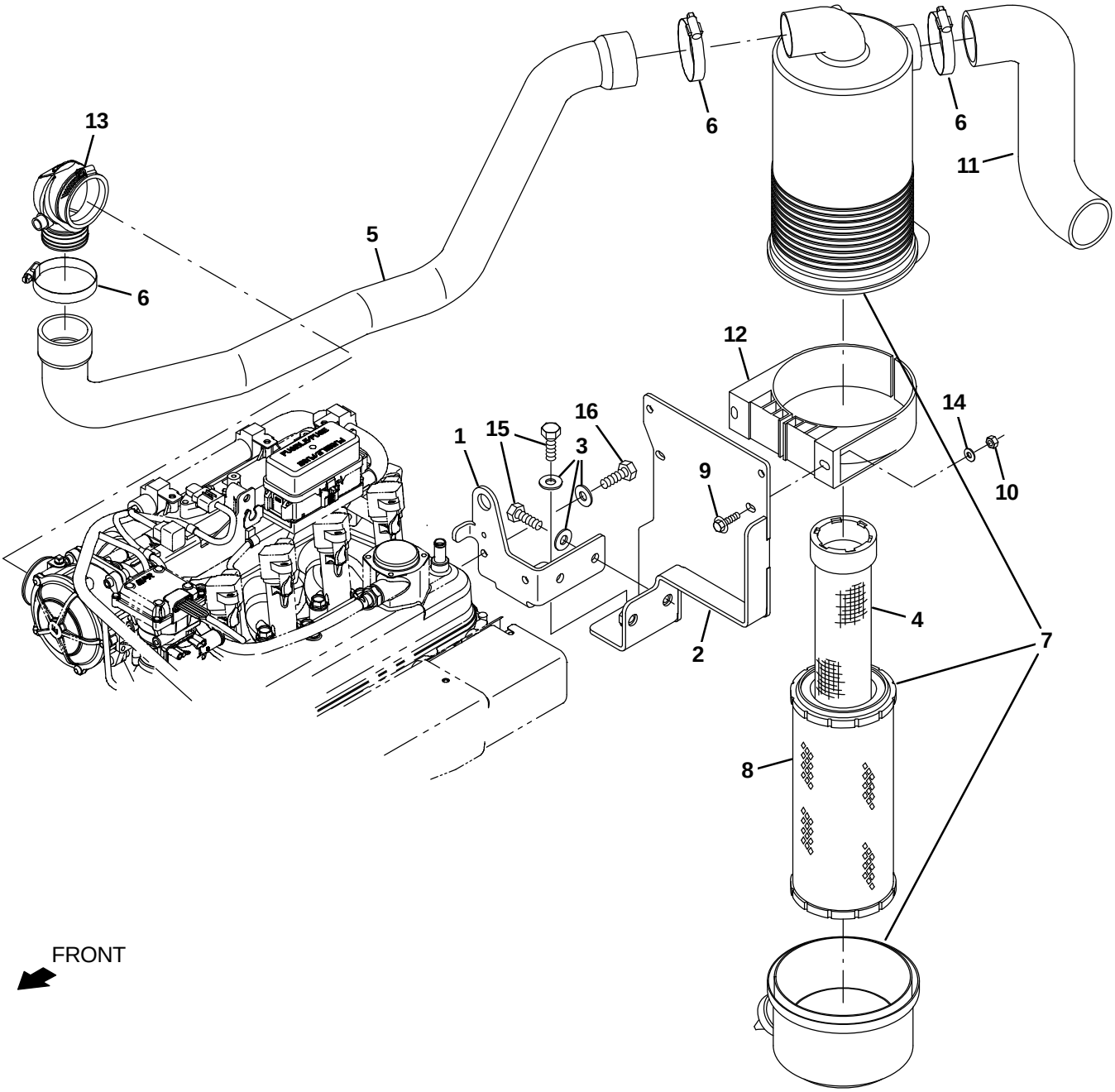


357254 – M30

Fig. 26 – Kubota Engine Air Cleaner Group, Gas (S/N (012001–012999)

	Ref.	Part No.	Serial Number	Description	Qty.
	1	8046589	(011001–012999)	Bracket, Air Cleaner, Coolant	1
	2	4209284	(011001–012999)	Bracket Wldt, Air Bracket, Kub	1
	3	4034138	(011001–012999)	Washer, Flat, 0.38, Std	5
	4	8002697	(011001–012999)	Element, Fltr, Air, Safety	1
	5	8046588	(011001–012999)	Hose, Intake, Mold	1
	6	4044328	(011001–012999)	Clamp, Hose, Wormdrive, 1.81–2.75d, .50w	3
▽	7	4032296	(011001–012999)	Filter Assy, Air	1
▲	8	8005623	(011001–012999)	Element, Fltr, Air [Dn]	1
	9	4045637	(011001–012999)	Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	2
	10	4041926	(011001–012999)	Nut, Hex, Lock, M8 X 1.25, Nl	2
	11	4036284	(011001–012999)	Hose, Intake, Mold, 2.00id [Epdm]	1
	12	4032297	(011001–012999)	Clamp, Mtg, Fltr, Air	1
	13	8046580	(011001–012999)	Elbow, Cobra, Intake, M20, Kub	1
	14	4034137	(011001–012999)	Washer, Flat, 0.31, Std	2
	15	4019758	(011001–012999)	Screw, Hex, M10x1.50x25, 8.8	3
	16	8051237	(011001–012999)	Screw, Hex [Ku]	2
	17	8046582	(011001–012999)	Hose, Breather, Crankcase, Kub, 1.6l (Kubota)	1

Fig. 27 – Kubota Engine Air Cleaner Group, LPG (S/N 011001–012999)

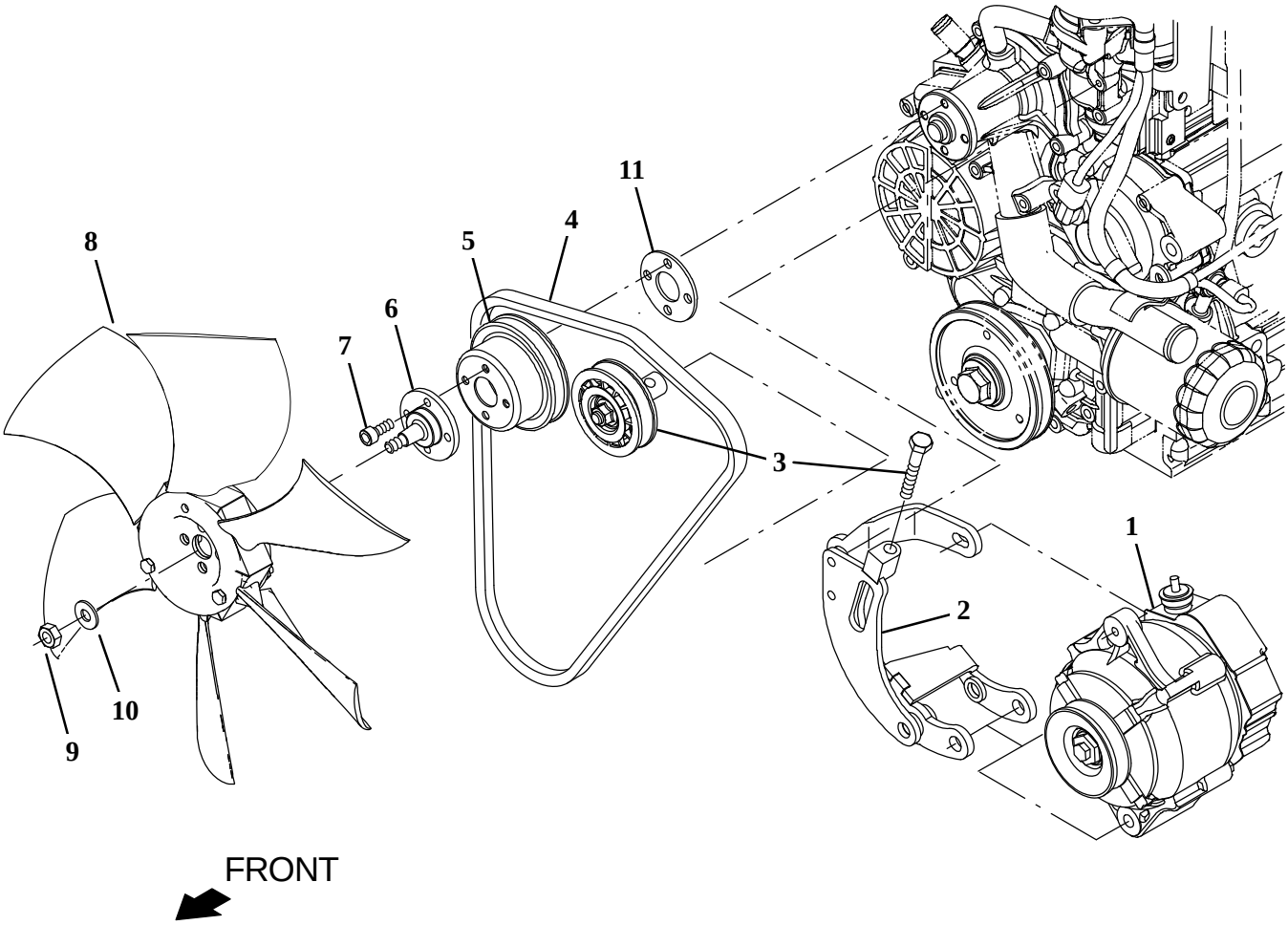


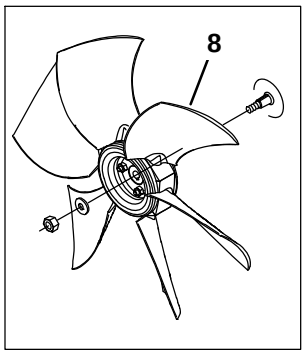
357266 – M30

Fig. 27 – Kubota Engine Air Cleaner Group, LPG (S/N 011001–012999)

	Ref.	Part No.	Serial Number	Description	Qty.
	1	8046589	(011001–012999)	Bracket, Air Cleaner, Coolant	1
	2	4209284	(011001–012999)	Bracket Wldt, Air Bracket, Kub	1
	3	4034138	(011001–012999)	Washer, Flat, 0.38, Std	5
	4	8002697	(011001–012999)	Element, Fltr, Air, Safety	1
	5	8046588	(011001–012999)	Hose, Intake, Mold	1
	6	4044328	(011001–012999)	Clamp, Hose, Wormdrive, 1.81–2.75d, .50w	5
▽	7	4032296	(011001–012999)	Filter Assy, Air	1
▲	8	8005623	(011001–012999)	Element, Fltr, Air [Dn]	1
	9	4045637	(011001–012999)	Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	2
	10	4041926	(011001–012999)	Nut, Hex, Lock, M8 X 1.25, Nl	2
	11	4032297	(011001–012999)	Hose, Intake, Mold, 2.00id [Epdm]	1
	12	4032297	(011001–012999)	Clamp, Mtg, Fltr, Air	1
	13	8046580	(011001–012999)	Elbow, Cobra, Intake, M20, Kub	1
	14	4034137	(011001–012999)	Washer, Flat, 0.31, Std	2
	15	4019758	(011001–012999)	Screw, Hex, M10x1.50x25, 8.8	3
	16	8051237	(011001–012999)	Screw, Hex [Ku]	2

Fig. 28 – Kubota Engine Alternator and Fan Group (S/N 011001–012999)





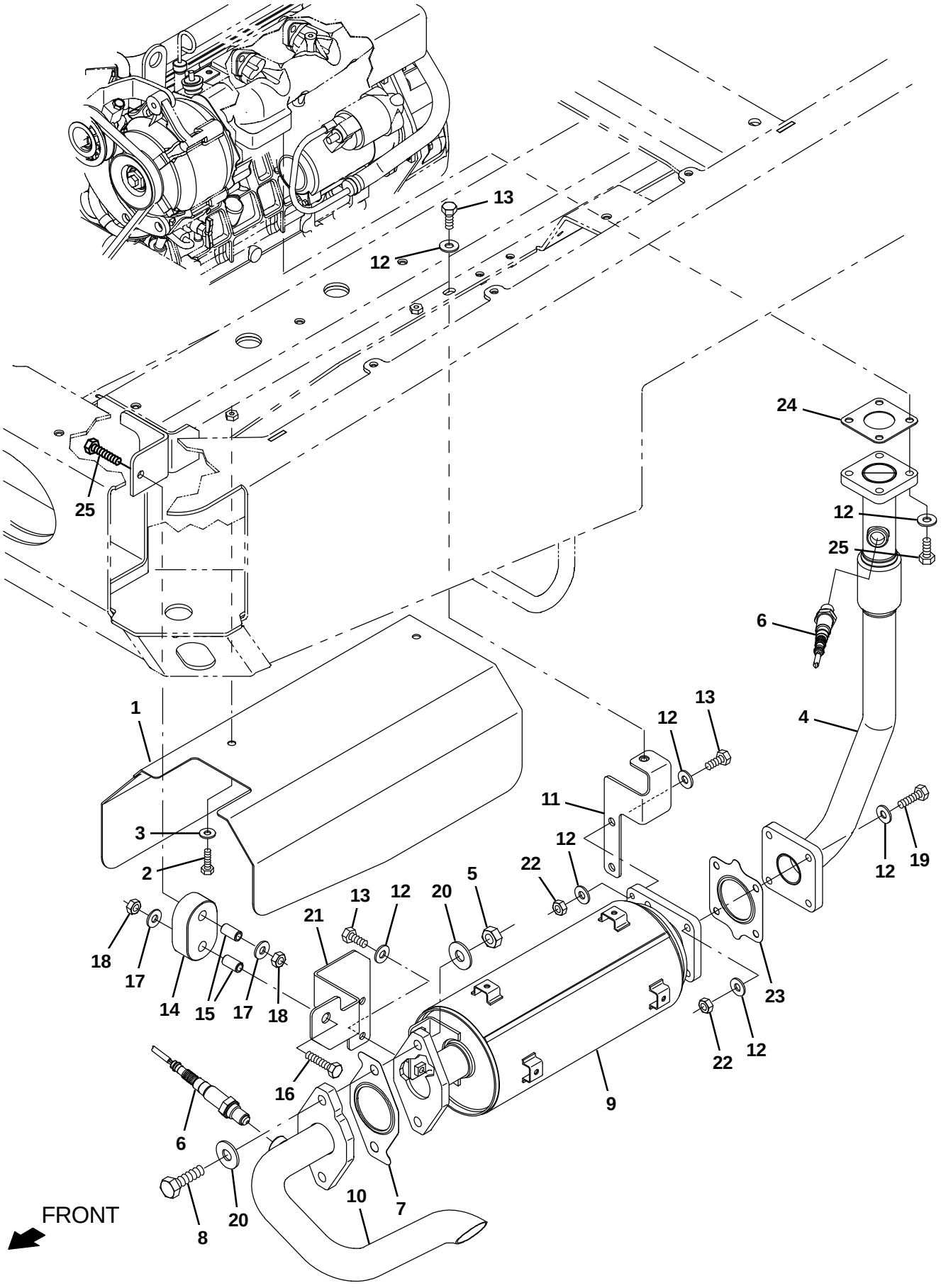
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Fig. 28 – Kubota Engine Alternator and Fan Group (S/N 011001–012999)

Ref.	Part No.	Serial Number	Description	Qty.
1	8047292	(011001–012999)	Alternator 12v 90a [Kubota Eng]	1
2	8046587	(011001–012999)	Bracket Wldt, Alternator [05 Series 90a]	1
3	8046575	(011001–012999)	Adjuster, Belt, Kub, Mako	1
4	8046563	(011001–012999)	V–Belt	1
5	8046565	(011001–012999)	Pulley, V–Belt, Kubota, 2.0l, Lpg	1
6	4045395	(011001–012999)	Spacer, Fan, Dsl [M20/T20]	1
7	4015635	(011001–012999)	Screw, Soc, M6 X 1.00 X 16, 12.9	4
8	4032038	(011001–012999)	Fan, Cooling, 14.1D, G Blade, 4 Bolt (Repl 1031566)	1
9	4041926	(011001–012999)	Nut, Hex, Lock, M8 X 1.25, Nl	1
10	4034137	(011001–012999)	Washer, Flat, 0.31, Std	1

Fig. 29 – Kubota Engine Muffler Group (S/N 011001–012999)



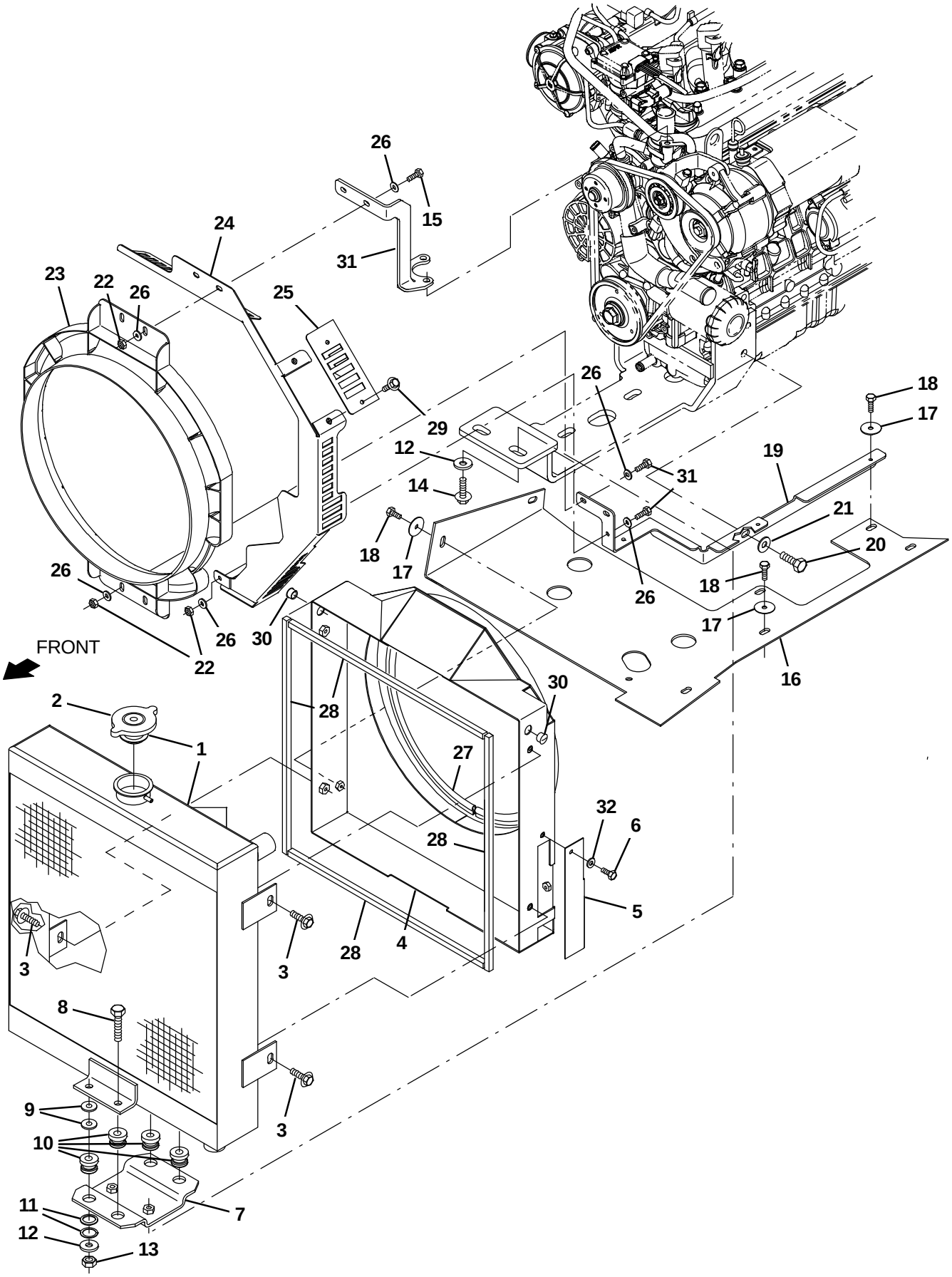
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Fig. 29 – Kubota Engine Muffler Group (S/N 011001–012999)

Ref.	Part No.	Serial Number	Description	Qty.
1	4031022	(011001–012999)	Channel, Shield, Muffler [M20/T20 2007]	1
2	4041931	(011001–012999)	Screw, Hex, M6 X 1.0 X 20, Ss	2
3	4034136	(011001–012999)	Washer, Flat, 0.25, Std	4
4	8046600	(011001–012999)	Pipe, Exhaust, Flex (Kubota)	1
5	4041627	(011001–012999)	Nut, Hex, Stover, M12 X 1.75	4
6	4186293	(011001–012999)	Sensor, O2, Kubota	1
7	80446568	(011001–012999)	Gasket, Exhaust, Cat, Kub, M20, 2–Hole	1
8	4041295	(011001–012999)	Screw, Hex, M12 X 1.75 X 45, 8.8	4
9	8046566	(011001–012999)	Muffler, Cat, Kubota, 1.6l, Lpg	1
10	8046601	(011001–012999)	Tube, Exhaust, Tailpipe [Kubota]	1
11	4209020	(011001–012999)	Bracket Wldt, Sppt, Muffler [Mako]	1
12	4034137	(011001–012999)	Washer, Flat, 0.31, Std	2
13	4041844	(011001–012999)	Screw, Hex, M8 x 1.25 x .20, 8.8	3
14	4037292	(011001–012999)	Isolator, Rbr	1
15	4040603	(011001–012999)	Sleeve, P/M, 0.31b 0.50d 0.9l [430ss]	2
16	4040607	(011001–012999)	Screw, Hex, M8 X 1.25 X 45, Ss	2
17	4042902	(011001–012999)	Washer, Flat, 0.38b 0.88d .08, Ss	2
18	4041929	(011001–012999)	Nut, Hex, Lock, M8 X 1.25, Nl, Ss	1
19	4016807	(011001–012999)	Screw, Hex, M6 X 1.00 X 20, 8.8	3
20	4034139	(011001–012999)	Washer, Flat, 0.56b 1.38d .11, Stl, Pl	1
21	4209021	(011001–012999)	Bracket, Sppt, Muffler [Mako]	1
22	4041625	(011001–012999)	Nut, Hex, Stover, M8	3
23	8046567	(011001–012999)	Gasket, Exhaust, Cat, Kub, M20	1
24	8002405	(011001–012999)	Gasket [Ku]	1
25	4019804	(011001–012999)	Screw, Soc, M8 X 1.25 X 25, 12.9	4

Fig. 30 – Kubota Engine Radiator and Mount Group (S/N 011001–012999)

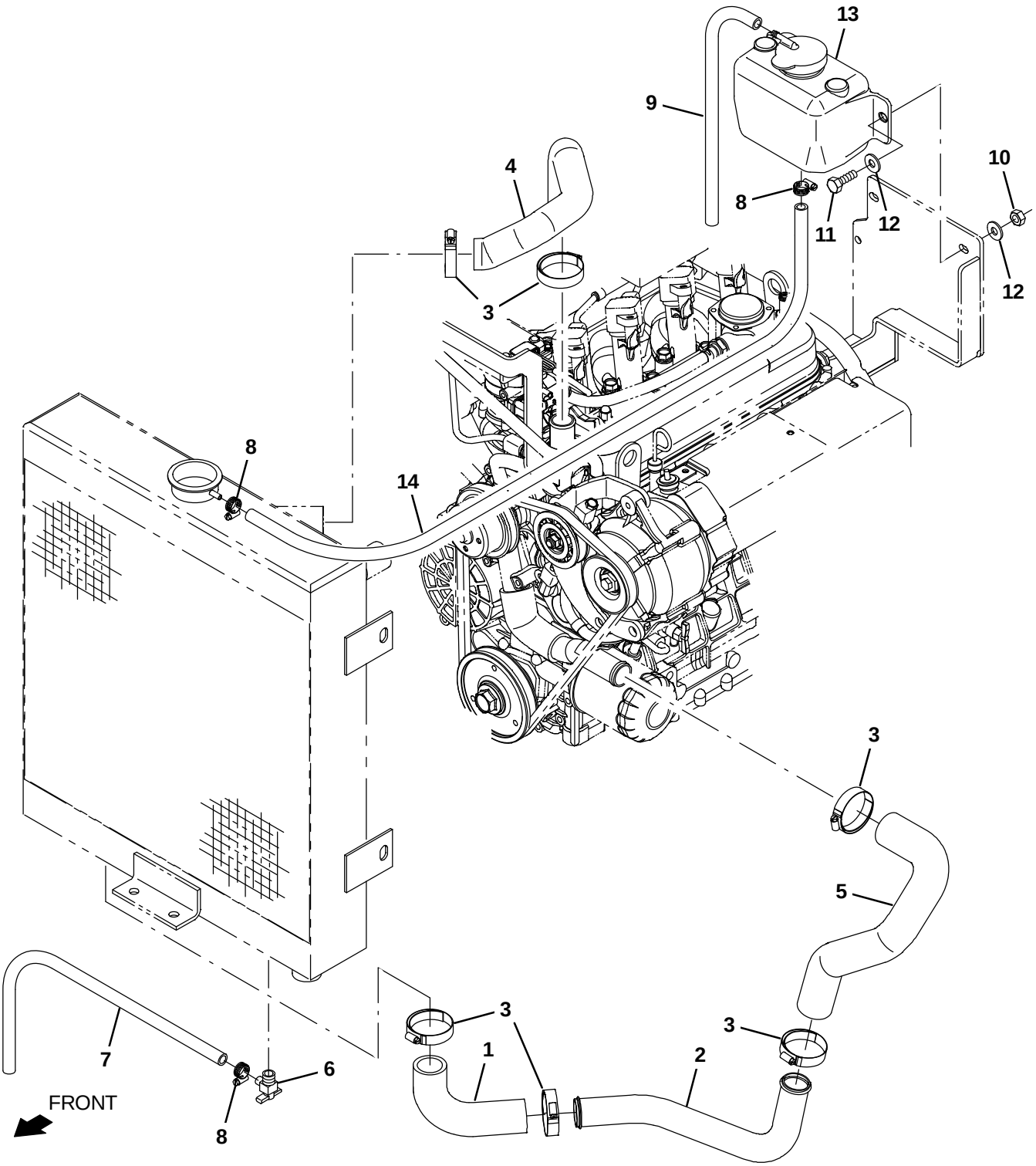


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Fig. 30 – Kubota Engine Radiator and Mount Group (S/N 011001–012999)

	Ref.	Part No.	Serial Number	Description	Qty.
▽	1	40314538	(011001–012999)	Radiator, W/Hyd Cooler [Afmkt]	1
▲	2	4029923	(011001–012999)	Cap, Radiator, 16Psi Sae 164	1
	3	4045640	(011001–012999)	Screw, Hex, M8 X 1.25 X 30, 9.8, Sems	4
	4	4189910	(011001–012999)	Shroud Wldt, Fan, Eng, Dsl	1
	5	4041270	(011001–012999)	Bracket, Cover	1
	6	4190181	(011001–012999)	Screw, Hex, M6 X 1.00 X 16, 8.8	3
	7	4190181	(011001–012999)	Bracket, Mtg, Radiator	1
	8	4041287	(011001–012999)	Screw, Hex, M10 X 1.50 X 45, 8.8	4
	9	4034138	(011001–012999)	Washer, Flat, 0.38, Std	8
	10	4015364	(011001–012999)	Isolator, Vib, Bshg, 1.1d 0.6l .4b 0.78h	4
	11	9832	(011001–012999)	Washer, Flat, 0.81b 1.06d .06, Stl	8
	12	4037922	(011001–012999)	Washer, Flat, 0.40b 1.12d .12, Ss	4
	13	4016826	(011001–012999)	Nut, Hex, Lock, M10 X 1.5, Nl	4
	14	4045641	(011001–012999)	Screw, Hex, M8 X 1.25 X 35, 9.8, Sems	2
	15	4041271	(011001–012999)	Screw, Hex, M6 X 1.00 X 20, 8.8	4
	16	4041022	(011001–012999)	Skirt, Fan, Eng, Dsl	1
	17	4016794	(011001–012999)	Washer, Flat, 0.25, Fendr	7
	18	4039863	(011001–012999)	Screw, Hex, M6 X 1.00 X 25, Fmg	7
	19	4209082	(011001–012999)	Bracket, Sppt, Skirt, M20	1
	20	4019758	(011001–012999)	Screw, Hex, M10x1.50x25, 8.8	2
	21	4034134	(011001–012999)	Washer, Flat, 0.38, Sae	2
	22	4041925	(011001–012999)	Nut, Hex, Lock, M6 X 1.00, Nl	5
	23	4038497	(011001–012999)	Shroud, Fan	1
	24	4209095	(011001–012999)	Guard Wldt, Fan, Side, Kubota, Mako	1
	25	4209096	(011001–012999)	Guard, Alternator [Mako, Kubota]	1
	26	4034133	(011001–012999)	Washer, Flat, 0.25, Sae	4
	27	4039684	(011001–012999)	Seal, Afmkt, Bulb, Str, 0.58d 08ft	1
	28	4038013	(011001–012999)	Seal, Afmkt, Ure, Adh, 0.38, 0.38w 02ft	4
	29	4045268	(011001–012999)	Screw, Hex, M6 X 1.00 X 16, Sems, Ss	2
	30	4043205	(011001–012999)	Plug, Hole, Rnd, 0.56h .03–.12, Blk Nyl	2
	31	8046603	(011001–012999)	Bracket, Shroud, Fan, Upper	1

Fig. 31 – Kubota Engine Radiator Hose Group (S/N 011001–012999)

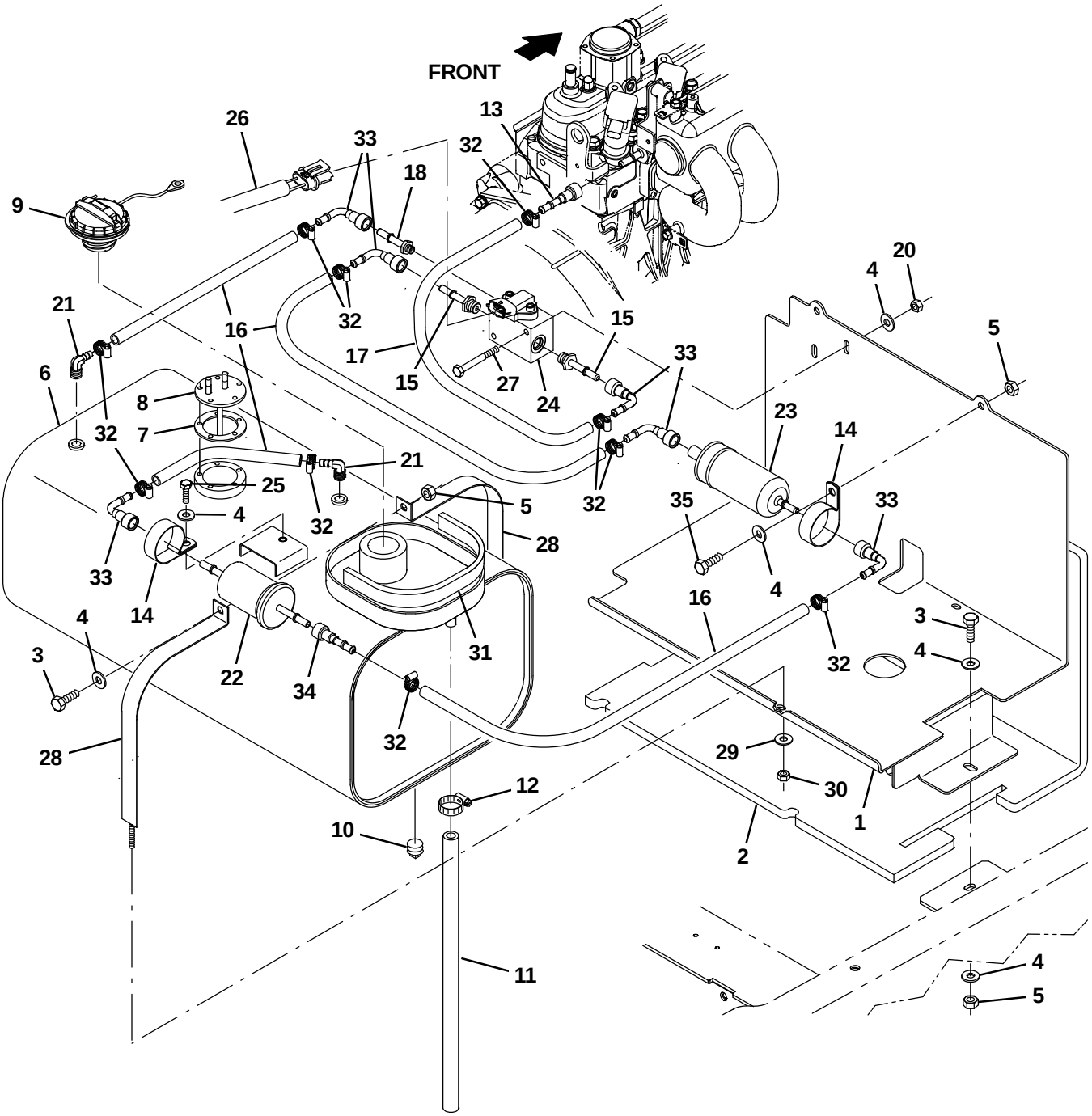


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Fig. 31 – Kubota Engine Radiator Hose Group (S/N 011001–012999)

Ref.	Part No.	Serial Number	Description	Qty.
1	4039550	(011001–012999)	Hose, Rbr, E90, 1.25id 1.25id 04.2 03.1	1
2	4191486	(011001–012999)	Tube, Radiator, Lower, Dsl [M30]	1
3	4026556	(011001–012999)	Clamp, Hose, Wormdrive, 1.25–2.00d, .50w	6
4	4030509	(011001–012999)	Hose, Radiator, Upper, Dsl	1
5	8046602	(011001–012999)	Hose, Coolant, Lower, Mako, Kub	1
6	4014543	(011001–012999)	Fitting, Draincock, E90, .25npt	1
7	4016344	(011001–012999)	Hose, Pvc, Clr, 0.38id 0.56od 022.0l	1
8	4017396	(011001–012999)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	3
9	4022521	(011001–012999)	Hose, Fuel, 0.18id, 29.0l	1
10	4041926	(011001–012999)	Nut, Hex, Lock, M8 X 1.25, Nl	2
11	4156940	(011001–012999)	Screw, Hex, M8 X 1.25 X 25, 8.8	2
12	4034137	(011001–012999)	Washer, Flat, 0.31, Std	2
13	4038493	(011001–012999)	Tank, Coolant, 03.6w 04.1hi 05.5l,1liter	1
14	4037950	(011001–012999)	Hose, Afmkt, Coolant Recvy, 05ft	1

Fig. 32 – Kubota Engine Fuel Tank Group, Gas (S/N 011001–012999)



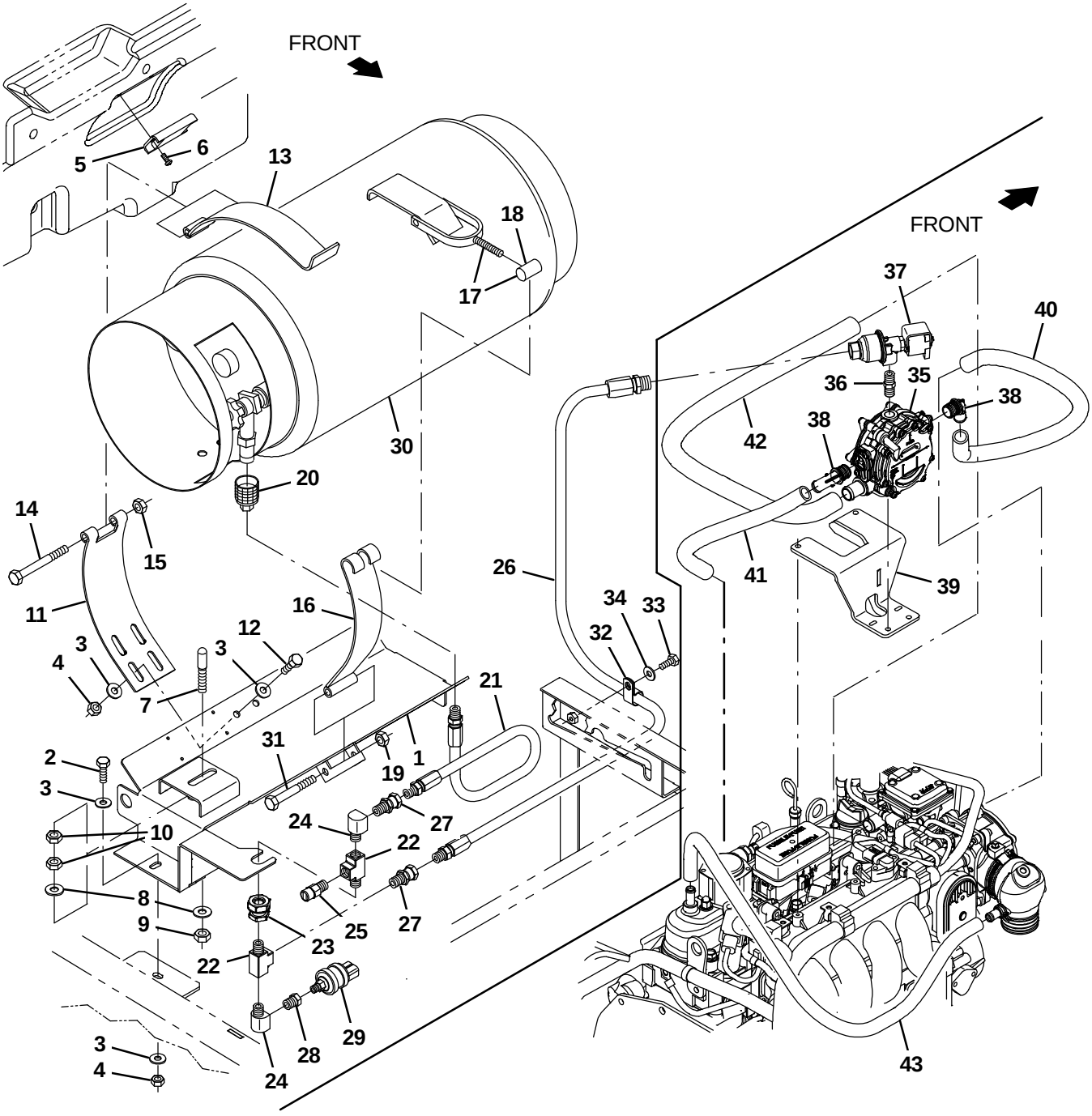
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Fig. 32 – Kubota Engine Fuel Tank Group, Gas (S/N 011001–012999)

	Ref.	Part No.	Serial Number	Description	Qty.
	1	4194105	(011001–012999)	Tray Wldt, Fuel	1
	2	4194130	(011001–012999)	Insulation, Flame–Retardant, 0.5	1
	3	4156940	(011001–012999)	Screw, Hex, M8 X 1.25 X 25, 8.8	3
	4	4034137	(011001–012999)	Washer, Flat, 0.31, Std	7
	5	4041926	(011001–012999)	Nut, Hex, Lock, M8 X 1.25, Nl	4
▽	6	4203095	(011001–012999)	Tank, Fuel, 11.2gal, Gas, Replmt [2007]	1
▲	7	8006208	(011001–012999)	Gasket, Sender, Fuel	1
▲	8	8006221	(011001–012999)	Send–Unit, Fuel [2007]	1
▲	9	8006207	(011001–012999)	Cap, Fuel, Tank	1
▲	10	4013933	(011001–012999)	Fitting, Pipe, Plug, Pm02, Sq Head	1
	11	4033269	(011001–012999)	Hose, Fuel, 0.50id, 21.0l	1
	12	4015366	(011001–012999)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	1
	13	4037296	(011001–012999)	Fitting, Fuel, Str, M10x1.0	1
	14	4036932	(011001–012999)	Clamp, Cable, Stl, 2.00d X 0.75w, 1hole	2
	15	8047407	(011001–012999)	Fitting, Fuel, Str, 0.56–18 [07 Eng]	2
	16	4045069	(011001–012999)	Hose, Fuel, 0.31id [Evap Emission 07]	4
	17	4209331	(011001–012999)	Hose, Fuel, 0.31Id, Service	1
	18	8005499	(011001–012999)	Fitting, Fuel, Str, 0.38–24 [07 Eng]	1
	19	4041281	(011001–012999)	Screw, Hex, M8 X 1.25 X 45, 8.8	1
	20	4041925	(011001–012999)	Nut, Hex, Lock, M6 X 1.00, Nl	2
	21	4019173	(011001–012999)	Fitting, Brs, E90, Em05/Pm04	2
	22	8005188	(011001–012999)	Filter, Fuel	1
	23	8005962	(011001–012999)	Pump, Fuel, High Prdd	1
	24	8005437	(011001–012999)	Manifold, Gas, Relief, Valve	1
	25	4041844	(011001–012999)	Screw, Hex, M8 X 1.25 X 20, 8.8	1
	26	8044978	(011001–012999)	Harness, Manifold, Gas	1
	27	4041277	(011001–012999)	Screw, Hex, M6 X 1.0 X 50, 8.8	2
	28	4193651	(011001–012999)	Strap, Tank, Gas	2
	29	4034133	(011001–012999)	Washer, Flat, 0.25, Sae	2
	30	4034654	(011001–012999)	Nut, Hex, Lock, .25–20, Nl	2
	31	4218342	(011001–012999)	Molding, Trim, Pvc, .08–.11 13.2l	1
	32	4017396	(011001–012999)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	10
	33	4036222	(011001–012999)	Connector, Fuel, E90, Qf	5
	34	4037296	(011001–012999)	Connector, Fuel, Qf	1

Fig. 33 – Kubota Engine Fuel Tank Group, LPG (S/N 011001–012999)



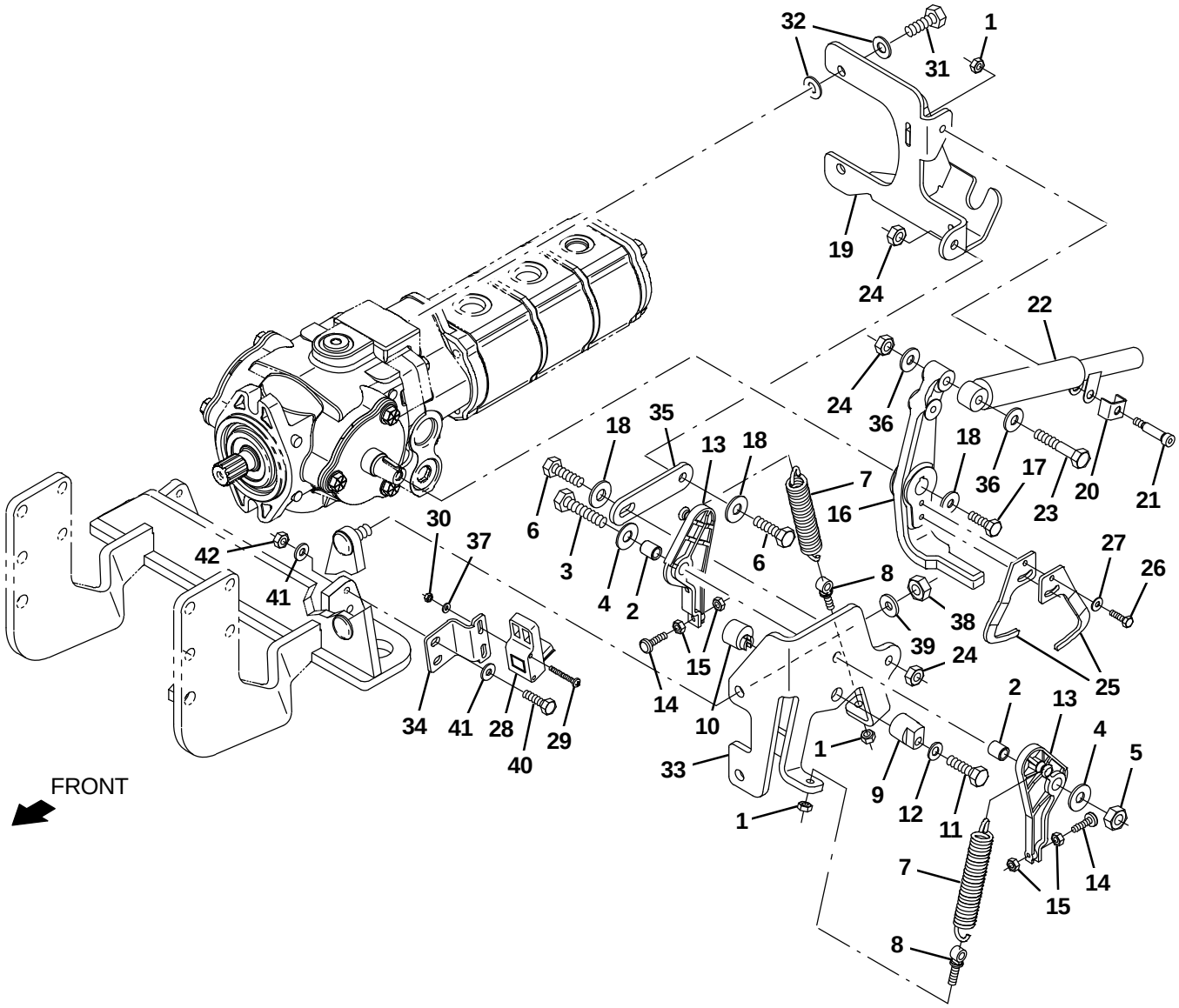
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354635 – M30

Fig. 33 – Kubota Engine Fuel Tank Group, LPG (S/N 011001–012999)

	Ref.	Part No.	Serial Number	Description	Qty.
	1	4035518	(011001–012999)	Tray Wldt, Lpg	1
	2	4156940	(011001–012999)	Screw, Hex, M8 X 1.25 X 30, 9.8, Sems	2
	3	4034137	(011001–012999)	Washer, Flat, 0.31, Std	4
	4	4041926	(011001–012999)	Nut, Hex, Lock, M8 X 1.25, Nl	4
	5	4017052	(011001–012999)	Magnet, Drive Brush	1
	6	4041965	(011001–012999)	Screw, Pan, M5 X 0.8 X 12, Ss	2
	7	4033855	(011001–012999)	Pin, Locating, Lpg	1
	8	4034138	(011001–012999)	Washer, Flat, 0.38, Std	2
	9	4016826	(011001–012999)	Nut, Hex, Lock, M10 X 1.5, Nl	1
	10	4034476	(011001–012999)	Nut, Hex, Jam, M10 X 1.5, Ss	2
	11	4029786	(011001–012999)	Strap, Mtg, Tank, Lpg	1
	12	4041844	(011001–012999)	Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	2
	13	4029300	(011001–012999)	Strap, Mtg, Tank, Lpg, Hinge	1
	14	4031662	(011001–012999)	Screw, Hex, .38–16 X 3.75, G5	1
	15	4026793	(011001–012999)	Nut, Hex, Lock, .38–16, Nl, Ss	1
	16	4029787	(011001–012999)	Strap, Mtg, Tank, Lpg	1
▽	17	4015025	(011001–012999)	Latch Assy, Mtg, Tank, Lpg, W/Nut	1
▲	18	4015026	(011001–012999)	Nut, Adj, Mtg, Tank, Lpg	1
	19	4028758	(011001–012999)	Nut, Hex, Lock, .38–16, Nl, Thin	1
	20	4035691	(011001–012999)	Fitting, Brs, Qdc, Pf04, Lpg Fem	1
	21	4037354	(011001–012999)	Hose, Lpg, Med05, Pm04str/Sm04str, 014.0	1
	22	4041151	(011001–012999)	Fitting, Brs, Tee, Pf04/Pf04/Pm04, Run	2
	23	4026127	(011001–012999)	Fitting, Brs, Str, Pf04/Pf04, Bh	1
	24	4035699	(011001–012999)	Fitting, Brs, E90, Pf04/Pm04	2
	25	4035364	(011001–012999)	Valve, Lpg, Press Relief [Rego]	1
	26	4042556	(011001–012999)	Hose, Lpg, Med05, Pm04str/Sm04str, 055.0	1
	27	42232409	(011001–012999)	Fitting, Pipe, Str, Pm04/Sf04	2
	28	4041876	(011001–012999)	Fitting, Hyd, Str, Pf02/Pm04	1
	29	4035027	(011001–012999)	Switch, Press, 12vdc 08a Spst Nc 0070psi	1
	30	4035401	(011001–012999)	Tank, Lpg, 33lb, W/ Gauge [Empty, Liq]	1
	31	4031659	(011001–012999)	Screw, Hex, .38–16 X 3.00, 5	1
	32	4017933	(011001–012999)	Clamp, Cable, Stl, 0.69d X 0.62w, 1hole	1
	33	4041270	(011001–012999)	Screw, Hex, M6 X 1.00 X 16, 8.8	1
	34	4034133	(011001–012999)	Washer, Flat, 0.25, Sae	1
	35	8046578	(011001–012999)	Assy, Regulator, Lpg, M20, Kub (Kubota)	1
	36	4016530	(011001–012999)	Fitting, Brs, Str, Pm04/Pm04 (Kubota)	1
	37	8046576	(011001–012999)	Valve, Lock–Off, Kub, Lpg (Kubota)	1
	38	8046577	(011001–012999)	Connector, Vaporizer (Kubota)	2
	39	8046604	(011001–012999)	Bracket Wldt, Mtg, Vaporizer (Kubota)	1
	40	8046579	(011001–012999)	Hose, Vaporizer, 5/8” Id X 14.5” Length (Kubota)	1
	41	8046579	(011001–012999)	Hose, Vaporizer, 5/8” Id X 30” Length (Kubota)	1
	42	8046583	(011001–012999)	Hose, Lp Vapor, 3/4” Id X 21.25” Length (Kubota)	1
	43	4027047	(011001–012999)	Hose, Breather, Crankcase, Kub, 1.6l (Kubota)	1

Fig. 34 – Kubota Hydraulic Pump Linkage Group (S/N 011001–012999)

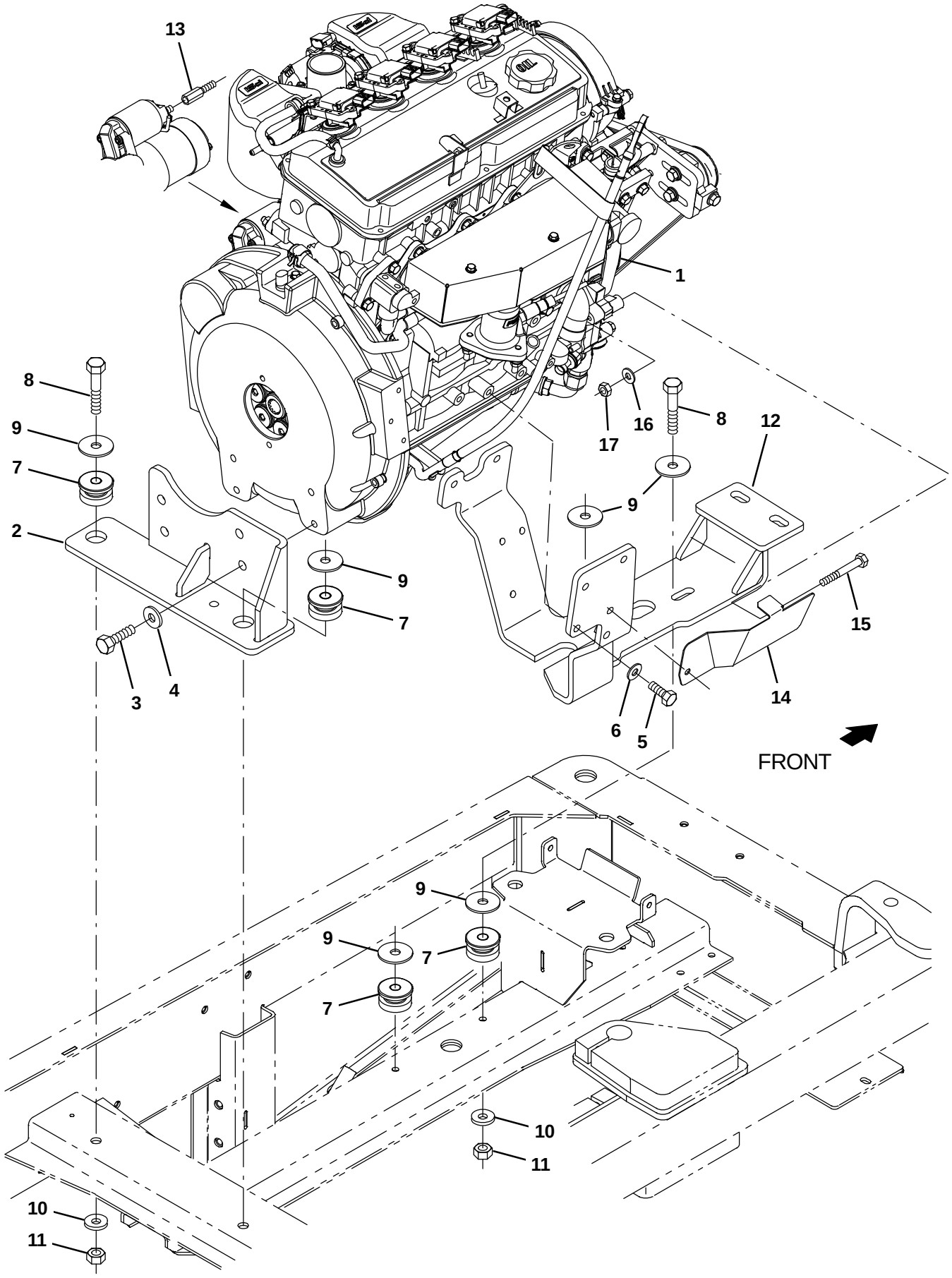


357239 – G/LP

Fig. 34 – Kubota Hydraulic Pump Linkage Group (S/N 011001–012999)

Ref.	Part No.	Serial Number	Description	Qty.
1	4013573	(011001–012999)	Nut, Hex, Lock, .25–20, Nl	2
2	4021145	(011001–012999)	Tube, 00.50d 00.38b 00.6l Stl	2
3	4200713	(011001–012999)	Screw, Hex, .38–16 X 2.25, G5	1
4	4034138	(011001–012999)	Washer, Flat, 0.38 Std	2
5	4028758	(011001–012999)	Nut, Hex, Lock, .38–16, Nl, Thin	1
6	4156940	(011001–012999)	Screw, Hex, M8 X 1.25 X 25, 8.8	5
7	4043395	(011001–012999)	Spring, Extn, 0.75od X 0.12wir, 4.3l	2
8	4013918	(011001–012999)	Bolt, Eye, .25–20 X 1.40 X .25 Eye	1
9	4015051	(011001–012999)	Cam, Centering, Pintle	1
10	4028669	(011001–012999)	Cam, Centering, Pintle	1
11	4012778	(011001–012999)	Screw, Hex, M8 X 1.25 X 40, Ss, Nl	1
12	4015595	(011001–012999)	Washer, Flat, 0.31 Sae	1
13	4015053	(011001–012999)	Arm, Cntrl, Pintle, Centering	2
14	4015362	(011001–012999)	Bumper, Rbr, 0.5d 0.16t M5 X 08	2
15	4014211	(011001–012999)	Nut, Hex, Std, M5 X 0.8, 8	4
16	4194159	(011001–012999)	Arm, Pintle	1
17	4021295	(011001–012999)	Screw, Hex, .31–24 X 0.75, Nl	1
18	4016796	(011001–012999)	Washer, Belleville, .31	6
19	4194159	(011001–012999)	Bracket Wldt, Propel, Pintle	1
20	4021318	(011001–012999)	Bracket, Retainer, Safety	1
21	4041517	(011001–012999)	Bolt, Shld, .31d X 1.00, .25–20	1
22	4016337	(011001–012999)	Shock Absorber, 2.3 Strk	1
23	4019753	(011001–012999)	Screw, Hex, M8 X 1.25 X 50, 8.8	1
24	4041926	(011001–012999)	Nut, Hex, Lock, M8 X 1.25, Nl	3
25	4033213	(011001–012999)	Arm [Positioning]	2
26	4041970	(011001–012999)	Screw, Hex, M5 X 0.8 X 20, 8.8	2
27	4042888	(011001–012999)	Washer, Flat, #10 Ss	2
28	4033212	(011001–012999)	Sensor, Spd / Dir, 6–30vdc	1
29	4041964	(011001–012999)	Screw, Pan, M4 X 0.7 X 35, Ss	2
30	4031247	(011001–012999)	Nut, Hex, Lock, M4 X 0.7, Nl, Ss	2
31	4013460	(011001–012999)	Screw, Hex, .38–16 X 1.25, Nl	2
32	4034134	(011001–012999)	Washer, Flat, 0.38 Sae	4
33	4194319	(011001–012999)	Bracket, Propel, Dsl	1
34	4194321	(011001–012999)	Bracket, Mtg, Sensor	1
35	4192517	(011001–012999)	Strap, Sppt	1
36	4034136	(011001–012999)	Washer, Flat, 0.25 Std	1
37	4042243	(011001–012999)	Washer, Flat, 0.19b 0.44d .05, Pl, 08	2
38	4016826	(011001–012999)	Nut, Hex, Lock, M10 X 1.5, Nl	2
39	4016798	(011001–012999)	Screw, Hex, 06–20 X 0.38, Fmg/Ab, Pl	2
40	4200516	(011001–012999)	Screw, Hex, M6 X 1.00 X 25, 8.8	2
41	4034133	(011001–012999)	Washer, Flat, 0.25, Sae	2
42	4041925	(011001–012999)	Nut, Hex, Lock, M8 X 1.25, Nl	2

Fig. 35 – PSI Engine and Mount Group, Gas (S/N 013000–)

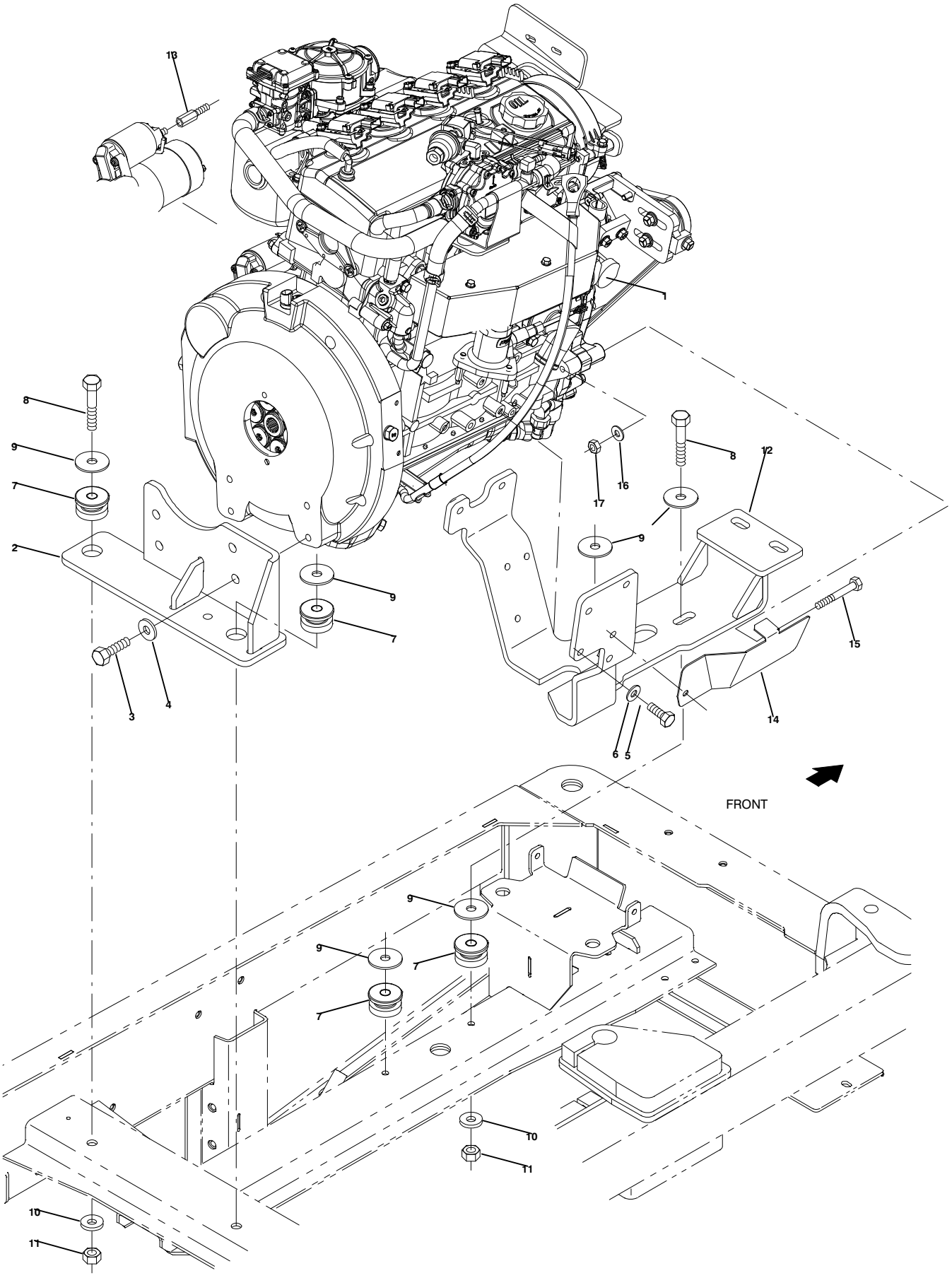


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Fig. 35 – PSI Engine and Mount Group, Gas (S/N 013000–)

	Ref.	Part No.	Serial Number	Description	Qty.
▽	1	4208268	(013000–)	Engine, Gas, 2.0l, Dressed [Psi, Mako]	1
▲		8002631	(013000–)	Element, Fltr, Oil, Spin–On (Mits)	1
	2	4030335	(013000–)	Bracket Wldt, Mtg, Eng, Rear [Mit 2013]	1
	3	4016809	(013000–)	Screw, Hex, M12 X 1.75 X 30, 8.8	4
	4	4034135	(013000–)	Washer, Flat, 0.50 Sae	4
	5	4041580	(013000–)	Screw, Hex, M10 X 1.25 X 25, 8.8	6
	6	342492	(013000–)	Washer, Flat, 0.38 Std	6
	7	4014538	(013000–)	Isolator, Vib, .50d	4
	8	4041297	(013000–)	Screw, Hex, M12 X 1.75 X 60, 8.8	4
	9	4040927	(013000–)	Washer, Flat, 0.53b 1.88d .12, Stl, Pl	4
	10	4034139	(013000–)	Washer, Flat, 0.50 Std	3
	11	4041927	(013000–)	Nut, Hex, Lock, M12 X 1.75,Nl	3
	12	4207513	(013000–)	Brkt Wldt, Mtg, Frt, Engine [Psi Mako]	1
	13	4180344	(013000–)	Stand–Off, Hex, M8 X M8, Metal	1
	14	4212835	(013000–)	Plate, Guard, Hose, Hyd, Steering	1
	15	4019755	(013000–)	Screw, Hex, M8 X 1.25 X 90, 8.8	1
	16	4034137	(013000–)	Washer, Flat, 0.31, Std	1
	17	4041926	(013000–)	Nut, Hex, Lock, M8 X 1.25, Nl	1

Fig. 36 – PSI Engine and Mount Group, LPG (S/N 013000–)

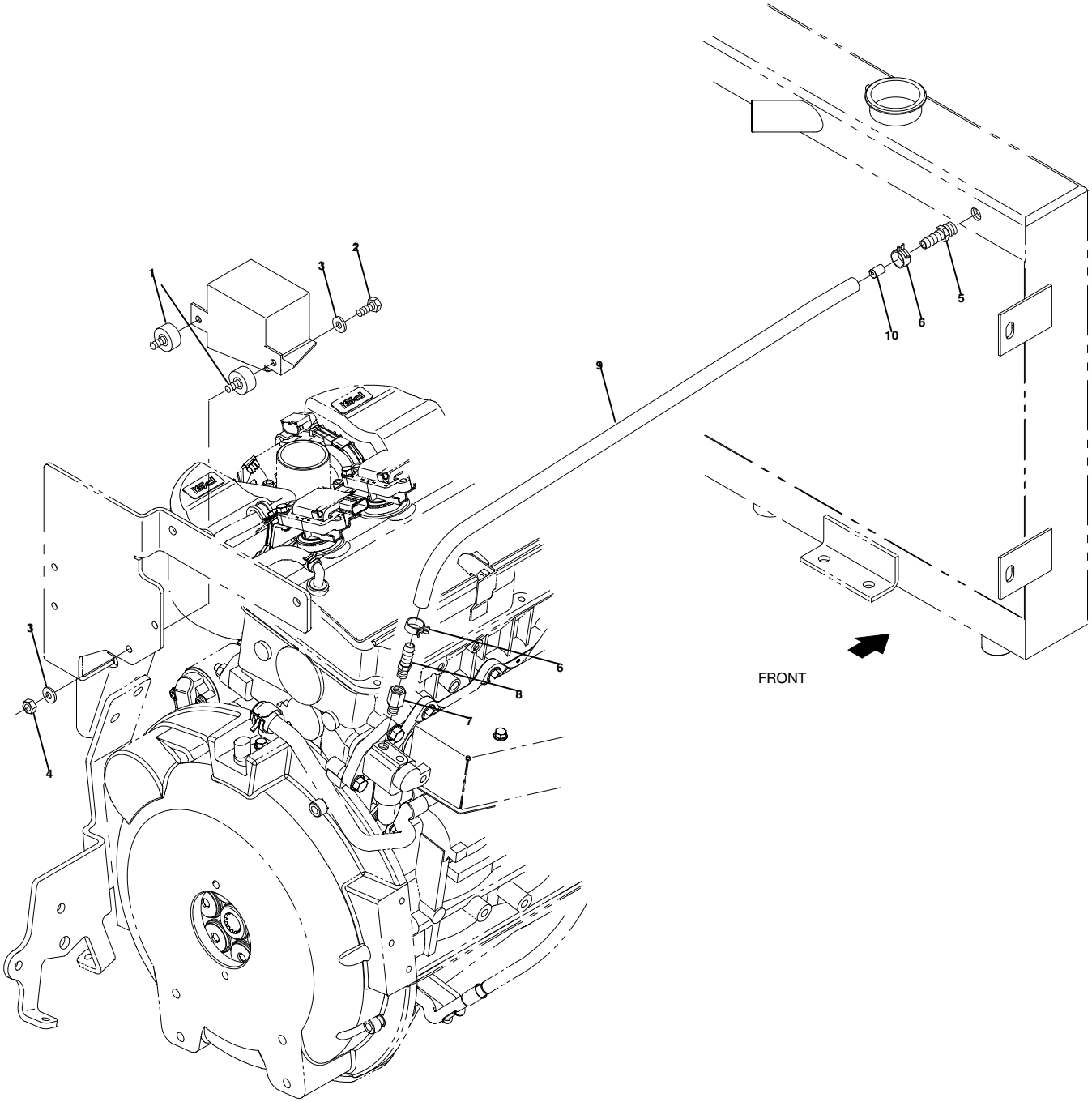


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Fig. 36 – PSI Engine and Mount Group, LPG (S/N 013000–)

Ref.	Part No.	Serial Number	Description	Qty.
1	4207512	(013000–)	Engine, Block, Long [Mits 12mm] (See Engine Breakdown)	1
	8002631	(013000–)	Element, Fltr, Oil, Spin–On (Mits)	1
2	4030335	(013000–)	Bracket Wldt, Mtg, Eng, Rear [Mit 2013]	1
3	41436	(013000–)	Screw, Hex, M12 X 1.75 X 30, 8.8	4
4	4034135	(013000–)	Washer, Flat, 0.50 Sae	4
5	4041580	(013000–)	Screw, Hex, M10 X 1.25 X 25, 8.8	6
6	4034138	(013000–)	Washer, Flat, 0.38 Std	6
7	4014538	(013000–)	Isolator, Vib, .50d	4
8	4041297	(013000–)	Screw, Hex, M12 X 1.75 X 60, 8.8	4
9	4040927	(013000–)	Washer, Flat, 0.53b 1.88d .12, Stl, Pl	4
10	4034139	(013000–)	Washer, Flat, 0.50 Std	3
11	4041927	(013000–)	Nut, Hex, Lock, M12 X 1.75,Nl	3
12	4207513	(013000–)	Brkt Wldt, Mtg, Frt, Engine [Psi Mako]	1
13	4180344	(013000–)	Stand–Off, Hex, M8 X M8, Metal	1
14	4209004	(013000–)	Plate, Guard, Hose, Hyd, Steering	1
15	4019755	(013000–)	Screw, Hex, M8 X 1.25 X 90, 8.8	1
16	4034137	(013000–)	Washer, Flat, 0.31, Std	1
17	4041926	(013000–)	Nut, Hex, Lock, M8 X 1.25, Nl	1

Fig. 37 – PSI Engine EFI Group, Gas (S/N 013000–)

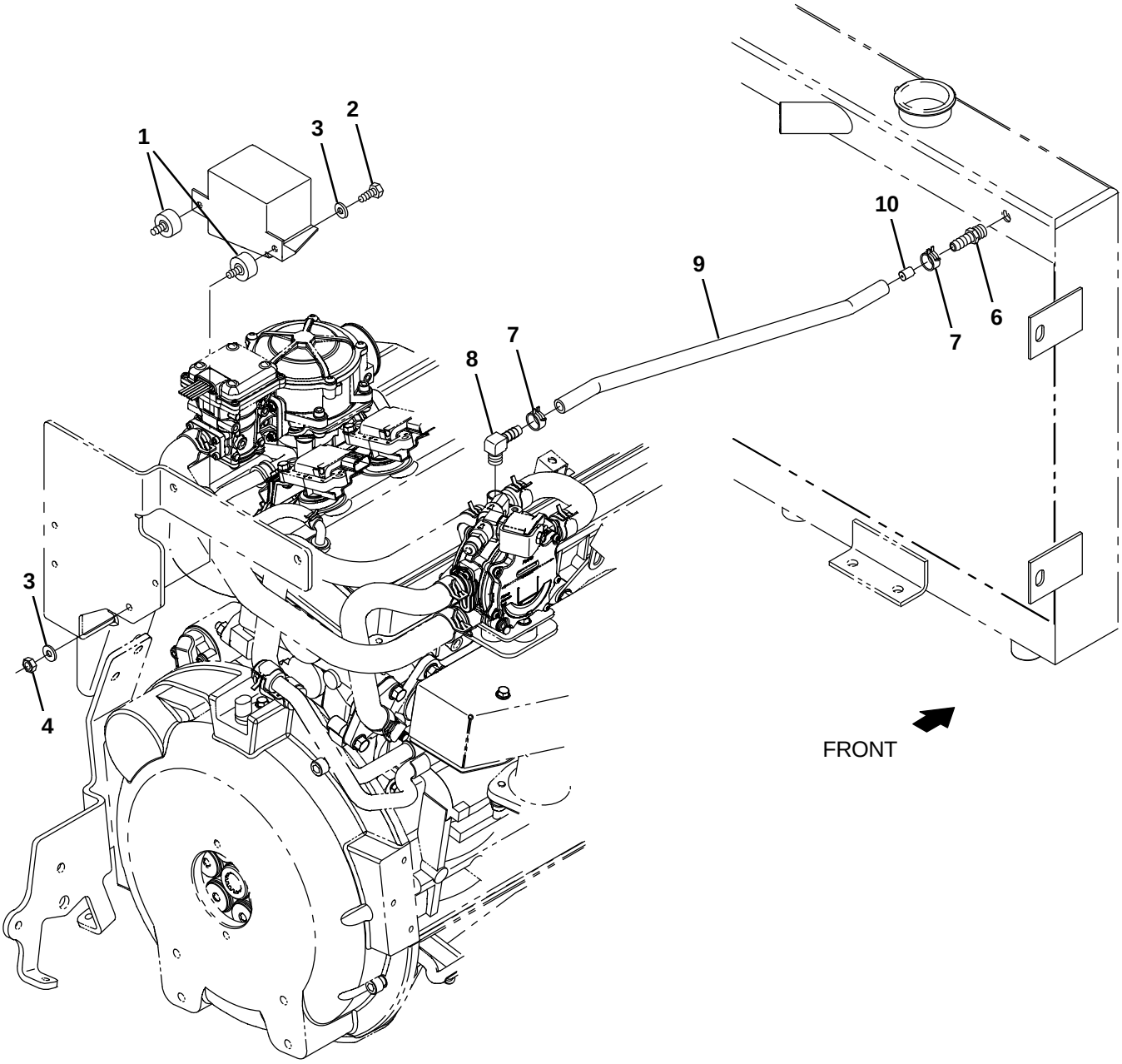


357366

Fig. 13 – PSI Engine EFI Group, Gas (S/N 013000–)

Ref.	Part No.	Serial Number	Description	Qty.
1	372470	(016000–)	Isolator, Box, Relay	2
2	19315	(016000–)	Screw, Hex, .25–20 X 0.50, G5	2
3	32490	(016000–)	Washer, Flat, 0.25, Std	4
4	19312	(016000–)	Nut, Hex, Std, .25–20	2
5	150516	(016000–)	Fitting, Brs, Str, Bm06/Pm04	1
6	1072559	(016000–)	Clamp, Hose, Spring Stl, 0.58d X 0.31w	2
7	1071502	(016000–)	Fitting, Brs, Str, Pf02/Pm02 [Bspt]	1
8	1055552	(016000–)	Fitting, Brs, Str, Bm06/Pm02	1
9	1072408	(016000–)	Hose, Afmkt, Rbr, Heater, 0.38id, 03ft	1
10	1265088	(016000–)	Fitting, Brass, Rst, .125”	1

Fig. 38 – PSI Engine EFI Group, LPG (S/N 013000–)

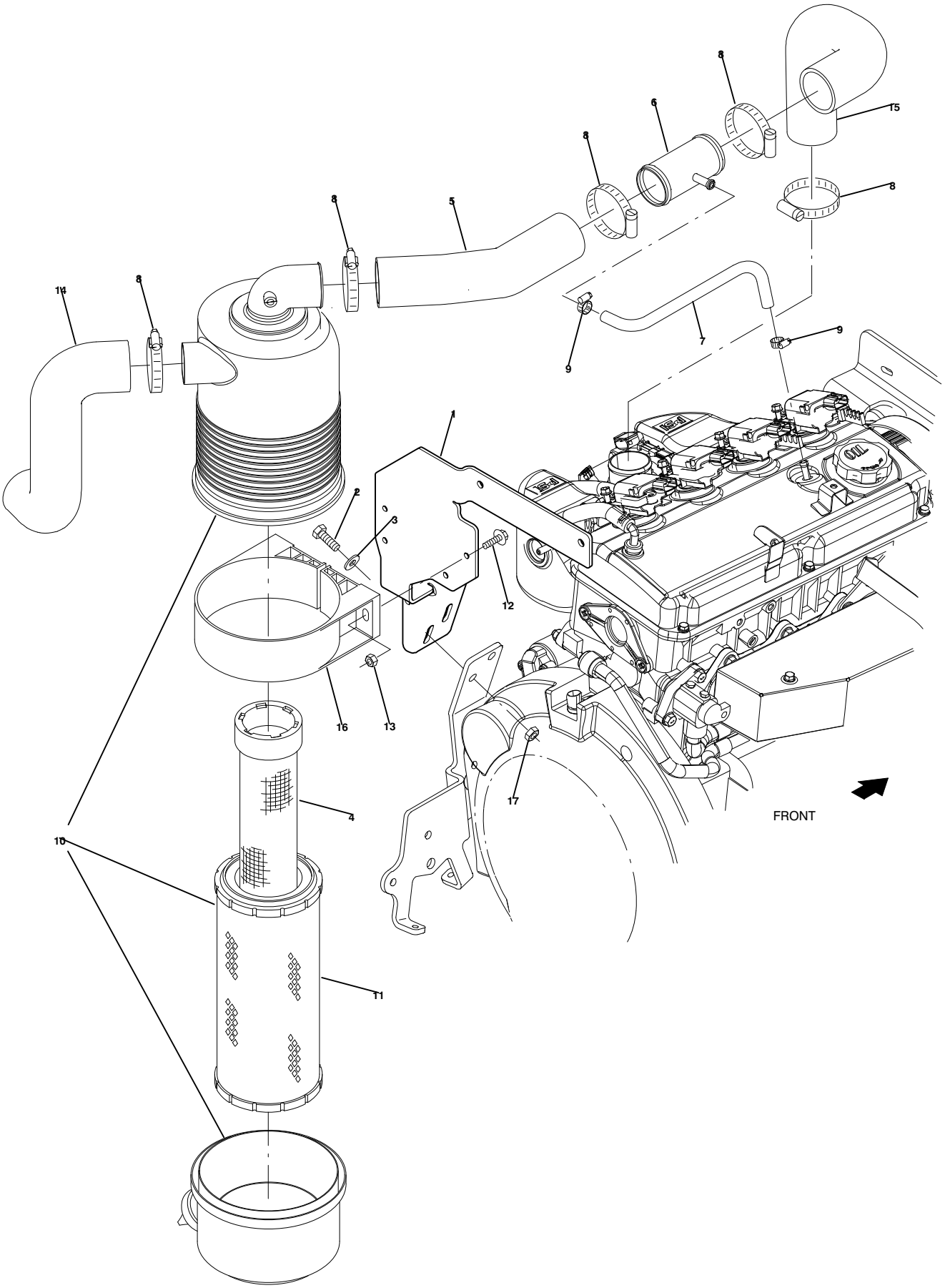


356294

Fig. 14 – PSI Engine EFI Group, LPG (S/N 013000–)

Ref.	Part No.	Serial Number	Description	Qty.
1	372470	(016000–)	Isolator, Box, Relay	2
2	19315	(016000–)	Screw, Hex, .25–20 X 0.50, G5	2
3	32490	(016000–)	Washer, Flat, 0.25, Std	4
4	19312	(016000–)	Nut, Hex, Std, .25–20	2
5	150516	016000–)	Fitting, Brs, Str, Bm06/Pm04	1
6	1072559	(016000–)	Clamp, Hose, Spring Stl, 0.58d X 0.31w	2
7	1015815	(016000–)	Fitting, Brs, E90, Bm06/Pm04	1
8	1072408	(016000–)	Hose, Afmkt, Rbr, Heater, 0.38id, 03ft	1
9	1265088	(016000–)	Fitting, Brass, Rst, .125”	1

Fig. 39 – PSI Engine Air Cleaner Group, Gas (S/N 013000–)

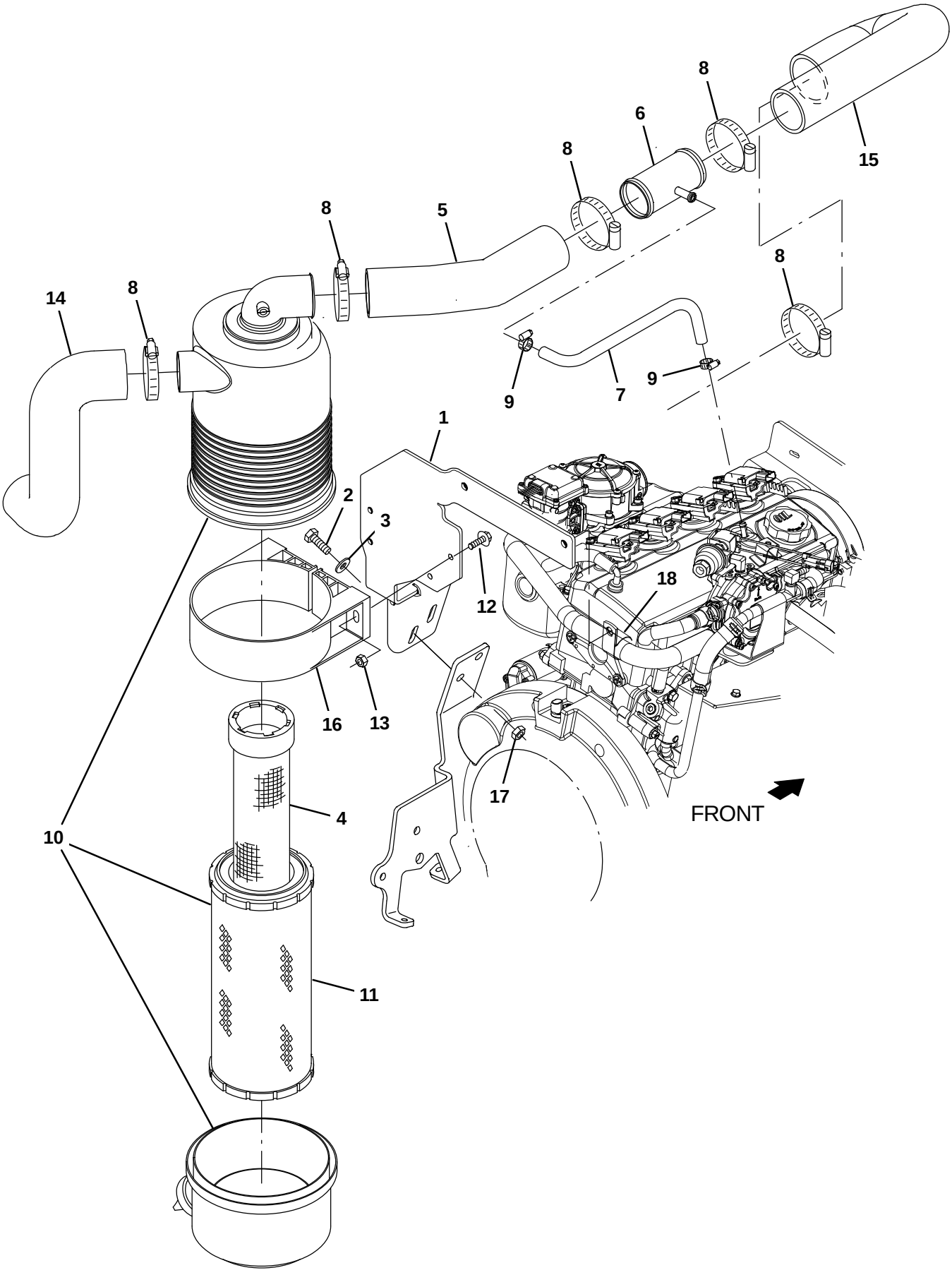


357285 – M20, T20, NA

Fig. 39 – PSI Engine Air Cleaner Group, Gas (S/N 013000–)

	Ref.	Part No.	Serial Number	Description	Qty.
	1	4208257	(013000–)	Bracket, Mtg, Fltr, Air [Mit 2013]	1
	2	4156940	(013000–)	Screw, Hex, M8 X 1.25 X 25, 8.8	2
	3	4034137	(013000–)	Washer, Flat, 0.31, Std	2
	4	8002697	(013000–)	Element, Fltr, Air, Safety (OPTION)	1
	5	4182540	(013000–)	Hose, Intake, Mold [Epdm Mit 2013]	1
	6	4182561	(013000–)	Tube Wldt, Tee [Mit 2013]	1
	7	4027047	(013000–)	Hose, Drain,Overflow,Radiator[1pick=1ft]	1
	8	4044328	(013000–)	Clamp, Hose, Wormdrive, 1.81–2.75d, .50w	5
	9	4015366	(013000–)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	2
▽	10	4032296	(013000–)	Filter Assy, Air	1
▲	11	8005623	(013000–)	Element, Fltr, Air [Dn]	1
	12	4045568	(013000–)	Screw, Hex, M6 X 1.00 X 25, 9.8 Sems	2
	13	4041925	(013000–)	Nut, Hex, Lock, M6 X 1.00, Nl	2
	14	4209004	(013000–)	Hose, Intake, Mold, 2.00id [Epdm]	1
	15	4182993	(013000–)	Hose, Intake, Mold, Gas [Epdm Mit 2013]	1
	16	4032297	(013000–)	Clamp, Mtg, Fltr, Air	1
	17	4041926	(013000–)	Nut, Hex, Lock, M8 X 1.25, Nl	2

Fig. 40 – PSI Engine Air Cleaner Group, LPG (S/N 013000–)

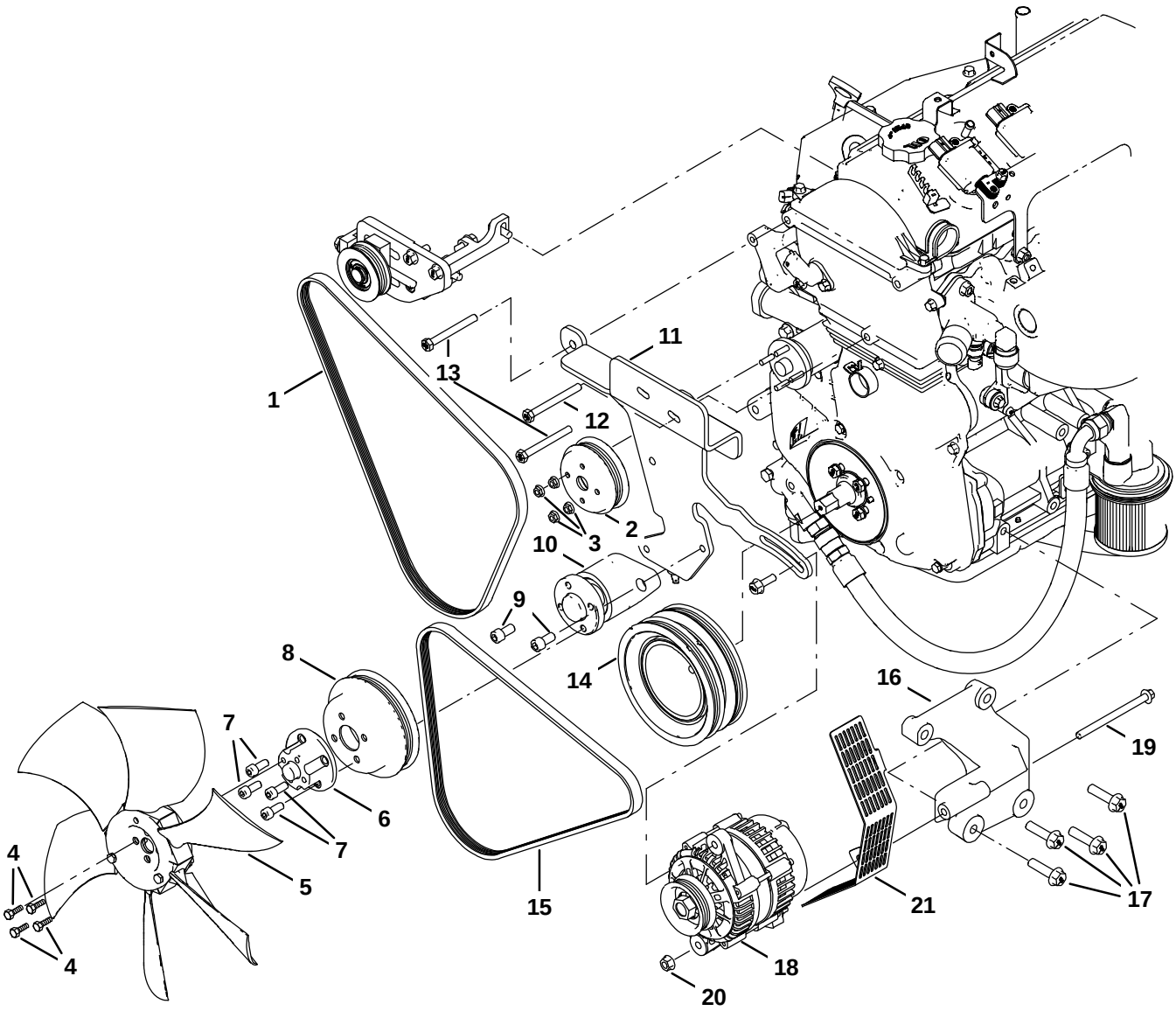


357286 – M20, T20, NA

Fig. 40 – PSI Engine Air Cleaner Group, LPG (S/N 013000–)

	Ref.	Part No.	Serial Number	Description	Qty.
	1	4208257	(013000–)	Bracket, Mtg, Fltr, Air [Psi]	1
	2	4156940	(013000–)	Screw, Hex, M8 X 1.25 X 25, 8.8	2
	3	4024137	(013000–)	Washer, Flat, 0.31, Std	2
	4	8002697	(013000–)	Element, Fltr, Air, Safety (OPTION)	1
	5	4182540	(013000–)	Hose, Intake, Mold [Epdm Mit 2013]	1
	6	4182561	(013000–)	Tube Wldt, Tee [Mit 2013]	1
	7	4027047	(013000–)	Hose, Drain,Overflow,Radiator[1pick=1ft]	1
	8	4044328	(013000–)	Clamp, Hose, Wormdrive, 1.81–2.75d, .50w	5
	9	4015366	(013000–)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	2
▽	10	4032296	(013000–)	Filter Assy, Air	1
▲	11	8005623	(013000–)	Element, Fltr, Air [Dn]	1
	12	4045568	(013000–)	Screw, Hex, M6 X 1.00 X 25, 9.8 Sems	2
	13	4041925	(013000–)	Nut, Hex, Lock, M6 X 1.00, Nl	2
	14	4036284	(013000–)	Hose, Intake, Mold, 2.00id [Epdm]	1
	15	4182539	(013000–)	Hose, Intake, Mold, Lpg [Epdm Mit2013]	1
	16	4032297	(013000–)	Clamp, Mtg, Fltr, Air	1
	17	4041926	(013000–)	Nut, Hex, Lock, M8 X 1.25, Nl	2
	18	4018310	(013000–)	Clamp, Cable, Stl, 1.00d X 0.75w, 1hole	1

Fig. 41 – PSI Engine Alternator and Fan Group (S/N 013000–)



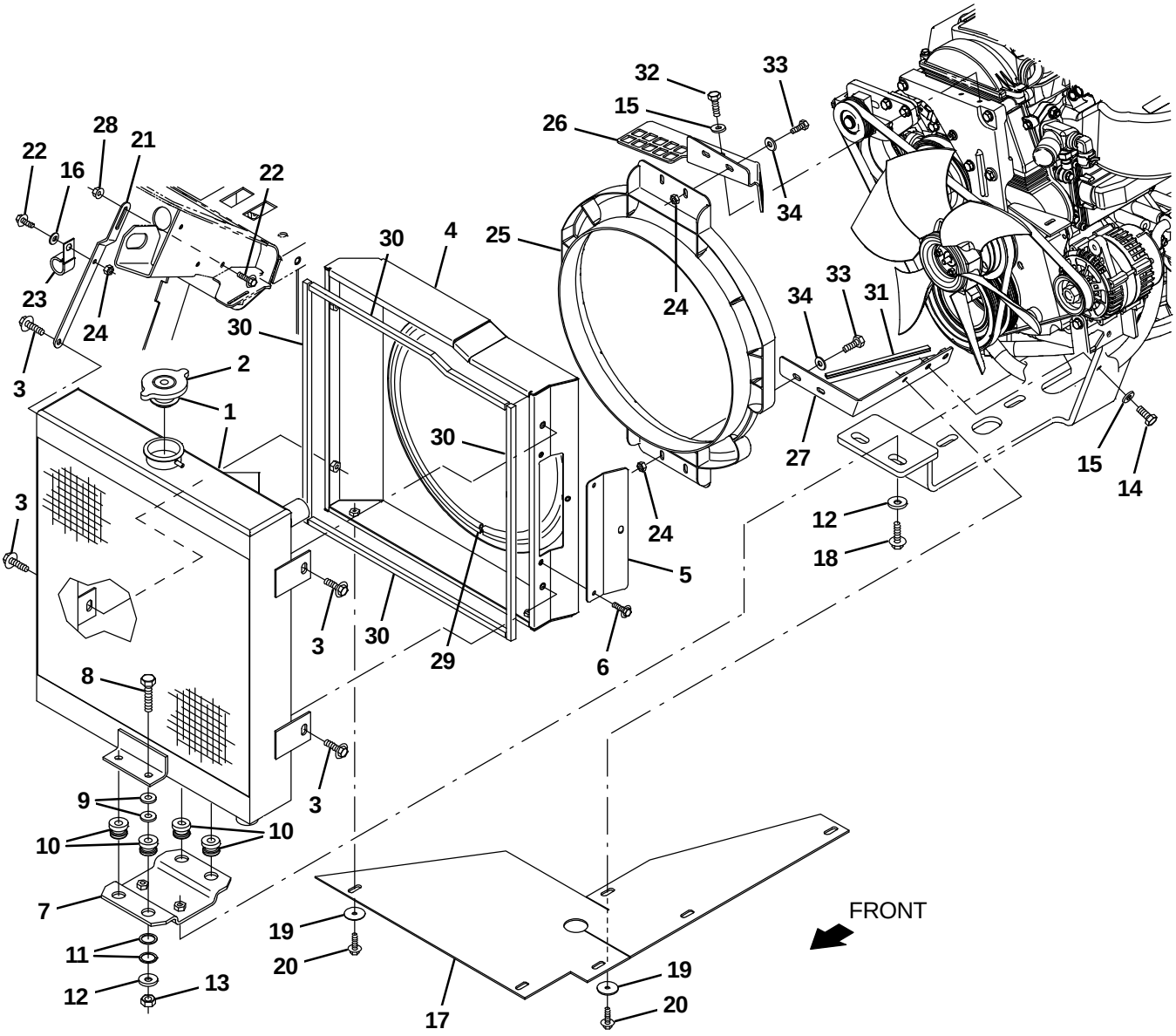
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Fig. 41 – PSI Engine Alternator and Fan Group (S/N 013000–)

Ref.	Part No.	Serial Number	Description	Qty.
1	4238302	(013000–)	VR, Belt, 4–RIB, 1090MM	1
2	4238303	(013000–)	Pulley, Water Pump, PSI	1
3	8048120	(013000–)	Nut, Flange	4
4	374174	(013000–)	Screw, SOC, M8 X 1.25 X 25, 12.9	4
5	4207904	(013000–)	Fan, Cooling, 14.1D, 6 Blade, 4–Bolt	1
6	4238304	(013000–)	Space, Fan, PSI	1
7	4014170	(013000–)	Screw, SOC, M8 X 1.25 X 16, 12.9	4
8	4238305	(013000–)	Pulley, Fan, PSI	1
9	4043111	(013000–)	Screw, SOC, .38–16 X 0.75, AL	2
10	4238306	(013000–)	ASM, Drive, Fan, PSI	1
11	4238307	(013000–)	Brkt, Fan, PSI	1
12	4041283	(013000–)	Screw, Hex, M8 X 1.25 X 80, 8.8	1
13	4238308	(013000–)	Bolt, HXCP, M8X1.25X75	2
14	8003973	(013000–)	Pulley Assy, Damper, Torsional	1
15	4030713	(013000–)	Belt, Ribbed, Alternator, 40.25L	1
16	4238309	(013000–)	Brkt, Alternator, PSI	1
17	4238310	(013000–)	Bolt, HXFL, M10X1.25–40	4
18	4238311	(013000–)	Alternator, 70A, PSI	1
19	4238312	(013000–)	Bolt, HXCP, M8X1.25X110	1
20	8044984	(013000–)	Nut, Flng, M8	1
21	4238313	(013000–)	Hose, Coolant, PSI	1

Fig. 42 – PSI Engine Radiator and Mount Group (S/N 013000–)

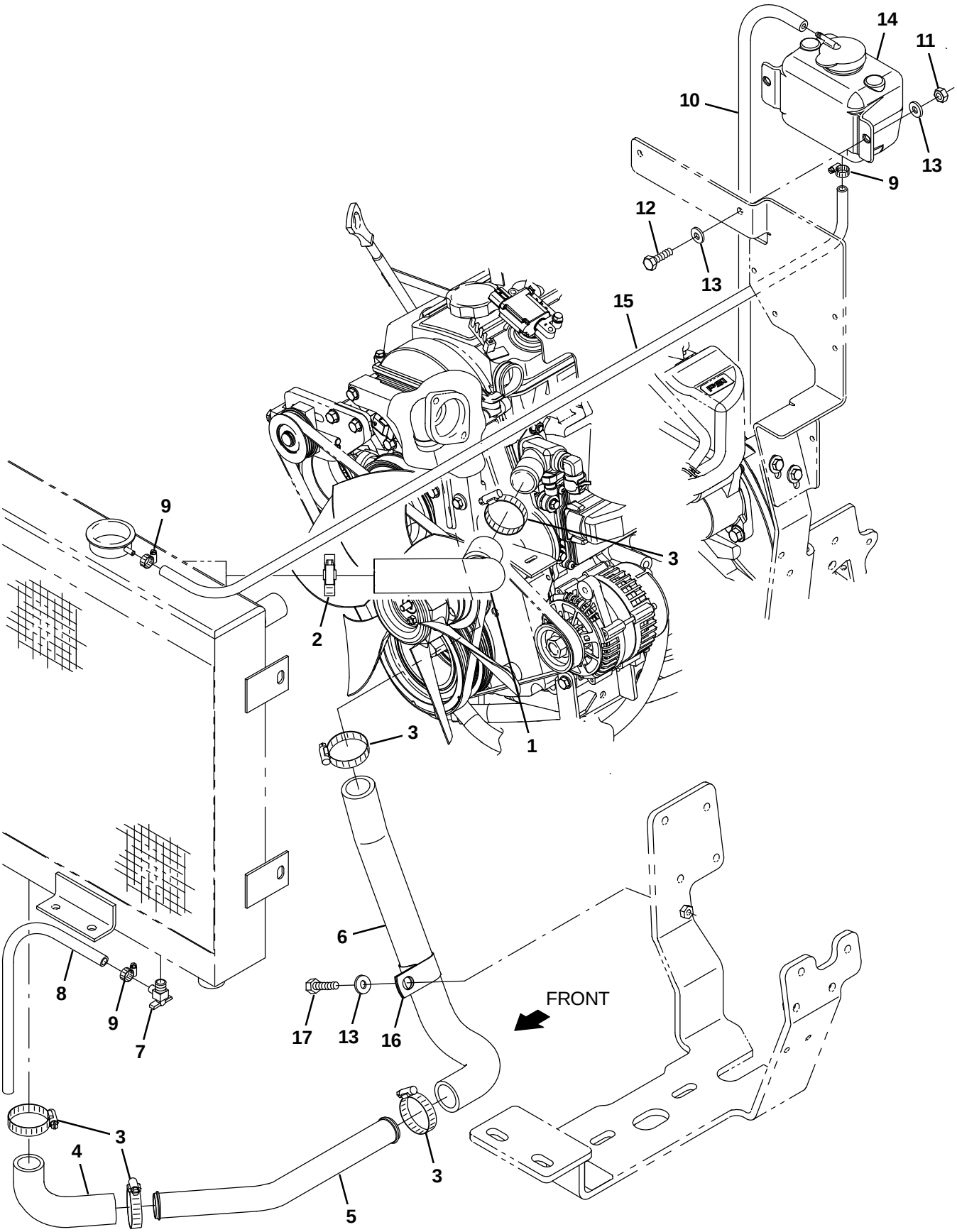


356299

Fig. 42 – PSI Engine Radiator and Mount Group (S/N 013000–)

	Ref.	Part No.	Serial Number	Description	Qty.
▽	1	4031438	(013000–)	Radiator, W/ Hyd Cooler [Afmkt]	1
▲	2	4029923	(013000–)	Cap, Radiator, 16Psi Sae 164	1
	3	4045637	(013000–)	Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	4
	4	4011220	(013000–)	Shrd Wldt,Fan,G/Lp, Replmt [M20/M30/T20]	1
	4	4011221	(013000–)	Shrd Wldt,Fan,G/Lp, Replmt [TJ] (Japan Only)	1
	5	4030382	(013000–)	Plate, Door, Clean–Out [Mit2013]	1
	6	4045568	(013000–)	Screw, Hex, M6 X 1.00 X 25, 9.8 Sems	3
	7	4190181	(013000–)	Bracket, Mtg, Radiator	1
	8	4041287	(013000–)	Screw, Hex, M10 X 1.50 X 45, 8.8	4
	9	4034138	(013000–)	Washer, Flat, 0.38, Std	8
	10	4015364	(013000–)	Isolator, Vib, Bshg, 1.1d 0.6l .4b 0.78h	4
	11	4042008	(013000–)	Washer, Flat, 0.81b 1.06d .06, Stl	8
	12	4037922	(013000–)	Washer, Flat, 0.40b 1.12d .12, Ss	4
	13	4016826	(013000–)	Nut, Hex, Lock, M10 X 1.5, Nl	4
	14	4156940	(013000–)	Screw, Hex, M8 X 1.25 X 25, 8.8	2
	15	4034137	(013000–)	Washer, Flat, 0.31, Std	7
	16	4034136	(013000–)	Washer, Flat, 0.25, Std	2
	17	4030761	(013000–)	Skirt, Fan, Eng, Gas/Lpg [M30 Mit 2013]	1
	18	4045641	(013000–)	Screw, Hex, M8 X 1.25 X 35, 9.8, Sems	2
	19	4016794	(013000–)	Washer, Flat, 0.25, Fendr	7
	20	4045568	(013000–)	Screw, Hex, M6 X 1.00 X 25, 9.8 Sems	7
	21	4036225	(013000–)	Bracket, Mtg, Radiator	1
	22	4044400	(013000–)	Screw, Hex, M6 X 1.00 X 20, 9.8, Sems	2
	23	4036443	(013000–)	Clip, Keeper, Open	1
	24	4041925	(013000–)	Nut, Hex, Lock, M6 X 1.00, Nl	5
	25	4038497	(013000–)	Shroud, Fan	1
	26	4030343	(013000–)	Bracket, Shrd, Fan, Lower, Sppt, G/Lpg	1
	27	4041604	(013000–)	Nut, Hex, Flng, M6 X 1.00	1
	28	4039684	(013000–)	Seal, Afmkt, Bulb, Str, 0.58d 08ft	1
	29	4038013	(013000–)	Seal, Afmkt, Ure, Adh, 0.38, 0.38w 02ft	4
	30	4029367	(013000–)	Molding, Trim, Pvc, .08–.11 06.8l	1
	31	4041271	(013000–)	Screw, Hex, M6 X 1.00 X 20, 8.8	4
	32	4034133	(013000–)	Washer, Flat, 0.25, Sae	4

Fig. 43 – PSI Engine Radiator Hose Group (S/N 013000–)

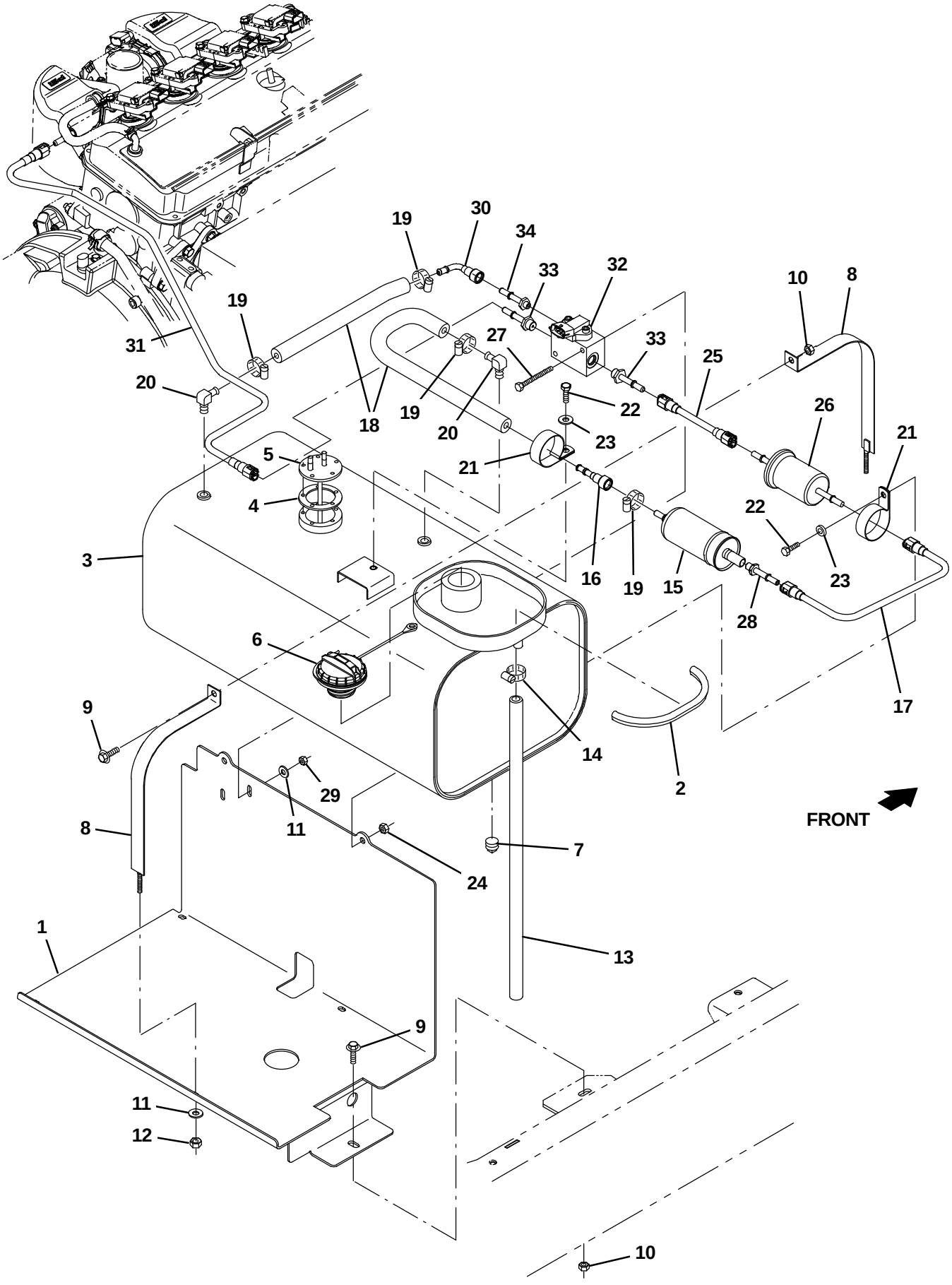


356300

Fig. 43 – PSI Engine Radiator Hose Group (S/N 013000–)

Ref.	Part No.	Serial Number	Description	Qty.
1	4030330	(013000–)	Hose, Coolant, Mold, 1.25id To 1.62id	1
2	4037088	(013000–)	Clamp, Hose, Wormdrive, 1.56–2.50d, .50w	1
3	4026556	(013000–)	Clamp, Hose, Wormdrive, 1.25–2.00d, .50w	5
4	4039550	(013000–)	Hose, Rbr, E90, 1.25id 1.25id 04.2 03.1	1
5	4030491	(013000–)	Tube, Coolant, 1.3d, Lower [Mit 2013]	1
6	4027830	(013000–)	Hose Kit, Coolant, Replmt [Mitsubishi}	1
7	4014543	(013000–)	Fitting, Draincock, E90, .25npt	1
8	4016344	(013000–)	Hose, Pvc, Clr, 0.38id 0.56od 022.0l	1
9	4017396	(013000–)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	3
10	4022521	(013000–)	Hose, Fuel, 0.18id, 29.0l	1
11	4041926	(013000–)	Nut, Hex, Lock, M8 X 1.25, Nl	2
12	4156940	(013000–)	Screw, Hex, M8 X 1.25 X 20, 8.8	2
13	4034137	(013000–)	Washer, Flat, 0.31, Std	2
14	4038493	(013000–)	Tank, Coolant, 03.6w 04.1hi 05.5l,1liter	1
15	4037950	(013000–)	Hose, Afmkt, Coolant Recvy, 05ft	1
16	4015029	(013000–)	Clamp, Cable, Stl, 1.50d X 1.00w, 1hole	1
17	4041844	(013000–)	Screw, Hex, M8 X 1.25 X 20, 8.8	1

Fig. 44 – PSI Engine Fuel Tank Group, Gas (S/N 013000–)



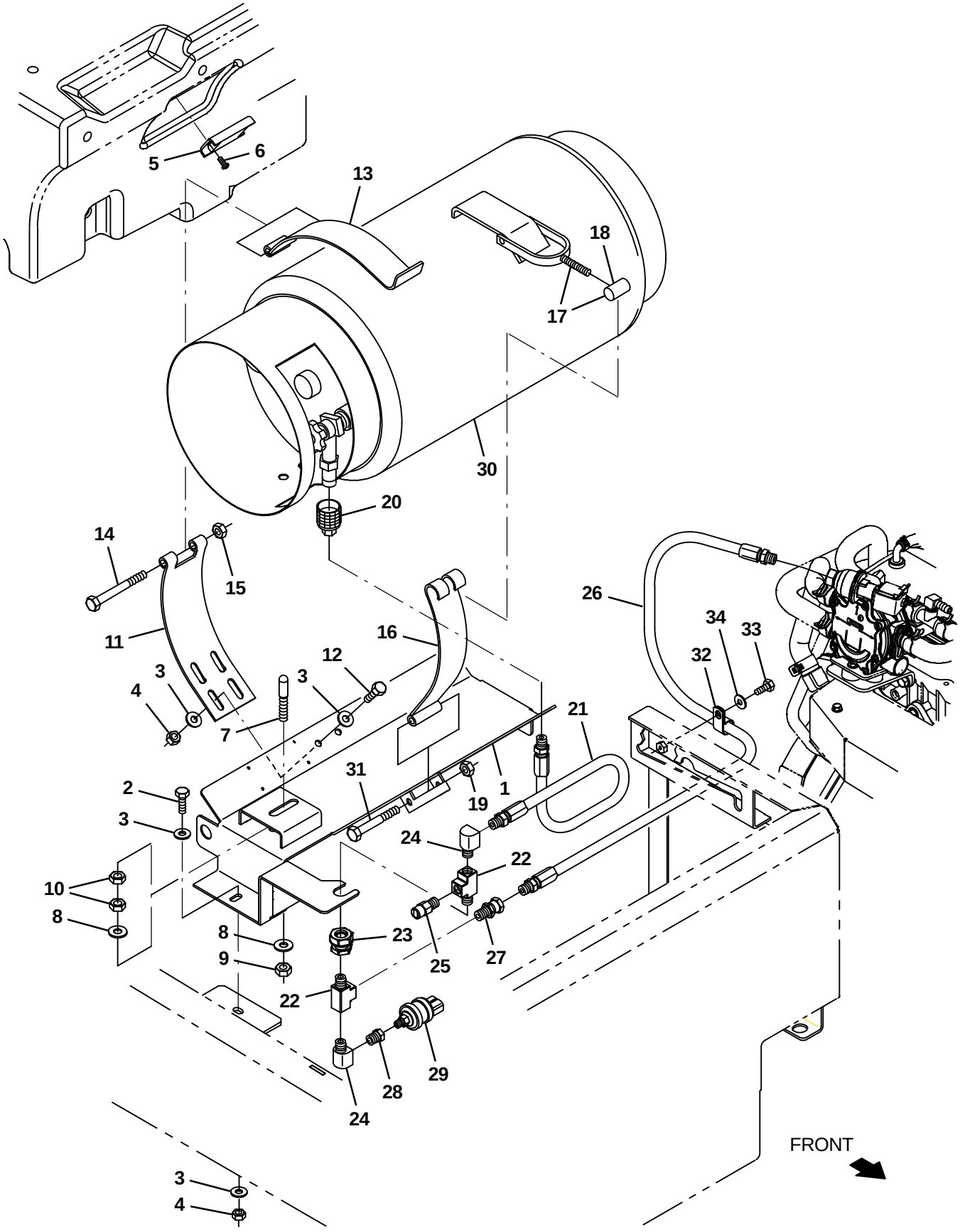
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Fig. 44 – PSI Engine Fuel Tank Group, Gas (S/N 013000–)

	Ref.	Part No.	Serial Number	Description	Qty.
	1	4194105	(013000–)	Tray Wldt, Fuel	1
	2	4194130	(013000–)	Molding, Trim, Pvc, .08–.11 13.2l	1
▽	3	4156940	(013000–)	Tank, Fuel, 11.2gal, Gas, Replmt [2007]	1
▲	4	4034137	(013000–)	Gasket, Sender, Fuel	1
▲	5	4041926	(013000–)	Send–Unit, Fuel [2007]	1
▲	6	4203095	(013000–)	Cap, Fuel, Tank	1
▲	7	8006208	(013000–)	Fitting, Pipe, Plug, Pm02, Sq Head	1
	8	8006221	(013000–)	Strap, Tank, Gas	2
	9	8006207	(013000–)	Screw, Hex, M8 X 1.25 X 30, 9.8, Sems	3
	10	4013933	(013000–)	Nut, Hex, Lock, M8 X 1.25, Nl	3
	11	4033269	(013000–)	Washer, Flat, 0.25, Sae	4
	12	4015366	(013000–)	Nut, Hex, Lock, .25–20, Nl	2
	13	4037296	(013000–)	Hose, Fuel, 0.50id, 21.0l	1
	14	4036932	(013000–)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	1
	15	4041281	(013000–)	Pump, Fuel, Hi Press	1
	16	4045263	(013000–)	Connector, Fuel, Qf	1
	17	4030561	(013000–)	Fuelline, .31d Str/Str,Plstc	1
	18	4037227	(013000–)	Hose, Fuel, 0.31id [Evap Emission 07]	2
	19	4045069	(013000–)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	4
	20	4041925	(013000–)	Fitting, Brs, E90, Em05/Pm04	2
	21	4019173	(013000–)	Clamp, Cable, Stl, 2.00d X 0.75w, 1hole	2
	22	8005188	(013000–)	Screw, Hex, M8 X 1.25 X 20, 8.8	2
	23	8002487	(013000–)	Washer, Flat, 0.31, Std	2
	24	8005437	(013000–)	Nut, Hex, Lock, M8 X 1.25, Nl	1
	25	8047407	(013000–)	Fuelline, .31d Str/Str, Plstc	1
	26	8005499	(013000–)	Filter, Fuel [Gm 1.6l/3.0l]	1
	27	4200490	(013000–)	Screw, Hex, M6 X 1.00 X 50, 8.8	2
	28	4193651	(013000–)	Fitting, Fuel, Str, M10x1.0	1
	29	4034133	(013000–)	Nut, Hex, Lock, M6 X 1.00, Nl	2
	30	4034654	(013000–)	Connector, Fuel, E90, Qf	1
	31	4218342	(013000–)	Fuelline, .31d Str/Str, Plstc [Mit 2013]	1
	32	8044978	(013000–)	Manifold, Gas, Relief, Valve	1
	33	4041844	(013000–)	Fitting, Fuel, Str, 0.56–18 [07 Eng]	2
	34	8047304	(013000–)	Fitting, Fuel, Str, 0.38–24 [07 Eng]	1

Fig. 45 – PSI Engine Fuel Tank Group, LPG (S/N 013000–)



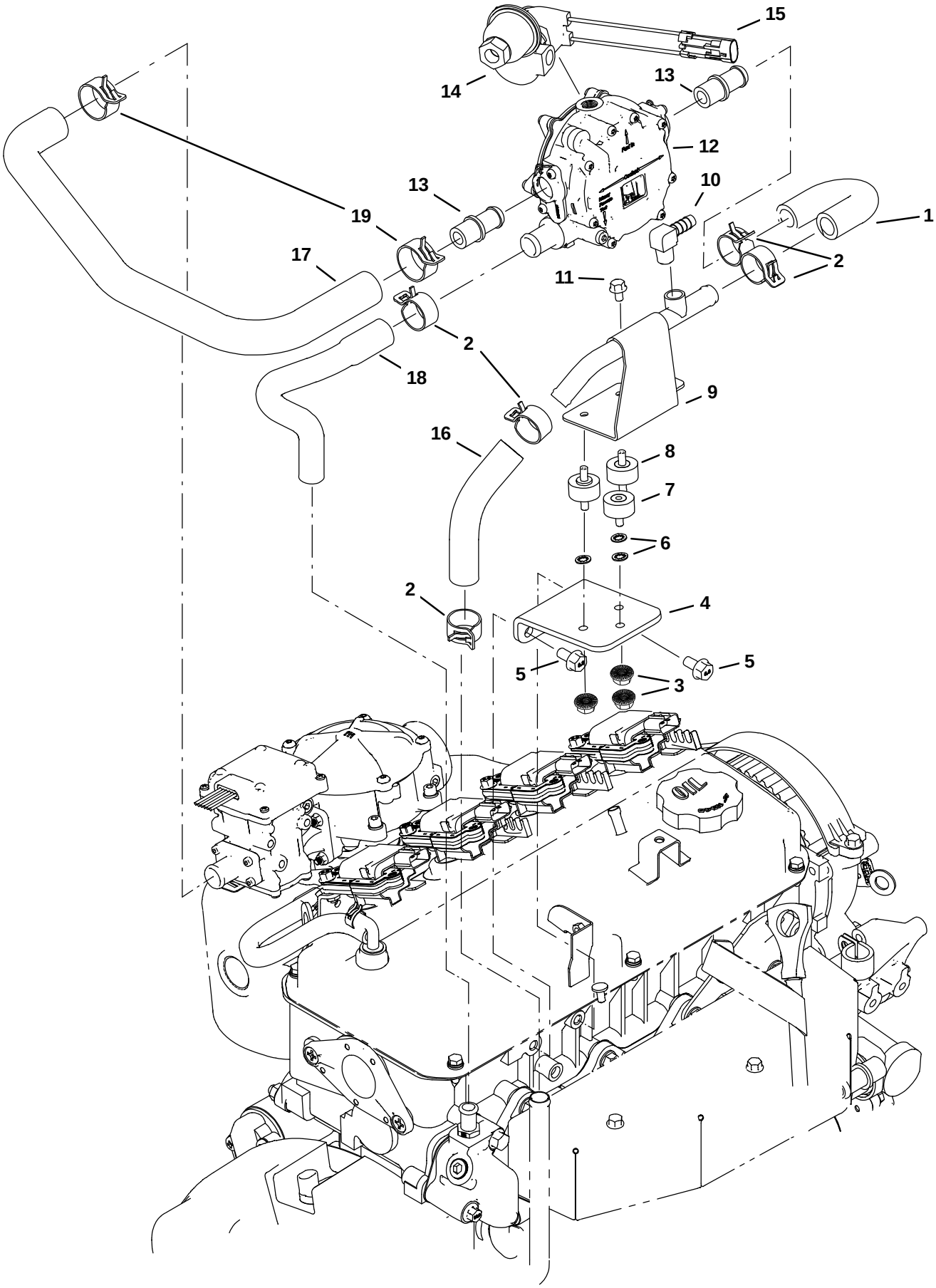
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Fig. 45 – PSI Engine Fuel Tank Group, LPG (S/N 013000–)

	Ref.	Part No.	Serial Number	Description	Qty.
	2	4156940	(013000–)	Screw, Hex, M8 X 1.25 X 25, 8.8	2
	3	4034137	(013000–)	Washer, Flat, 0.31, Std	8
	4	4041926	(013000–)	Nut, Hex, Lock, M8 X 1.25, Nl	4
	5	4017052	(013000–)	Magnet, Drive Brush	1
	6	4041965	(013000–)	Screw, Pan, M5 X 0.8 X 12, Ss	2
	7	4033855	(013000–)	Pin, Locating, Lpg	1
	8	4034138	(013000–)	Washer, Flat, 0.38 Std	2
	9	4016826	(013000–)	Nut, Hex, Lock, M10 X 1.5, Nl	1
	10	4034476	(013000–)	Nut, Hex, Jam, M10 X 1.5, Ss	2
	11	4029786	(013000–)	Strap, Mtg, Tank, Lpg	1
	12	4041844	(013000–)	Screw, Hex, M8 X 1.25 X 20, 8.8	2
	13	4029300	(013000–)	Strap, Mtg, Tank, Lpg, Hinge	1
	14	4031662	(013000–)	Screw, Hex, .38–16 X 3.75, 5	1
	15	4016826	(013000–)	Nut, Hex, Lock, .38–16, Nl, Ss	1
	16	4029787	(013000–)	Strap, Mtg, Tank, Lpg	1
▽	17	4015025	(013000–)	Latch Assy, Mtg, Tank, Lpg, W/Nut	1
▲	18	4015026	(013000–)	Nut, Adj, Mtg, Tank, Lpg	1
	19	4028758	(013000–)	Nut, Hex, Lock, .38–16, Nl, Thin	1
	20	4035691	(013000–)	Fitting, Brs, Qdc, Pf04, Lpg Fem	1
	21	4037354	(013000–)	Hose, Lpg, Med05, Pm04str/Sm04str, 14.0l	1
	22	4041151	(013000–)	Fitting, Brs, Tee, Pf04/Pf04/Pm04, Run	2
	23	4026127	(013000–)	Fitting, Brs, Str, Pf04/Pf04, Bh	1
	24	4035699	(013000–)	Fitting, Brs, E90, Pf04/Pm04	2
	25	4035364	(013000–)	Valve, Lpg, Press Relief [Rego]	1
	26	4042556	(013000–)	Hose, Lpg, Med05, Pm04str/Sm04str, 55.0l	1
	27	4041876	(013000–)	Fitting, Hyd, Str, Pf02/Pm04	1
	28	4232409	(013000–)	Fitting, Pipe, Str, Pm04/Sf04	1
	29	4035027	(013000–)	Switch, Press, 0070PSI SPST NC 12VDC 08A	1
	30	4035401	(013000–)	Tank, Lpg, 33lb, W/ Gauge [Empty, Liq]	1
	31	4031659	(013000–)	Screw, Hex, .38–16 X 3.00, G5	1
	32	4017933	(013000–)	Clamp, Cable, Stl, 0.69d X 0.62w, 1hole	1
	33	4041270	(013000–)	Screw, Hex, M6 X 1.00 X 16, 8.8	1
	34	4034133	(013000–)	Washer, Flat, 0.25, Sae	1

Fig. 46 – PSI Engine Vaporizer Group, LPG (S/N 013000–)



357360

Fig. 46 – PSI Engine Vaporizer Group, LPG (S/N 013000–)

Ref.	Part No.	Serial Number	Description	Qty.
1	4238314	(013000–)	Hose, Coolant, PSI	1
2	8003170	(013000–)	Clamp, Hose, Spring, 0.62D	1
3	8003837	(013000–)	Nut, M6–1.0 FLANGE [MIT]	1
4	8003845	(013000–)	Bracket, Vaporizer [MIT 2024M Tilt]	1
5	8003850	(013000–)	Bolt, M8–1.25 X 16FL HD [MIT]	2
6	4034655	(013000–)	Washer, Lock, Int, .025	3
7	4238315	(013000–)	ISO, Regulator, P/S, PSI	2
8	4238316	(013000–)	ISO, Regulator, S/S, PSI	1
9	4238317	(013000–)	Tube, Brkt, Coolant	1
10	4197481	(013000–)	Fitting, BRS, E90, BM06/PM04	1
11	4034138	(008000–)	Bolt, M6–1.0 X 10 FL HD [MIT]	1
12	8002154	(013000–)	Regulator	1
13	8003843	(013000–)	Fitting, 1/2 X 5/8 Hose,Plastic[MIT]	2
14	4015547	(013000–)	Valve, Lock Off	1
15	8003872	(013000–)	Fitting, 1/4MPT X 1/4MPT, 90DEG[MIT]	1
16	4238318	(013000–)	Hose, Coolant, PSI	1
17	8003846	(013000–)	Hose, Fuel, Molded [MIT 20/24M]	1
18	4238319	(013000–)	Hose, Coolant, PSI	1
19	8003844	(013000–)	Clamp, Tension [MIT 29]	1

Fig. 47 – PSI Hydraulic Pump Linkage Group (S/N 013000)

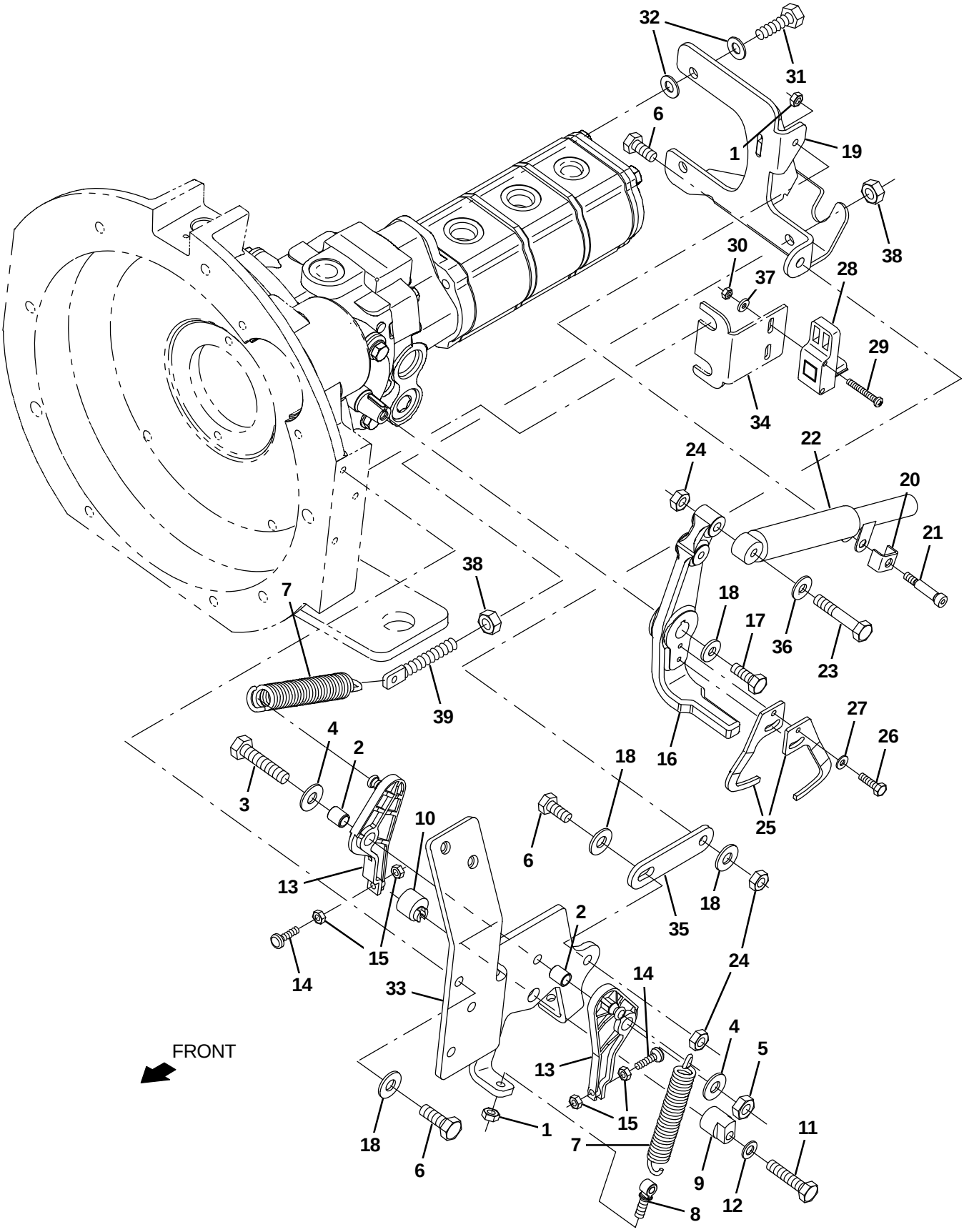
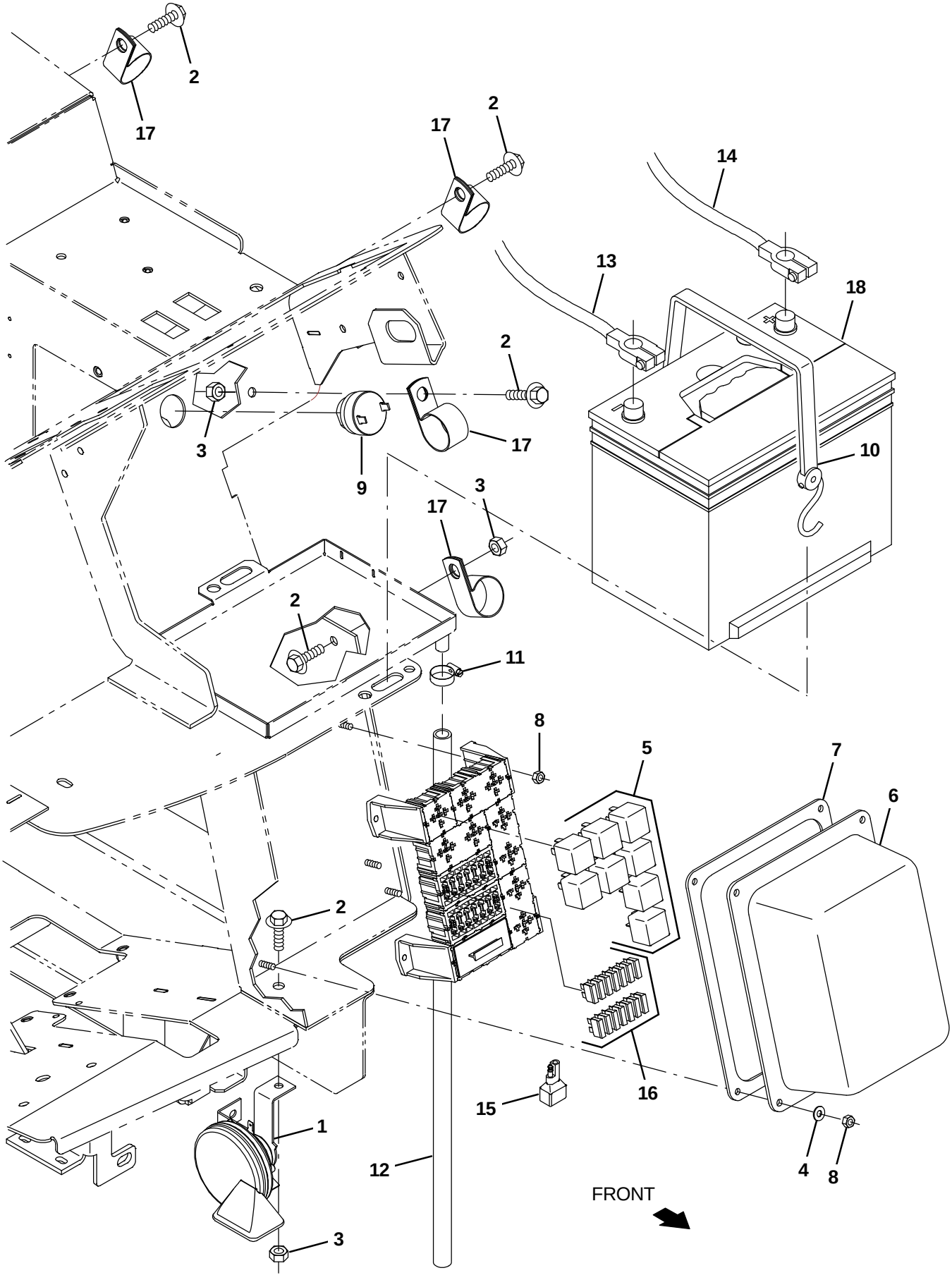


Fig. 47 – PSI Hydraulic Pump Linkage Group (S/N 013000)

Ref.	Part No.	Serial Number	Description	Qty.
1	4013573	(013000–)	Nut, Hex, Lock, .25–20, Nl	2
2	4021145	(013000–)	Tube, 00.50d 00.38b 00.6l Stl	2
3	4200713	(013000–)	Screw, Hex, .38–16 X 2.25, G5	1
4	4200713	(013000–)	Washer, Flat, 0.38 Std	2
5	4028758	(013000–)	Nut, Hex, Lock, .38–16, Nl, Thin	1
6	4156940	(013000–)	Screw, Hex, M8 X 1.25 X 25, 8.8	5
7	4043395	(013000–)	Spring, Extn, 0.75od X 0.12wir, 4.3l	2
8	4013918	(013000–)	Bolt, Eye, .25–20 X 1.40 X .25 Eye	1
9	4015051	(013000–)	Cam, Centering, Pintle	1
10	4028669	(013000–)	Cam, Centering, Pintle	1
11	4012778	(013000–)	Screw, Hex, M8 X 1.25 X 40, Ss, Nl	1
12	4015595	(013000–)	Washer, Flat, 0.31 Sae	1
13	4015053	(013000–)	Arm, Cntrl, Pintle, Centering	2
14	4015362	(013000–)	Bumper, Rbr, 0.5d 0.16t M5 X 08	2
15	4014211	(013000–)	Nut, Hex, Std, M5 X 0.8, 8	4
16	4030623	(013000–)	Arm, Pintle	1
17	4021295	(013000–)	Screw, Hex, .31–24 X 0.75, Nl	1
18	4016796	(013000–)	Washer, Belleville, .31	6
19	4194159	(013000–)	Bracket Wldt, Propel, Pintle	1
20	4021318	(013000–)	Bracket, Retainer, Safety	1
21	4041517	(013000–)	Bolt, Shld, .31d X 1.00, .25–20	1
22	4016337	(013000–)	Shock Absorber, 2.3 Strk	1
23	4019753	(013000–)	Screw, Hex, M8 X 1.25 X 50, 8.8	1
24	4041926	(013000–)	Nut, Hex, Lock, M8 X 1.25, Nl	3
25	4033213	(013000–)	Arm [Positioning]	2
26	4041970	(013000–)	Screw, Hex, M5 X 0.8 X 20, 8.8	2
27	4042888	(013000–)	Washer, Flat, #10 Ss	2
28	4033212	(013000–)	Sensor, Spd / Dir, 6–30vdc	1
29	4041964	(013000–)	Screw, Pan, M4 X 0.7 X 35, Ss	2
30	4031247	(013000–)	Nut, Hex, Lock, M4 X 0.7, Nl, Ss	2
31	4013460	(013000–)	Screw, Hex, .38–16 X 1.25, Nl	2
32	4034134	(013000–)	Washer, Flat, 0.38 Sae	4
33	4030339	(013000–)	Bracket, Propel, G/Lpg [Mit 2013]	1
34	4182555	(013000–)	Angle, Mtg	1
35	4192517	(013000–)	Strap, Sppt	1
36	4034136	(013000–)	Washer, Flat, 0.25 Std	1
37	4042243	(013000–)	Washer, Flat, 0.19b 0.44d .05, Pl, 08	2
38	4041600	(013000–)	Nut, Hex, Std, M8 X 1.25, Ss	2
39	4021359	(013000–)	Bolt, Eye, M8 X 1.25 X 070mm, 05.50 Eye	1

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Fig. 48 – Battery and Electrical Group

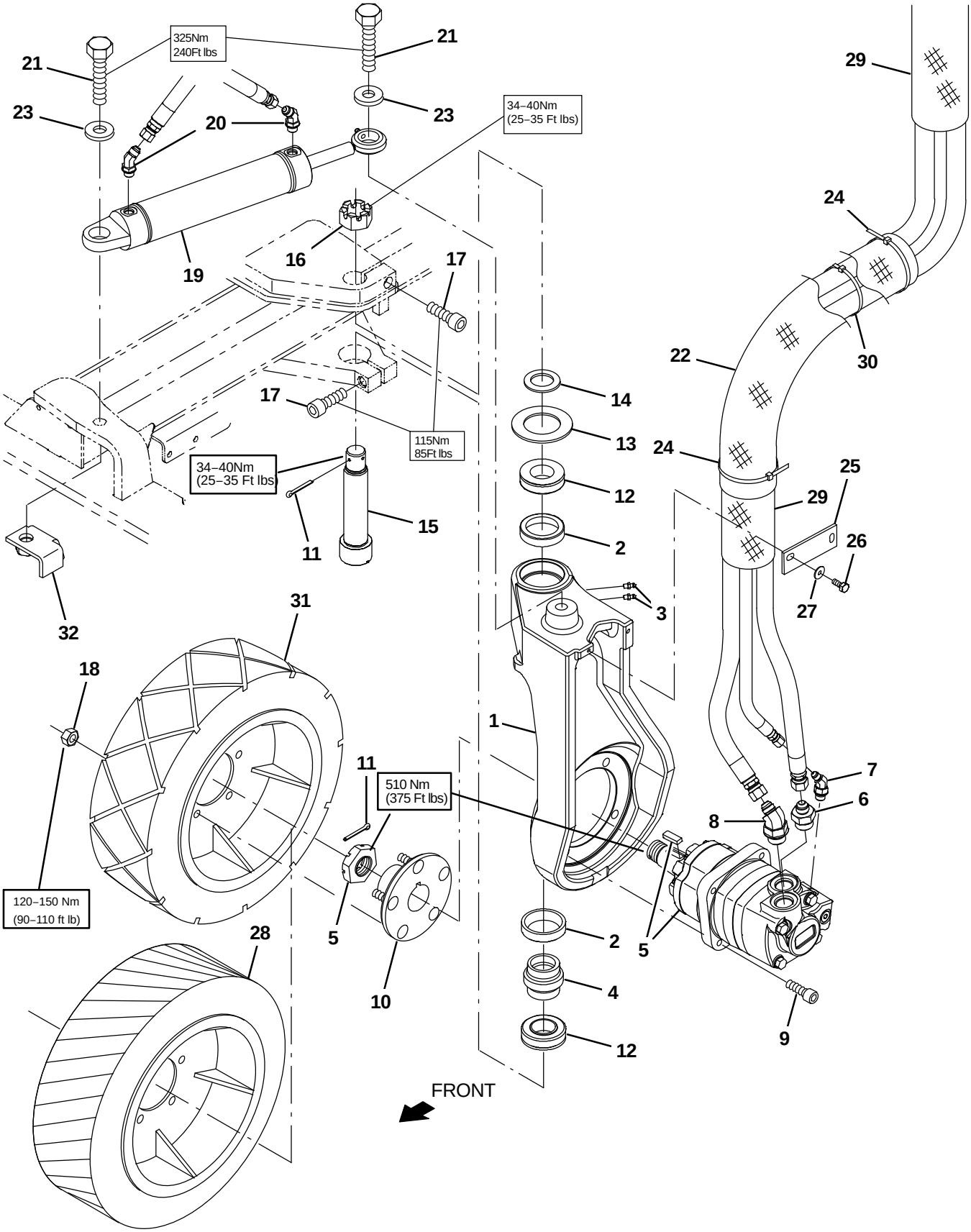


354606 – M30, G/LP

Fig. 48 – Battery and Electrical Group

Ref.	Part No.	Serial Number	Description	Qty.
1	369704	(008000–)	Horn, 12vdc, Dba [Wolo]	1
2	1037346	(008000–)	Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	5
3	08709	(008000–)	Nut, Hex, Lock, M8 X 1.25, Nl	3
4	19066	(008000–)	Washer, Flat, 10	4
5	57804	(008000–)	Relay, 12vdc, 040a, Spdt No	8
6	1024274	(008000–)	Cover, Fuse, Block	1
7	1026576	(008000–)	Gasket, .13, 07.68w 09.45l, Adh [Poron]	1
8	06549	(008000–)	Nut, Hex, Lock, M5 X 0.80, Nl	8
9	1021290	(008000–)	Alarm, Warning [Sonalert, St628]	1
10	33671	(008000–)	Strap, Rbr, Tie–Down, 19.0l, 2/ Hook	1
11	54333	(008000–)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	1
12	20778	(008000–)	Hose, Pvc, Clr, 0.50id 0.69od 030.0l	1
13	1071481	(008000–)	Cable, Battery, 2ga, 62l, Blk	1
14	1071482	(008000–)	Cable, Battery, 2ga, 60l, Red	1
15	222290	(008000–)	Diode, Ele, Plug	1
16	762514	(008000–)	Fuse, Blade, 15a, 32vdc	14
17	53466	(008000–)	Clamp, Cable, Stl, 1.50d X 1.00w, 1hole	4
18	10137	(008000–)	Battery, Wet, 12vdc 0475cca	1

Fig. 49 – Wheel Group, Front Drive

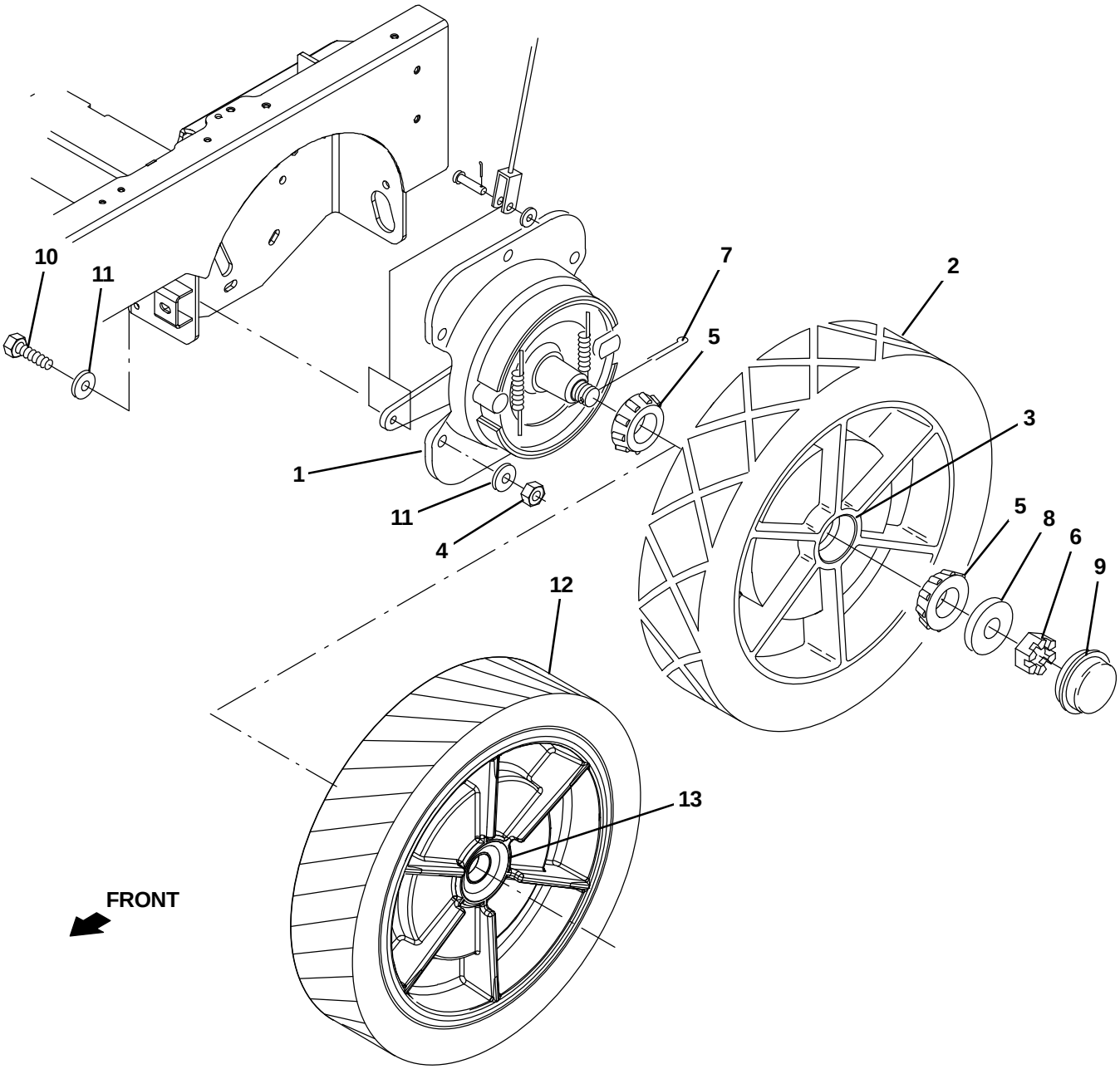


354426–All

Fig. 49 – Wheel Group, Front Drive

	Ref.	Part No.	Serial Number		Description	Qty.
	1	1071061	(008000–	)	Housing, Sppt, Front Wheel	1
	2	51338	(008000–	)	Bearing, Cup, 2.56d 0.55w	2
	3	47801	(008000–	)	Fitting, Grease, Str Pm04 .63l	2
	4	374560	(008000–	)	Seal, Drive, Rear, Grease Cav	1
	5	379609	(008000–	)	Motor, Hyd, Gear, Int 19.0 Bi–Dir 3000 (See Breakdowns)	1
	6	42223	(008000–009320	)	Fitting, Hyd, Str, Jm10/Om12	1
	6	42227	(009321–	)	Fitting, Hyd, Str, Jm08/Om12	1
	7	393215	(008000–	)	Fitting, Hyd, E45, Jm04/Om06	1
	8	1024249	(008000–009320	)	Fitting, Hyd, E45, Jm10/Om12	1
	8	1258930	(009321–	)	Fitting, Hyd, E45, Jm08/Om12	1
	9	19583	(008000–	)	Screw, Soc, .50–13 X 1.50, Al	4
▽	10	54087	(008000–	)	Hub Assy, Wheel, 5 Bolt 4.50bc Taper B	1
▲		32126	(008000–	)	Stud, Wheel, .50–20 X 1.50l, 0.370th	5
	11	08180	(008000–	)	Pin, Cotter, .125 X 2.00	2
	12	51339	(008000–	)	Bearing, Cone, 1.38b 0.71w	2
	13	374563	(008000–	)	Washer, Flat, 2.16b 3.50d .16, Felt	1
	14	54051	(008000–	)	Washer, Flat, 1.39b 2.12d .13, Stl	1
	15	73281	(008000–	)	Bolt, Shld, 1.37d X 5.13l,1.1–18 Drilled	1
	16	54052	(008000–	)	Nut, Hex, Sltd, 1.12–18	1
	17	72926	(008000–	)	Screw, Soc, M16 X 2.0 X 50, 12.9	2
	18	24339	(008000–	)	Nut, Wheel, .50–20 X 60 Angle	5
	19	1034270	(008000–	)	Cylinder, Hyd, 2.0b,15.2l,09.00strk,3000	1
	20	47522	(008000–	)	Fitting, Hyd, E45, Jm06/Om06	2
	21	77345	(008000–	)	Screw, Hex, .75–10 X 3.25, G5	1
	22	82832	(008000–	)	Sleeve, Nyl, 2.38id 25.0l	1
	23	1073487	(008000–	)	Washer, Flat, .781b 1.63od .16, Stl, Blk	2
	24	49266	(008000–	)	Tie, Cable, Nyl, 07.3l .19w 1.8 Max D	2
	25	1052521	(008000–	)	Bar, Flat, Stl 0.19, 01.50 X 04.1l	1
	26	16931	(008000–	)	Screw, Hex, M8 X 1.25 X 20, 8.8	2
	27	32491	(008000–	)	Washer, Flat, 0.31, Std	2
	28	1061973	(008000–	)	Tire, Drive, Scrbr, Pu, Grey, 18.0X6.0 (Optional Polyurethane)	1
	29	57315	(008000–	)	Sleeve, Nyl, #37 05.0l	2
	30	49266	(008000–	)	Tie, Cable, Nyl, 07.3l .19w 1.8 Max D	2
	31	1059343	(008000–	)	Tire, Drive, Scrbr, Non–Skid, 18.0X6.0	1
	32	1060521	(008000–	)	Bracket, Mtg, Sppt	1

Fig. 50 – Wheel and Brake Group

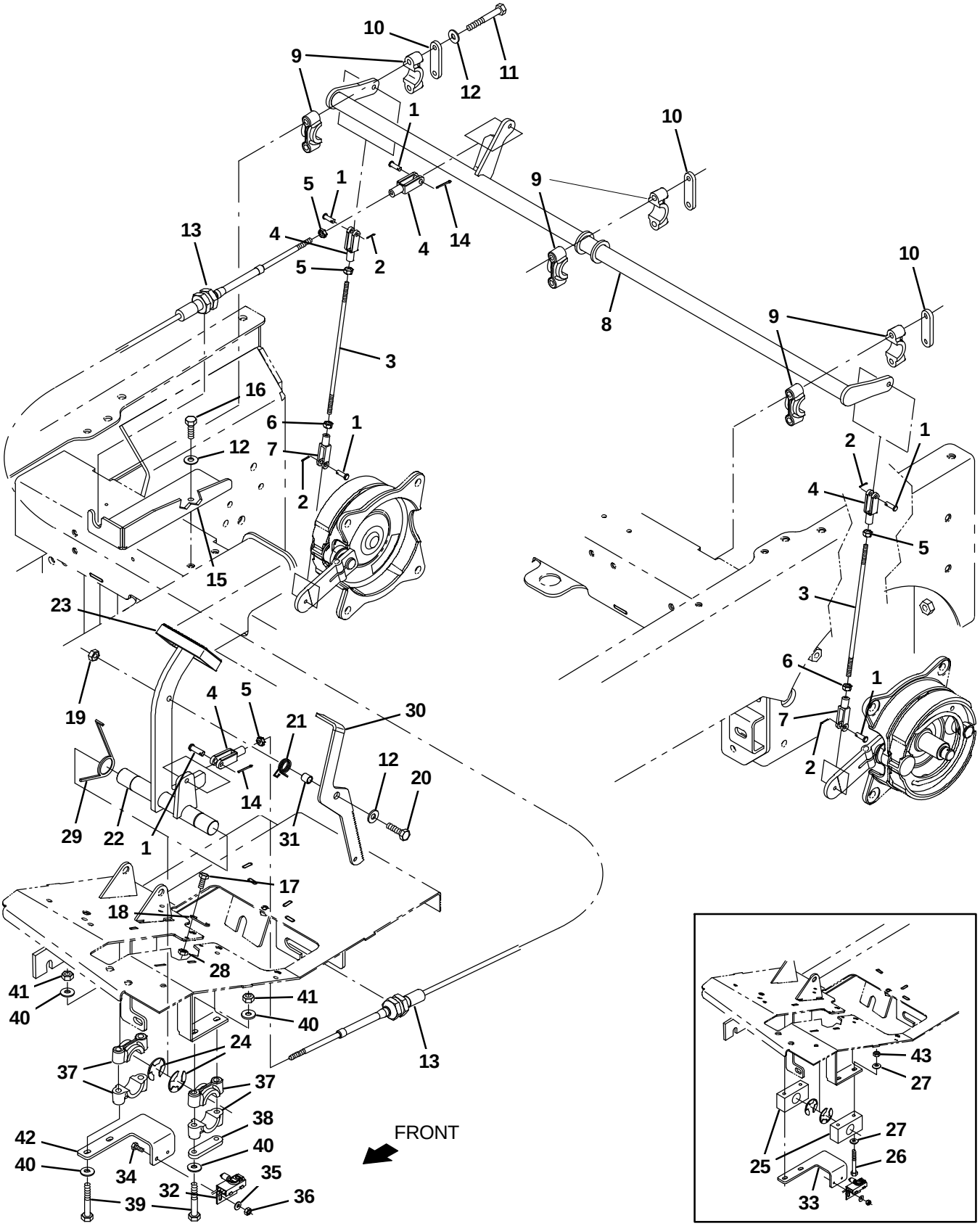


354608 – M30

Fig. 50 – Wheel and Brake Group

	Ref.	Part No.	Serial Number	Description	Qty.
▽	1	54577	(008000–)	Brake Assy, Drum, Mech, 07.9d [6600]]	2
▲		66211	(008000–)	Shoe Set, Brake [1 Set=1pkg=2 Shoes]	2
▲▽		66213	(008000–)	Brake Kit, Repair	1
▲▲		70161	(008000–)	Shaft	1
▲		70158	(008000–)	Spring	2
▽	2	1059544	(008000–)	Tire Assy, Solid, 18.0 X 5.0, Idler (Standard)	2
▲	3	51338	(008000–)	Bearing, Cup, 2.56d 0.55w	2
▽	2	1059344	(008000–)	Tire Assy, Solid, 18.0 X 5.0,Hi Traction (Option)	2
▲	3	51338	(008000–)	Bearing, Cup, 2.56d 0.55w	2
▽	2	1059545	(008000–)	Tire Assy, Solid, 18.0X5.0, Non–Marking (Option)	2
▲	3	51338	(008000–)	Bearing, Cup, 2.56d 0.55w	2
	4	08711	(008000–)	Nut, Hex, Lock, M12 X 1.75, Nl	12
	5	51339	(008000–)	Bearing, Cone, 1.38b 0.71w	4
	6	14242	(008000–)	Nut, Hex, Sltd, 1.00–20	2
	7	08202	(008000–)	Pin, Cotter, .125 X 1.75	2
	8	32969	(008000–)	Washer, Flat, 1.00, Sae	2
	9	54390	(008000–)	Cap, Hub, Dust, 2.57d 0.77l	2
	10	06969	(008000–)	Screw, Hex, M12 X 1.75 X 40, 8.8	12
	11	32486	(008000–)	Washer, Flat, 0.50, Sae	24
▽	12	1062102	(008000–)	Tire, Idler, Scrbr, Pu, Grey, 18.0X5.0 (Polyurethane)	2
▲	13	51338	(008000–)	Bearing, Cup, 2.56d 0.55w	2

Fig. 51 – Brake Pedal Linkage Group



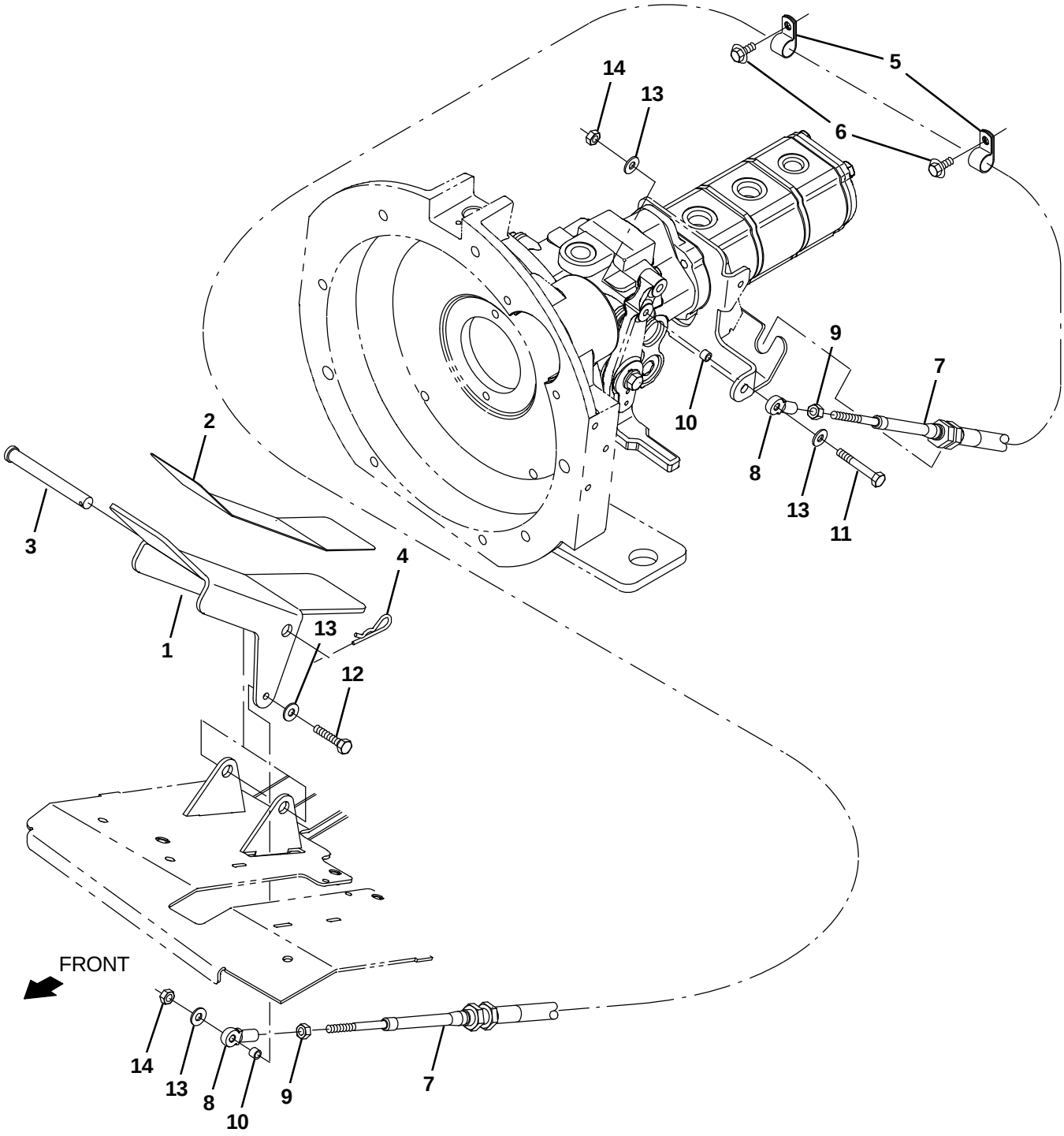
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354609 – M30

Fig. 51 – Brake Pedal Linkage Group

Ref.	Part No.	Serial Number	Description	Qty.
1	69582	(008000–)	Pin, Clevis, 0.31d X 1.00l	6
2	08170	(008000–)	Pin, Cotter, .062 X 0.50	4
3	1034409	(008000–)	Rod, Thrd, 2 End, .31–24 7.0l, Pl	2
4	58311	(008000–)	Clevis, Adj, 0.31pin, 0.31–24	4
5	20170	(008000–)	Nut, Hex, Jam, .31–24	4
6	381910	(008000–)	Nut, Hex, Jam, .31–24, Lh	2
7	1037933	(008000–)	Clevis, Adj, 0.31pin, 0.31–24, Lh	2
8	1033812	(008000–)	Shaft Wldt, Brake	1
9	381502	(008000–)	Bearing, Split, 1.00b	6
10	382224	(008000–)	Plate, Sppt	3
11	39279	(008000–)	Screw, Hex, M8 X 1.25 X 70, 8.8	6
12	32491	(008000–)	Washer, Flat, 0.31, Std	7
13	1034454	(008000–)	Cable, Push / Pull, 068.0l	1
14	08179	(008000–)	Pin, Cotter, .094 X 1.00	2
15	1022736	(008000–)	Bracket, Mtg, Cable	1
16	1037346	(008000–)	Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	2
17	06942	(008000–)	Screw, Hex, M6 X 1.00 X 16, 8.8	2
18	71367	(008000–)	Spring, Wir, 0.08d, Parking Brake	1
19	08709	(008000–)	Nut, Hex, Lock, M8 X 1.25, Nl	1
20	06955	(008000–)	Screw, Hex, M8 X 1.25 X 35, 8.8	1
21	59009	(008000–)	Spring, Tors, 0.75id .06wir 02.8coil	1
22	1022243	(008000–)	Shaft Wldt, Pedal, Brake	1
23	51109	(008000–)	Pad, Pedal, Brake, 3.96l 2.36w 0.75	1
24	23788	(008000–)	Ring, Retaining, Ext, 0.98d, [E–Ring]	2
25	86751	(008000–010000)	Bearing, Pillowblock, 1.02b [Solid Pye]	2
26	06548	(008000–010000)	Screw, Hex, M6 X 1.00 X 60, 8.8	4
27	32490	(008000–010000)	Washer, Flat, 0.25, Std	8
28	08708	(008000–)	Nut, Hex, Lock, M6 X 1.00, Nl	2
29	54607	(008000–)	Spring, Tors, 1.13id .12wir 2.3coil, Rh	2
30	1025487	(008000–)	Pedal, Brake, Lock	1
31	46563	(008000–)	Bushing, Sleeve, 0.37b 0.50d 0.50l, Oib	1
32	59962	(008000–)	Switch, Snap, 15a Nc, Rlr	1
33	1228195	(008000–010000)	Bracket, Mtg, Switch	1
34	24199	(008000–)	Screw, Hex, M5 X 0.80 X 16, Ss	2
35	01683	(008000–)	Washer, Flat, 10, Ss	2
36	09739	(008000–)	Nut, Hex, Lock, M5 X 0.80, Nl, Ss	2
37	381502	(010001–)	Bearing, Split, 1.00b	4
38	382224	(010001–)	Plate, Sppt	1
39	39279	(010001–)	Screw, Hex, M8 X 1.25 X 70, 8.8	4
40	32491	(010001–)	Washer, Flat, 0.31, Std	8
41	08713	(010001–)	Nut, Hex, Lock, M8 X 1.25, Nl, Ss	4
42	1260032	(010001–)	Bracket, Mtg, Switch	1
43	08708	(008000–010000)	Nut, Hex, Lock, M6 X 1.00, Nl	4

Fig. 52 – Directional Pedal Group

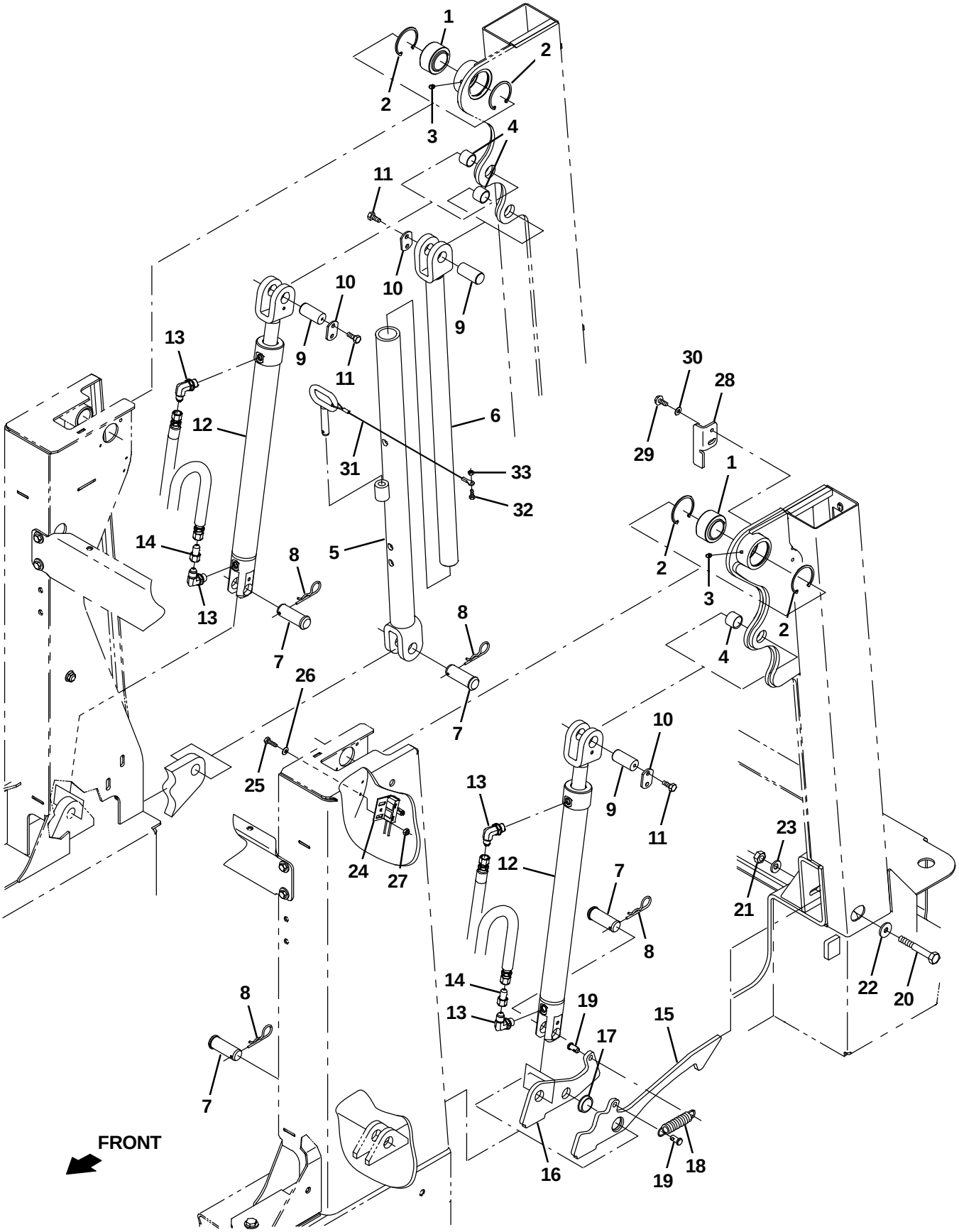


354429

Fig. 52 – Directional Pedal Group

Ref.	Part No.	Serial Number	Description	Qty.
1	4193625	(008000–)	Pedal, Propel	1
2	4026685	(008000–)	Tread, Non–Skid, 03.0w 11.6l	1
3	4026850	(008000–)	Pin, Clevis, 0.50 D X 4.50l	1
4	4041914	(008000–)	Pin, Cotter, .125 X 1.00	1
5	4017933	(008000–)	Clamp, Cable, Stl, 0.69d X 0.62w, 1h	2
6	4029864	(008000–)	Screw, Hex, M6 X 1.0 X 16, Fmg	2
7	1022315	(008000–012999)	Cable, Push / Pull, 098.0l .25–28/.25–28 (Repl By 1035482)	1
7	4032922	(013000–)	)Cable, Push / Pull, 108.0l .25–28/.25–28	1
8	4018302	(008000–)	Rod–End, .25–28rh Fem 0.25b [Teflon]	2
9	4042941	(008000–)	Nut, Hex, Std, .25–28	2
10	4017735	(008000–)	Tube, 00.38d 00.26b 00.3l Stl Plt	2
11	4231432	(008000–)	Screw, Hex, .25–20 X 2.25, Ss	1
12	4017319	(008000–)	Screw, Hex, .25–20 X 1.75, Ss	1
13	4034136	(008000–)	Washer, Flat, 0.25 Std	4
14	4016793	(008000–)	Nut, Hex, Lock, .25–20, Nl, Ss	2

Fig. 53 – Hopper Lift Arms Group



354610 – M30

Fig. 53 – Hopper Lift Arms Group

Ref.	Part No.	Serial Number	Description	Qty.
1	42120–1	(008000–)	Bearing, Self Align, 1.25b 2.00d	2
2	59542	(008000–)	Ring, Retaining, Int, 2.00d	4
3	07259	(008000–)	Fitting, Grease, Str Pm04 .47l	2
4	364587	(008000–)	Bushing, Sleeve, 0.88b 1.00d 0.75l, Bnz	3
5	1040818	(008000–)	Tube Wldt, Arm, Safety	1
6	1040820	(008000–)	Rod Wldt, Arm, Safety	1
7	1018227	(008000–)	Pin, Clevis, 0.88d X 2.25l	4
8	02942	(008000–)	Pin, Cotter, Hair, 0.62d .120 Wir	4
9	1018226	(008000–)	Pin, 0.87d 01.8l, 1/M6 X 1.0, 1cham,Stl	3
10	72897	(008000–)	Plate, Pin, Clevis, Upper	3
11	06942	(008000–)	Screw, Hex, M6 X 1.00 X 16, 8.8	6
12	1029646	(008000–)	Cylinder, Hyd, 2.0B 24.1L 15.00Strk 3000	2
13	77097	(008000–)	Fitting, Hyd, E90, Jm04/Om04	4
14	1025904	(008000–)	Fitting, Hyd, Rst, Jf04/Jm04, .028	2
15	1034227	(008000–)	Plate, Bellcrank, Hppr, Lock	1
16	1036271	(008000–)	Plate, Bellcrank	1
17	1037827	(008000–)	Bushing, Flng, 0.87b 1.25d 0.38l	1
18	87816	(008000–)	Spring, Extn, 0.75od 0.09wir 02.5l	1
19	41305	(008000–)	Pin, Clevis, 0.37d X 0.75l	2
20	06965	(008000–)	Screw, Hex, M10 X 1.50 X 80, 8.8	1
21	08714	(008000–)	Nut, Hex, Lock, M10 X 1.5, Nl, Ss	1
22	1014563	(008000–)	Washer, Flat, 0.40b 1.12d .12, Ss	1
23	41187	(008000–)	Washer, Flat, Belleville, .38	1
24	23211	(008000–)	Switch, Snap, 15a No, Rlr	1
25	09252	(008000–)	Screw, Hex, M5 X 0.80 X 20, 8.8	2
26	19066	(008000–)	Washer, Flat, 10	2
27	07789	(008000–)	Nut, Hex, Flng, M5 X 0.80	2
28	1018240	(008000–)	Bracket, Mtg, Switch	1
29	361339	(008000–)	Screw, Hex, M6 X 1.00 X 16, Fmg	2
30	32483	(008000–)	Washer, Flat, 0.25, Sae	2
31	1018266	(008000–)	Pin, Arm, Safety	1
32	09206	(008000–)	Screw, Hex, M4 X 0.70 X 12, 8.8	1
33	02850	(008000–)	Nut, Hex, Lock, M4 X 0.70, Nl	1

Fig. 54 – Hopper and Debris Screen Group

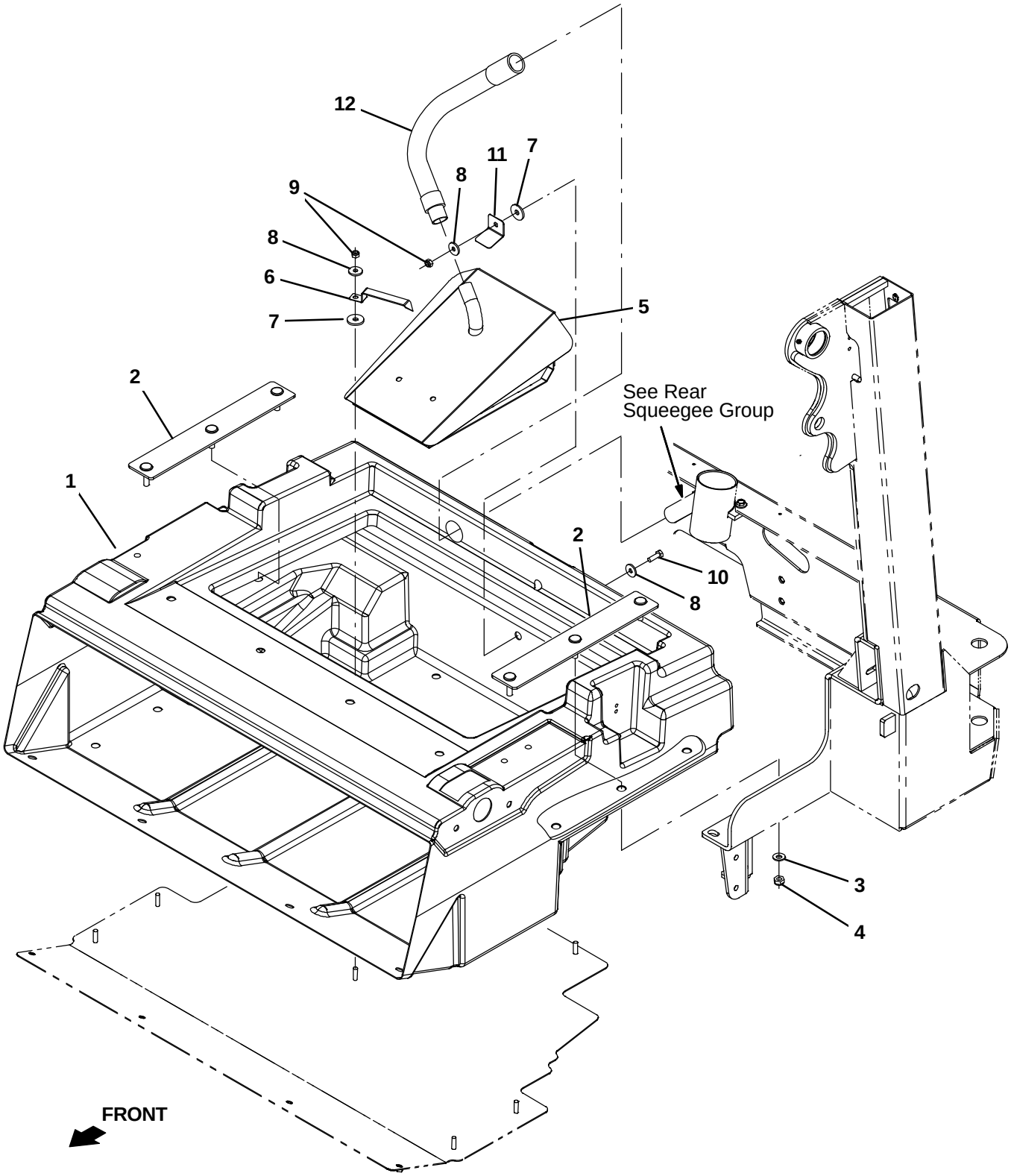
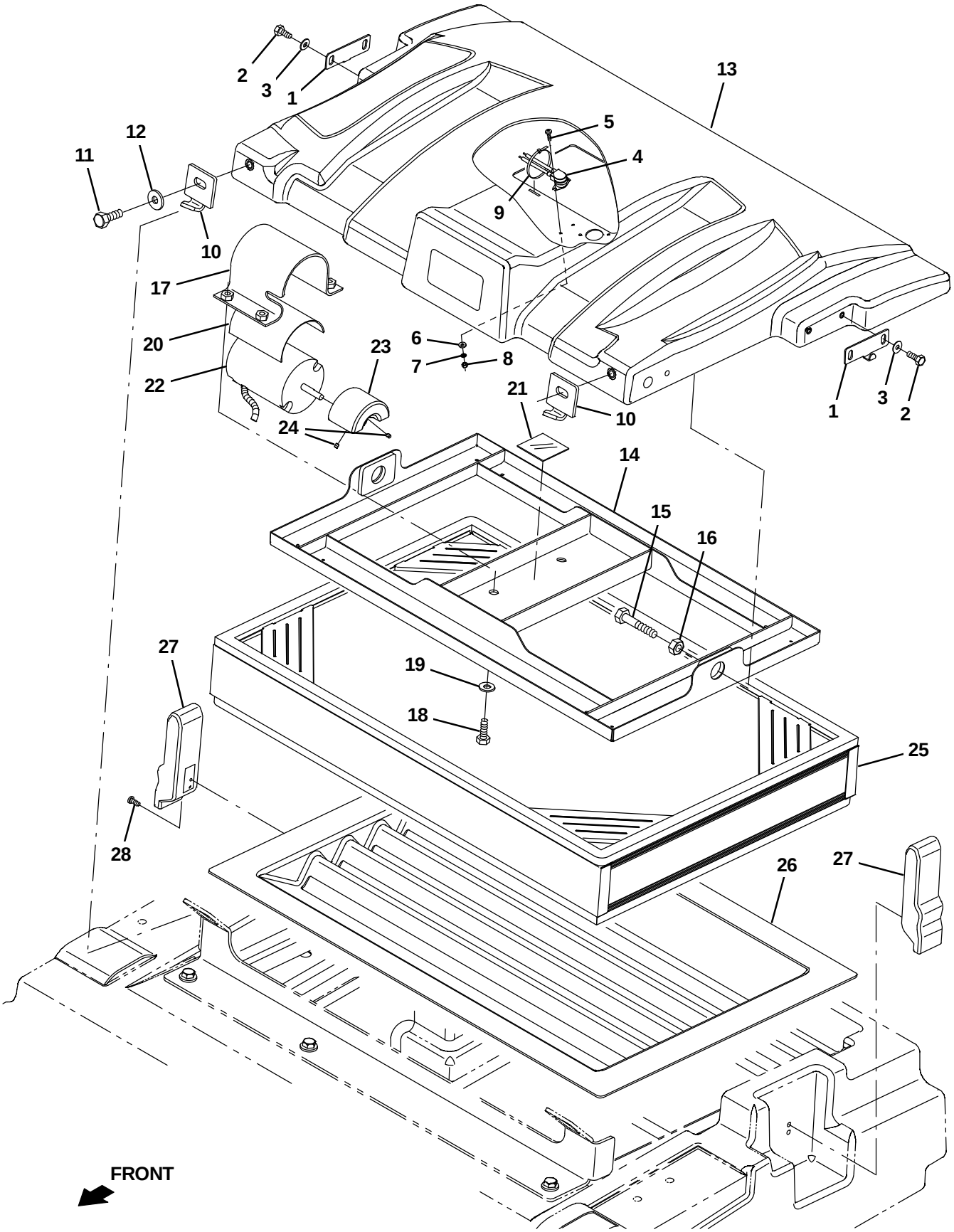


Fig. 54 – Hopper and Debris Screen Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1036419	(008000–)	Hopper, Debris [M30]	1
2	1018272	(008000–)	Bar, Mtg, Hppr	2
3	763042	(008000–)	Washer, Flat, Belleville, M10	6
4	08714	(008000–)	Nut, Hex, Lock, M10 X 1.5, Nl, Ss	6
5	1039163	(008000–)	Screen Wldt, Hppr	1
6	1044323	(008000–)	Spring, Flat, Retainer, Angled Screen	1
7	222268	(008000–)	Washer, Flat, 0.38b 1.25d .12, Neo	2
8	1017218	(008000–)	Washer, Flat, 0.32b 1.00d .12, Ss	3
9	08713	(008000–)	Nut, Hex, Lock, M8 X 1.25, Nl, Ss	2
10	09010	(008000–)	Screw, Hex, M8 X 1.25 X 25, Ss	1
11	1039215	(008000–)	Angle, Retainer	1
12	1018239	(008000–)	Hose Assy, W/1cuff, 1.0d 009l 1.0/	1

Fig. 55 – Hopper Cover and Dust Filter Group

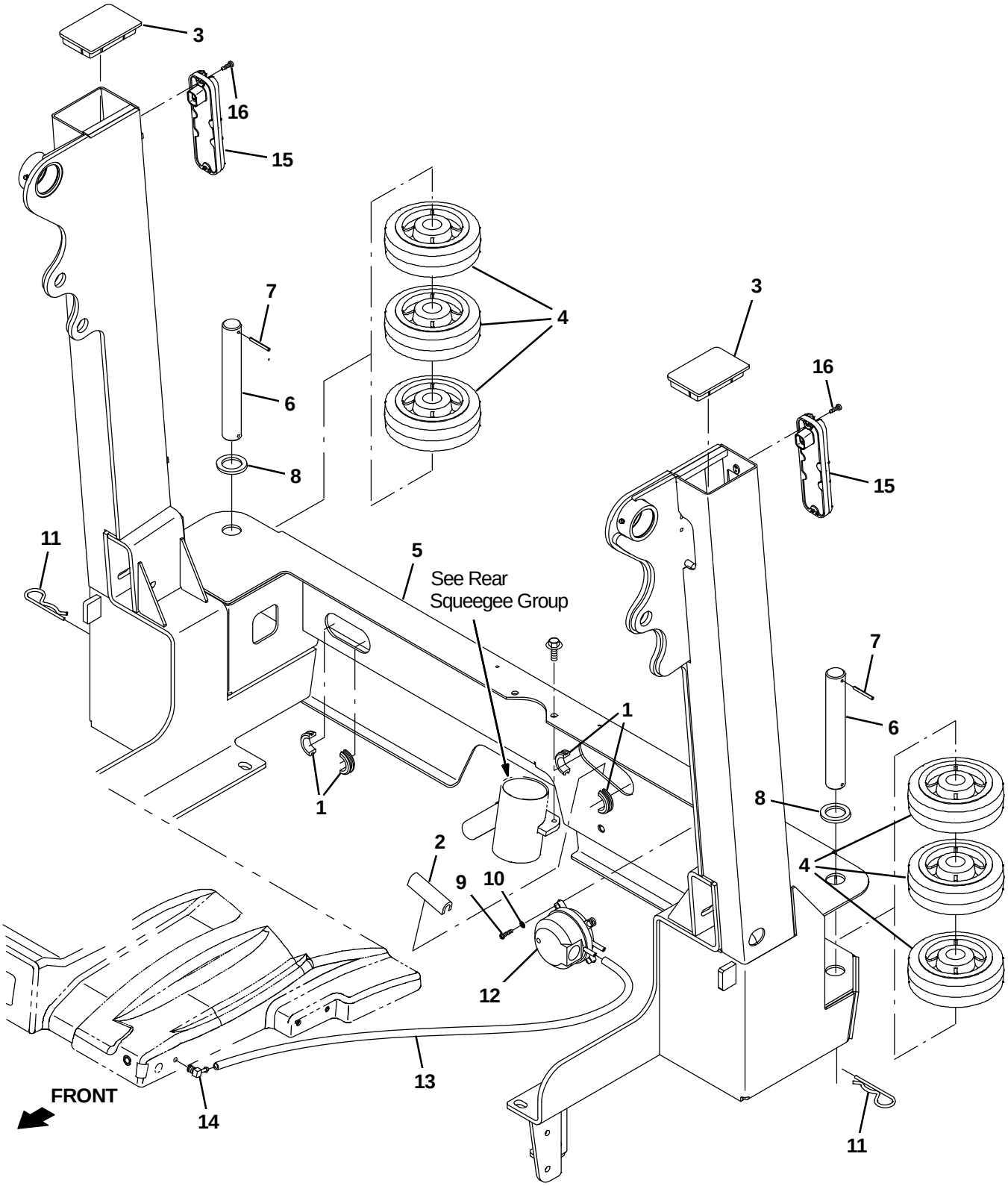


354612 – M30

Fig. 55 – Hopper Cover and Dust Filter Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1046427	(008000–)	Bracket, Latch, Cover, Hppr	2
2	09744	(008000–)	Screw, Hex, M6 X 1.00 X 12, Ss	4
3	01684	(008000–)	Washer, Flat, 0.27b 0.69d .05, Ss	4
4	1056298	(008000–)	Switch, Temp, Sealed, Nc	1
5	06922	(008000–)	Screw, Pan, Phl, M3 X 0.50 X 20, 4.8	2
6	19064	(008000–)	Washer, Flat, 06	2
7	32975	(008000–)	Washer, Lock, Int, 06	2
8	01754	(008000–)	Nut, Hex, Std, M3 X 0.50, 8	2
9	763116	(008000–)	Tie, Cable, Nyl, 15.3l . W 4.5 Max D	1
10	1018207	(008000–)	Bar, Mtg, Hppr Cover	2
11	09291	(008000–)	Screw, Hex, M10 X 1.50 X 20, Ss	2
12	1014563	(008000–)	Washer, Flat, 0.40b 1.12d .12, Ss	2
13	1041006	(008000–)	Cover, Hppr	1
14	1037235	(008000–)	Shaker Wldt	1
15	06963	(008000–)	Screw, Hex, M10 X 1.50 X 60, 8.8	2
16	39312	(008000–)	Nut, Hex, Std, M10 X 1.50	2
17	1037671	(008000–)	Strap, Mtg, Motor, .12 4.00w	1
18	09740	(008000–)	Screw, Hex, M8 X 1.25 X 20, Ss	4
19	01685	(008000–)	Washer, Flat, 0.38b 0.88d .08, Ss	4
20	36658	(008000–)	Strip, Rbr, 0.06 04.00w 05.0l [Neo/60]	1
21	36661	(008000–)	Strip, Rbr, 0.06 01.00w 04.0l	1
22	1059542	(008000–)	Motor, Ele, 12Vdc, Shakr	1
23	1053320	(008000–)	Weight, Eccentric	1
24	20634	(008000–)	Screw, Set, Soc, 10–24 X 0.25, Nl	2
25	1048295AM	(008000–)	Filter, Panl, Syn, 4.2 X 20.0 X 30.0	1
26	1037947	(008000–)	Tray, Perma–Filter	1
27	1222019	(008000–)	Latch, Yellow	2
28	09200	(008000–)	Screw, Pan, Phl, M5 X 0.80 X 12, Ss	4

Fig. 56 – Hopper Bumper Group

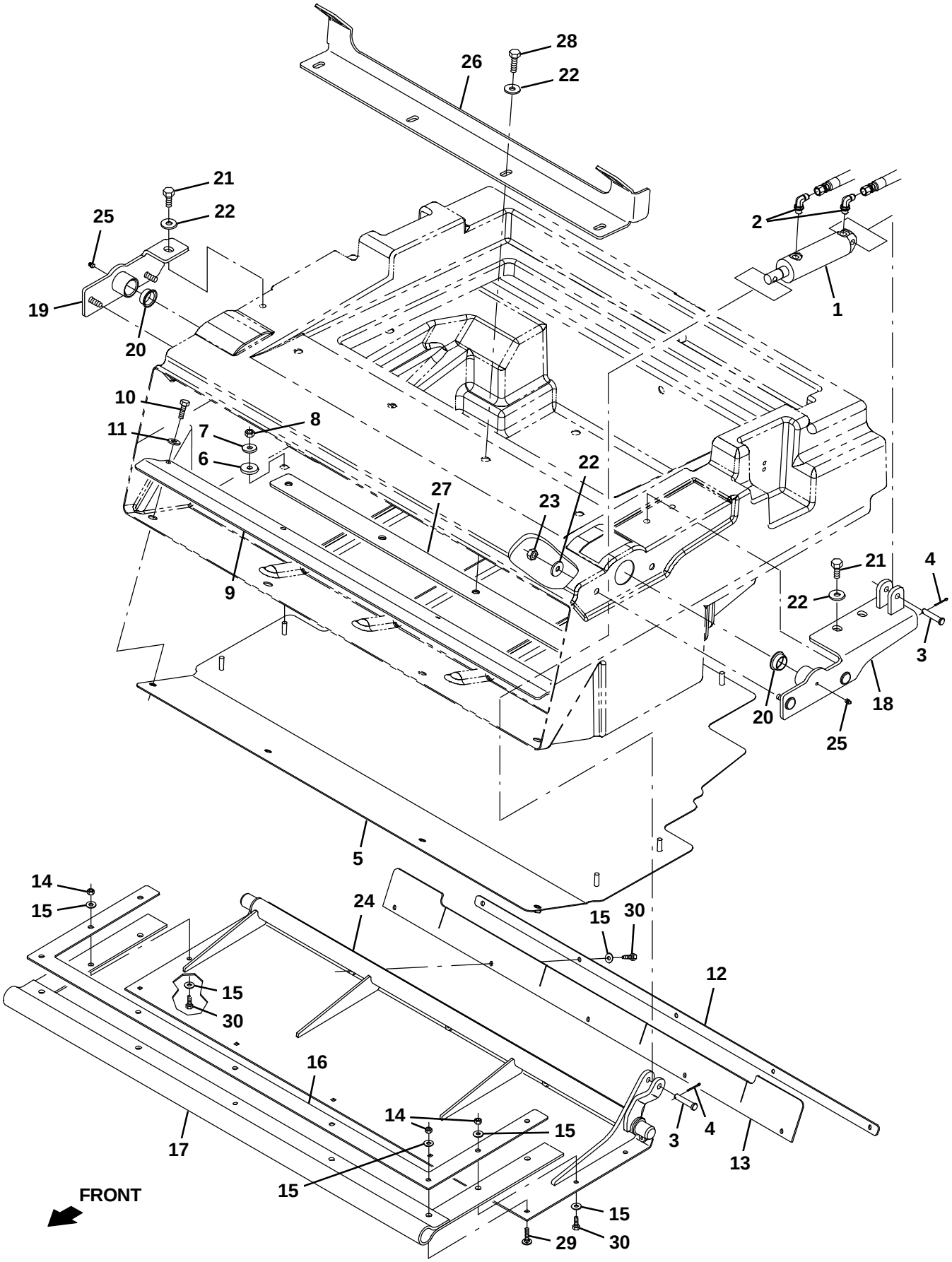


354613 – M30

Fig. 56 – Hopper Bumper Group

Ref.	Part No.	Serial Number	Description	Qty.
1	10632–13	(008000–)	Grommet, Rbr, 1.50id, F/1.8h, .19 Matl	2
2	50646	(008000–)	Molding, Trim, Pvc, .18–.31 07.5l	1
3	1018293	(008000–)	Cap, Arm, Lift	2
4	1060130	(008000–)	Wheel, 06.0d 2.00w 1.19b, Gray Rbr	6
5	1045529	(008000–)	Hopper Wldt, Lift [M30]	1
6	1053838	(008000–)	Pin, 30mmd X 215mml	2
7	23146	(008000–)	Pin, Roll, .187d X 1.62l, .187/.192	2
8	1062566	(008000–)	Washer, flat, 1.26B 1.88D .13, Stl, Pl	2
9	12323	(008000–)	Screw, Pan, Phl, M4 X 0.70 X 20, Ss	2
10	02938	(008000–)	Washer, Lock, Int, 08, Ss	2
11	34411	(008000–)	Pin, Cotter, Hair, 1.00d .178 Wir	2
12	1052885	(008000–)	Switch, Press, Adj [4–16 In Wtr]	1
13	1031575	(008000–)	Hose, Afmkt, Vacuum, 0.16id, 03ft	1
14	32183	(008000–)	Fitting, Brs, E90, Bm03/Pm02	1
15	1018208	(008000–)	Taillight, 12vdc	2
16	06928	(008000–)	Screw, Pan, Phl, M4 X 0.70 X 20, 4.8	4

Fig. 57 – Hopper Dump Door Group



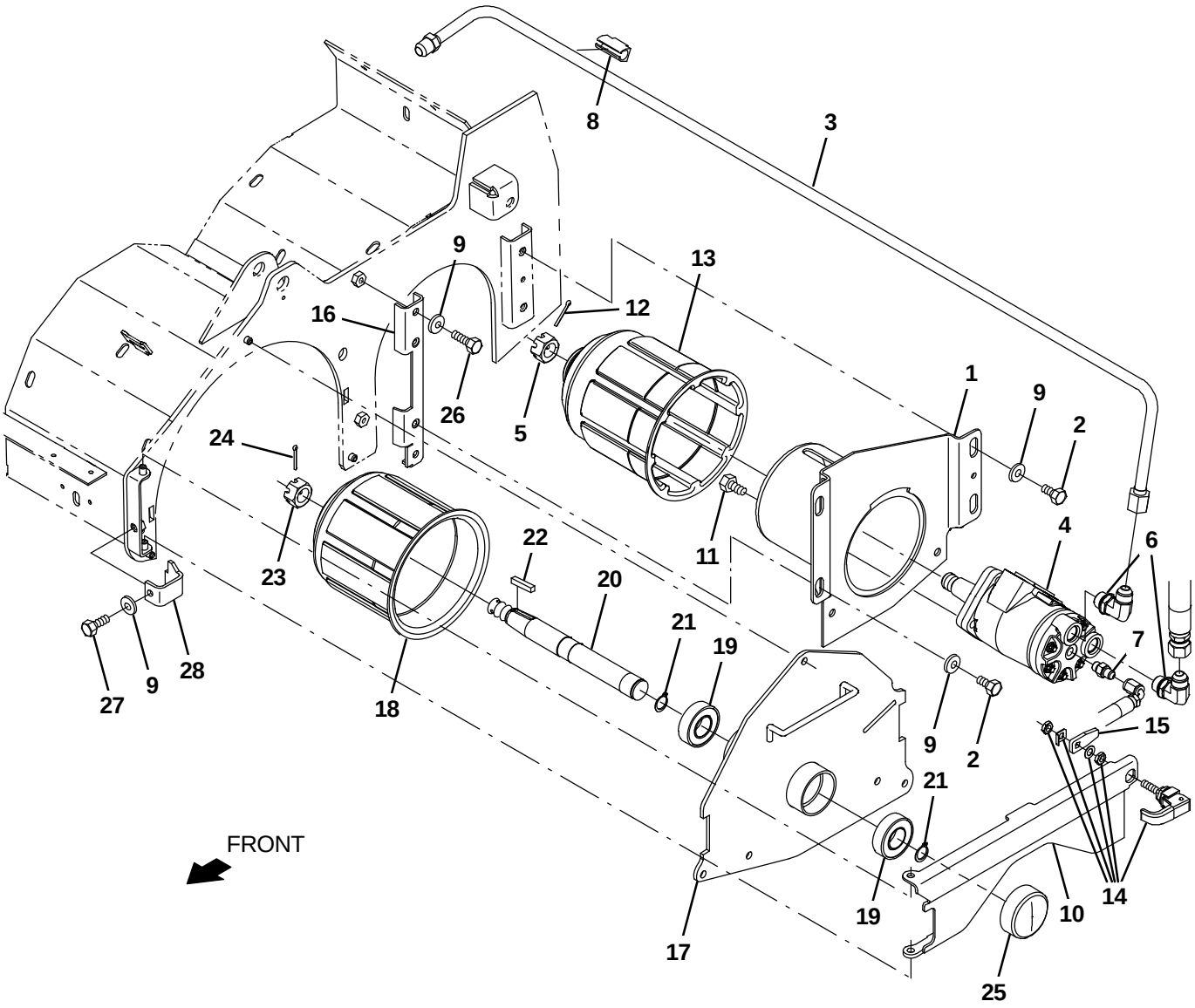
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354614 – M30

Fig. 57 – Hopper Dump Door Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1038115	(008000–)	Cylinder, Hyd, 1.5B 07.8L 02.75Strk 2500	1
2	77097	(008000–)	Fitting, Hyd, E90, Jm04/Om04	2
3	17461	(008000–)	Pin, Clevis, 0.37d X 1.75l	2
4	08179	(008000–)	Pin, Cotter, .094 X 1.00	2
5	1037843	(008000–)	Plate, Bottom, Hppr	1
6	222268	(008000–)	Washer, Flat, 0.38b 1.25d .12, Neo	4
7	1017218	(008000–)	Washer, Flat, 0.32b 1.00d .12, Ss	4
8	08713	(008000–)	Nut, Hex, Lock, M8 X 1.25, Nl, Ss	4
9	1034694	(008000–)	Bracket, Lip, Hppr	1
10	09010	(008000–)	Screw, Hex, M8 X 1.25 X 25, Ss	4
11	01685	(008000–)	Washer, Flat, 0.38b 0.88d .08, Ss	4
12	1034700	(008000–)	Strap, Door, Dump	1
13	1034701	(008000–)	Seal, Door, Dump	1
14	08712	(008000–)	Nut, Hex, Lock, M6 X 1.00, Nl, Ss	9
15	01684	(008000–)	Washer, Flat, 0.27b 0.69d .05, Ss	14
16	1034686	(008000–)	Plate, Retainer	1
17	1038126	(008000–)	Gasket, Door, Dump	1
18	1038123	(008000–)	Bracket Wldt, Pivot, Hppr Door, Lh	1
19	1038134	(008000–)	Bracket Wldt, Pivot, Hppr, Rh	1
20	367313	(008000–)	Bushing, Flng, 1.00b 1.13d 0.50l	2
21	09291	(008000–)	Screw, Hex, M10 X 1.50 X 20, Ss	3
22	1014563	(008000–)	Washer, Flat, 0.40b 1.12d .12, Ss	11
23	08714	(008000–)	Nut, Hex, Lock, M10 X 1.5, Nl, Ss	4
24	1038121	(008000–)	Door Wldt, Hppr [M30]	1
25	07259	(008000–)	Fitting, Grease, Str Pm04 .47l	2
26	1044993	(008000–)	Bracket, Cover, Hopper	1
27	1018253	(008000–)	Bracket, Cover	1
28	12317	(008000–)	Screw, Hex, M10 X 1.50 X 30, Ss	4
29	379791	(008000–)	Bolt, Carriage, M06 X 1.0 X 30	5
30	08716	(008000–)	Screw, Hex, M6 X 1.0 X 20, Ss	9

Fig. 58 – Brush Drive Group, Left Side

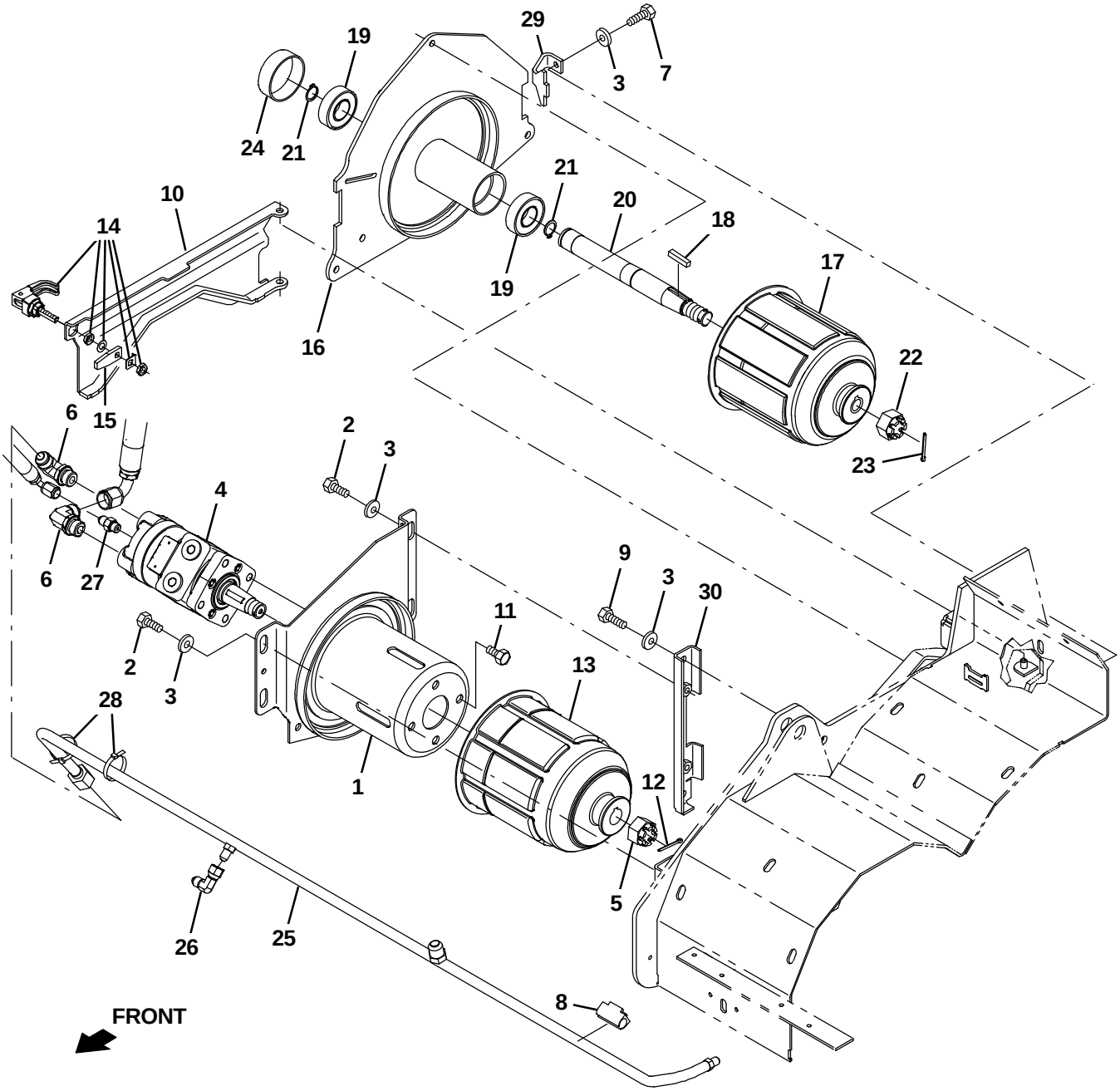


354615 – M30

Fig. 58 – Brush Drive Group, Left Side

	Ref.	Part No.	Serial Number	Description	Qty.
	1	1021019	(008000–)	Housing Wldt, Brush, Drive	1
	2	15675	(008000–)	Screw, Hex, M8 X 1.25 X 16, Ss	4
	3	1034243	(008000–)	Tube, Hyd, 08 Jf08/Jf08	1
▽	4	1068811	(008000–)	Motor, Hyd, Gear, Int 04.5 Bi–Dir 1500	1
▲	5	39527	(008000–)	Nut, Hex, Sltd, .75–16	1
	6	44868	(008000–)	Fitting, Hyd, E90, Jm08/Om08	2
	7	55586	(008000–)	Fitting, Hyd, Str, Jm04/Om04	1
	8	1026080	(008000–)	Clamp, Hyd, 0.50d	1
	9	32491	(008000–)	Washer, Flat, 0.31, Std	7
	10	1029964	(008000–)	Door Wldt, Brush	1
	11	01762	(008000–)	Screw, Hex, .38–16 X 0.75, Nl	4
	12	08175	(008000–)	Pin, Cotter, .125 X 1.25	1
	13	1057643	(008000–)	Plug Wldt, Drive, Brush, Sweep	1
▽		9022313	(008000–)	Latch Kit, Replmt [M20/T20/M30]	1
▲	14	1065134	(008000–)	Latch, Cmpr, Yel Grip	1
▲	15	1026352	(008000–)	Pawl, Str	1
	16	1054575	(008000–)	Bracket, Sppt	1
▽		9012832	(008000–)	Idler Door Kit, Replmt [M20/T20/M30]	1
▲	17	1054857	(008000–)	Door Wldt, Brush, Idler	1
▲	18	25686	(008000–)	Plug Wldt, Drive, Brush	1
▲	19	13534	(008000–)	Bearing, Ball, 0.98b 2.05d 0.59w	2
▲	20	56078	(008000–)	Shaft, Brush, Idler	1
▲	21	09005	(008000–)	Ring, Retaining, Ext, 1.00d, Basic	2
▲	22	00927	(008000–)	Key, Sq, 0.25 X 0.25, 1.25l	1
▲	23	12295	(008000–)	Nut, Hex, Sltd, M20 X 2.5, 8	1
▲	24	08175	(008000–)	Pin, Cotter, .125 X 1.25	1
▲	25	1074807	(008000–)	Cap, Vinyl, 57mmid X 23mml	1
	26	09010	(008000–)	Screw, Hex, M8 X 1.25 X 25, Ss	2
	27	09740	(008000–)	Screw, Hex, M8 X 1.25 X 20, Ss	1
	28	1054682	(008000–)	Bracket, Retainer, Lh	1

Fig. 59 – Brush Drive Group, Right Side



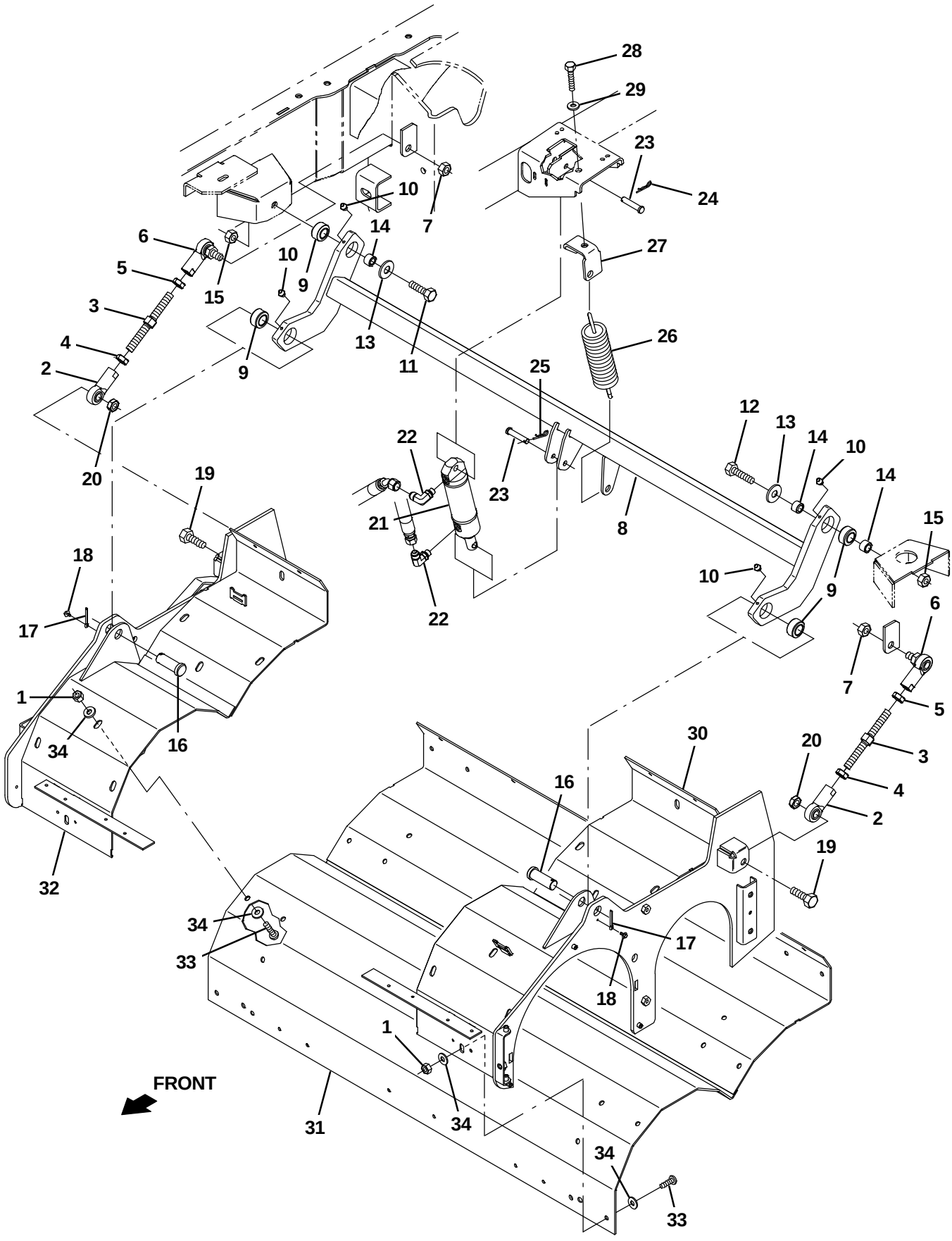
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354616 – M30

Fig. 59 – Brush Drive Group, Right Side

	Ref.	Part No.	Serial Number	Description	Qty.
	1	1021019	(008000–)	Housing Wldt, Brush, Drive	1
	2	15675	(008000–)	Screw, Hex, M8 X 1.25 X 16, Ss	4
	3	32491	(008000–)	Washer, Flat, 0.31, Std	7
▽	4	1068811	(008000–)	Motor, Hyd, Gear, Int 04.5 Bi–Dir 1500	1
▲	5	39527	(008000–)	Nut, Hex, Sltd, .75–16	1
	6	44868	(008000–)	Fitting, Hyd, E90, Jm08/Om08	2
	7	09740	(008000–)	Screw, Hex, M8 X 1.25 X 20, Ss	1
	8	1026080	(008000–)	Clamp, Hyd, 0.50d	1
	9	09010	(008000–)	Screw, Hex, M8 X 1.25 X 25, Ss	2
	10	1029964	(008000–)	Door Wldt, Brush	1
	11	01762	(008000–)	Screw, Hex, .38–16 X 0.75, Nl	4
	12	08175	(008000–)	Pin, Cotter, .125 X 1.25	1
	13	1057643	(008000–)	Plug Wldt, Drive, Brush, Sweep	1
▽		9022313	(008000–)	Latch Kit, Replmt [M20/T20/M30]	1
▲	14	1065134	(008000–)	Latch, Cmpr, Yel Grip	1
▲	15	1026352	(008000–)	Pawl, Str	1
▽		9012832	(008000–)	Idler Door Kit, Replmt [M20/T20/M30]	1
▲	16	1054857	(008000–)	Door Wldt, Brush, Idler	1
▲	17	25686	(008000–)	Plug Wldt, Drive, Brush	1
▲	18	00927	(008000–)	Key, Sq, 0.25 X 0.25, 1.25l	1
▲	19	13534	(008000–)	Bearing, Ball, 0.98b 2.05d 0.59w	2
▲	20	56078	(008000–)	Shaft, Brush, Idler	1
▲	21	09005	(008000–)	Ring, Retaining, Ext, 1.00d, Basic	2
▲	22	12295	(008000–)	Nut, Hex, Sltd, M20 X 2.5, 8	1
▲	23	08175	(008000–)	Pin, Cotter, .125 X 1.25	1
▲	24	1074807	(008000–)	Cap, Vinyl, 57mmid X 23mml	1
	25	1055153	(008000–)	Tube, Hyd, Brush Return, W/ Cd [M30]	1
	26	39210	(008000–)	Fitting, Hyd, E90, Jf04/Jm04	1
	27	55586	(008000–)	Fitting, Hyd, Str, Jm04/Om04	1
	28	49266	(008000–)	Tie, Cable, Nyl, 07.3l .19w 1.8 Max D	2
	29	1054610	(008000–)	Bracket, Retainer, Rh	1
	30	1054575	(008000–)	Bracket, Sppt	1

Fig. 60 – Brush Head Lift Group

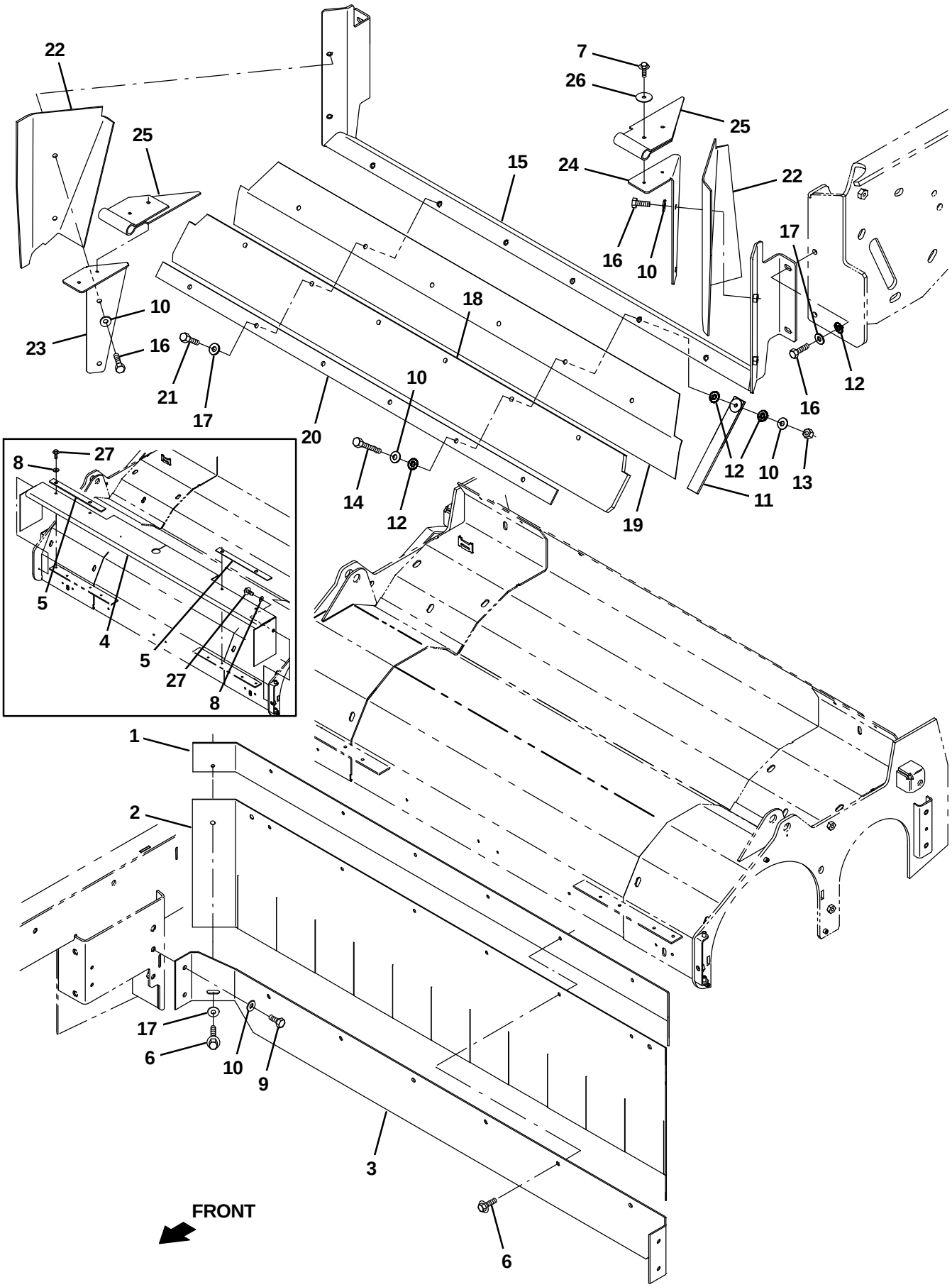


354617 – M30

Fig. 60 – Brush Head Lift Group

Ref.	Part No.	Serial Number	Description	Qty.
1	08713	(008000–)	Nut, Hex, Lock, M8 X 1.25, Nl, Ss	10
2	67555	(008000–)	Rod–End, 0.50–20rh Fem 0.50b	2
3	1014705	(008000–)	Rod, Thrd, 2 End, .50–20 04.9l, Rh / Lh	2
4	48985	(008000–)	Nut, Hex, Jam, .50–20	2
5	71369	(008000–)	Nut, Hex, Jam, .50–20, Lh	2
6	382099	(008000–)	Rod–End, 0.50–20lh Fem 0.50–20stud	2
7	51824	(008000–)	Nut, Hex, Lock, .50–20, Nl, Thin	2
8	1033258	(008000–)	Tube Wldt, Torque	1
9	42120	(008000–)	Bearing, Self Align, 0.75b 1.25d	4
10	07259	(008000–)	Fitting, Grease, Str Pm04 .47l	4
11	06969	(008000–)	Screw, Hex, M12 X 1.75 X 40, 8.8	1
12	06972	(008000–)	Screw, Hex, M12 X 1.75 X 60, 8.8	1
13	41619	(008000–)	Washer, Flat, 0.56b 1.38d .11, Ss	2
14	1025100	(008000–)	Sleeve, P/M, 0.47b 0.75d 0.5l [430ss]	3
15	09741	(008000–)	Nut, Hex, Lock, M12 X 1.75, Nl, Ss	2
16	04733–12	(008000–)	Pin, Clevis, 0.75d X 2.00l	2
17	08236	(008000–)	Pin, Cotter, .156 X 1.25	2
18	223198	(008000–)	Screw, Hex, M5 X 0.80 X 10, Fmg	2
19	39811	(008000–)	Screw, Hex, .50–13 X 1.50, G5	2
20	36644	(008000–)	Nut, Hex, Lock, .50–13, Nl, Thin	2
21	1038137	(008000–)	Cylinder, Hyd, 1.5b 07.8l 02.80strk 2500	1
22	77098	(008000–)	Fitting, Hyd, E90, Jm06/Om04	2
23	17461	(008000–)	Pin, Clevis, 0.37d X 1.75l	2
24	86866	(008000–)	Pin, Cotter, Hair, 0.38d .072 Wir	1
25	08179	(008000–)	Pin, Cotter, .094 X 1.00	1
26	1042686	(008000–)	Spring, Extn, 2.00od 0.25wir 07.5l	1
27	1027810	(008000–)	Bracket, Mtg, Spring	1
28	763090	(008000–)	Screw, Hex, M8 X 1.25 X 60, Fl	1
29	32491	(008000–)	Washer, Flat, 0.31, Std	1
30	1052342	(008000–)	Bracket Wldt, Brush Wrap, Lh	1
31	1069562	(008000–010000)	Plate Wldt, Wrap, Brush	1
31	1077002	(010001–)	Plate Wldt, Wrap, Brush	1
32	1052124	(008000–)	Bracket Wldt, Brush Wrap Mtg, Rh	1
33	223470	(008000–)	Screw, Btn, M8 X 1.25 X 25, Ss	10
34	32491	(008000–)	Washer, Flat, 0.31, Std	20

Fig. 61 – Brush Head Skirt Group



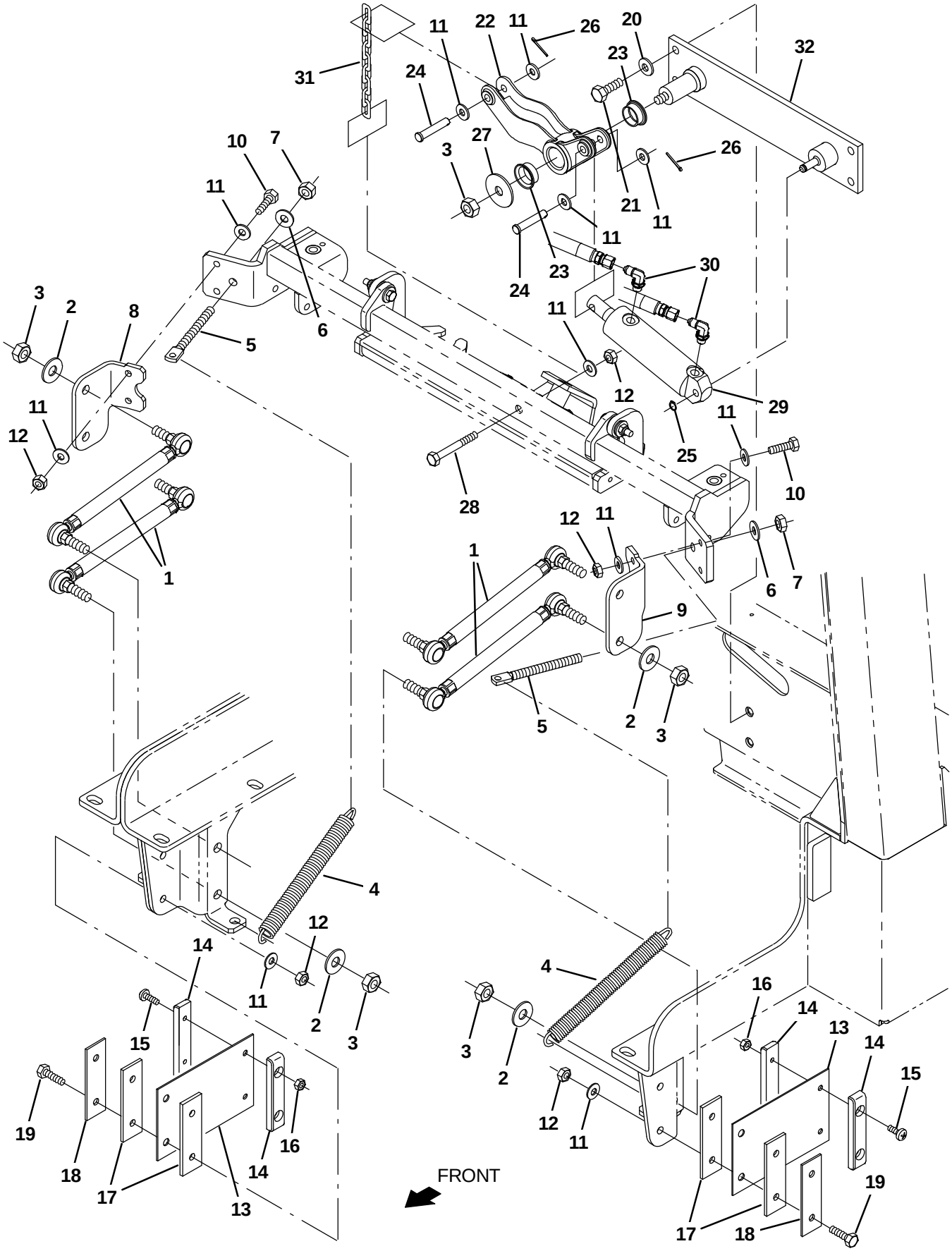
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354618 – M30

Fig. 61 – Brush Head Skirt Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1033267	(008000–)	Plate, Skirt, Front	1
2	1033269	(008000–)	Skirt, Neo, .06, 12.00w 53.50l, 10/ Hole	1
3	1033573	(008000–)	Retainer, Skirt, Front	1
4	1033265	(008000–010000)	Skirt, Neo, .06, 08.40w 58.50l, 12/ Hole	1
5	1022003	(008000–010000)	Retainer, Skirt, .12, 0.8w X 09.1l, Gray	2
6	76099	(008000–)	Screw, Hex, M8 X 1.25 X 25, Fmg	8
7	361339	(008000–)	Screw, Hex, M6 X 1.00 X 16, Fmg	4
8	01684	(008000–010000)	Washer, Flat, 0.27b 0.69d .05, Ss	6
9	09740	(008000–)	Screw, Hex, M8 X 1.25 X 20, Ss	4
10	01685	(008000–)	Washer, Flat, 0.38b 0.88d .08, Ss	10
11	71579	(008000–)	Strap, Static, W/Grommet, .19 1.1w 25.0l	1
12	41141	(008000–)	Washer, Lock, Int–Ext, 0.31	7
13	08713	(008000–)	Nut, Hex, Lock, M8 X 1.25, Nl, Ss	1
14	33401	(008000–)	Screw, Hex, M8 X 1.25 X 50, Fl, Ss	1
15	1033538	(008000–)	Bracket Wldt, Flap, Recirculation	1
16	09010	(008000–)	Screw, Hex, M8 X 1.25 X 25, Ss	8
17	32491	(008000–)	Washer, Flat, 0.31, Std	11
18	1033548	(008000–)	Skirt, Rbr, .37, 04.50w 48.00l, 06/ Hole	1
19	1033549	(008000–)	Skirt, Neo, .06, 06.38w 48.00l, 06/ Hole	1
20	1033550	(008000–)	Strip, Flap, Recirculation	1
21	09011	(008000–)	Screw, Hex, M8 X 1.25 X 30, Ss	5
22	1034328	(008000–)	Skirt, Neo, .13, 08.25w 13.98l, 02/ Hole	2
23	1039620	(008000–)	Retainer, Skirt, .12, Rh	1
24	1039622	(008000–)	Retainer, Skirt, .12, Lh	1
25	1039623	(008000–)	Skirt, Neo, .06, 03.35w 12.90l, 04/ Hole	2
26	41178	(008000–)	Washer, Flat, 0.25, Fendr	4
27	361339	(008000–010000)	Screw, Hex, M6 X 1.00 X 16, Fmg	6

Fig. 62 – Squeegee Lift Group, Rear

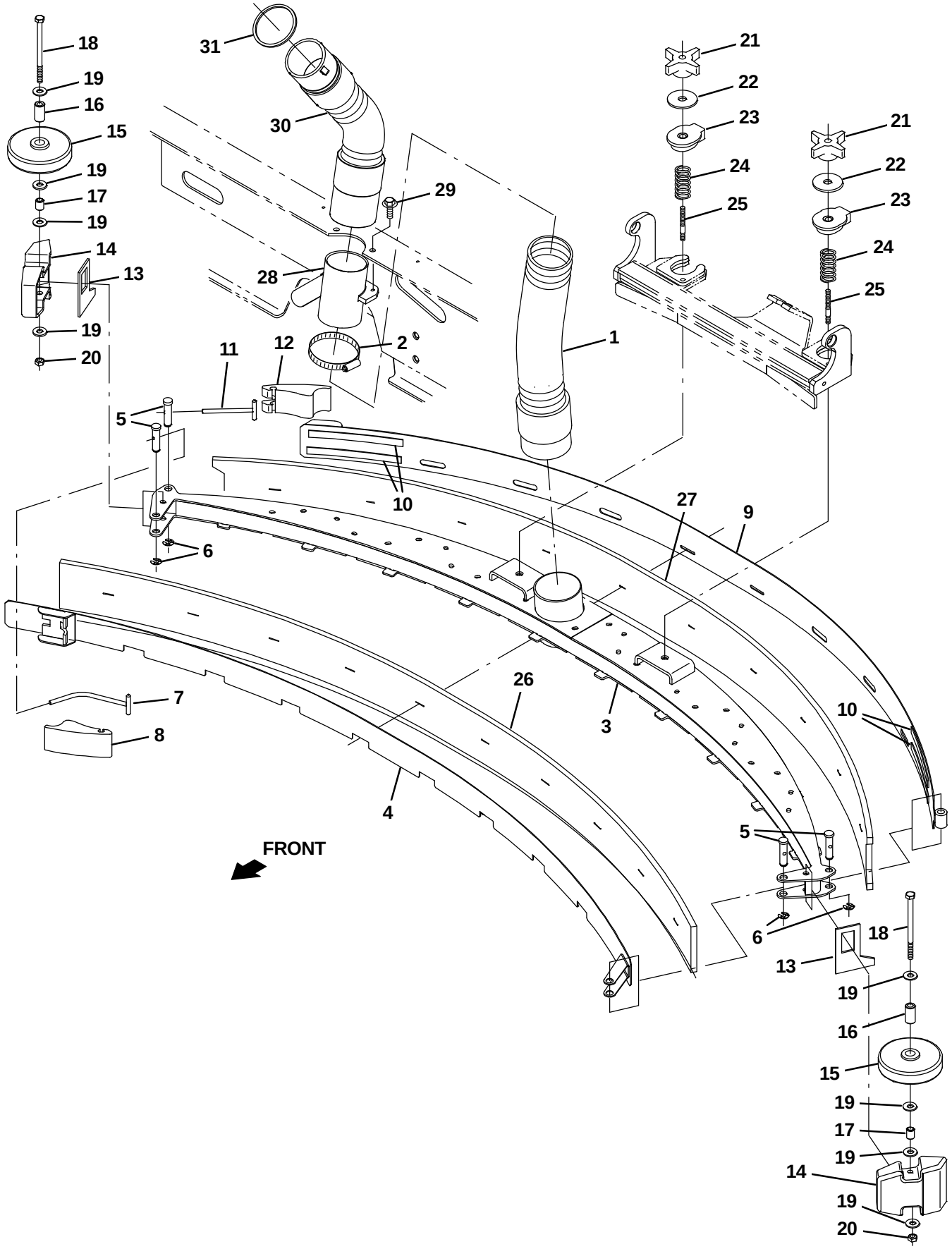


354439

Fig. 62 – Squeegee Lift Group, Rear

Ref.	Part No.	Serial Number	Description	Qty.
1	1026007	(008000–)	Link Assy, Rod–End, M12	4
2	41619	(008000–)	Washer, Flat, 0.56b 1.38d .11, Ss	8
3	09741	(008000–)	Nut, Hex, Lock, M12 X 1.75, Nl, Ss	9
4	46785–1	(008000–)	Spring, Extn, 0.88od X 0.14wir, 9.0l	2
5	386847	(008000–)	Bolt, Eye, M10 X 1.50 X 064mm, 07.10 Eye	2
6	01686	(008000–)	Washer, Flat, 0.44b 1.00d .08, Ss	2
7	08714	(008000–)	Nut, Hex, Lock, M10 X 1.5, Nl, Ss	2
8	1022372	(008000–)	Angle, Rh	1
9	1022442	(008000–)	Angle, Lh	1
10	09010	(008000–)	Screw, Hex, M8 X 1.25 X 25, Ss	4
11	01685	(008000–)	Washer, Flat, 0.31, Ss	15
12	08713	(008000–)	Nut, Hex, Lock, M8 X 1.25, Nl, Ss	9
13	71204	(008000–)	Spring, Flt, 0.08th, 4.50w X 07.0l	2
14	1024648	(008000–)	Block, Centering	4
15	367770	(008000–)	Screw, Pan, M6 X 1.0 X 16, Ss	4
16	08712	(008000–)	Nut, Hex, Lock, M6 X 1.0, Ss, Nl	4
17	1024641	(008000–)	Spacer, Pad, Rbr	4
18	1024703	(008000–)	Retainer, Spring	2
19	09023	(008000–)	Screw, Hex, M8 X 1.25 X 35, Ss, Fl	4
20	41187	(008000–)	Washer, Flat, Belleville, .38	4
21	12317	(008000–)	Screw, Hex, M10 X 1.5 X 30, Ss	4
22	1025680	(008000–)	Bellcrank, Lift, Sqge	1
23	367313	(008000–)	Bushing, Flng, 1.00b 1.13d 0.50l	2
24	29584	(008000–)	Pin, Clevis, 0.37d X 2.00l	2
25	23524–1	(008000–)	Ring, Retaining, Ext, 0.38d, [Selflock]	1
26	08179	(008000–)	Pin, Cotter, .094 X 1.00	2
27	04414	(008000–)	Washer, Flat, 0.53b 1.88d .12, Stl, Pl	1
28	06957	(008000–)	Screw, Hex, M8 X 1.25 X 60, 8.8	1
29	1038137	(008000–)	Cylinder, Hyd, 1.5b 07.8l 02.80strk 2500	1
30	77097	(008000–)	Fitting, Hyd, E90, Jm04/Om04	2
31	1023779	(008000–)	Chain, Str, 4/0, 08 Link	1
32	1021609	(008000–)	Plate Wldt, Lift, Sqge	1

Fig. 63 – Squeegee Group, Rear

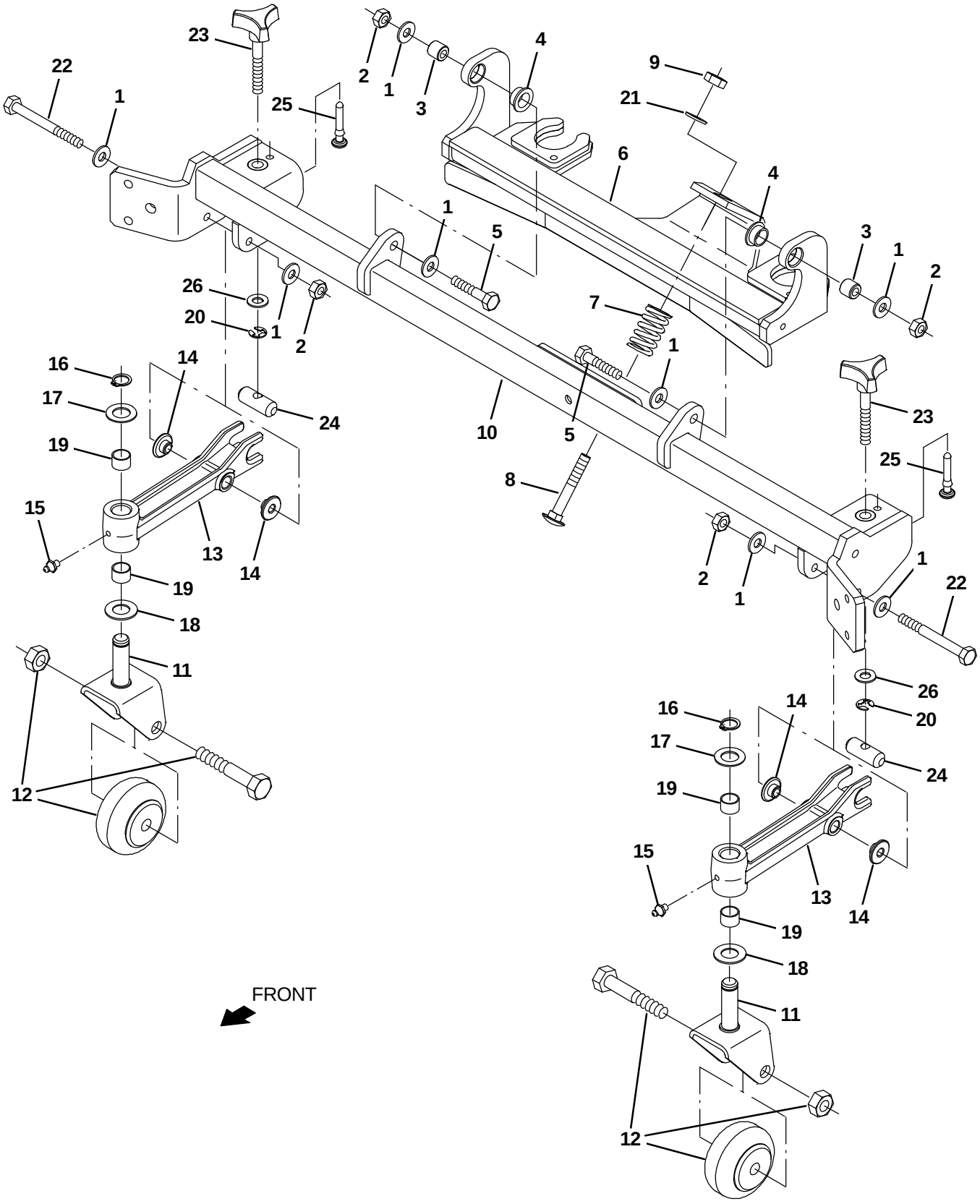


354620 – M30

Fig. 63 – Squeegee Group, Rear

	Ref.	Part No.	Serial Number	Description	Qty.
	1	1021511	(008000–008292)	Hose, Vacuum, 3.00id X 019.0l, 1cuff	1
	1	1234534	(008293–)	Hose, Vacuum, 3.00id X 019.0l, 1cuff	1
	2	43555	(008000–)	Clamp, Hose, Wormdrive, 2.50–3.50d, .50w	1
▽		9004496	(008000–	Squeegee Kit, Rear, Replmt [M30]	1
▲	3	1034862	(008000–)	Squeegee Wldt, Rear	1
▲	4	1035143	(008000–)	Clamp Wldt, Front	1
▲	5	21603	(008000–)	Pin, Grvd, 0.43d 01.8l [303ss]	4
▲	6	24555	(008000–)	Ring, Retaining, Ext, 0.38d, [E–Ring]	4
▲	7	386298	(008000–)	Pin Wldt, Front	1
▲	8	1222020	(008000–)	Cam, Front, Yellow	1
▲	9	1035145	(008000–)	Clamp Wldt, Rear	1
▲	10	03495	(008000–)	Strip, Non Slip, 0.50w 06.0l	4
▲	11	21606	(008000–)	Bar Wldt, Retainer, Sqge, Rear	1
▲	12	1208906	(008000–)	Cam, Rear, Yellow	1
▲	13	83874	(008000–)	Gasket, Sqge	2
▲	14	386264	(008000–)	Bumper, Sqge	2
▲	15	363162	(008000–)	Wheel, 04.0d 0.89w 0.64b	2
▲	16	363301	(008000–)	Sleeve, P/M, 0.34b 0.63d 1.2l, Bnz	2
▲	17	80395	(008000–)	Sleeve, P/M, 0.31b 0.50d 0.7l [430ss]	2
▲	18	364441	(008000–)	Screw, Hex, M8 X 1.25 X 110, Ss	2
▲	19	01685	(008000–)	Washer, Flat, 0.38b 0.88d .08, Ss	8
▲	20	08713	(008000–)	Nut, Hex, Lock, M8 X 1.25, Nl, Ss	2
	21	1218322	(008000–)	Knob, Star, 2.75d 4ear, M8x1.25 Fem	2
	22	04414	(008000–)	Washer, Flat, 0.53b 1.88d .12, Stl, Pl	2
	23	387433	(008000–)	Ring, Mtg, Sqge, .50l	2
	24	387500	(008000–)	Spring, Cmpr, 0.90od .04wir 02.0l	2
	24	1226700	(008000–)	Stud, M8 X 1.25, 2.75l M8 X 1.25, Ss	2
	26	1035067	(008000–)	Blade, Sqge, .38 3.50W 058.0L [Linard]	1
	26	1038681	(008000–)	Blade, Sqge, .38 3.50W 058.7L, Ure (Option)	1
	27	1035052	(008000–)	Blade, Sqge, .38 4.00W 063.0L, Linatex	1
	27	1038680	(008000–)	Blade, Sqge, .38 4.00W 063.2L, Ure (Option)	1
	28	1036240	(008000–)	Tube, Vacuum	1
	29	1037346	(008000–)	Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	2
	30	1031610	(008000–)	Hose Assy, Sqge	1
	31	1021920	(008000–)	Gasket, 3.23id 3.63od .16th, Ure	1

Fig. 64 – Squeegee Linkage Group, Rear

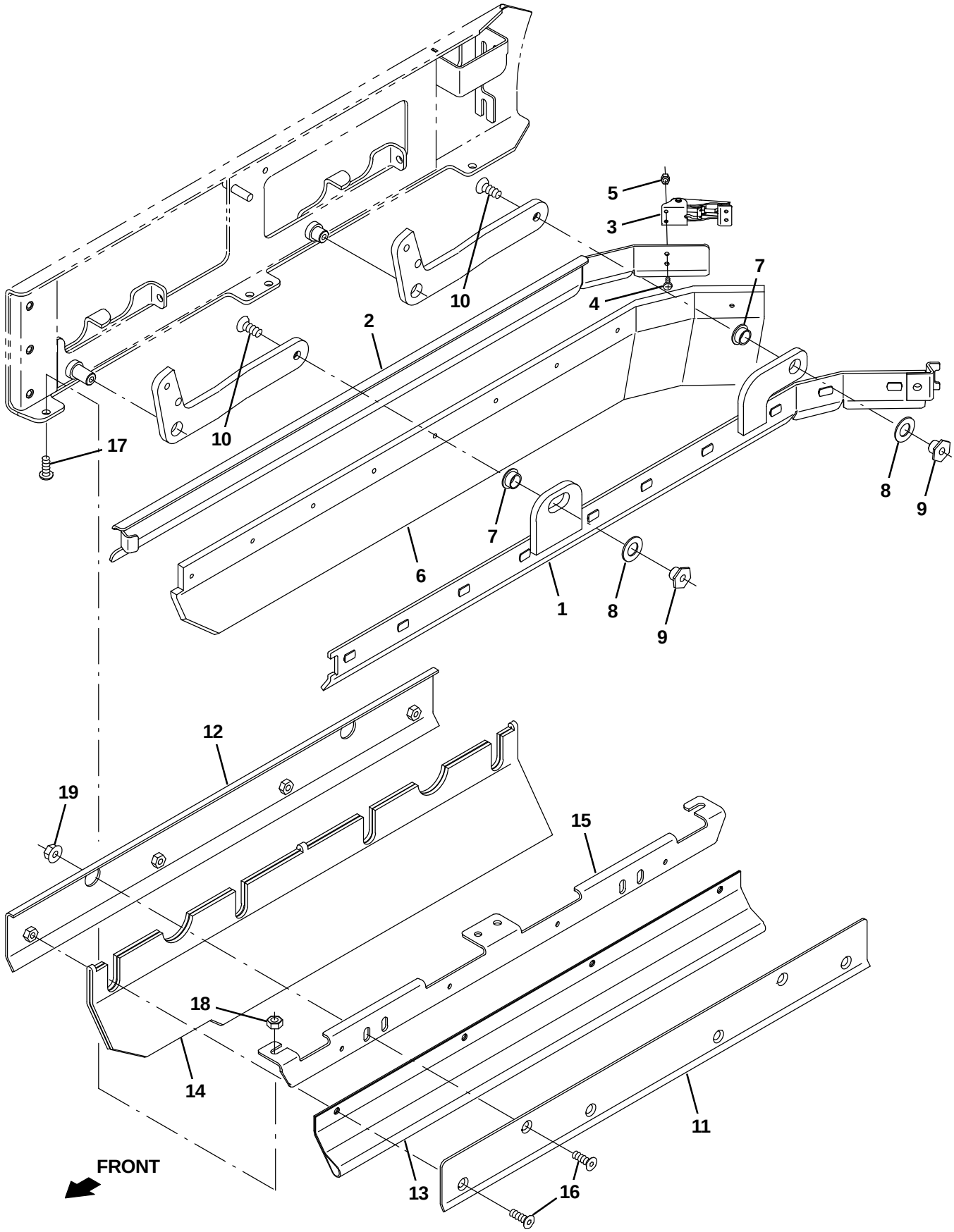


354621 – M30

Fig. 64 – Squeegee Linkage Group, Rear

	Ref.	Part No.	Serial Number		Description	Qty.
	1	01685	(008000–	)	Washer, Flat, 0.31, Ss	8
	2	08713	(008000–	)	Nut, Hex, Lock, M8 X 1.25, Nl, Ss	4
	3	80409	(008000–	)	Sleeve, P/M, 0.34b 0.63d 0.6l, Bnz	2
	4	25735	(008000–	)	Bushing, Flng, 0.63b 0.75d 0.38l	2
	5	222505	(008000–	)	Screw, Hex, M8 X 1.25 X 45, Ss	2
	6	1023476	(008000–	)	Bracket Wldt, Mtg, Sqge	1
	7	65180	(008000–	)	Spring, Dsl, 1.00od 0.50id 1.7l	1
	8	1025601	(008000–	)	Bolt, Carriage, M10 X 1.5 X 70	1
	9	08714	(008000–	)	Nut, Hex, Lock, M10 X 1.5, Nl, Ss	1
	10	1034812	(008000–	)	Crossmember Wldt	1
▽		9019347	(008000–	)	Caster Assy, F/ Sqge, Replmt[M30]	2
▲	11	1021404	(008000–	)	Bracket Wldt, Mtg, Caster	1
▲	12	9014285	(008000–	)	Caster Kit, Rear Squeegee, Am	1
▲	13	1069385	(008000–	)	Caster, Pivot	1
▲	14	80950	(008000–	)	Bushing, Flng, 0.32b 0.50d 0.24l, Bnz	2
▲	15	07259	(008000–	)	Fitting, Grease, Str Pm04 .47l	1
▲	16	33373	(008000–	)	Ring, Retaining, Ext, 0.62d, Hd	1
▲	17	63468	(008000–	)	Washer, Flat, 0.69b 1.19d .06, Stl, Pl	1
▲	18	64425	(008000–	)	Washer, Thrust, 0.61b 1.25d .06, Fgl	1
▲	19	07449	(008000–	)	Bushing, Sleeve, 0.62b 0.72d 0.50l, Fgl	2
	20	24555	(008000–	)	Ring, Retaining, Ext, 0.38d, [E–Ring]	2
	21	1014563	(008000–	)	Washer, Flat, 0.40b 1.12d .12, Ss	1
	22	39281	(008000–	)	Screw, Hex, M8 X 1.25 X 90, 8.8	2
	23	1222043	(008000–	)	Knob Assy, Star, 1.12d 3ear M10, Yellow	2
	24	1021497	(008000–	)	Pin, 0.63d 01.8l, 1/M10h, 2cham	2
	25	1035727	(002050–	)	Stop, Rotation	2
	26	32485	(008000–	)	Washer, Flat, 0.38 Sae	2

Fig. 65 – Squeegee Group, Right Side

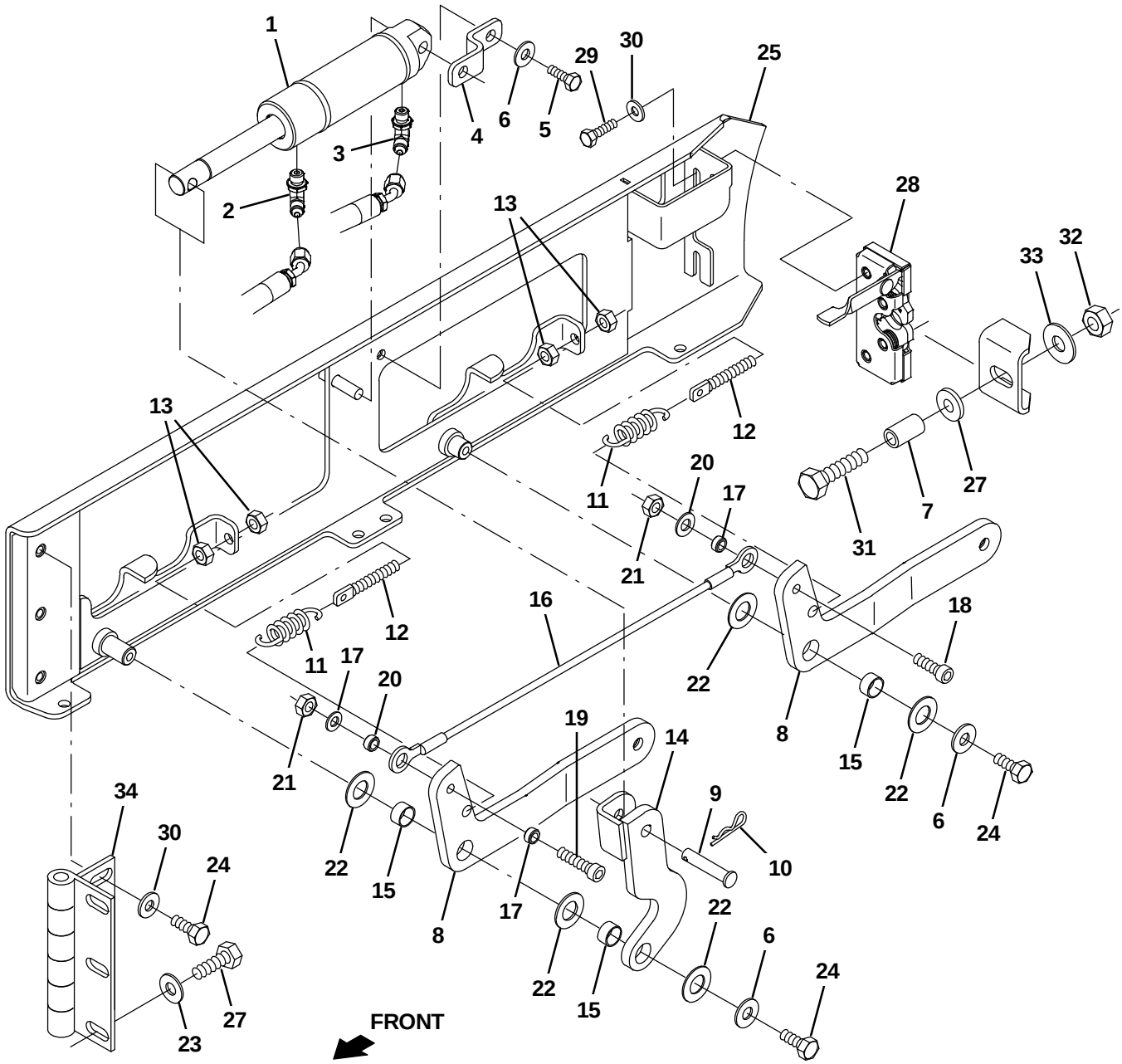


354442 – M20, M30

Fig. 65 – Squeegee Group, Right Side

Ref.	Part No.	Serial Number	Description	Qty.
1	1029132	(008000–)	Frame Wldt, Sqge, Rh	1
2	1029128	(008000–)	Retainer, Sqge, Rh Side	1
3	1222018	(008000–)	Latch, Door, Yellow	1
4	49697	(008000–)	Screw, Pan, Phl, M4 X 0.70 X 10, Ss	2
5	33932	(008000–)	Nut, Hex, Lock, M4 X 0.70, Nl, Ss	2
6	1031011	(008000–)	Blade, Sqge, .38 3.55w 038.3l, Linatex	1
6	1031823	(008000–)	Blade, Sqge, .38 3.55w 038.3l, Ure (Option)	1
7	25735	(008000–)	Bushing, Flng, 0.63b 0.75d 0.38l	2
8	1267143	(008000–)	Washer, Thrust, 16mmb 30mmd 1.5thk	2
9	1022846	(008000–)	Nut, T, M10 X 1.50 X 15.80od X 13.0l	2
10	09081	(008000–)	Screw, Flt, Soc, M10 X 1.50 X 25, 10.9	2
11	1024584	(008000–)	Bracket, Mtg, Skirt, Brush Door	1
12	1024651	(008000–)	Bracket, Mtg, Skirt, Door	1
13	1024586	(008000–)	Skirt, Neo, .06, 06.85w 27.95l, 08/ Hole	1
14	1019295	(008000–)	Skirt, Neo, .18, 10.37w 27.95l, 12/ H&S	1
15	1025151	(008000–)	Bracket, Mtg, Skirt, Brush Door	1
16	222463	(008000–)	Screw, Flt, Soc, M8 X 1.25 X 20, Al, Blk	6
17	393135	(008000–)	Screw, Btn, M8 X 1.25 X 20, Blk	4
18	08713	(008000–)	Nut, Hex, Lock, M8 X 1.25, Nl, Ss	4
19	07791	(008000–)	Nut, Hex, Flng, M8 X 1.25	2

Fig. 66 – Squeegee Lift Group, Right Side

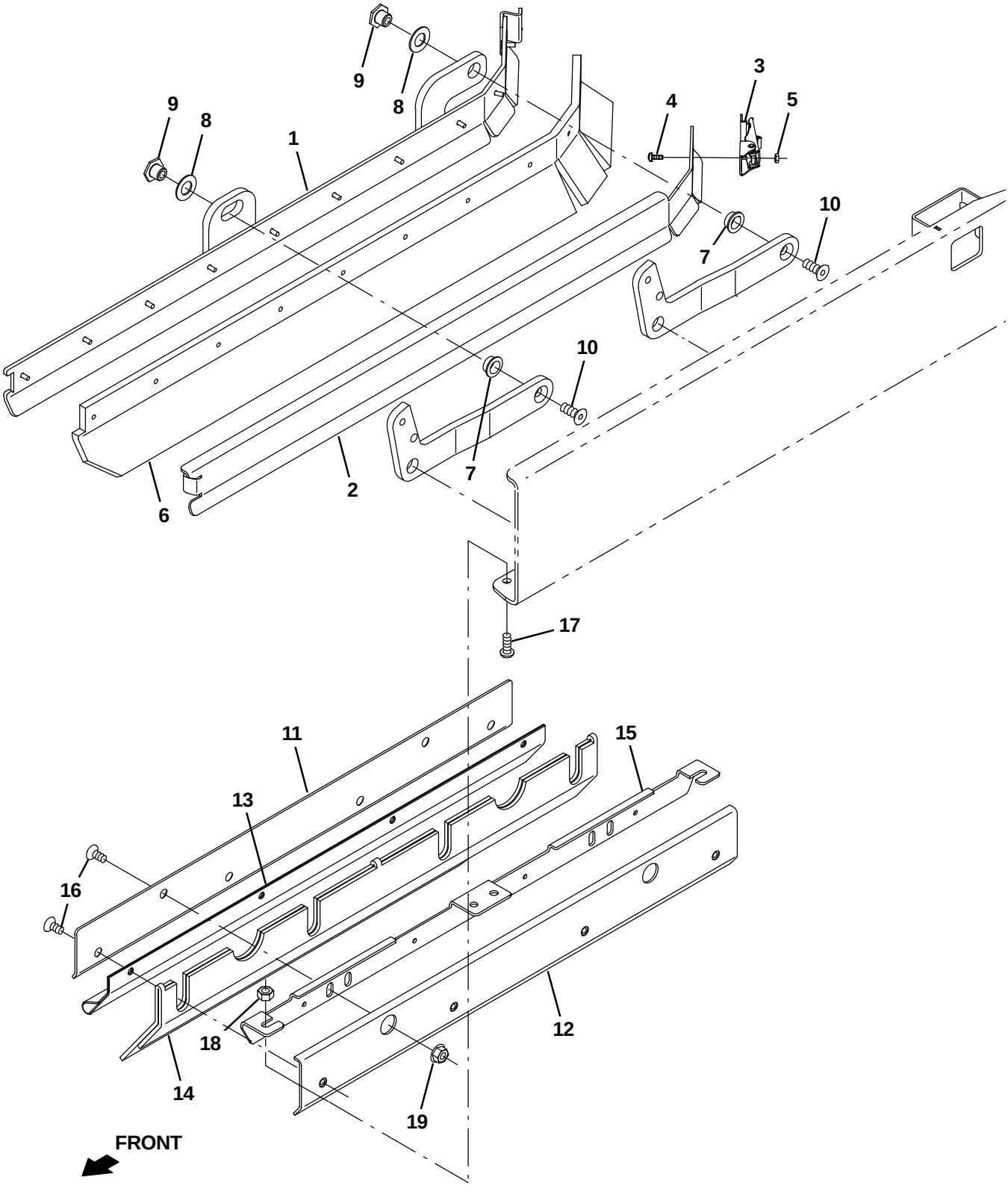


354443

Fig. 66 – Squeegee Lift Group, Right Side

Ref.	Part No.	Serial Number	Description	Qty.
1	1038137	(008000–)	Cylinder, Hyd, 1.5b 07.8l 02.80strk 2500	1
2	77097	(008000–)	Fitting, Hyd, E90, Jm04/Om04	1
3	1028635	(008000–)	Fitting, Hyd, Rst, Spcl	1
4	1022825	(008000–)	Bracket, Mtg, Cyl	1
5	08716	(008000–)	Screw, Hex, M6 X 1.00 X 20, Ss	1
6	01685	(008000–)	Washer, Flat, 0.31, Ss	3
7	1039348	(008000–)	Sleeve, 0.49b 0.68d 1.2l [304ss]	1
8	1020548	(008000–)	Arm, Sqge, Side, Rh	2
9	17461	(008000–)	Pin, Clevis, 0.37D X 1.75L	1
10	08182	(008000–)	Pin, Cotter, .125 X 1.00	1
11	87816	(008000–)	Spring, Extn, 0.75od X 0.09wir, 2.5l	2
12	386088	(008000–)	Bolt, Eye, M08 X 1.25 X 070mm, 05.50 Eye	2
13	07786	(008000–)	Nut, Hex, Std, M8 X 1.25, Ss	4
14	1023306	(008000–)	Arm Wldt, Sqge, Lift, Rh	1
15	71607	(008000–)	Bushing, Sleeve, 0.63b 0.72d 0.38l	3
16	81784	(008000–)	Cable, Glv .13d 015.8l .50eye /.50eye	1
17	360801	(008000–)	Sleeve, 0.31b 0.50d 0.3l, Ss	3
18	39308	(008000–)	Screw, Soc, M8 X 1.25 X 25, 12.9	1
19	41445	(008000–)	Screw, Soc, M8 X 1.25 X 35, 12.9	1
20	39349	(008000–)	Washer, Flat, 0.31 Sae	2
21	08709	(008000–)	Nut, Hex, Lock, M8 X 1.25, Nl	2
22	64425	(008000–)	Washer, Thrust, 0.61b 1.25d .06, Fgl	5
23	41187	(008000–)	Washer, Flat, Belleville, .38	3
24	09740	(008000–)	Screw, Hex, M8 X 1.25 X 20, Ss	5
25	1019031	(008000–)	Door Wldt, Brush, Rh	1
26	09028	(008000–)	Screw, Hex, M10 X 1.5 X 25, Ss	3
27	36328	(008000–)	Washer, Flat, Belleville, .50	1
28	1222036	(008000–)	Latch, Hook, Yellow	1
29	09007	(008000–)	Screw, Hex, M6 X 1.0 X 25, Ss	2
30	41185	(008000–)	Washer, Flat, Belleville, .25	5
31	379870	(008000–)	Screw, Hex, M12 X 1.75 X 55, Ss	1
32	07788	(008000–)	Nut, Hex, Std, M12 X 1.75, Ss	1
33	41619	(008000–)	Washer, Flat, 0.56b 1.38d .11, Ss	1
34	1024576	(008000–)	Hinge, .50pin .19 4.0w 06.0l 3/0.44sl	1

Fig. 67 – Squeegee Group, Left Side

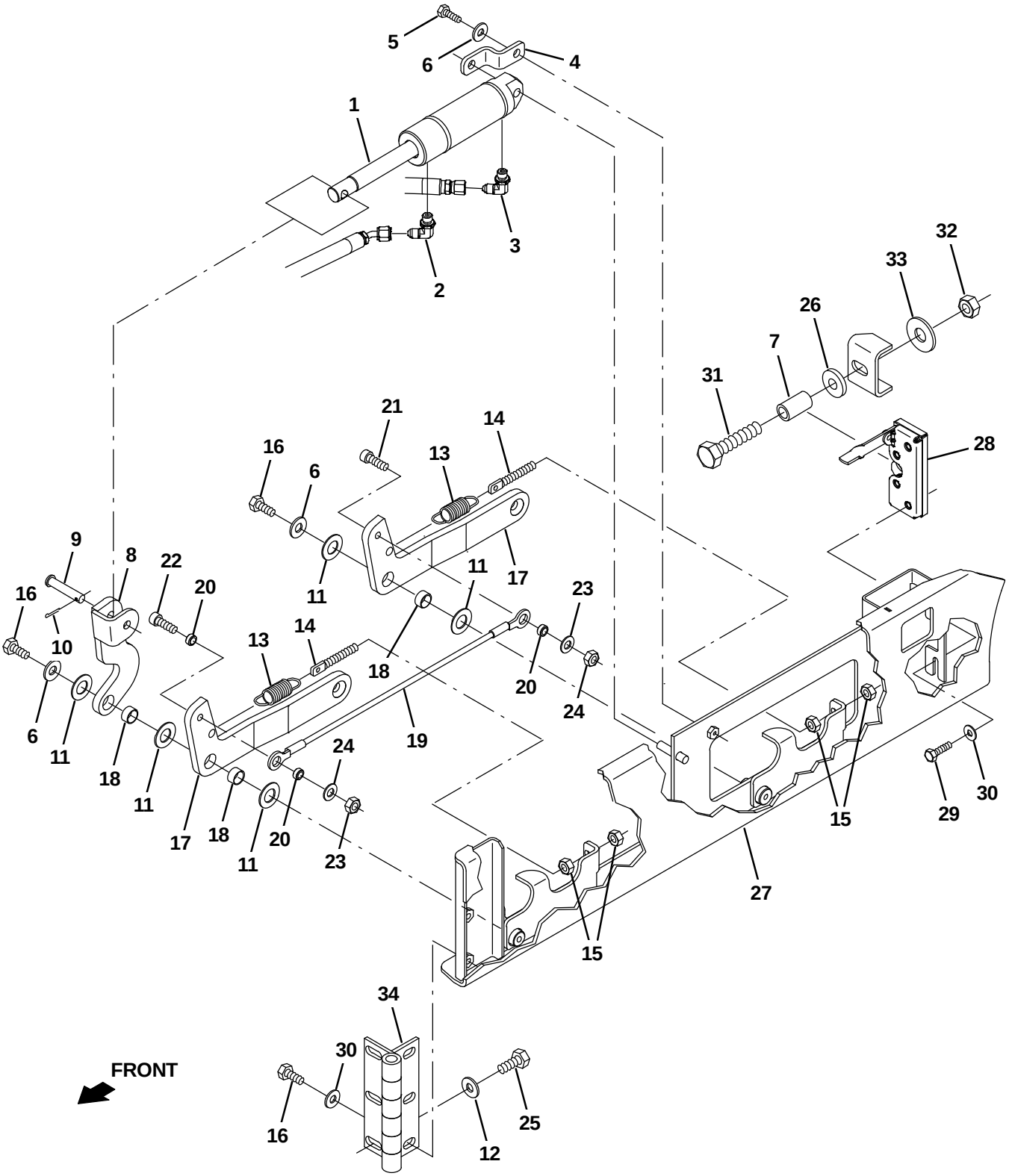


354444 – M20, M30

Fig. 67 – Squeegee Group, Left Side

Ref.	Part No.	Serial Number	Description	Qty.
1	1028972	(008000–)	Frame Wldt, Sqge, Lh	1
2	1028979	(008000–)	Retainer, Sqge, Lh Side	1
3	1222018	(008000–)	Latch, Door, Yellow	1
4	49697	(008000–)	Screw, Pan, Phl, M4 X 0.70 X 10, Ss	2
5	33932	(008000–)	Nut, Hex, Lock, M4 X 0.70, Nl, Ss	2
6	1031011	(008000–)	Blade, Sqge, .38 3.55w 038.3l, Linatex	1
6	1031823	(008000–)	Blade, Sqge, .38 3.55w 038.3l, Ure (Option)	1
7	25735	(008000–)	Bushing, Flng, 0.63b 0.75d 0.38l	2
8	1267143	(008000–)	Washer, Thrust, 16mmb 30mmd 1.5thk	2
9	1022846	(008000–)	Nut, T, M10 X 1.50 X 15.80od X 13.0l	2
10	09081	(008000–)	Screw, Flt, Soc, M10 X 1.50 X 25, 10.9	2
11	1024584	(008000–)	Bracket, Mtg, Skirt, Brush Door	1
12	1024651	(008000–)	Bracket, Mtg, Skirt, Door	1
13	1024586	(008000–)	Skirt, Neo, .06, 06.85w 27.95l, 08/ Hole	1
14	1019295	(008000–)	Skirt, Neo, .18, 10.37w 27.95l, 12/ H&S	1
15	1025151	(008000–)	Bracket, Mtg, Skirt, Brush Door	1
16	222463	(008000–)	Screw, Flt, Soc, M8 X 1.25 X 20, Al, Blk	6
17	393135	(008000–)	Screw, Btn, M8 X 1.25 X 20, Blk	4
18	08713	(008000–)	Nut, Hex, Lock, M8 X 1.25, Nl, Ss	4
19	07791	(008000–)	Nut, Hex, Flng, M8 X 1.25	2

Fig. 68 – Squeegee Lift Group, Left Side

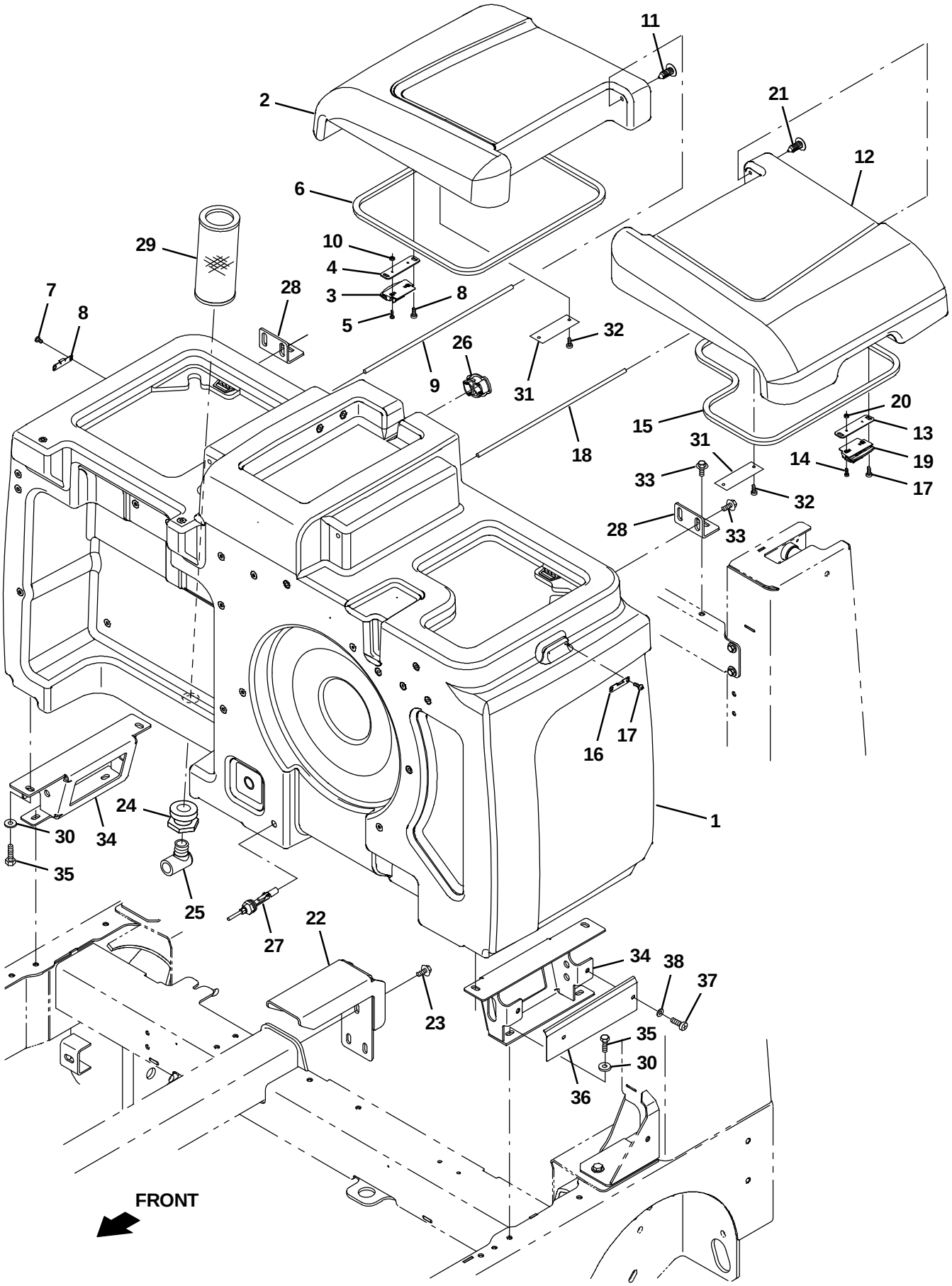


354445

Fig. 68 – Squeegee Lift Group, Left Side

Ref.	Part No.	Serial Number	Description	Qty.
1	1038137	(008000–)	Cylinder, Hyd, 1.5b 07.8l 02.80strk 2500	1
2	77097	(008000–)	Fitting, Hyd, E90, Jm04/Om04	1
3	1028635	(008000–)	Fitting, Hyd, Rst, Spcl	1
4	1022825	(008000–)	Bracket, Mtg, Cyl	1
5	08716	(008000–)	Screw, Hex, M6 X 1.00 X 20, Ss	1
6	01685	(008000–)	Washer, Flat, 0.31, Ss	3
7	1039348	(008000–)	Sleeve, 0.49b 0.68d 1.2l [304ss]	1
8	1022978	(008000–)	Arm Wldt, Lift, Sqge, Lh	1
9	17461	(008000–)	Pin, Clevis, 0.37D X 1.75L	1
10	08182	(008000–)	Pin, Cotter, .125 X 1.00	1
11	64425	(008000–)	Washer, Thrust, 0.61b 1.25d .06, Fgl	5
12	41187	(008000–)	Washer, Flat, Belleville, .38	3
13	87816	(008000–)	Spring, Extn, 0.75od X 0.09wir, 2.5l	2
14	386088	(008000–)	Bolt, Eye, M08 X 1.25 X 070mm, 05.50 Eye	2
15	07786	(008000–)	Nut, Hex, Std, M8 X 1.25, Ss	4
16	09740	(008000–)	Screw, Hex, M8 X 1.25 X 20, Ss	5
17	1023307	(008000–)	Arm, Sqge, Side, Lh	2
18	71607	(008000–)	Bushing, Sleeve, 0.63b 0.72d 0.38l	3
19	81784	(008000–)	Cable, Glv .13d 015.8l .50eye /.50eye	1
20	360801	(008000–)	Sleeve, 0.31b 0.50d 0.3l, Ss	3
21	39308	(008000–)	Screw, Soc, M8 X 1.25 X 25, 12.9	1
22	41445	(008000–)	Screw, Soc, M8 X 1.25 X 35, 12.9	1
23	39349	(008000–)	Washer, Flat, 0.31 Sae	2
24	08709	(008000–)	Nut, Hex, Lock, M8 X 1.25, Nl	2
25	09028	(008000–)	Screw, Hex, M10 X 1.5 X 25, Ss	3
26	36328	(008000–)	Washer, Flat, Belleville, .50	1
27	1023314	(008000–)	Door Wldt, Brush, Lh	1
28	1222038	(008000–)	Latch, Hook, Yellow	1
29	09007	(008000–)	Screw, Hex, M6 X 1.0 X 25, Ss	2
30	41185	(008000–)	Washer, Flat, Belleville, .25	5
31	379870	(008000–)	Screw, Hex, M12 X 1.75 X 55, Ss	1
32	07788	(008000–)	Nut, Hex, Std, M12 X 1.75, Ss	1
33	41619	(008000–)	Washer, Flat, 0.56b 1.38d .11, Ss	1
34	1024576	(008000–)	Hinge, .50pin .19 4.0w 06.0l 3/0.44sl	1

Fig. 69 – Solution Tank Group



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354622 – M30

Fig. 69 – Solution Tank Group

	Ref.	Part No.	Serial Number	Description	Qty.
	1	1033927	(008000–)	Tank, Soltn [M30]	1
▽	2	9003992	(008000–)	Cover Kit, Tank, Soltn, Rh, Replmt	1
▲	3	1030617	(008000–)	Latch, Cover	1
▲	4	1039757	(008000–)	Plate, Mtg, Latch	1
▲	5	19320	(002798–)	Screw, Pan, Phl, 06–32 X 0.38, G1	2
▲	6	1040465	(008000–)	Seal, Bulb, Str, .50hi .50w 058.0l, Adh	1
▲	7	1029748	(008000–)	Bracket, Keeper, Latch	1
▲	8	382320	(008000–)	Screw, Pan, Phl, 12–16 X 0.50, F/ Plstc	4
▲	9	1037495	(008000–)	Bar, Rnd, Plstc, 0.31d 17.0l	1
▲	10	19309	(008000–)	Nut, Hex, Std, 06–32	2
▲	11	1068277	(008000–)	Plug, Hole, Rnd, 0.38 H 1.0l, Brb, Nyl	1
▽	2	9003995	(008000–)	Cover Kit, Tank, Soltn, Rh, Replmt, (Europe & JP)	1
▲	3	1030617	(008000–)	Latch, Cover	1
▲	4	1039757	(008000–)	Plate, Mtg, Latch	1
▲	5	19320	(002798–)	Screw, Pan, Phl, 06–32 X 0.38, G1	2
▲	6	1040465	(008000–)	Seal, Bulb, Str, .50hi .50w 058.0l, Adh	1
▲	7	1029748	(008000–)	Bracket, Keeper, Latch	1
▲	8	382320	(008000–)	Screw, Pan, Phl, 12–16 X 0.50, F/ Plstc	4
▲	9	1037495	(008000–)	Bar, Rnd, Plstc, 0.31d 17.0l	1
▲	10	19309	(008000–)	Nut, Hex, Std, 06–32	2
▲	11	1068277	(008000–)	Plug, Hole, Rnd, 0.38 H 1.0l, Brb, Nyl	1
▽	12	9003994	(008000–)	Cover Kit, Tank, Soltn, Lh, Replmt	1
▲	13	1039757	(008000–)	Plate, Mtg, Latch	1
▲	14	19320	(002798–)	Screw, Pan, Phl, 06–32 X 0.38, G1	2
▲	15	1040465	(008000–)	Seal, Bulb, Str, .50hi .50w 058.0l, Adh	1
▲	16	1029748	(008000–)	Bracket, Keeper, Latch	1
▲	17	382320	(008000–)	Screw, Pan, Phl, 12–16 X 0.50, F/ Plstc	4
▲	18	1037495	(008000–)	Bar, Rnd, Plstc, 0.31d 17.0l	1
▲	19	1030617	(008000–)	Latch, Cover	1
▲	20	19309	(008000–)	Nut, Hex, Std, 06–32	2
▲	21	1068277	(008000–)	Plug, Hole, Rnd, 0.38 H 1.0l, Brb, Nyl	1
▽	12	9003996	(008000–)	Cover Kit, Tank, Soltn, Lh, Replmt, (Europe & JP)	1
▲	13	1039757	(008000–)	Plate, Mtg, Latch	1
▲	14	19320	(002798–)	Screw, Pan, Phl, 06–32 X 0.38, G1	2
▲	15	1040465	(008000–)	Seal, Bulb, Str, .50hi .50w 058.0l, Adh	1
▲	16	1029748	(008000–)	Bracket, Keeper, Latch	1
▲	17	382320	(008000–)	Screw, Pan, Phl, 12–16 X 0.50, F/ Plstc	4
▲	18	1037495	(008000–)	Bar, Rnd, Plstc, 0.31d 17.0l	1
▲	19	1030617	(008000–)	Latch, Cover	1
▲	20	19309	(008000–)	Nut, Hex, Std, 06–32	2
▲	21	1068277	(008000–)	Plug, Hole, Rnd, 0.38 H 1.0l, Brb, Nyl	1
	22	1034255	(008000–)	Bracket, Sppt, Tank, Cntr	1
	23	1037346	(008000–)	Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	3
	24	377349	(008000–)	Fitting, Plstc, Pf12/Pf12, Bh	1
	25	69785	(008000–)	Fitting, Plstc, E90, Pf12/Pm12	1
	26	390994	(008000–)	Plug, Hole, Soltn Tank, Blk Pyu	1
	27	385685	(008000–)	Sensor, Level, Liq, 14vdc 01a .62–11	1
	28	1020209	(008000–)	Angle, Sppt, Tank, Rear	2
	29	1027290	(008000–010000)	Filter, Soltn, 20mesh, Pm12 3.1d 02.6l	1
	29	1057465	(010001–)	Filter, Soltn, 080Mesh, Pm12 3.2D 08.0L	1

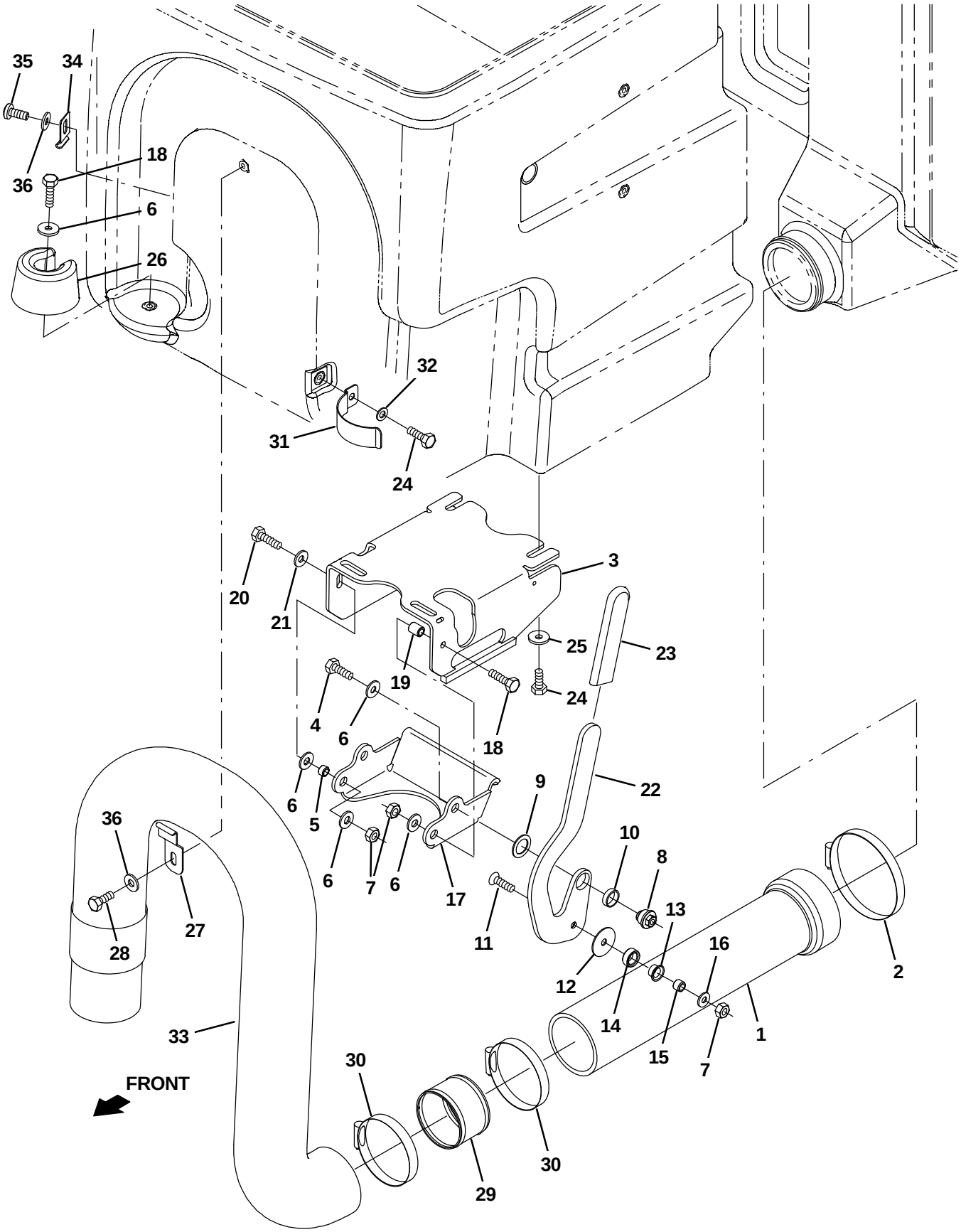
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Fig. 69 – Solution Tank Group

Ref.	Part No.	Serial Number	Description	Qty.
30	1017218	(008000–)	Washer, Flat, 0.32B 1.00D .12, Ss	8
31	1017101	(008000–)	Plate, Label, Soltn Tank (ec–H20 only)	2
32	360973	(008000–)	Screw, Pan, 12–16 X 0.50, F/ Plstc (ec–H20 only)	4
33	1020341	(008000–)	Screw, Hex, M8 X 1.25 X 20, Ss, Sems	4
34	1041477	(008000–)	Bracket, Mtg, Tank, Soltn	2
35	09740	(008000–)	Screw, Hex, M8 X 1.25 X 20, Ss	8
36	1037340	(008000–)	Cover, Lower, Lh	1
37	1031665	(008000–)	Screw, Pan, M8 X 1.25 X 25, Blk	2
38	39349	(008000–)	Washer, Flat, 0.31, Sae	2

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Fig. 70 – Solution Tank Drain Group



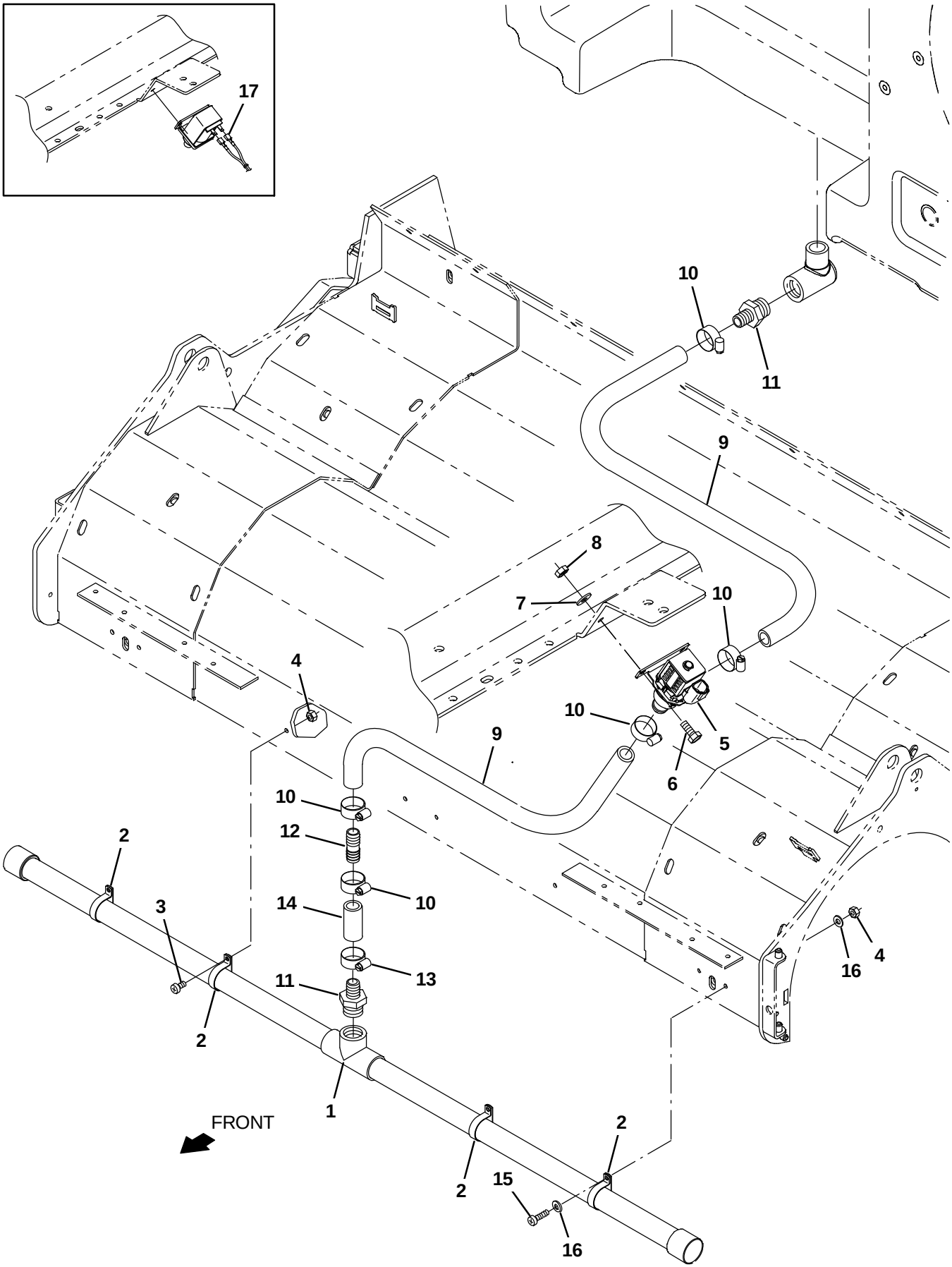
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354623 – M30

Fig. 70 – Solution Tank Drain Group

Ref.	Part No.	Serial Number	Description	Qty.
1	9003793	(008000–)	Tube Kit, Tank, Soltn, Replmt	1
2	23498	(008000–)	Clamp, Hose, Wormdrive, 3.56–4.50d, .50w	1
3	1042003	(008000–)	Mount Wldt, Valve, Pinch, Rh	1
4	39277	(008000–)	Screw, Hex, M8 X 1.25 X 25, 8.8	1
5	222516	(008000–)	Sleeve, P/M, 0.31b 0.50d 0.3l [430ss]	1
6	32491	(008000–)	Washer, Flat, 0.31, Std	5
7	08713	(008000–)	Nut, Hex, Lock, M8 X 1.25, Nl, Ss	3
8	1024599	(008000–)	Bushing, Eccentric, Adj	1
9	1026051	(008000–)	Washer, Flat, 0.79b 1.18d .06, Nyl	1
10	74090	(008000–)	Bushing, Sleeve, 0.75b 0.88d 0.25l	1
11	79506	(008000–)	Screw, Flt, Soc, M8 X 1.25 X 30, Ss	1
12	1028701	(008000–)	Washer, Thrust, 0.34b 1.50d .06	1
13	15648	(008000–)	Bushing, Flng, 0.50b 0.59d 0.38l	1
14	1028691	(008000–)	Roller, Brg	1
15	1028690	(008000–)	Tube, 0.32id 0.50od 00.4l, Ss	1
16	1017218	(008000–)	Washer, Flat, 0.32b 1.00d .12, Ss	1
17	1024535	(008000–)	Arm, Pinch	1
18	06955	(008000–)	Screw, Hex, M8 X 1.25 X 35, 8.8	2
19	80395	(008000–)	Sleeve, P/M, 0.31b 0.50d 0.7l [430ss]	1
20	76570	(008000–)	Screw, Hex, M8 X 1.25 X 30, 8.8	1
21	41186	(008000–)	Washer, Flat, Belleville, .31	1
22	1026727	(008000–)	Handle, Valve, Pinch, Rh	1
23	1023502	(008000–)	Grip, Handle	1
24	09740	(008000–)	Screw, Hex, M8 X 1.25 X 20, Ss	4
25	1017218	(008000–)	Washer, Flat, 0.32b 1.00d .12, Ss	4
26	1022137	(008000–)	Plug, Hose, Pyu	1
27	1025480	(008000–)	Bracket, Retaining, Hose	1
28	15675	(008000–)	Screw, Hex, M8 X 1.25 X 16, Ss	2
29	1041953	(008000–)	Tube, 2.90Id 3.00OD 02.4L, Ss	2
30	43555	(008000–)	Clamp, Hose, Wormdrive, 2.50–3.50d, .50w	2
31	1024558	(008000–)	Strap, Retaining, Hose	1
32	39349	(008000–)	Washer, Flat, 0.31, Sae	1
33	1019424	(008000–)	Hose, Drain, 3.00id X 48.0l	1
34	1043214	(008000–)	Bracket, Retain, Hose	1
35	17284	(008000–)	Screw, Btn, M8 X 1.25 X 16, Ss	1
36	01685	(008000–)	Washer, Flat, 0.38B 0.88D .08, Ss	2

Fig. 71 – Solution Control Group (008000–010000)

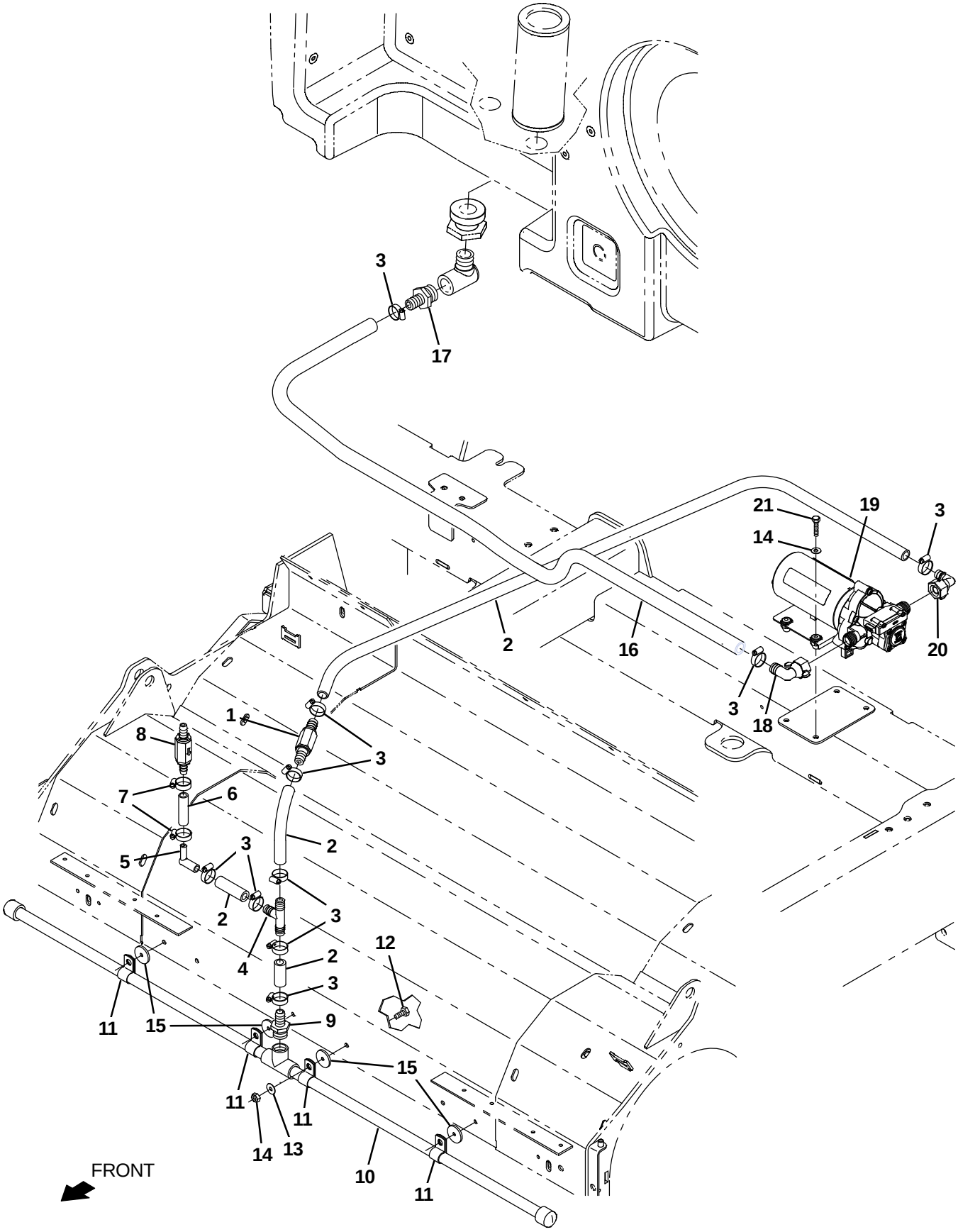


354624 – M30

Fig. 71 – Solution Control Group (008000–010000)

Ref.	Part No.	Serial Number	Description	Qty.
1	1038116	(008000–010000)	Tube, Distribution, Water, 45.0l	1
2	50544	(008000–010000)	Clamp, Cable, Ss, 1.12d X 0.38w, 1hole	4
3	09200	(008000–010000)	Screw, Pan, Phl, M5 X 0.80 X 12, Ss	2
4	09739	(008000–010000)	Nut, Hex, Lock, M5 X 0.80, Nl, Ss	4
5	1076692	(008000–010000)	Valve Assy, Water, Solenoid , 12vdc	1
6	08716	(008000–010000)	Screw, Hex, M6 X 1.00 X 20, Ss	2
7	01684	(008000–010000)	Washer, Flat, 0.27b 0.69d .05, Ss	2
8	08712	(008000–010000)	Nut, Hex, Lock, M6 X 1.00, Nl, Ss	2
9	1015032	(008000–010000)	Hose, Afmkt, Pvc, Brd, 0.62id, 08ft, Clr	1
10	63810	(008000–010000)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	5
11	365095	(008000–010000)	Fitting, Plstc, Str, Bm10/Pm12	2
12	365164	(008000–010000)	Fitting, Plstc, Str, Bm10/Bm10	1
13	63810	(008000–010000)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	1
14	1015033	(008000–010000)	Hose, Afmkt, Pvc, Brd, 0.62id, 01ft, Clr	1
15	24196	(008000–010000)	Screw, Pan, Phl, M5 X 0.80 X 20, Ss	2
16	01683	(008000–010000)	Washer, Flat, 10, Ss	4
17	1075394	(008000–008285)	Harness, Ele, Adaptor [2f, Dt To Faston]	1

Fig. 72 – Solution Control Group (010001–)



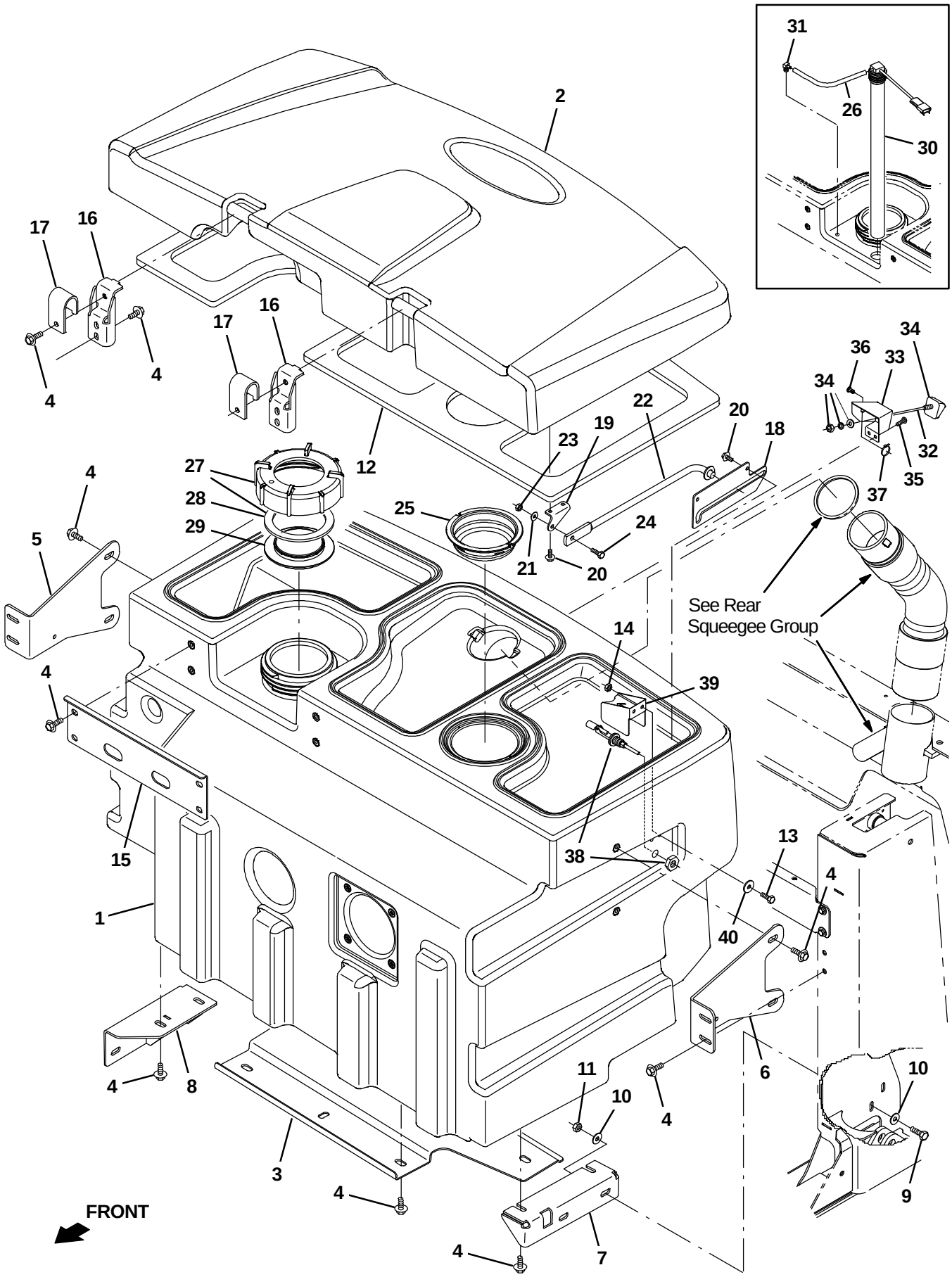
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357124 – M30

Fig. 72 – Solution Control Group (010001–)

Ref.	Part No.	Serial Number	Description	Qty.
1	1251530	(010001–)	Valve, Check, 1.0psi, Bm08/Bm08	1
2	1011412	(010001–)	Hose, Afmkt, Pvc, Brd, 0.50id, 08ft, Clr	1
3	54333	(010001–)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	10
4	63245–1	(010001–)	Fitting, Plstc, Tee, Bm08/Bm08/Bm08	1
5	222376	(010001–)	Fitting, Plstc, E90, Bm06/Bm08	1
6	1014971	(010001–)	Hose, Afmkt, Pvc, Brd, 0.38id, 01ft, Clr	1
7	43844	(010001–)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	1
8	1253873	(010001–)	Valve, Vent, Bm06/Bm06	1
9	79273–4	(010001–)	Fitting, Plstc, Str, Bm08/Pm08	1
10	1255556	(010001–)	Spray Manifold Assy [M30, 29 x Holes]	1
11	82829	(010001–)	Clamp, Cable, Stl, 0.63d X 0.75w, 1hole	4
12	08716	(010001–)	Screw, Hex, M6 X 1.00 X 20, Ss	4
13	08708	(010001–)	Nut, Hex, Lock, M6 X 1.00, Nl	4
14	01684	(010001–)	Washer, Flat, 0.27b 0.69d .05, Ss	8
15	386063	(010001–)	Washer, Flat, 0.25b 1.12d .12, Ss	4
16	1015032	(010001–)	Hose, Afmkt, Pvc, Brd, 0.62id, 08ft, Clr	1
17	365095	(010001–)	Fitting, Plstc, Str, Bm10/Pm12	1
18	1251921	(010001–)	Fitting, Plstc, E90, Bm10/Pf08	1
19	1253561	(010001–)	Pump, Soltn, Ele, 12v, 3.6 Gpm	1
20	1018499	(010001–)	Fitting, Plstc, E90, Bm08/Pf08s, Swivel	1
21	1228033	(010001–)	Screw, Hex, M5 X 0.80 X 30, 4.8	4

Fig. 73 – Recovery Tank Group

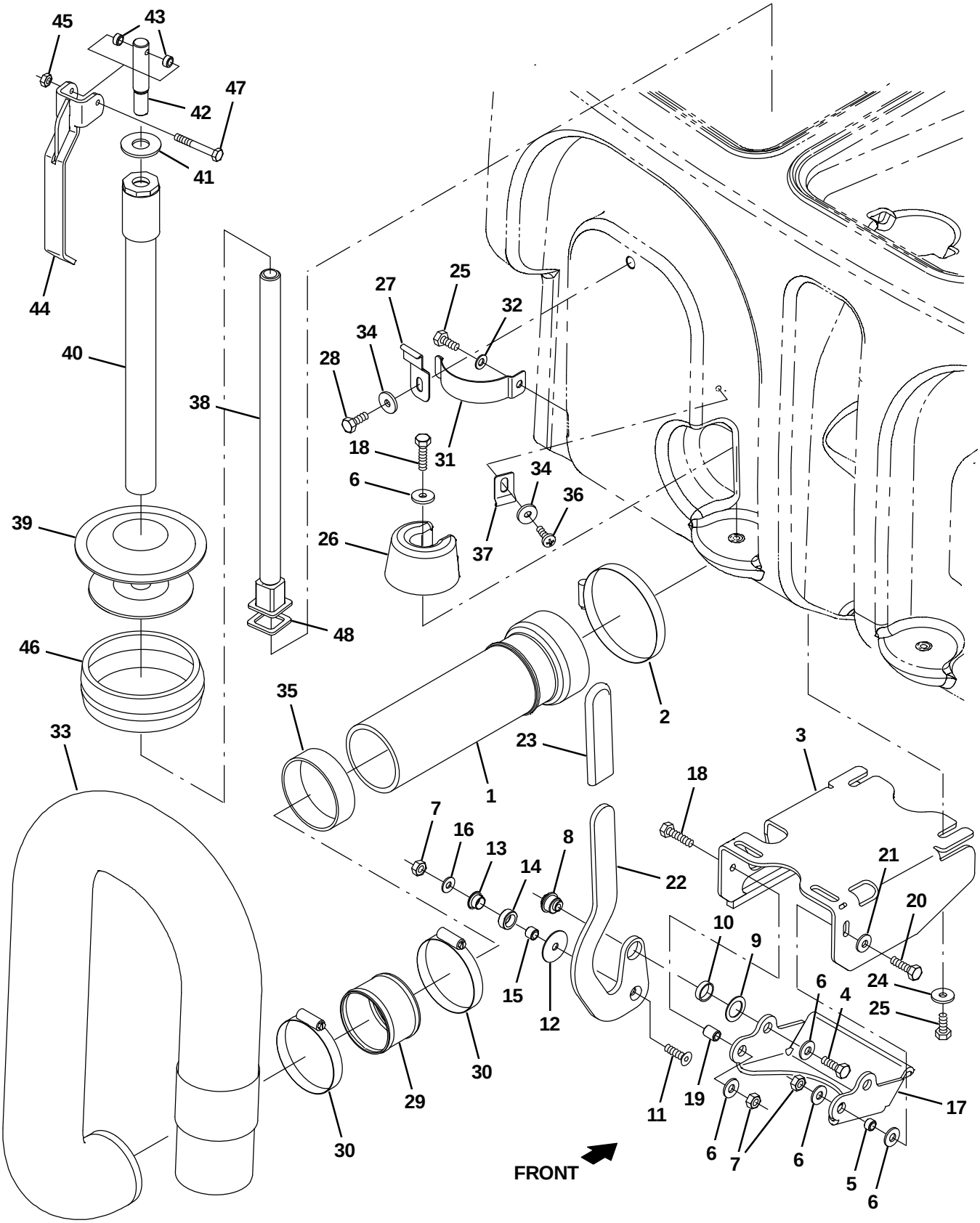


354625– M30

Fig. 73 – Recovery Tank Group

	Ref.	Part No.	Serial Number		Description	Qty.
	1	1033928	(008000–	)	Tank, Recvy	1
	2	1034869	(008000–	)	Cover, Tank, Recvy	1
	3	1035039	(008000–	)	Plate, Tank, Bottom	1
	4	1020341	(008000–	)	Screw, Hex, M8 X 1.25 X 20, Ss, Sems	25
	5	1038941	(008000–	)	Bracket, Sppt, Tank, Rh	1
	6	1038927	(008000–	)	Bracket, Sppt, Tank, Lh	1
	7	1034436	(008000–	)	Bracket, Mtg, Lh, Tank, Recvy	1
	8	1034444	(008000–	)	Bracket Wldt, Mtg, Rh	1
	9	09010	(008000–	)	Screw, Hex, M8 X 1.25 X 25, Ss	4
	10	32491	(008000–	)	Washer, Flat, 0.31, Std	8
	11	08713	(008000–	)	Nut, Hex, Lock, M8 X 1.25, Nl, Ss	4
	12	1037085	(008000–	)	Gasket, Cover, Recvy Tank	1
	13	09007	(009091–	)	Screw, Hex, M6 X 1.00 X 25, Ss	2
	14	08712	(009091–	)	Nut, Hex, Lock, M6 X 1.00, Ss, Nl	2
	15	1021090	(008000–	)	Plate, Sppt, Tank	1
	16	1039072	(008000–	)	Bracket, Sppt, Cover, Tank, Recvy	2
	17	1039049	(008000–	)	Bracket, Mtg, Cover, Recvy Tank	2
	18	1025620	(008000–	)	Plate, Mtg, Prop Rod	1
	19	1025619	(008000–	)	Bracket, Mtg, Prop Rod	1
	20	1046798	(008000–	)	Screw, Hex, .25–10 X 0.75, Fmg/A, Ss	4
	21	01684	(008000–	)	Washer, Flat, 0.27b 0.69d .05, Ss	1
	22	54615	(008000–	)	Arm Wldt, Safety, Sppt, Seat, .38d 10.1l	1
	23	08712	(008000–	)	Nut, Hex, Lock, M6 X 1.00, Nl, Ss	1
	24	08716	(008000–	)	Screw, Hex, M6 X 1.00 X 20, Ss	1
	25	1222035	(008000–	)	Screen, Vacuum, Yellow	1
	26	1031572	(008000–009090	)	Hose, Afmkt, Vacuum, 0.16id, 01ft	1
▽	27	24358	(008000–	)	Cap Assy, Tank, Drain	1
▲	28	1031699	(008000–	)	Gasket, .19, 4.05id 5.29od [Buna]	1
	29	86636	(008000–	)	Cover, Tank	1
	30	1072878	(008000–009090	)	Switch Assy, Press, 13.0, 17.5l Tube	1
	31	32183	(008000–009090	)	Fitting, Brs, E90, Bm03/Pm02	1
	32	1224979	(008000–	)	Cable, Camera, 236.2l [Hvs] (PRO PANEL ONLY)	1
	33	1225989	(008000–	)	Bracket, Mtg, Camera [M20/M30] (PRO PANEL ONLY)	1
	34	1218851	(008000–	)	Camera, Color, Fixed (PRO PANEL ONLY)	1
	35	382320	(008000–	)	Screw, Pan, Phl, 12–16 X 0.50, F/ Plstc (PRO PANEL ONLY)	2
	36	1071085	(008000–	)	Clip, Tie, 0.25d, Plstc (PRO PANEL ONLY)	1
	37	763114	(008000–	)	Tie, Cable, 11.3l, 2.75d Max (PRO PANEL ONLY)	1
	38	385685	(009091–	)	Sensor, Level, Liq, 14vdc 01a .62–11	1
	39	1037816	(009091–	)	Bracket, Protector, Float Switch	1
	40	76426	(009091–	)	Washer, Sealing, 0.28b 0.75d Ss, Neo	2

Fig. 74 – Recovery Tank Drain Group

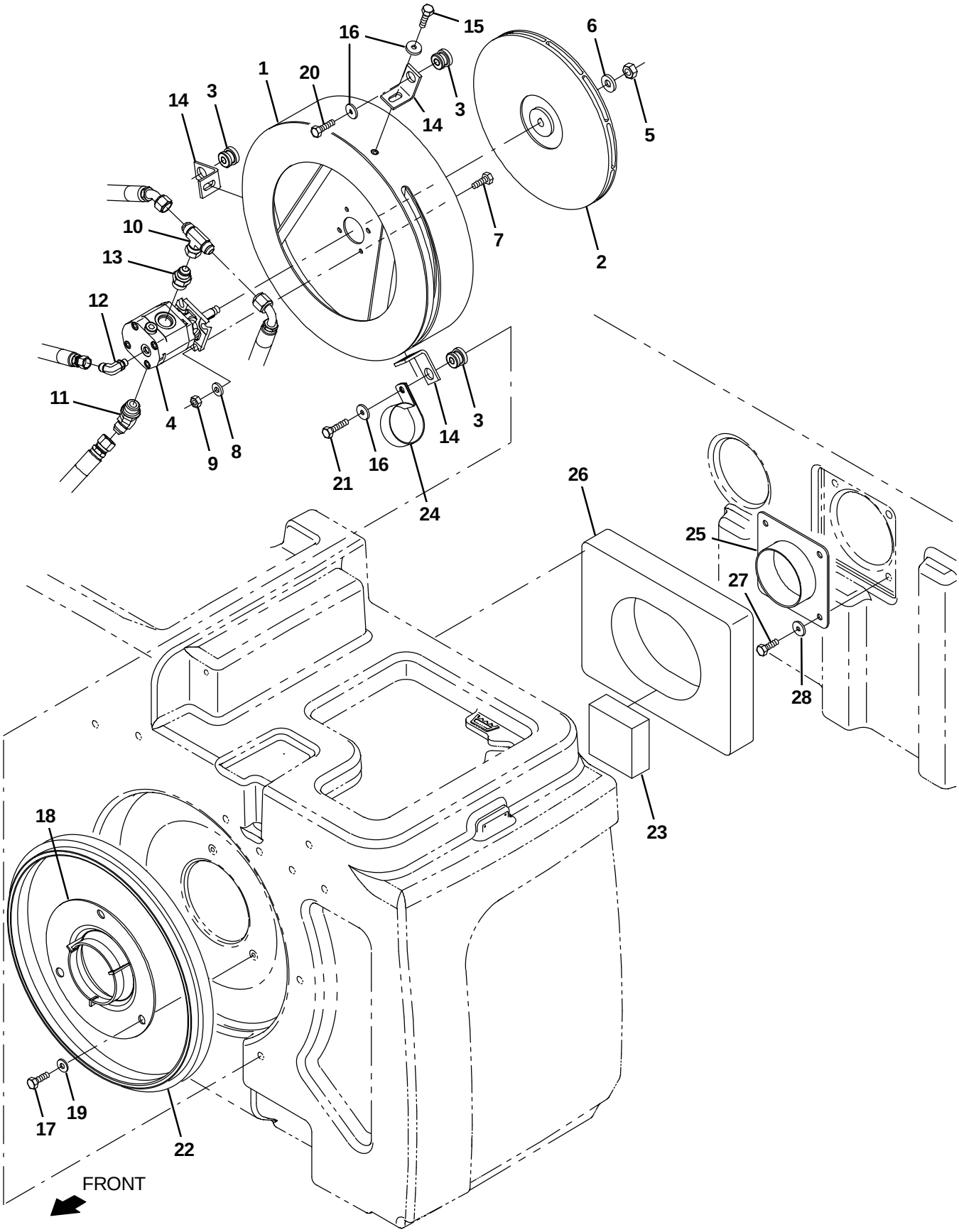


354626 – M30

Fig. 74 – Recovery Tank Drain Group

	Ref.	Part No.	Serial Number	Description	Qty.
	1	9003794	(008000–)	Tube Kit, Tank, Recvy, Replmt	1
	2	23498	(008000–)	Clamp, Hose, Wormdrive, 3.56–4.50d, .50w	1
	3	1042010	(008000–)	Mount Wldt, Valve, Pinch, Lh	1
	4	39277	(008000–)	Screw, Hex, M8 X 1.25 X 25, 8.8	1
	5	222516	(008000–)	Sleeve, P/M, 0.31b 0.50d 0.3l [430ss]	1
	6	32491	(008000–)	Washer, Flat, 0.31, Std	5
	7	08713	(008000–)	Nut, Hex, Lock, M8 X 1.25, Nl, Ss	3
	8	1024599	(008000–)	Bushing, Eccentric, Adj	1
	9	1026051	(008000–)	Washer, Flat, 0.79b 1.18d .06, Nyl	1
	10	74090	(008000–)	Bushing, Sleeve, 0.75b 0.88d 0.25l	1
	11	79506	(008000–)	Screw, Flt, Soc, M8 X 1.25 X 30, Ss	1
	12	1028701	(008000–)	Washer, Thrust, 0.34b 1.50d .06	1
	13	15648	(008000–)	Bushing, Flng, 0.50b 0.59d 0.38l	1
	14	1028691	(008000–)	Roller, Brg	1
	15	1028690	(008000–)	Tube, 0.32id 0.50od 00.4l, Ss	1
	16	1017218	(008000–)	Washer, Flat, 0.32b 1.00d .12, Ss	1
	17	1024535	(008000–)	Arm, Pinch	1
	18	06955	(008000–)	Screw, Hex, M8 X 1.25 X 35, 8.8	2
	19	80395	(008000–)	Sleeve, P/M, 0.31b 0.50d 0.7l [430ss]	1
	20	76570	(008000–)	Screw, Hex, M8 X 1.25 X 30, 8.8	1
	21	41186	(008000–)	Washer, Flat, Belleville, .31	1
	22	1027039	(008000–)	Handle, Valve, Pinch, Lh	1
	23	1023502	(008000–)	Grip, Handle	1
	24	1017218	(008000–)	Washer, Flat, 0.32b 1.00d .12, Ss	4
	25	09740	(008000–)	Screw, Hex, M8 X 1.25 X 20, Ss	4
	26	1022137	(008000–)	Plug, Hose, Pyu	2
	27	1025480	(008000–)	Bracket, Retaining, Hose	1
	28	15675	(008000–)	Screw, Hex, M8 X 1.25 X 16, Ss	2
	29	1041953	(008000–)	Tube, 2.90Id 3.00OD 02.4L, Ss	1
	30	43555	(008000–)	Clamp, Hose, Wormdrive, 2.50–3.50d, .50w	2
	31	1024558	(008000–)	Strap, Retaining, Hose	1
	32	39349	(008000–)	Washer, Flat, 0.31, Sae	1
	33	1019424	(008000–)	Hose, Drain, 3.00id X 48.0l	1
	34	01685	(008000–)	Washer, Flat, 0.38B 0.88D .08, Ss	2
	35	1031309	(008000–)	Tube, Acrylic, Clr, 3.25id 3.50od 01.0l	1
	36	17284	(008000–)	Screw, Btn, M8 X 1.25 X 16, Ss	1
	37	1043214	(008000–)	Bracket, Retain, Hose	1
▽		9003313	(008000–)	Plug Kit, Drain, Recvy, Ci	1
▲	38	1028328	(008000–)	Tube Wldt, Plug, Drain	1
▲	39	1022370	(008000–)	Plug, Drain, Expandable, 4.75–6.00	1
▲	40	1072885	(008000–)	Tube Assy, Plug, Drain	1
▲	41	1028522	(008000–)	Washer, Flat, 0.78b 1.75d .18, Ss	1
▲	42	1028173	(008000–)	Pin, Lift, Drain	1
▲	43	360801	(008000–)	Sleeve, 0.31b 0.50d 0.3l, Ss	2
▲	44	1028211	(008000–)	Handle Wldt, Drain	1
▲	45	08712	(008000–)	Nut, Hex, Lock, M6 X 1.00, Nl, Ss	1
▲	46	1035044	(008000–)	Seal, Shaft, Drain Plug	1
▲	47	58979	(008000–)	Screw, Hex, M6 X 1.00 X 55, Fl, Ss	1
▲	48	1039652	(008000–)	Seal, Plug, Drain, Nitrile	1

Fig. 75 – Vacuum Fan Group, Scrubbing

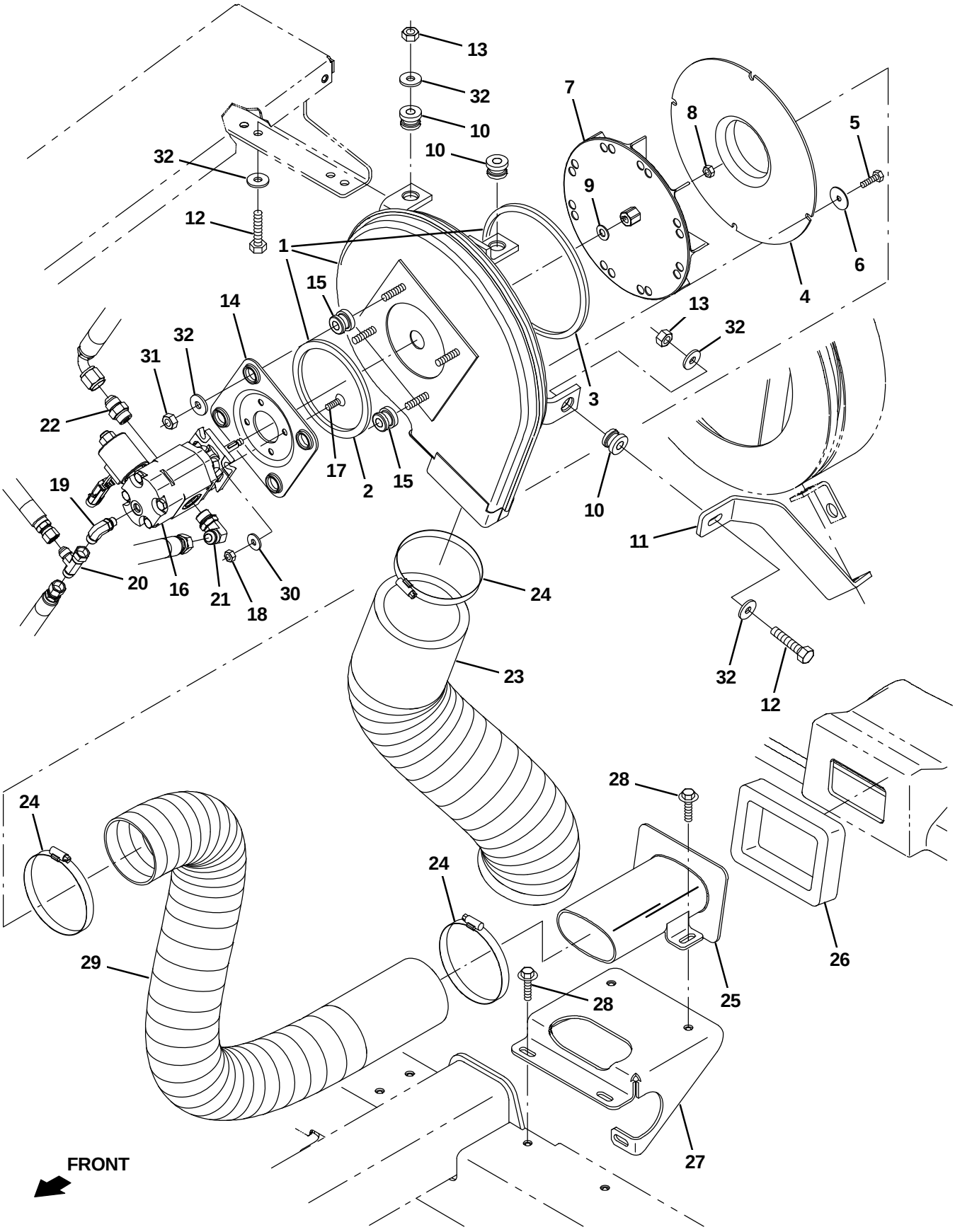


356557 – M30

Fig. 75 – Vacuum Fan Group, Scrubbing

	Ref.	Part No.	Serial Number	Description	Qty.
▽		9016241	(008000–)	Fan Kit, Scb, Replmt [M20/T20/M30]	1
▲	1	1068611	(008000–)	Plate Wldt, Mtg, Fan	1
▲	2	1062033	(008000–)	Impeller, 11.81d X 0.500b	1
▲	3	54274	(008000–)	Isolator, Vib, Bshg, 1.1d 0.6l .4b 0.78h	3
▲▽		9016242	(008000–)	Motor Kit, Replmt [M20/T20/M30]	1
▲▲	4	1076027	(008000–)	Motor, Hyd, Gear, Ext 0.17 Lh 3000	1
▲▲	5	07788	(008000–)	Nut, Hex, Std, M12 X 1.75, Ss	1
▲▲	6	36328	(008000–)	Washer, Flat, Belleville, .50	1
▲▲	7	09010	(008000–)	Screw, Hex, M8 X 1.25 X 25, Ss	4
▲▲	8	01685	(008000–)	Washer, Flat, 0.38b 0.88d .08, Ss	4
▲▲	9	08713	(008000–)	Nut, Hex, Lock, M8 X 1.25, Nl, Ss	4
▲▲	10	76315	(008000–)	Fitting, Hyd, Tee, Jf08/Jm08/Jm08, Br	1
▲▲	11	47513	(008000–)	Fitting, Hyd, E45, Jm08/Om10	1
▲▲	12	77098	(008000–)	Fitting, Hyd, E90, Jm06/Om04	1
▲▲	13	56692	(008000–)	Fitting, Hyd, Str, Jm08/Om10	1
▲	14	1068644	(008000–)	Angle, Sppt, Fan	3
▲	15	39277	(008000–)	Screw, Hex, M8 X 1.25 X 25, 8.8	3
▲	16	1017218	(008000–)	Washer, Flat, 0.32b 1.00d .12, Ss	6
▲	17	09740	(008000–)	Screw, Hex, M8 X 1.25 X 20, Ss	3
▲	18	1059100	(008000–)	Housing, Fan, Radial Discharge, Sq Inlet	1
▲	19	01685	(008000–)	Washer, Flat, 0.38b 0.88d .08, Ss	3
▲	20	09011	(008000–)	Screw, Hex, M8 X 1.25 X 30, Ss	2
▲	21	09023	(008000–)	Screw, Hex, M8 X 1.25 X 35, Fl, Ss	1
▲	22	1031617	(008000–)	Seal, Afmkt, Bulb, Str, .75d F/07ga 08ft	1
	23	1074415	(008000–)	Gasket, 1.50, 03.75w, 03.75l, Adh	1
	24	70157	(008000–)	Clamp, Cable, Ss, 2.50d X 1.00w, 1hole	1
	25	1023754	(008000–)	Plate Wldt, Hose, Vacuum	1
	26	1074414	(008000–)	Gasket, 2.00, 10.00w, 13.00l, Adh	1
	27	09740	(008000–)	Screw, Hex, M8 X 1.25 X 20, Ss	4
	28	1017218	(008000–)	Washer, Flat, 0.32b 1.00d .12, Ss	4

Fig. 76 – Vacuum Fan Group, Sweeping

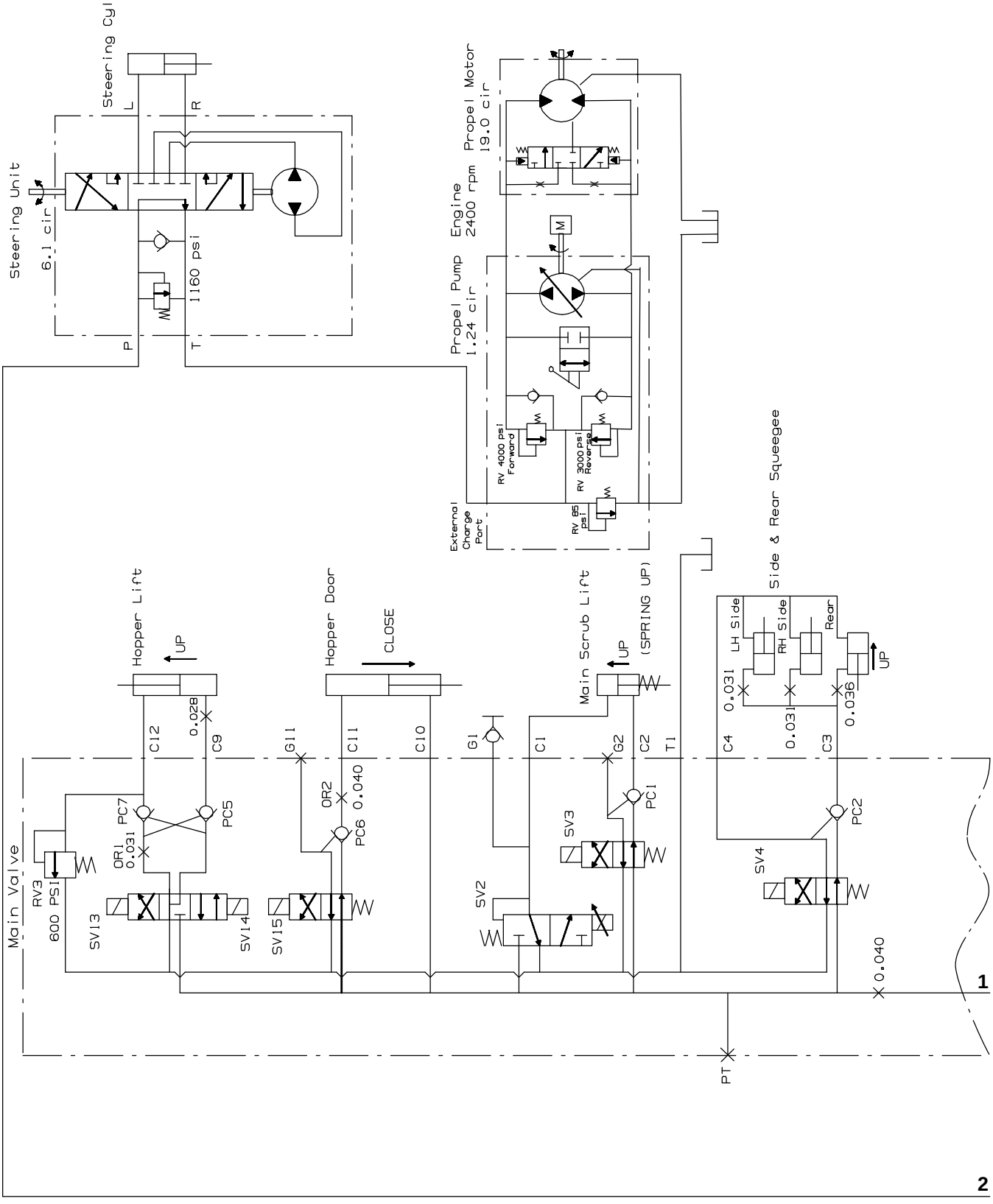


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Fig. 76 – Vacuum Fan Group, Sweeping

	Ref.	Part No.	Serial Number	Description	Qty.
▽	1	9002683	(008000–)	Housing Assy, Vacfan, Swpr	1
▲	2	59967	(008000–)	Seal, Ure, 0.38, 0.75w 13.2l Adh	1
▲	3	1015221	(008000–)	Seal, Afmkt, Ure, Adh, 0.38, 0.75w 03ft	1
	4	1018216	(008000–)	Plate, Inlet	1
	5	34323	(008000–)	Screw, Hex, .25–20 X 0.75, Nl	4
	6	41178	(008000–)	Washer, Flat, 0.25, Fendr	4
	7	74454	(008000–)	Impeller, 9.00d X 1.40w X 0.376b	1
	8	31241	(008000–)	Nut, Hex, Lock, .31–24, Nl, Thin	1
	9	32485	(008000–)	Washer, Flat, 0.38, Sae	1
	10	59649	(008000–)	Isolator, Vib, Bshg, 1.1d 0.6l .4b 0.78h	3
	11	1037993	(008000–)	Bar, Isolator, Vacfan	1
	12	39285	(008000–)	Screw, Hex, M10 X 1.50 X 40, 8.8	3
	13	41430	(008000–)	Nut, Hex, Lock, M10 X 1.5, Nl	3
	14	54275A	(008000–)	Bracket, Mtg, Motor	1
	15	54274	(008000–)	Isolator, Vib, Bshg, 1.1d 0.6l .4b 0.78h	4
	16	1071240	(008000–)	Motor, Hyd, Gear, Ext 0.17 Lh 3000	1
	17	39534	(008000–)	Screw, Flt, Soc, .25–20 X 1.00, Al	4
	18	32981	(008000–)	Nut, Hex, Lock, .25–20, Nl	4
	19	77098	(008000–)	Fitting, Hyd, E90, Jm06/Om04	1
	20	42215	(008000–)	Fitting, Hyd, Tee, Jf06/Jm06/Jm06, Run	1
	21	44868	(008000–)	Fitting, Hyd, E90, Jm08/Om08	1
	22	44869	(008000–)	Fitting, Hyd, Str, Jm08/Om08	1
	23	1025756	(008000–)	Muffler, Vacfan, 4.0id	1
	24	23498	(008000–)	Clamp, Hose, Wormdrive, 3.56–4.50d, .50w	3
	25	1025841	(008000–)	Duct, Vacfan, Casting	1
	26	1018209	(008000–)	Gasket, Neo, 1.25, 04.45w 06.42l, Adh	1
	27	1035260	(008000–)	Channel, Inlet	1
	28	1037346	(008000–)	Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	5
	29	1035703	(008000–)	Hose, Flex, Vacuum, 03.5d, 040.0l	1
	30	32483	(008000–)	Washer, Flat, 0.25, Sae	4
	31	36643	(008000–)	Nut, Hex, Lock, .38–16, Nl, Thin	4
	32	1014563	(008000–)	Washer, Flat, 0.40b 1.12d .12, Ss	10

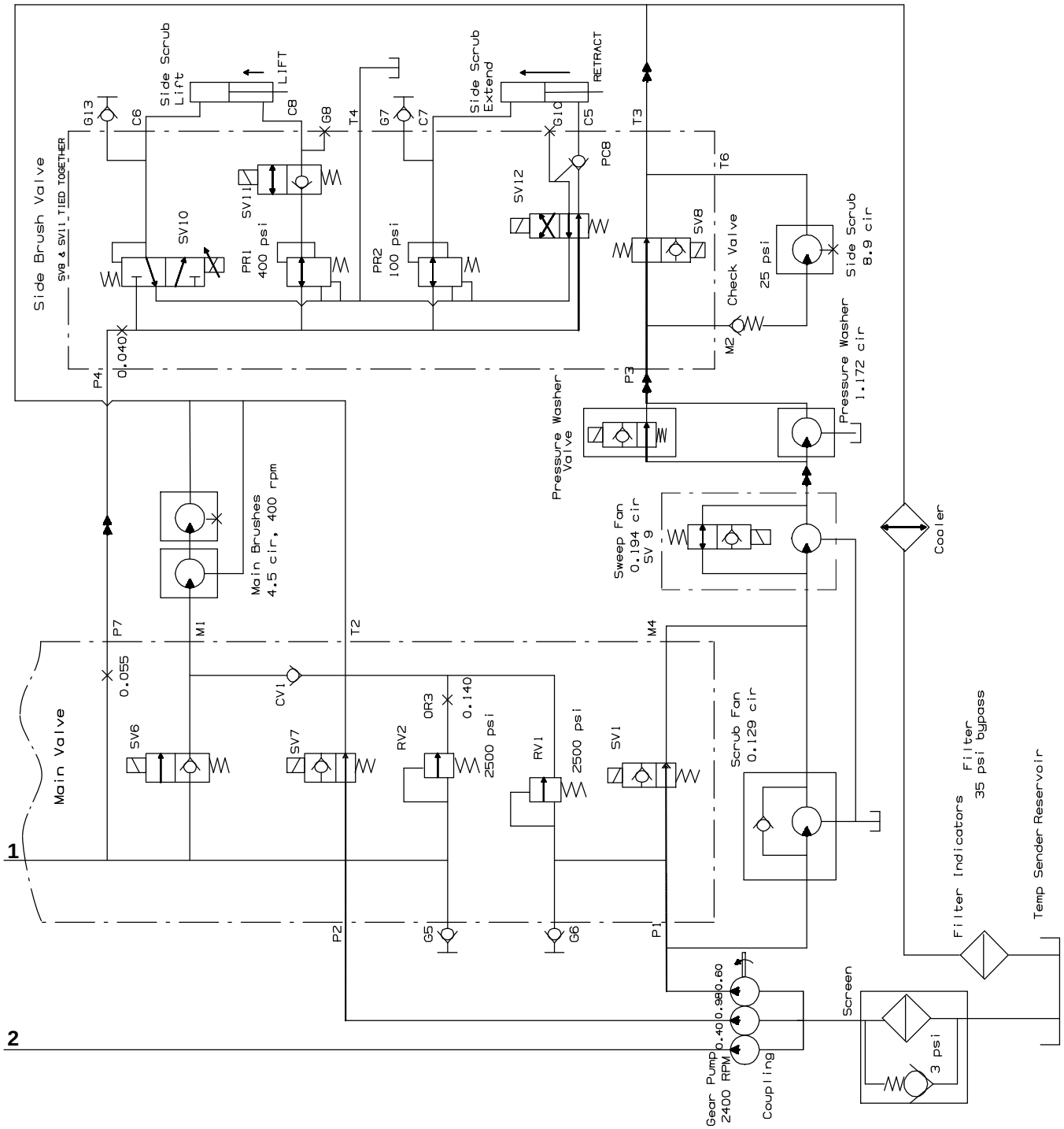
Fig. 77 – Hydraulic Schematic



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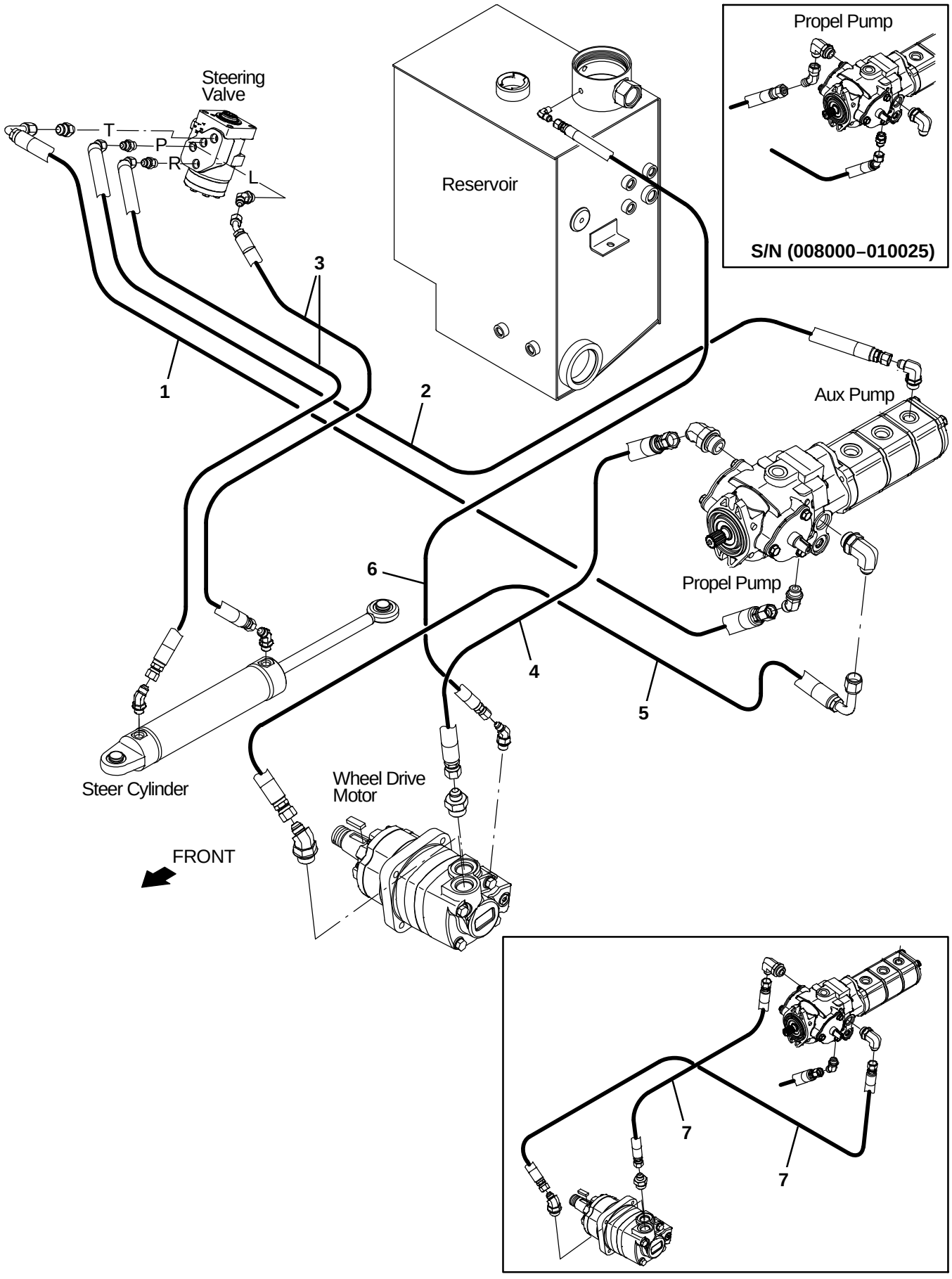
Fig. 77 – Hydraulic Schematic



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Fig. 78 – Hydraulic Hose Group, Steering and Propel



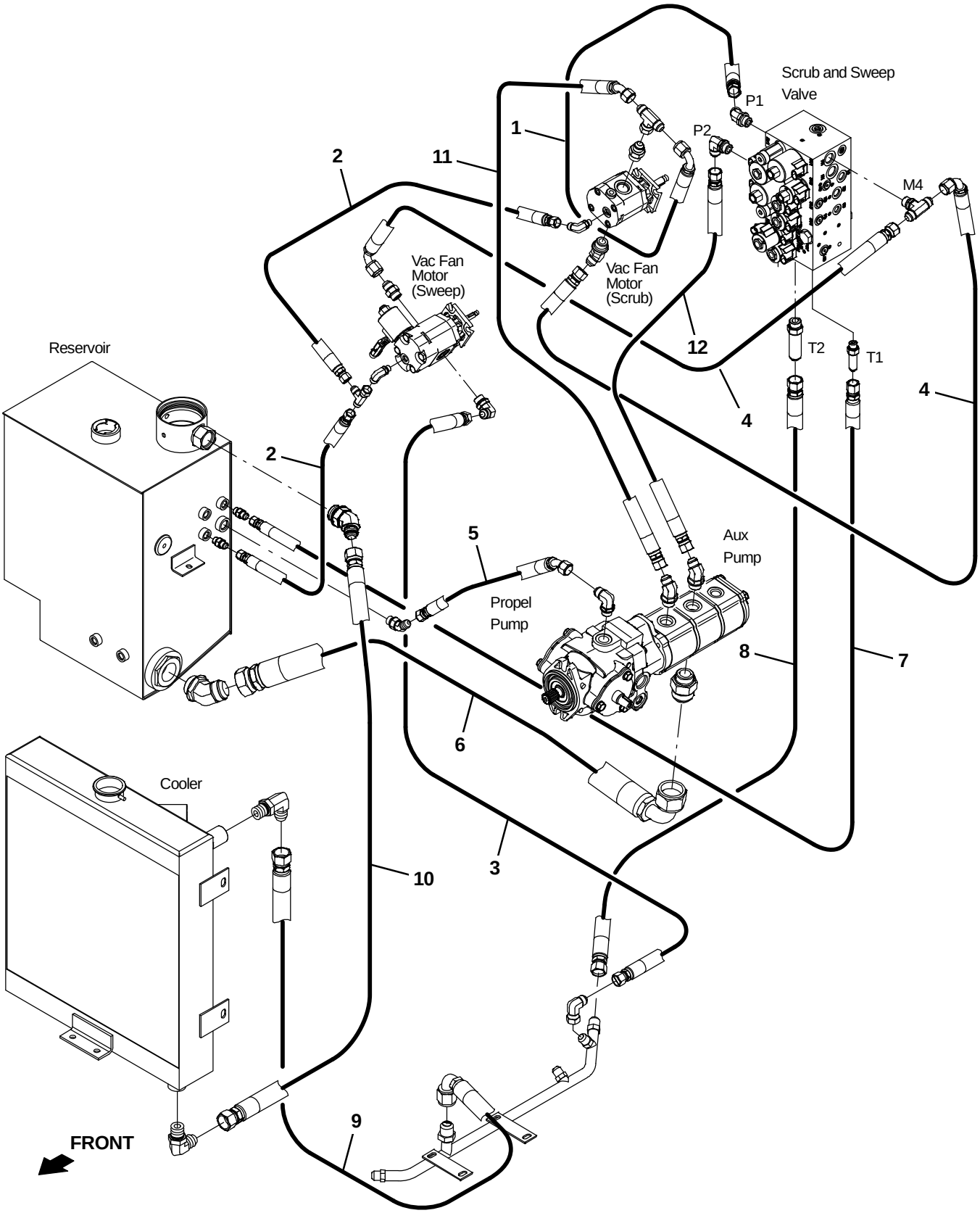
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Fig. 78 – Hydraulic Hose Group, Steering and Propel

Ref.	Part No.	Serial Number	Description	Qty.
1	1229745	(008000–)	Hose, Hyd, Tc08, Jfoee90/Jf08str, 96	1
2	1226062	(008000–)	Hose, Hyd, Tc06, Jf06e45/Jf06str, 110.0	1
3	1226063	(008000–)	Hose, Hyd, Tc06, Jf06e45/Jf06str, 45.0	2
4	1038569	(008000–009820)	Hose, Hyd, Spcl, Jf10str/Jf10str, 56.5 (Replaced by 1039148)	1
4	1262760	(009821–)	Hose, Hyd, Spcl, Jf08str/Jf08str, 056.5	1
5	1023488	(008000–009820)	Hose, Hyd, Spcl, Jf10e90/Jf10str, 63.0 (Replaced by 139147)	1
5	1262759	(009821–)	Hose, Hyd, Spcl, Jf08e90l/Jf08str, 063.0	1
6	1030404	(008000–)	Hose, Hyd,Med04, Jf04str/Jf04str, 066.0	1
7	9022976	(008000–009820)	Hose Kit, Hyd, Propel, Replmt [Mt20/30]	1

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Fig. 79 – Hydraulic Hose Group, Pump and Vacuum Fan

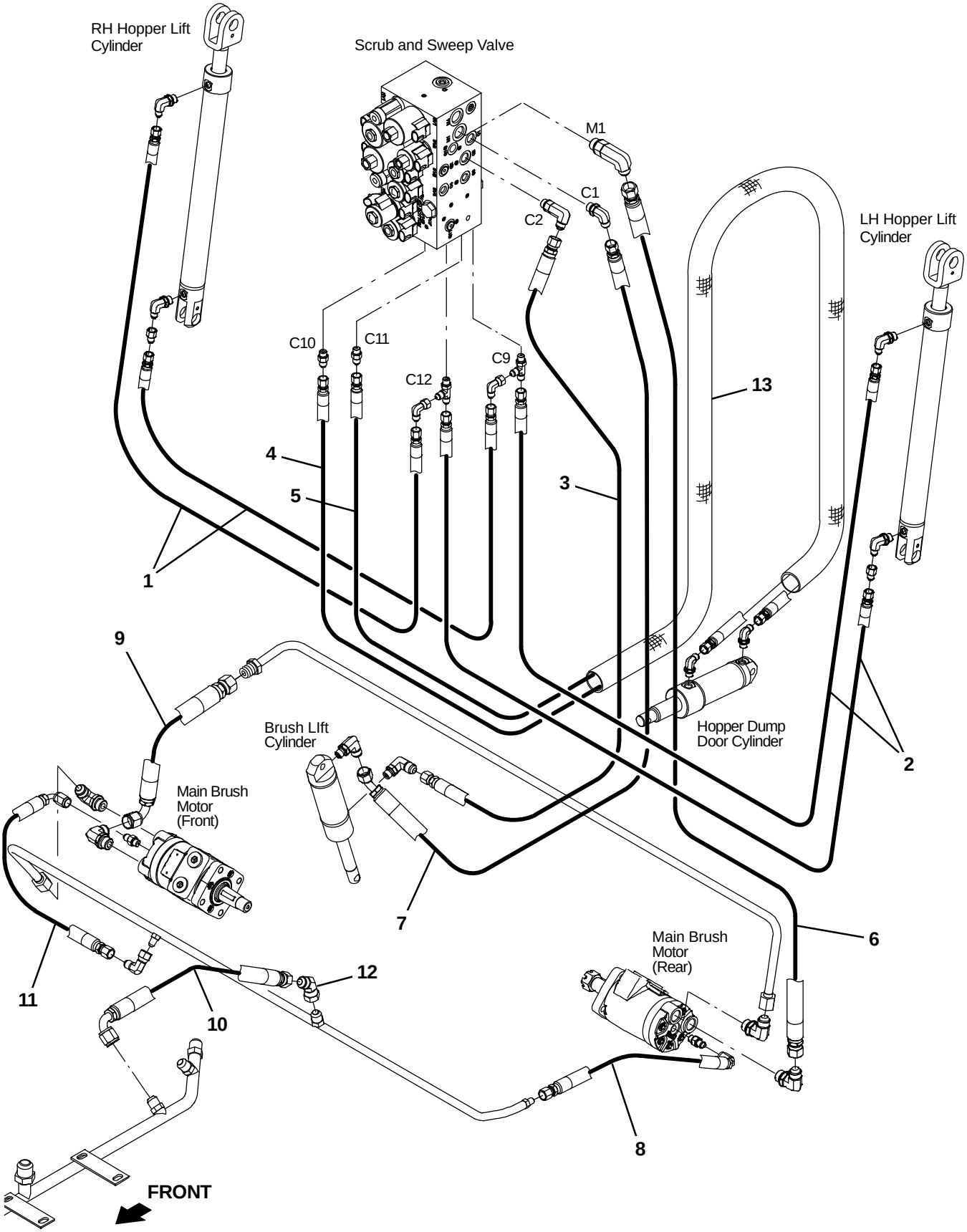


356560 – M30

Fig. 79 – Hydraulic Hose Group, Pump and Vacuum Fan

Ref.	Part No.	Serial Number	Description	Qty.
1	71741	(008000–)	Hose, Hyd, Tc08, Jf08e90/Jf08str, 046.0	1
2	16431	(008000–)	Hose, Hyd, Med06, Jf06str/Jf06str, 022.0	2
3	1036945	(008000–)	Hose, Hyd, Tc08, Jf08str/Jf08str, 031.0	1
4	1040216	(008000–)	Hose, Hyd, Tc08, Jf08e90/Jf08str, 029.0	2
5	34395	(008000–)	Hose, Hyd, Med08, Jf08str/Jf08str, 025.0	1
6	34351	(008000–)	Hose, Hyd, Suc20, Jf20str/Jf20e90, 032.0	1
7	71556	(008000–)	Hose, Hyd, Med06, Jf06str/Jf06str, 042.0	1
8	1025547	(008000–)	Hose, Hyd, Med10, Jf10Str/Jf10Str, 041.0	1
9	1050436	(008000–)	Hose, Hyd, Med12, Jf12E90/Jf12Str, 029.0	1
10	1028145	(008000–)	Hose, Hyd, Med12, Jf12Str/Jf12Str, 066.0	1
11	1026645	(008000–)	Hose, Hyd, Tc08, Jf08E45/Jf08Str, 026.0	1
12	1023606	(008000–)	Hose, Hyd, Tc08, Jf08Str/Jf08Str, 021.0	1

Fig. 80 – Hydraulic Hose Group, Brush and Hopper

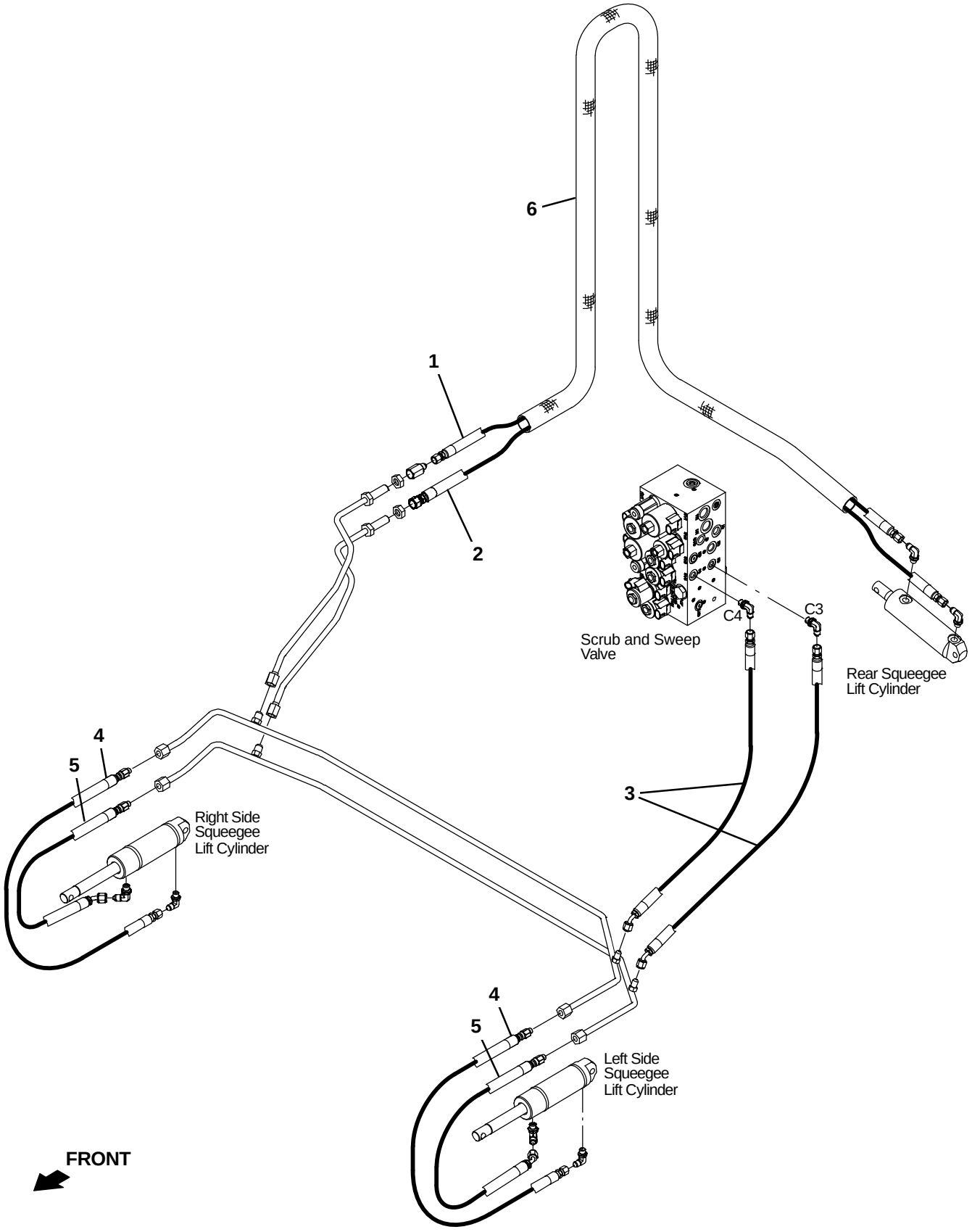


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Fig. 80 – Hydraulic Hose Group, Brush and Hopper

Ref.	Part No.	Serial Number	Description	Qty.
1	1040628	(008000–)	Hose, Hyd, Tc04, Jf04str/Jf04str, 96.0	2
2	1040629	(008000–)	Hose, Hyd, Tc04, Jf04str/Jf04str, 58.0	2
3	1036939	(008000–)	Hose, Hyd, Tc06, Jf06str/Jf06str, 054.0	1
4	1040764	(008000–)	Hose, Hyd, Spcl, Jf04str/Jf04str, 149.0	1
5	1040763	(008000–)	Hose, Hyd, Spcl, Jf04str/Jf04str, 145.0	1
6	1024764	(008000–)	Hose, Hyd, Tc08, Jf08str/Jf08str, 048.0	1
7	1023769	(008000–)	Hose, Hyd, Tc06, Jf06str/Jf06e45, 056.0	1
8	57946	(008000–)	Hose, Hyd, Med04, Jf04e90/Jf04str, 016.0	1
9	1025544	(008000–)	Hose, Hyd, Tc08, Jf08e90/Jf08str, 013.0	1
10	1041391	(008000–)	Hose, Hyd, Tc08, Jf08e45/Jf08str, 018.0	1
11	387281	(008000–)	Hose, Hyd, Tc04, Jf04e90/Jf04str, 020.0	1
12	07797	(008000–)	Fitting, Hyd, E45, Jf08/Jm08	1
13	1075930	(008000–)	Sleeve, Nyl, 1.22id, 120.0l	1

Fig. 81 – Hydraulic Hose Group, Squeegee Lift

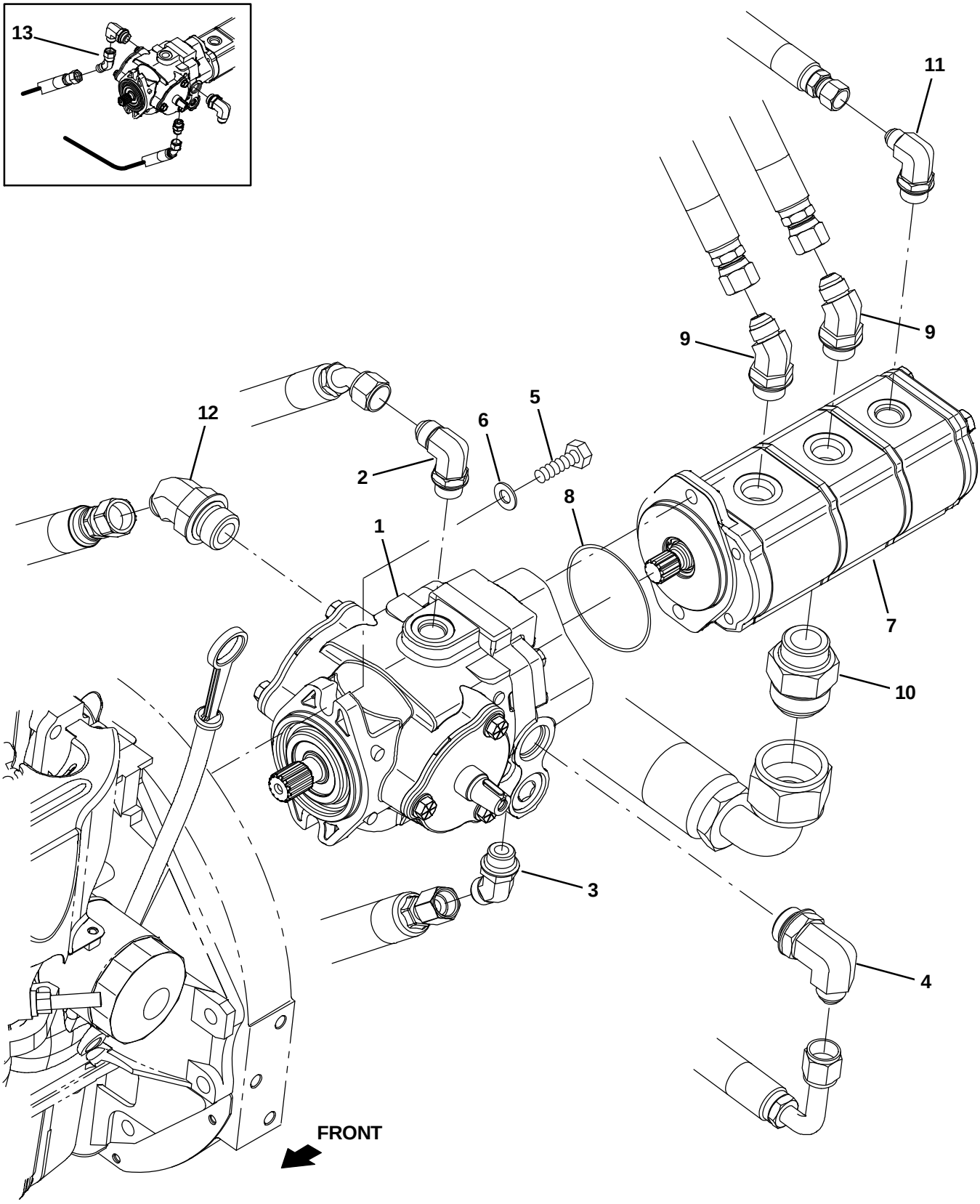


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Fig. 81 – Hydraulic Hose Group, Squeegee Lift

Ref.	Part No.	Serial Number	Description	Qty.
1	1036956	(008000–)	Hose, Hyd, Spcl, Jf04str/Jf04str, 136.0	1
2	1036955	(008000–)	Hose, Hyd, Spcl, Jf04str/Jf06str, 136.0	1
3	1030709	(008000–)	Hose, Hyd, Tc04, Jf04str/Jf04e45, 035.0	2
4	1263336	(008000–)	Hose, Hyd, Tc04, Jf04Str/Qm06, 028.0	2
5	1263337	(008000–)	Hose, Hyd, Tc04, Jf04e45/Qm06, 024.0	2
6	1075930	(008000–)	Sleeve, Nyl, 1.22id, 120.0l	1

Fig. 82 – Hydraulic Pumps Group

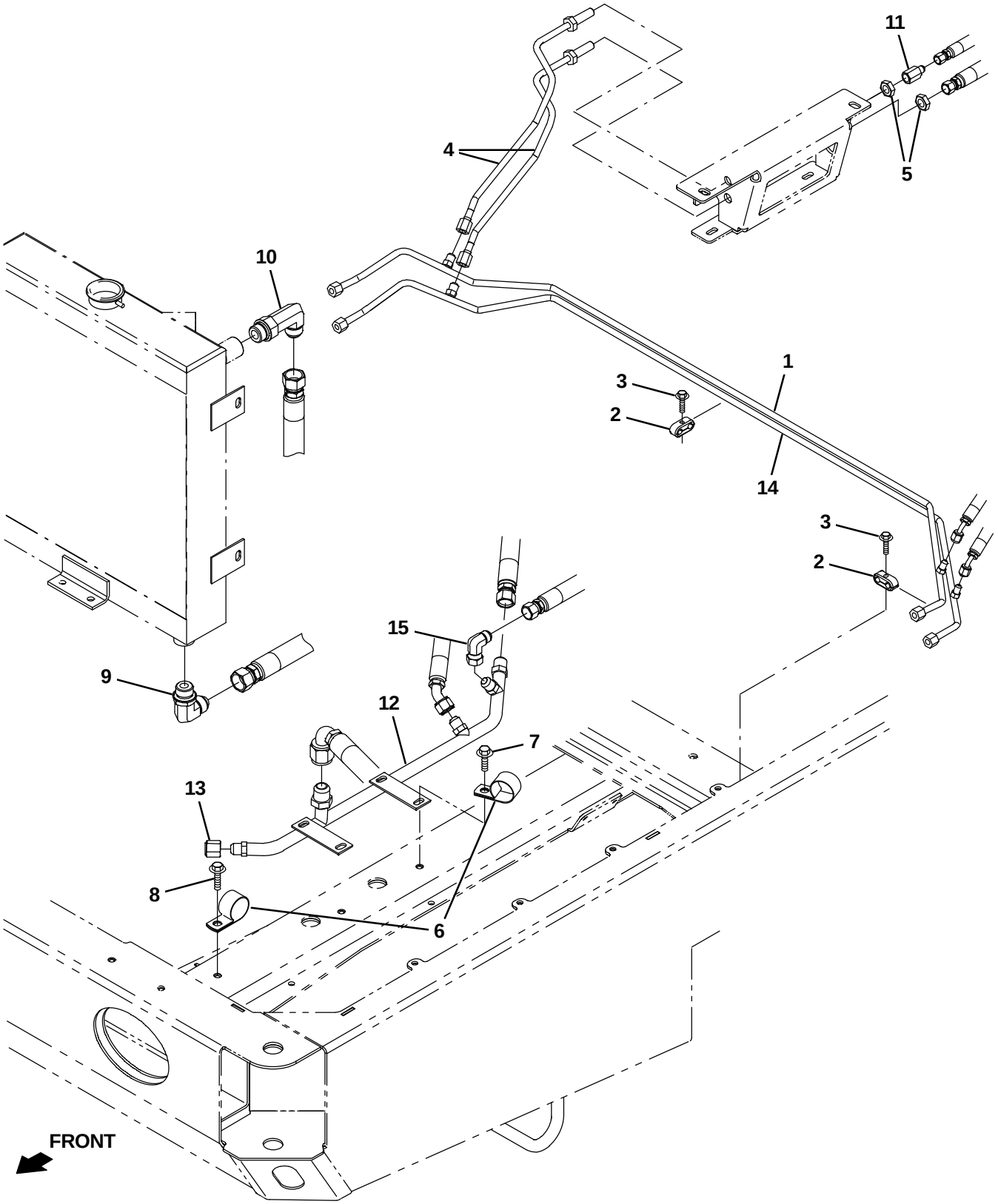


354454 – G/LP

Fig. 82 – Hydraulic Pumps Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1024251	(008000–)	Pump, Hyd, Piston, Var, 1.24 4000, Cw (See Breakdowns)	1
2	44868	(008000–)	Fitting, Hyd, E90, Jm08/Om08	1
3	42226	(008000–)	Fitting, Hyd, E45, Jm08/Om08	1
4	53076	(008000–009320)	Fitting, Hyd, E90, Jm10/Om12	2
4	47655	(009321–)	Fitting, Hyd, E90, Jm08/Om12	2
5	39283	(008000–)	Screw, Hex, M10 X 1.50 X 25, 8.8	2
6	32485	(008000–)	Washer, Flat, 0.38 Sae	2
7	9007142	(008000–)	Pump Kit, Mtg, Aux, Ci [M20 & T20]	1
8	65145–1	(008000–)	Seal, Org, .069 X 3.06id	1
9	47513	(008000–)	Fitting, Hyd, E45, Jm08/Om10	2
10	67811	(008000–)	Fitting, Hyd, Str, Jm20/Om16	1
11	47512	(008000–)	Fitting, Hyd, E90, Jm06/Om08	1
12	1258930	(012315–)	Fitting, Hyd, E45, Jm08/Om12	1
13	54017	(008000–012314)	Fitting, Hyd, E45, Jf10/Jm10	1

Fig. 83 – Hydraulic Cooler and Tubes Group

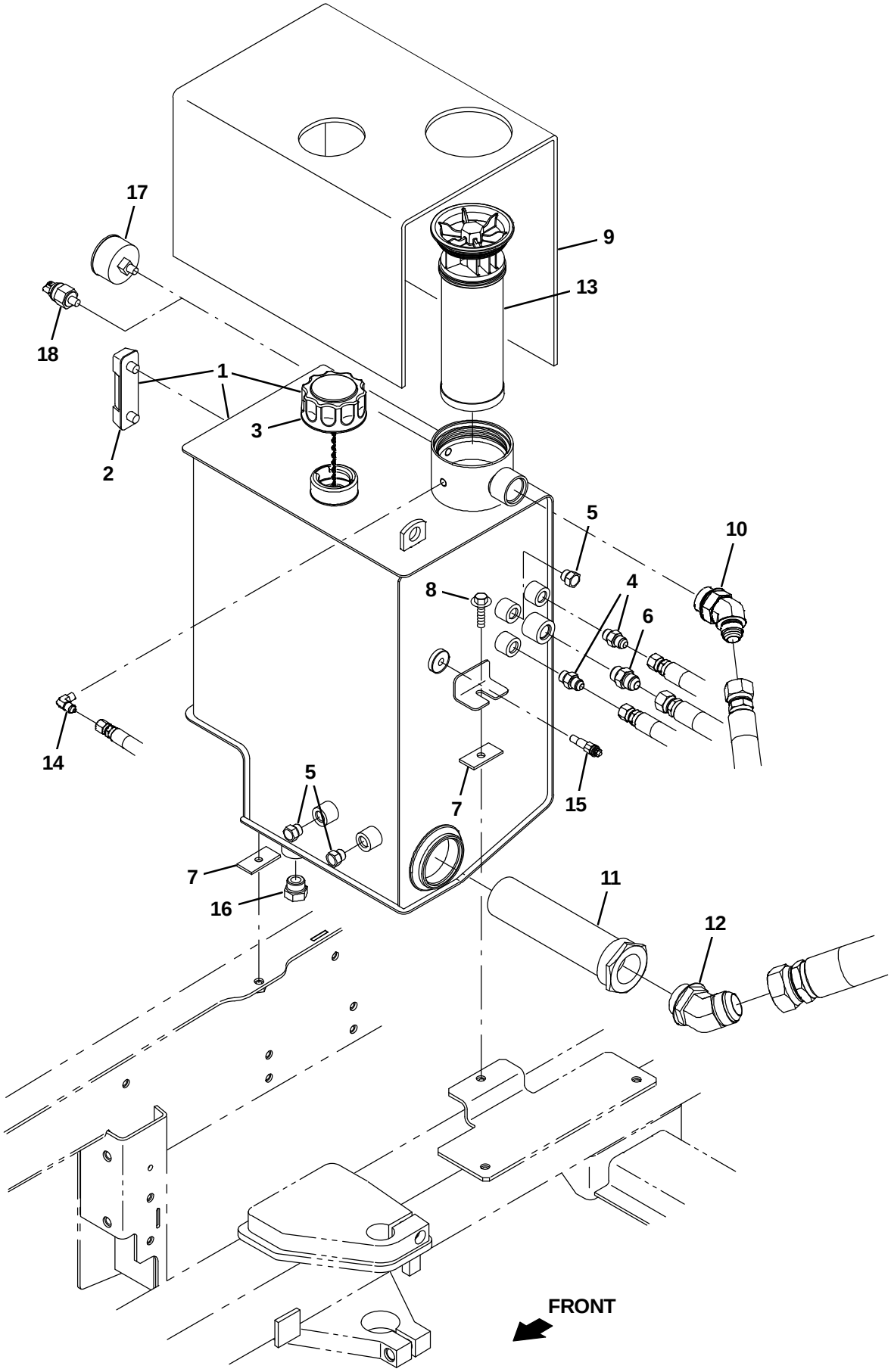


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Fig. 83 – Hydraulic Cooler and Tubes Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1042096	(008000–)	Tube, Hyd, 06, Sqge Lift	1
2	1043166	(008000–)	Clamp, Tube, 0.37d 0.37d, 2 Hole	2
3	222159	(008000–)	Screw, Hex, M6 X 1.00 X 25, Fmg	2
4	1028823	(008000–)	Tube, Hyd, Rear Sqge [M20]	2
5	35904	(008000–)	Nut, Ftg, Hyd, 0.56–18	2
6	53466	(008000–)	Clamp, Cable, Stl, 1.50d X 1.00w, 1hole	2
7	1037346	(008000–)	Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	1
8	1037354	(008000–)	Screw, Hex, M8 X 1.25 X 30, 9.8, Sems	1
9	46481	(008000–)	Fitting, Hyd, E90, Jm12/Om12	1
10	62471	(008000–)	Fitting, Hyd, E90, Jm12/Om12, Long	1
11	47752	(008000–)	Fitting, Hyd, Str, Jf06/Jm04	1
12	1071173	(008000–)	Tube, Hyd, Main Return [G/Lp Mit2013]	1
13	60090	(008000–)	Fitting, Hyd, Cap, Jf08	1
14	1042126	(008000–)	Tube, Hyd, 06, Sqge Lift	1
15	17980	(008000–)	Fitting, Hyd, E90, Jf08/Jm08	1

Fig. 84 – Hydraulic Reservoir Group



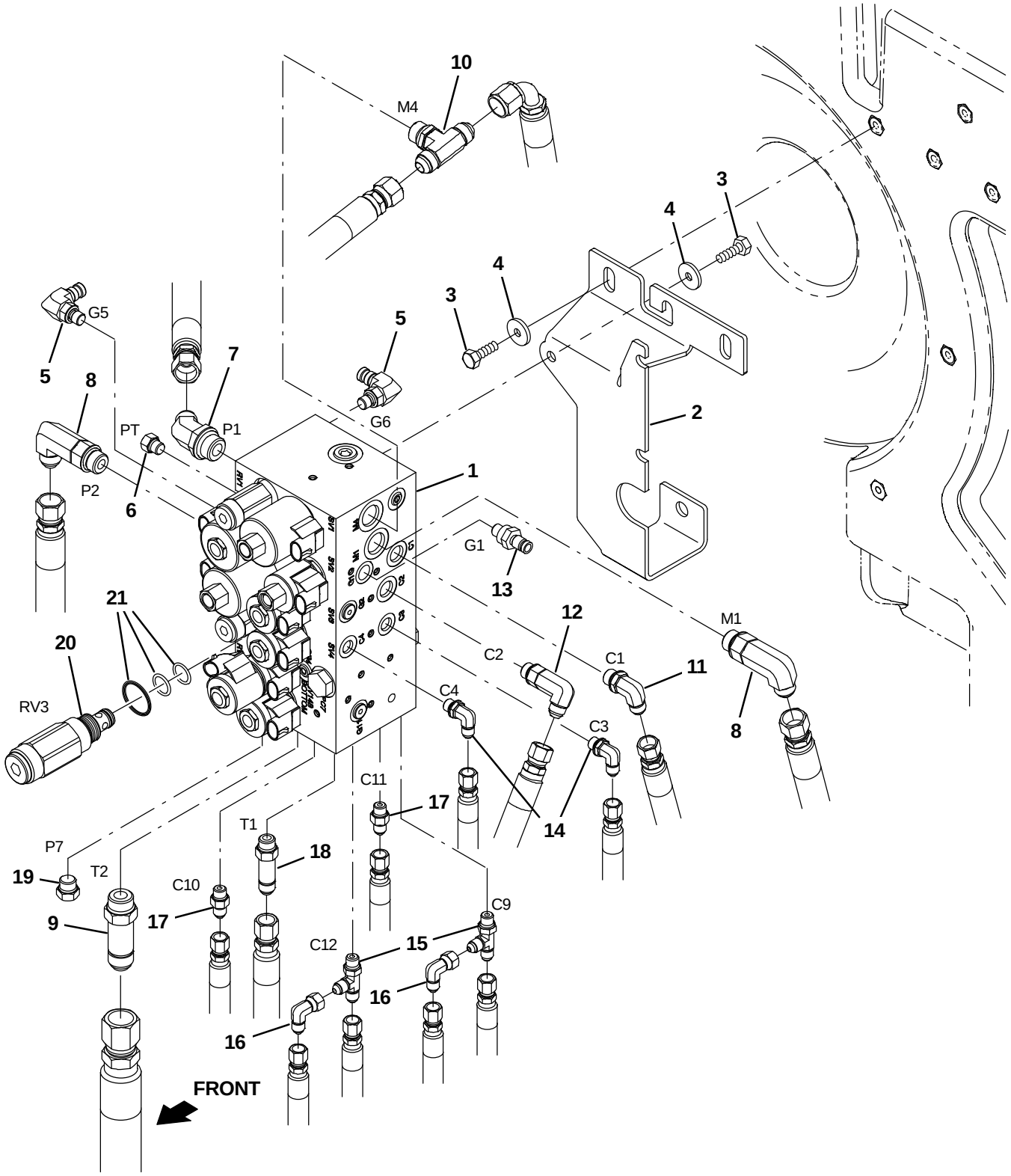
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Fig. 84 – Hydraulic Reservoir Group

	Ref.	Part No.	Serial Number	Description	Qty.
▽	1	9002398	(008000–)	Reservoir, Hyd, 10.0gal, Replmt	1
▲	2	65215	(008000–)	Gauge, Sensing, Level	1
▲	3	1018289	(008000–)	Cap, Breather, Hyd w/Chain	1
	4	56690	(008000–)	Fitting, Hyd, Str, Jm06/Om06	2
	5	46482	(008000–)	Fitting, Hyd, Plug, Om06	3
	6	42226	(008000–)	Fitting, Hyd, E45, Jm08/Om08	1
	7	1040318	(008000–)	Pad, Tank, Hyd [W/Psa]	2
	8	1037354	(008000–)	Screw, Hex, M8 X 1.25 X 30, 9.8, Sems	2
	9	1034878	(008000–)	Insulation, Thermal, Hyd Blanket	1
	10	1023545	(008000–)	Fitting, Hyd, E45, Jm12/Om16	1
	11	31613	(008000–)	Strainer, Hyd, 025gpm 100mesh 03psi	1
	12	71726	(008000–)	Fitting, Hyd, E45, Jm20/Om20	1
	13	1021579	(008000–)	Filter Assy, Hyd, 10mic	1
	14	55455	(008000–)	Fitting, Hyd, E90, Jm04/Pm02	1
	15	58592	(008000–)	Send–Unit, Water, Temp,04npt[113oh/195d]	1
	16	40362	(008000–)	Fitting, Hyd, Plug, Om10	1
	17	1025132	(008000–)	Indicator, Press, 60psi (No. Amer. Only)	1
	18	1025133	(008000–)	Switch, Press, Hyd, 18–24Psi, Spst, No (Europe Only)	1

Fig. 85 – Hydraulic Valve Group

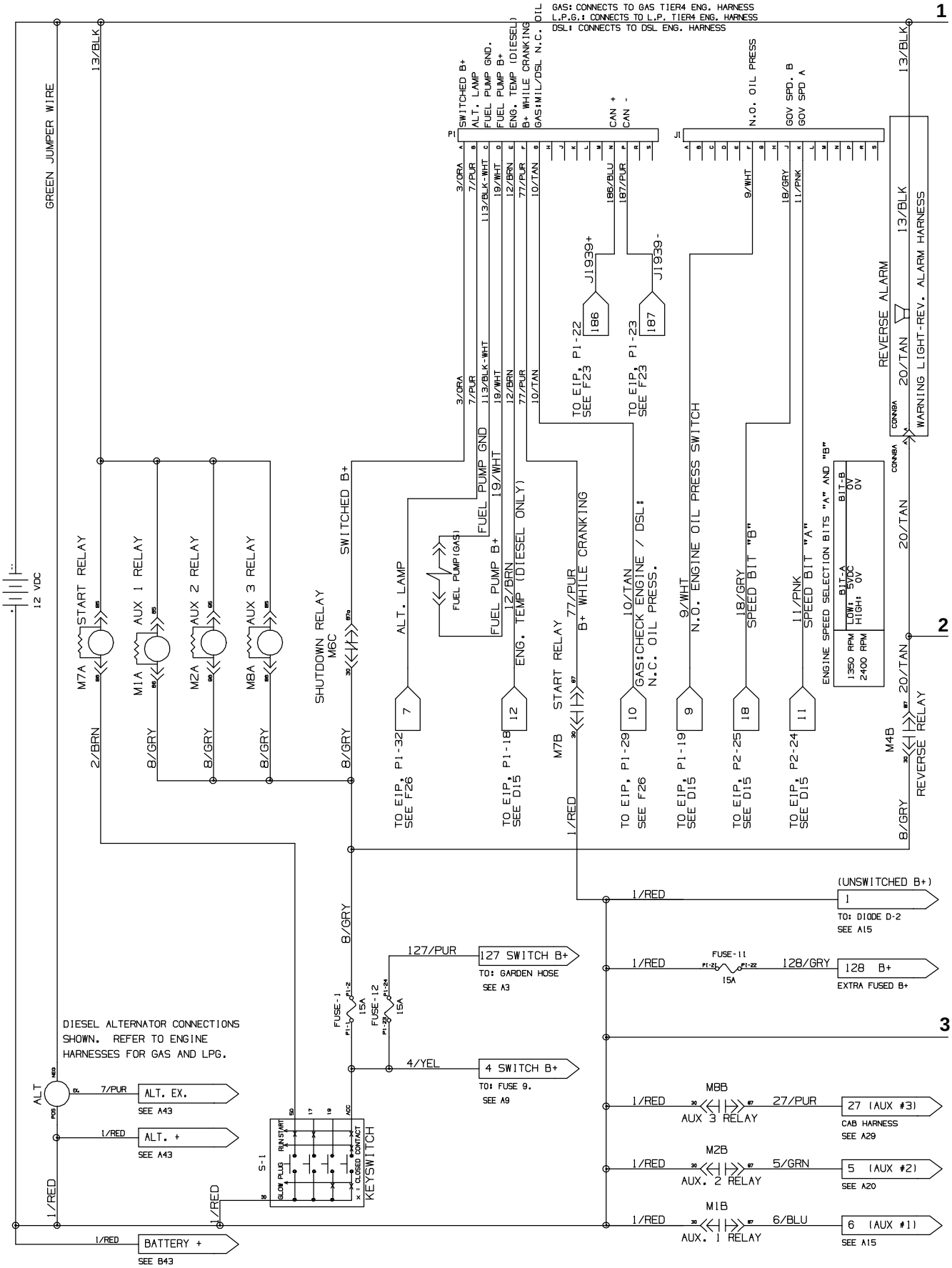


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Fig. 85 – Hydraulic Valve Group

	Ref.	Part No.	Serial Number	Description	Qty.
	1	1072995	(008000–)	Valve, Cntrl, Hyd, Solenoid, 12vdc 10gpm (See Breakdowns)	1
	2	1040339	(008000–)	Bracket, Mtg, Valve, Hyd	1
	3	09740	(008000–)	Screw, Hex, M8 X 1.25 X 20, Ss	7
	4	1017218	(008000–)	Washer, Flat, 0.32B 1.00D .12, Ss	7
	5	395974	(008000–)	Fitting, Hyd, E90, Om04/Qm04	2
	6	33812	(008000–)	Fitting, Hyd, Plug, Om04	1
	7	42226	(008000–)	Fitting, Hyd, E45, Jm08/Om08	1
	8	69173	(008000–)	Fitting, Hyd, E90, Jm08/Om08, Long	2
	9	1040876	(008000–)	Fitting, Hyd, Str, Jm10/Om10, Long	1
	10	49933	(008000–)	Fitting, Hyd, Tee, Jm08/Jm08/Om08, Br	1
	11	56820	(008000–)	Fitting, Hyd, E90, Jm06/Om06	1
	12	71727	(008000–)	Fitting, Hyd, E90, Jm06/Om06, Long	1
	13	395973	(008000–)	Fitting, Hyd, Str, Om04/Qm04	1
	14	77097	(008000–)	Fitting, Hyd, E90, Jm04/Om04	2
	15	34390	(008000–)	Fitting, Hyd, Tee, Jm04/Jm04/Om04, Run	2
	16	39210	(008000–)	Fitting, Hyd, E90, Jf04/Jm04	2
	17	55586	(008000–)	Fitting, Hyd, Str, Jm04/Om04	2
	18	59577	(008000–)	Fitting, Hyd, Str, Jm06/Om06, Long	1
	19	46482	(008000–)	Fitting, Hyd, Plug, Om06	1
▽	20	1043459	(008000–)	Valve, Relief, 1100 Psi	1
▲	21	373647	(008000–)	Seal Kit, Cartridge	1

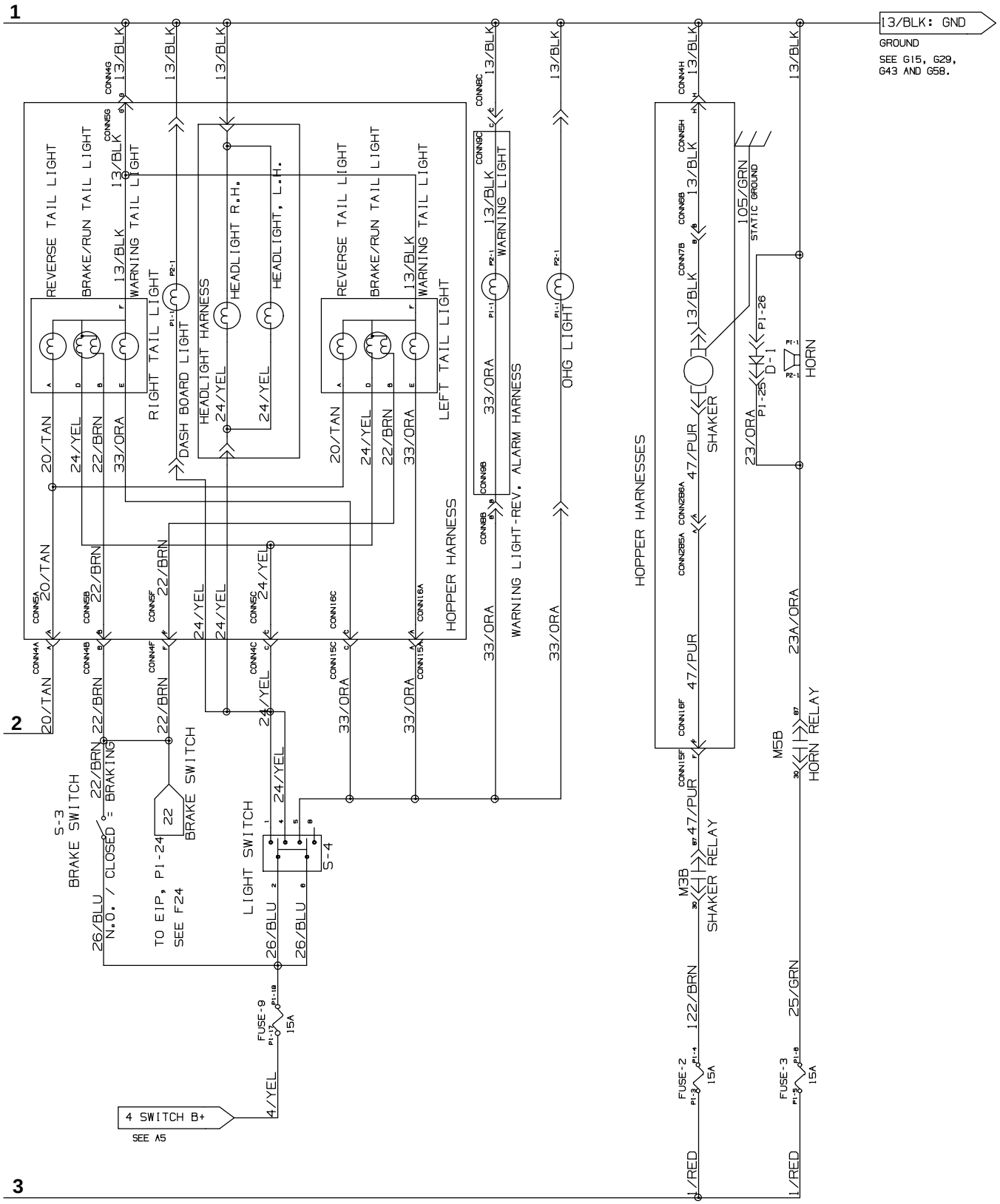
Fig. 86 – Electrical Schematic (S/N 008000–010000)



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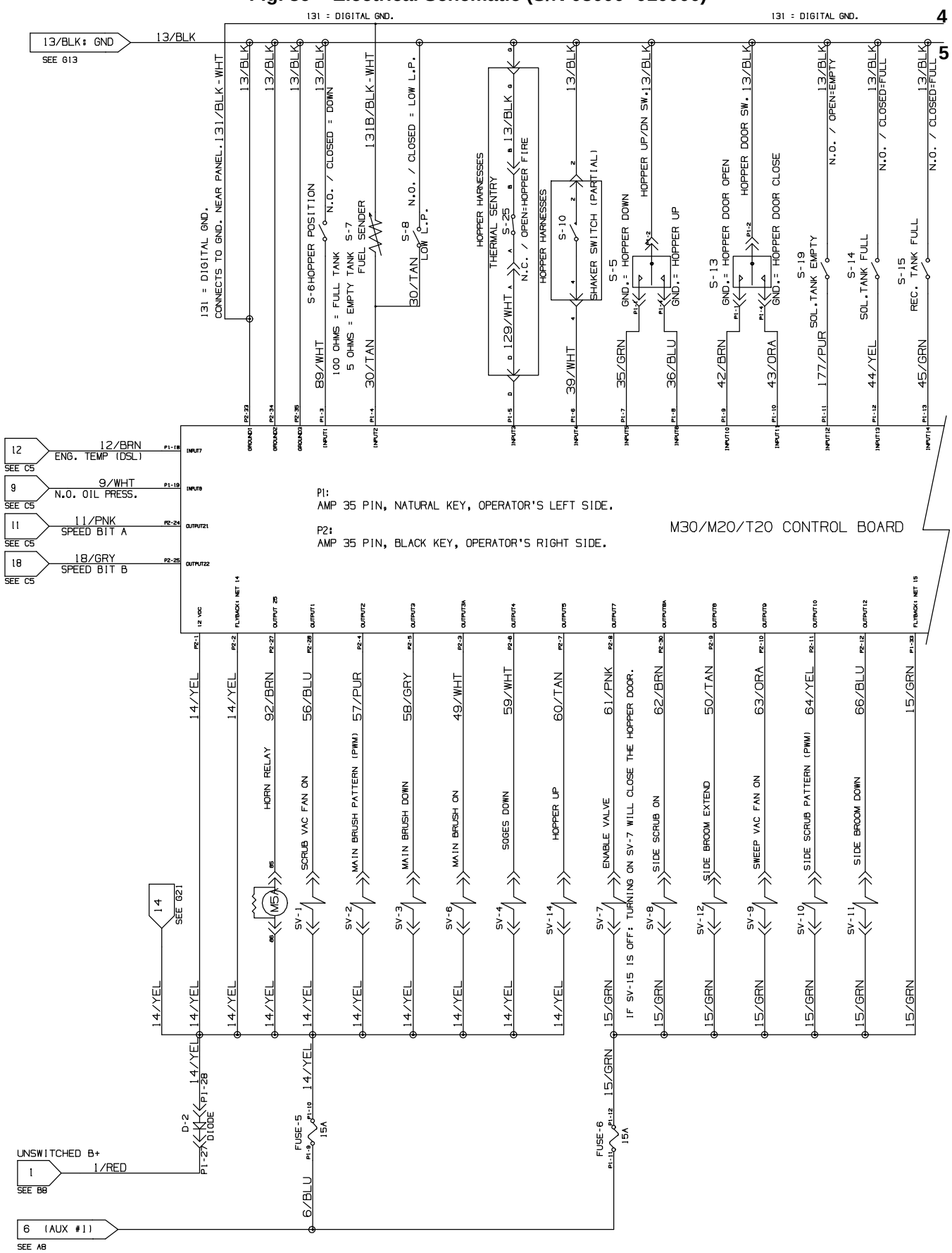
Fig. 86 – Electrical Schematic (S/N 008000–010000)



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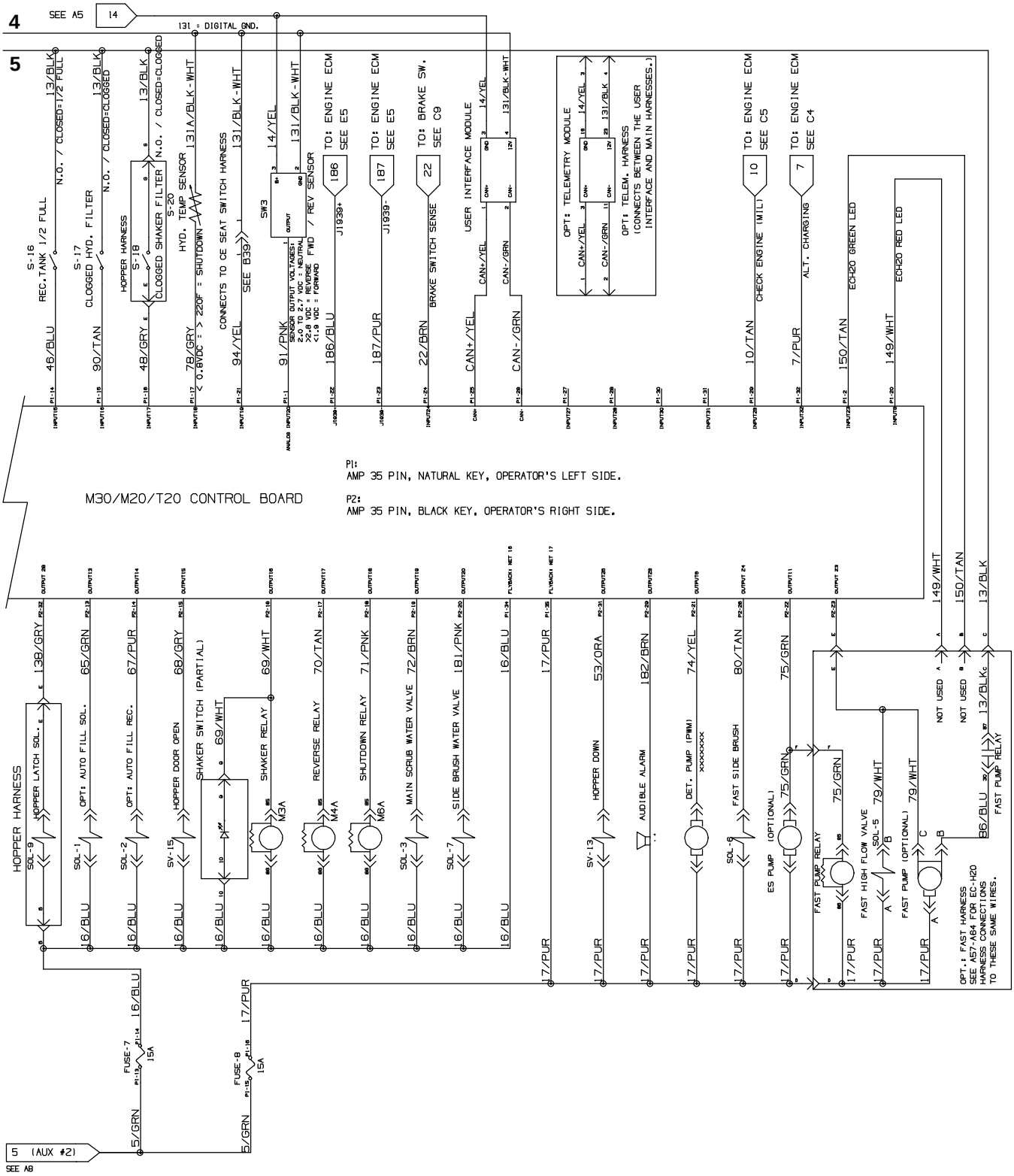
Fig. 86 – Electrical Schematic (S/N 08000–010000)



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Fig. 86 – Electrical Schematic (S/N 008000–010000)

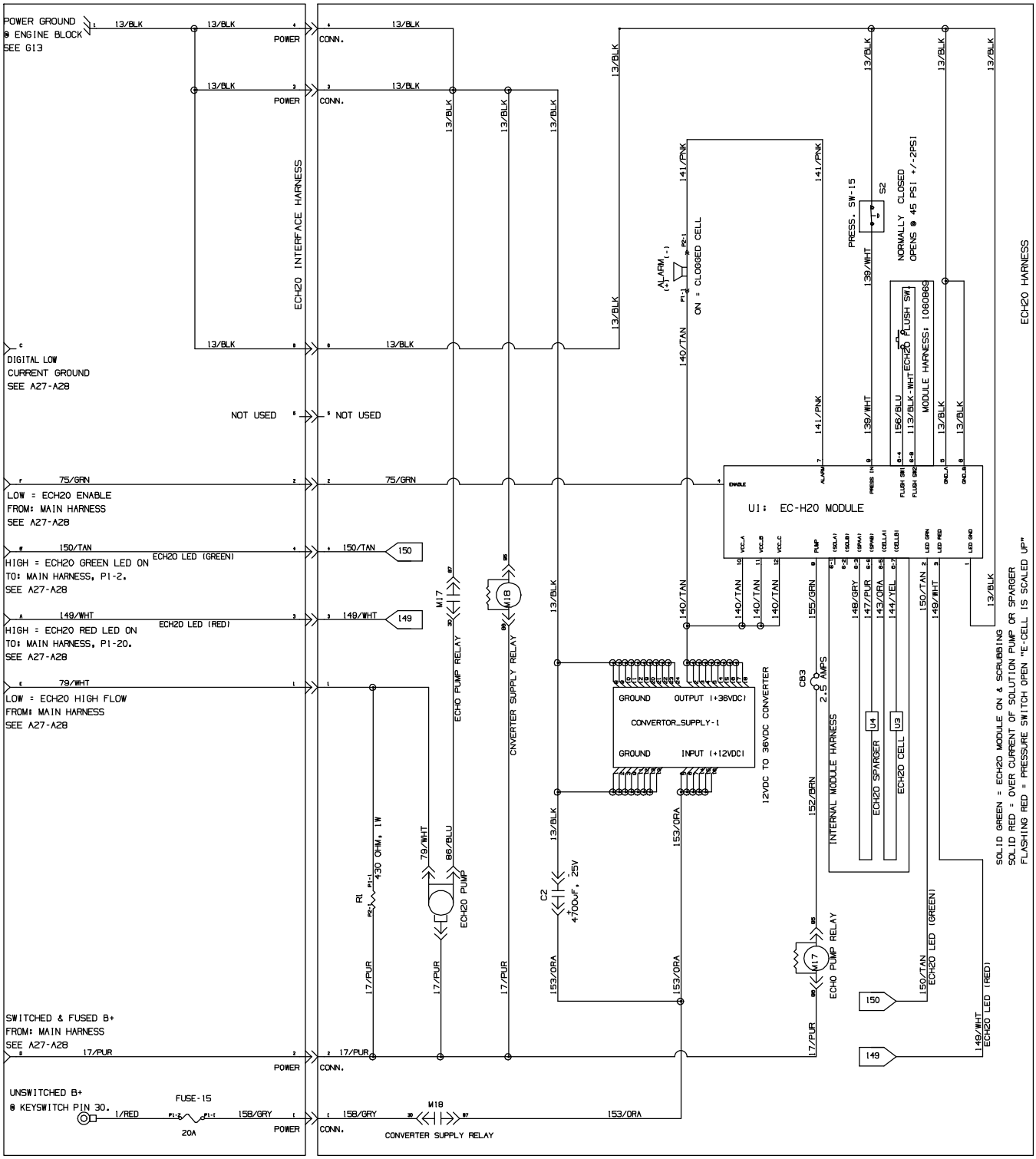


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Fig. 86 – Electrical Schematic (S/N 008000–010000)

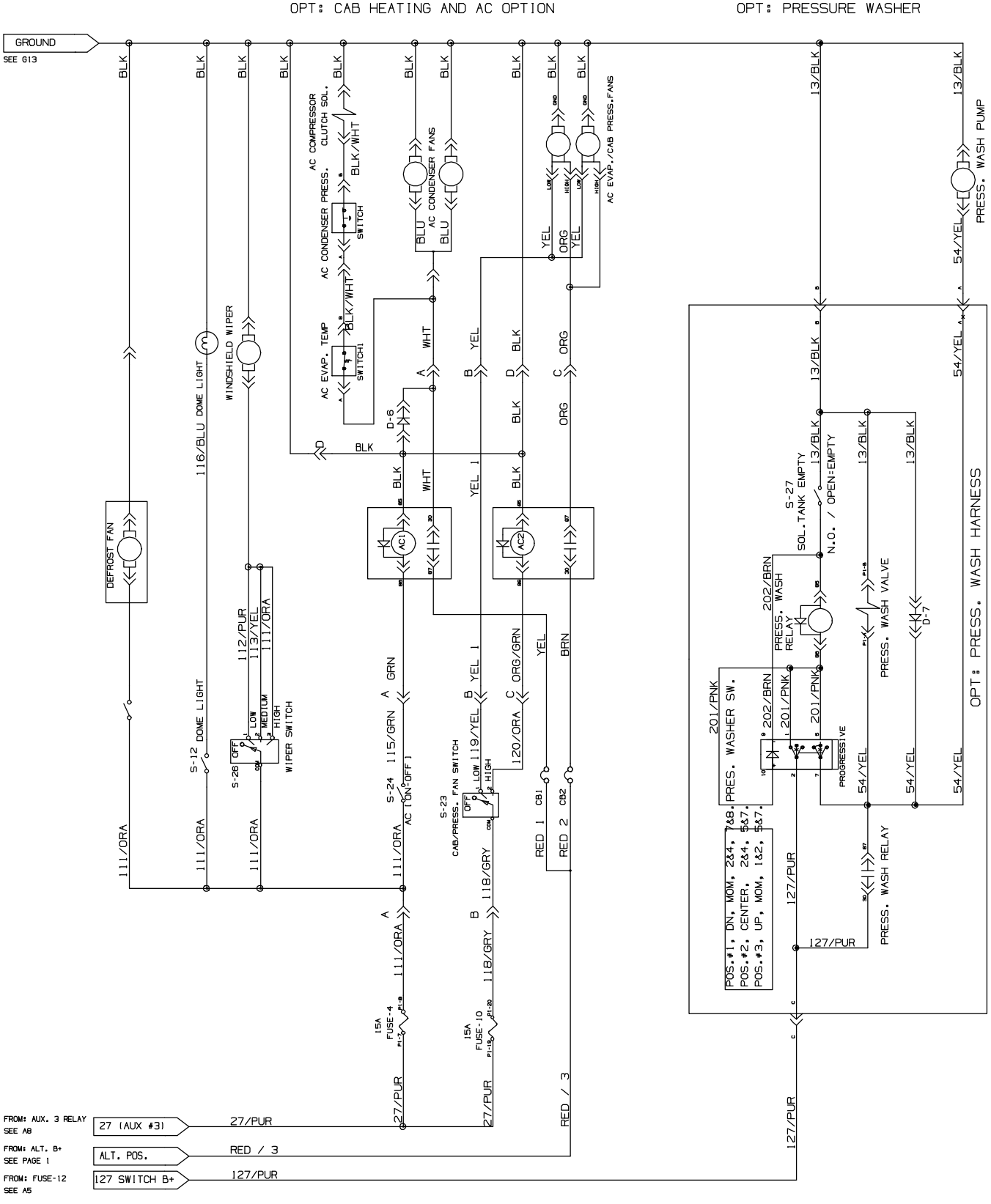
OPT: EC-H2O SYSTEM



1075420 – 356680

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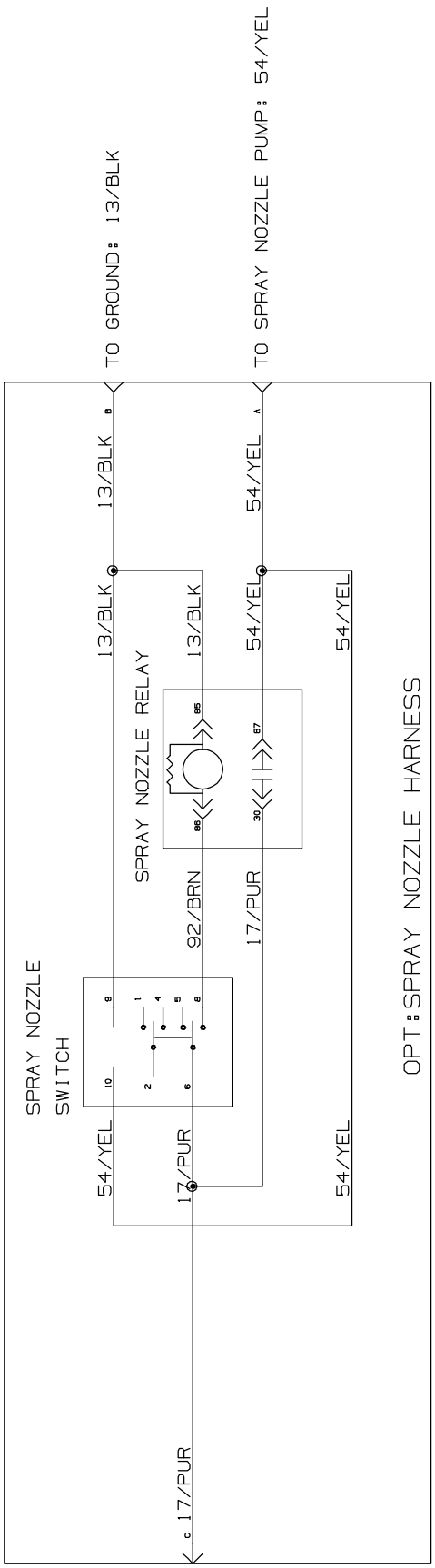
Fig. 86 – Electrical Schematic (S/N 008000–010000)



1075420 – 356680

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Fig. 86 – Electrical Schematic (S/N 08000–010000)

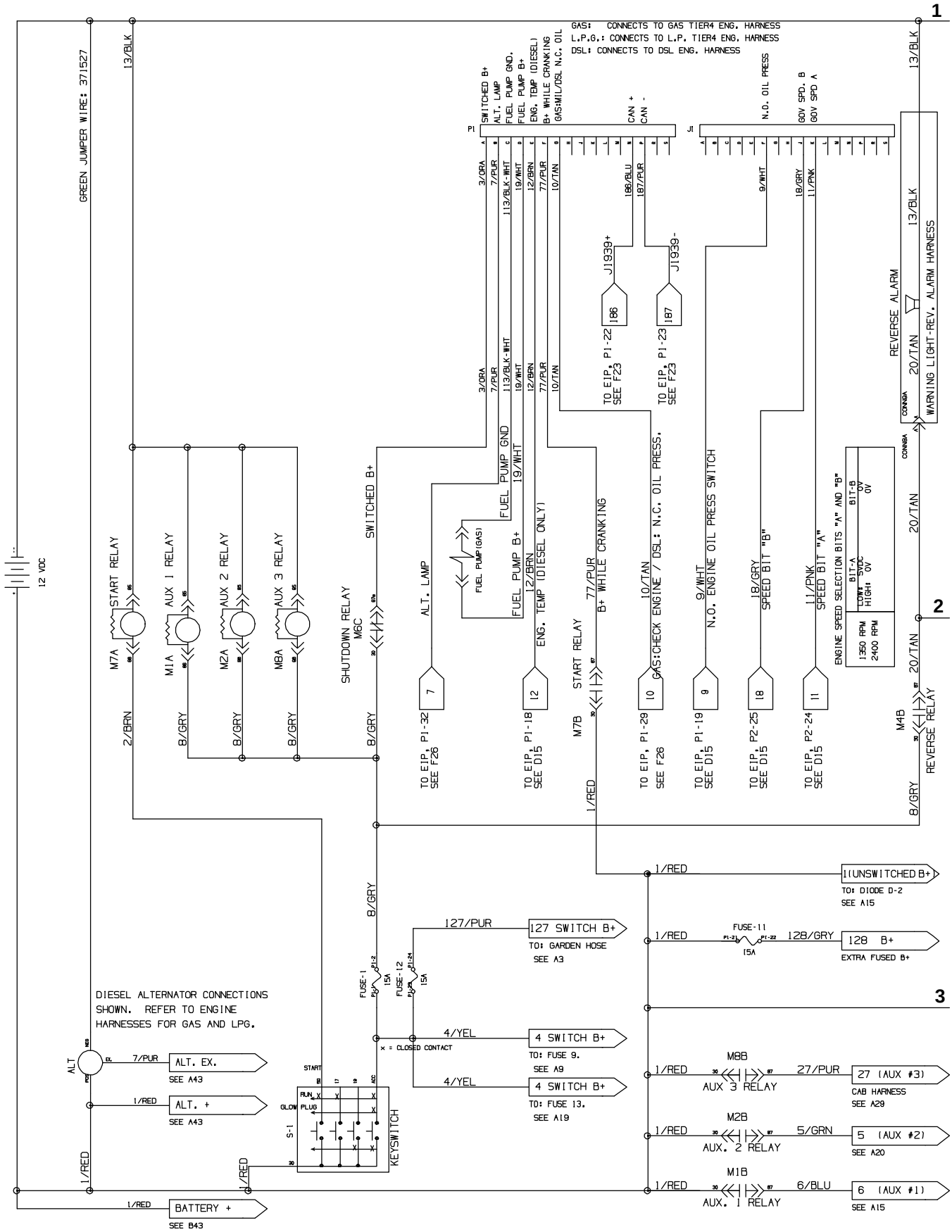


1075420 – 356680

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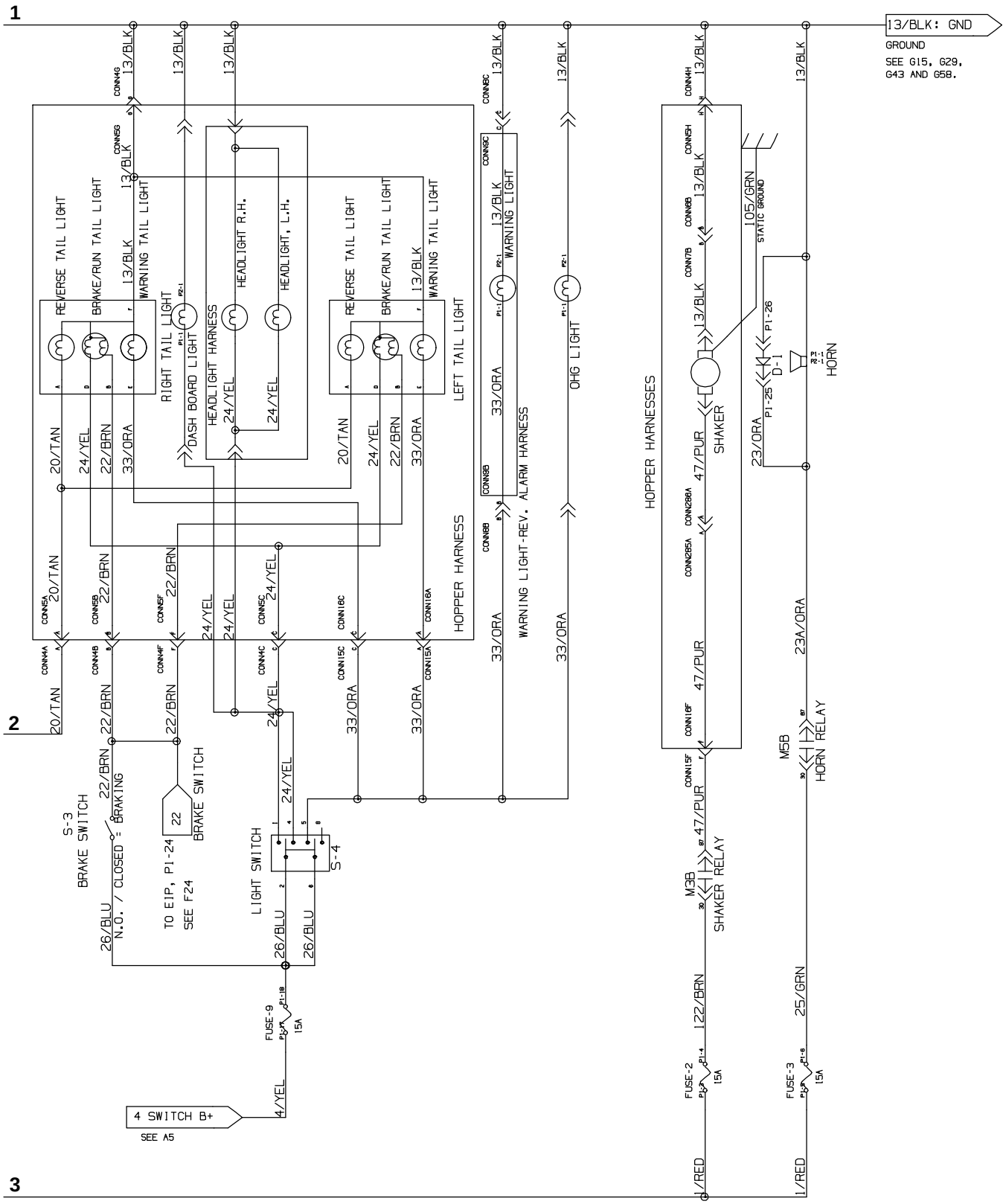
Fig. 87 – Electrical Schematic (S/N 010001–)



1075420 – 356680

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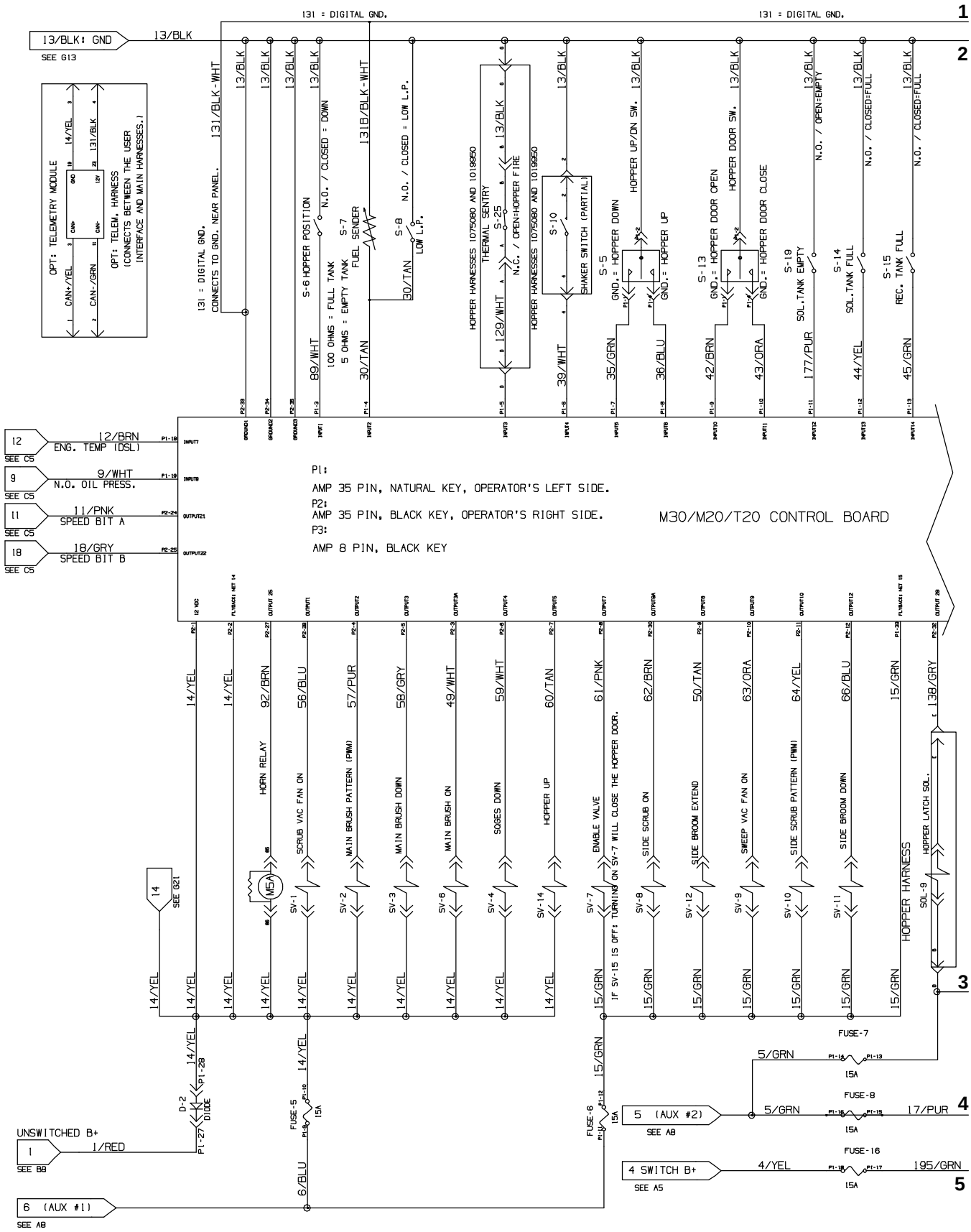
Fig. 87 – Electrical Schematic (S/N 010001–)



1075420 – 356680

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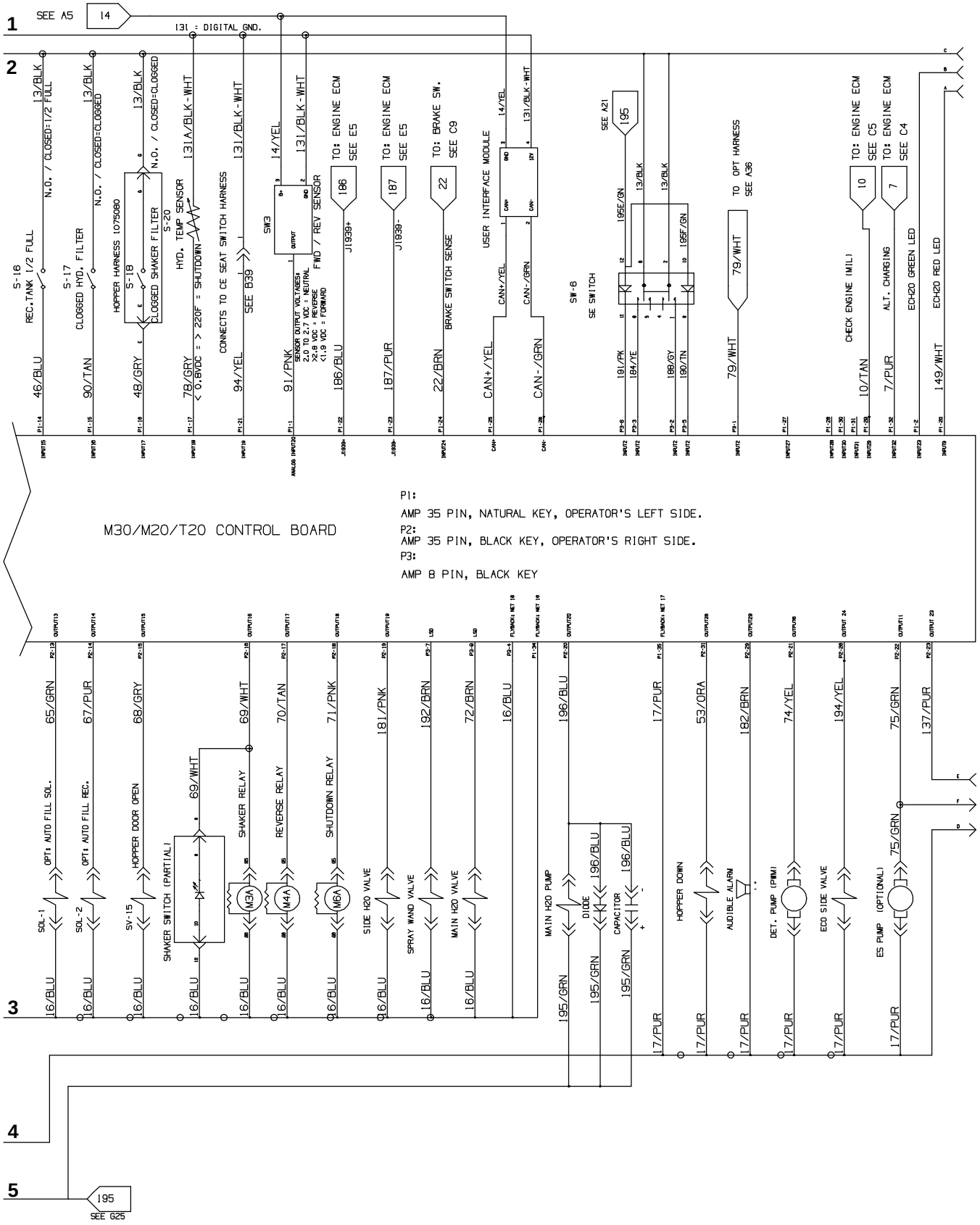
Fig. 87 – Electrical Schematic (S/N 010001–)



1075420 – 356680

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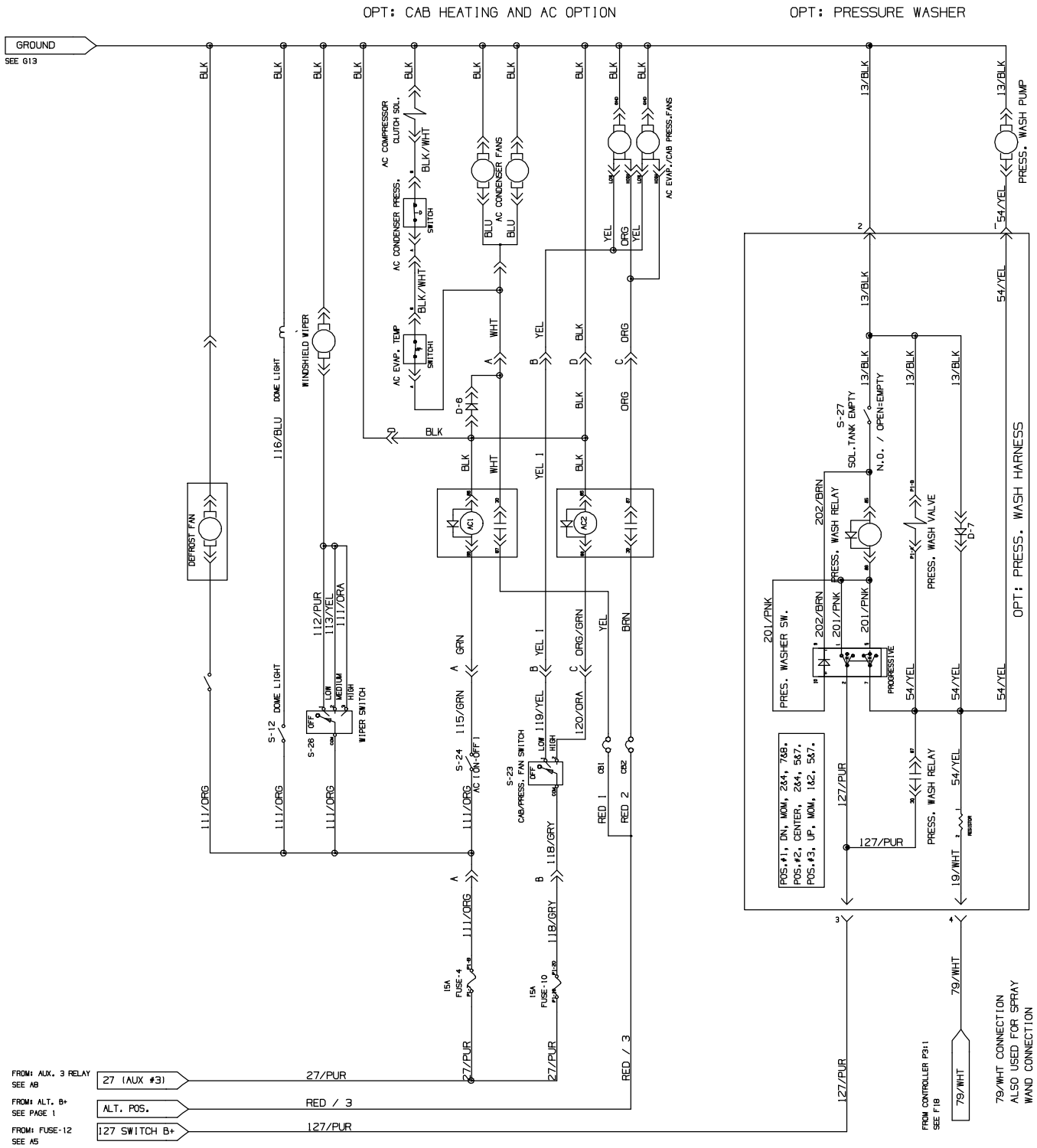
Fig. 87 – Electrical Schematic (S/N 010001–)



1075420 – 356680

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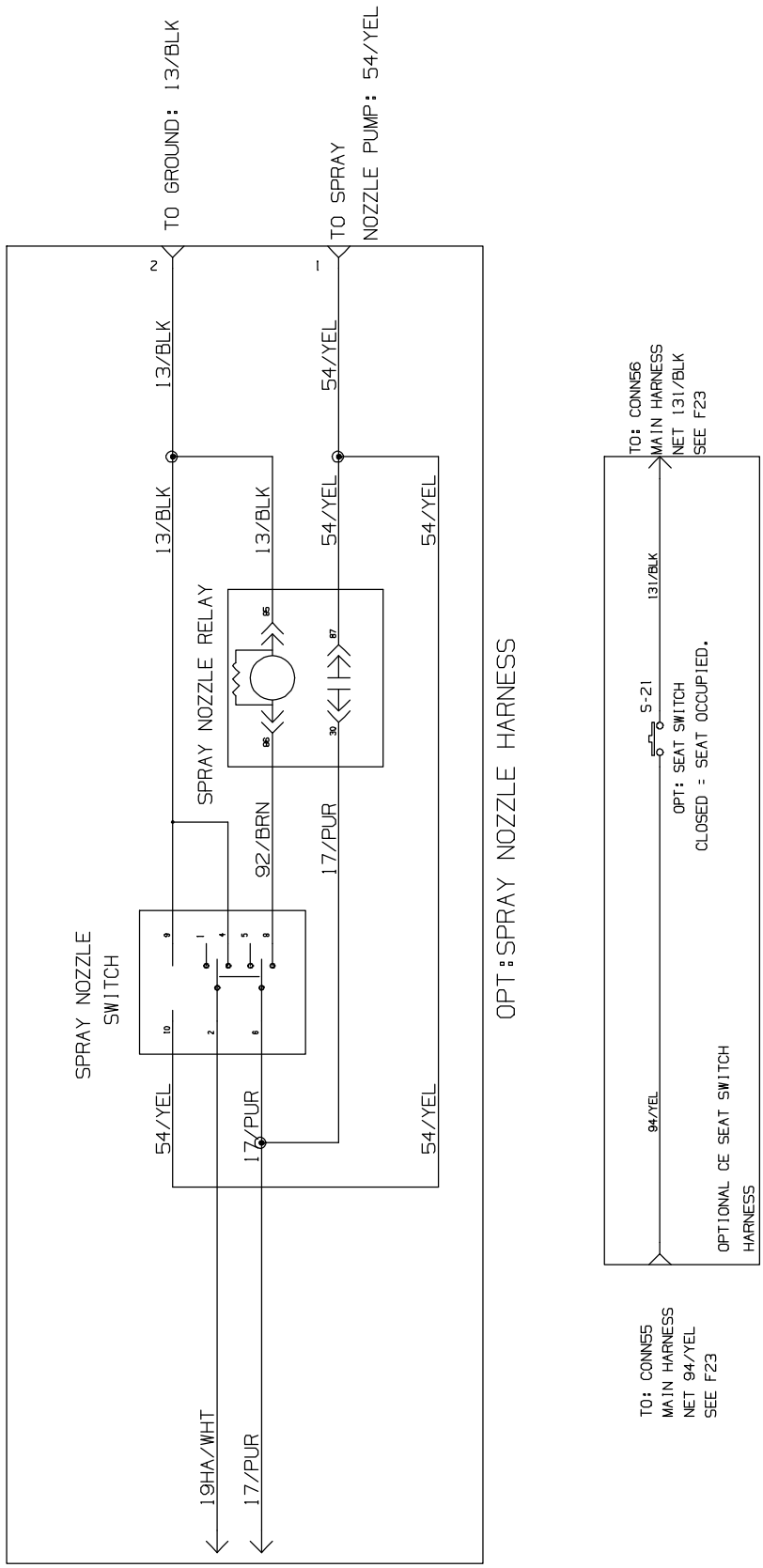
Fig. 87 – Electrical Schematic (S/N 010001–)



1075420 – 356680

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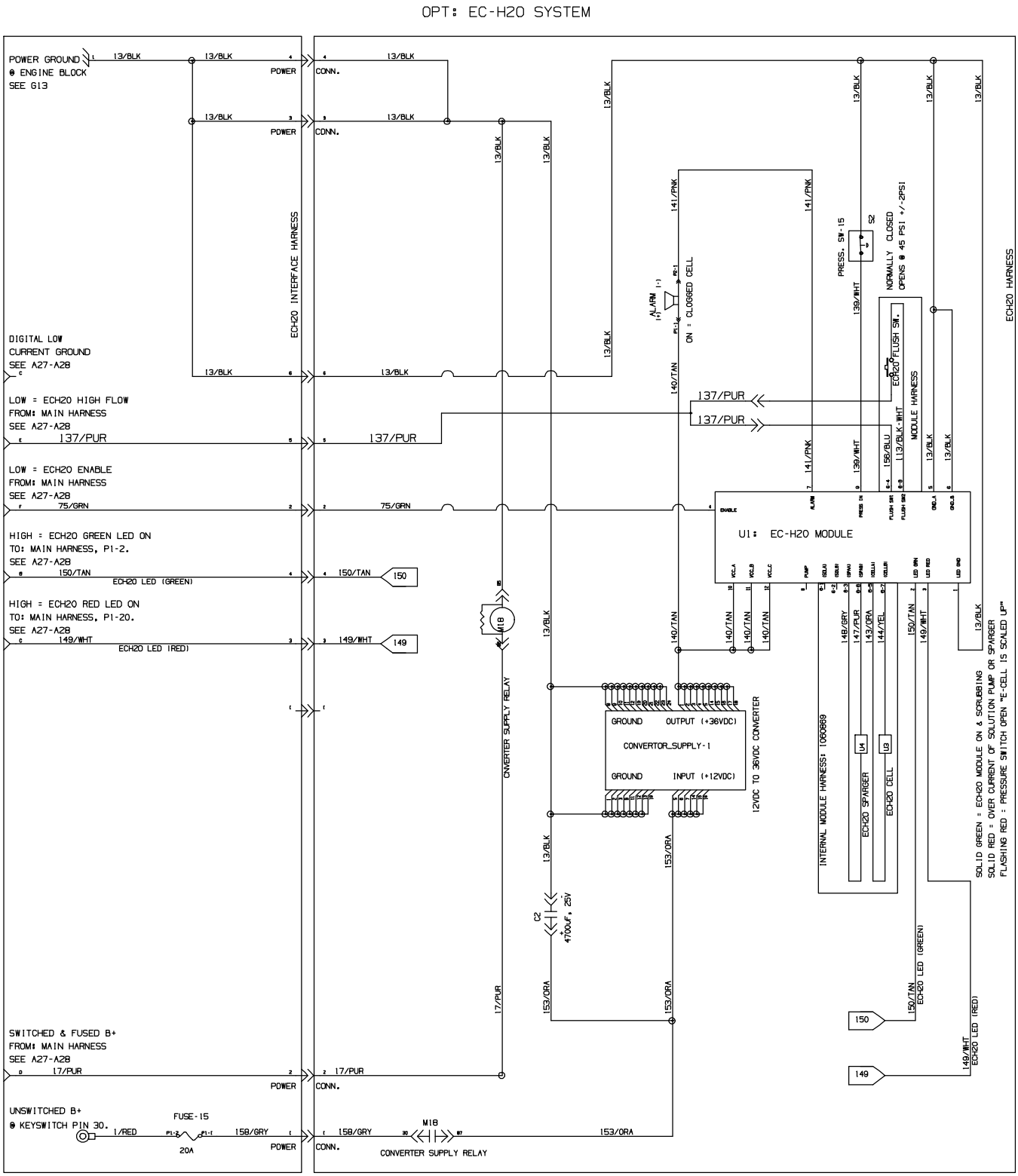
Fig. 87 – Electrical Schematic (S/N 010001–)



1075420 – 356680

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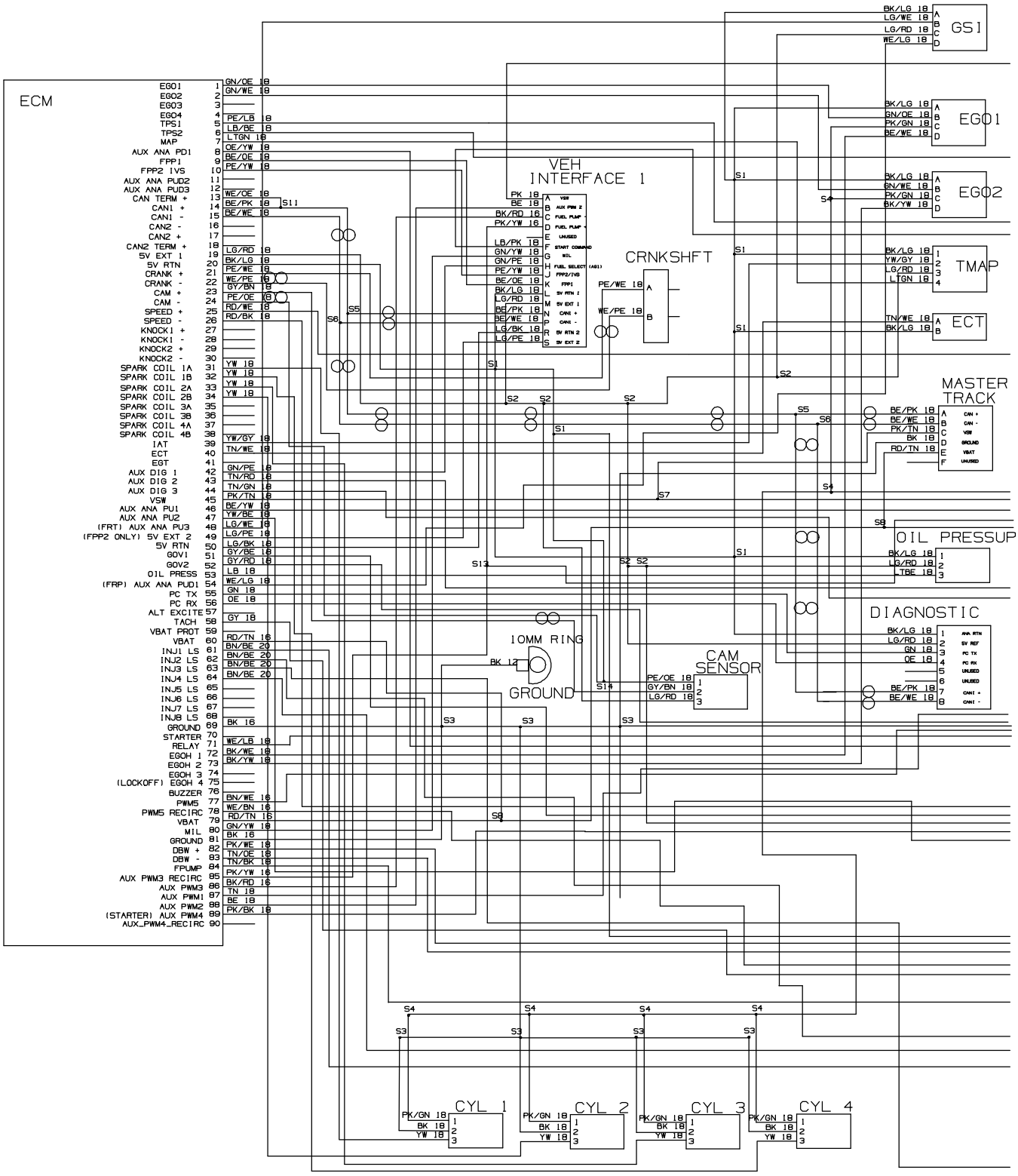
Fig. 87 – Electrical Schematic (S/N 010001–)



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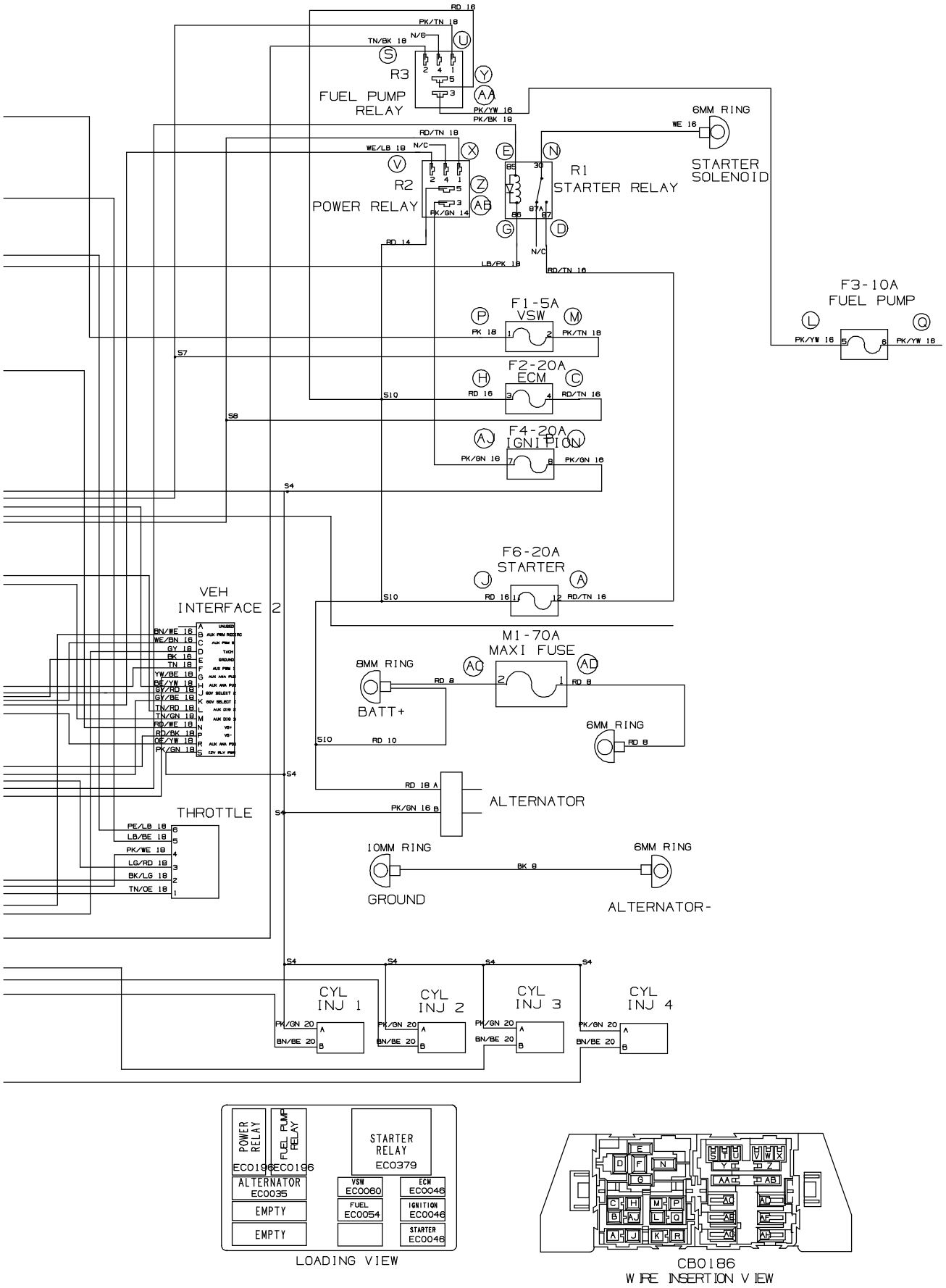
Fig. 88 – Electrical Schematic, Gas Engine Harness



1071653– 356303

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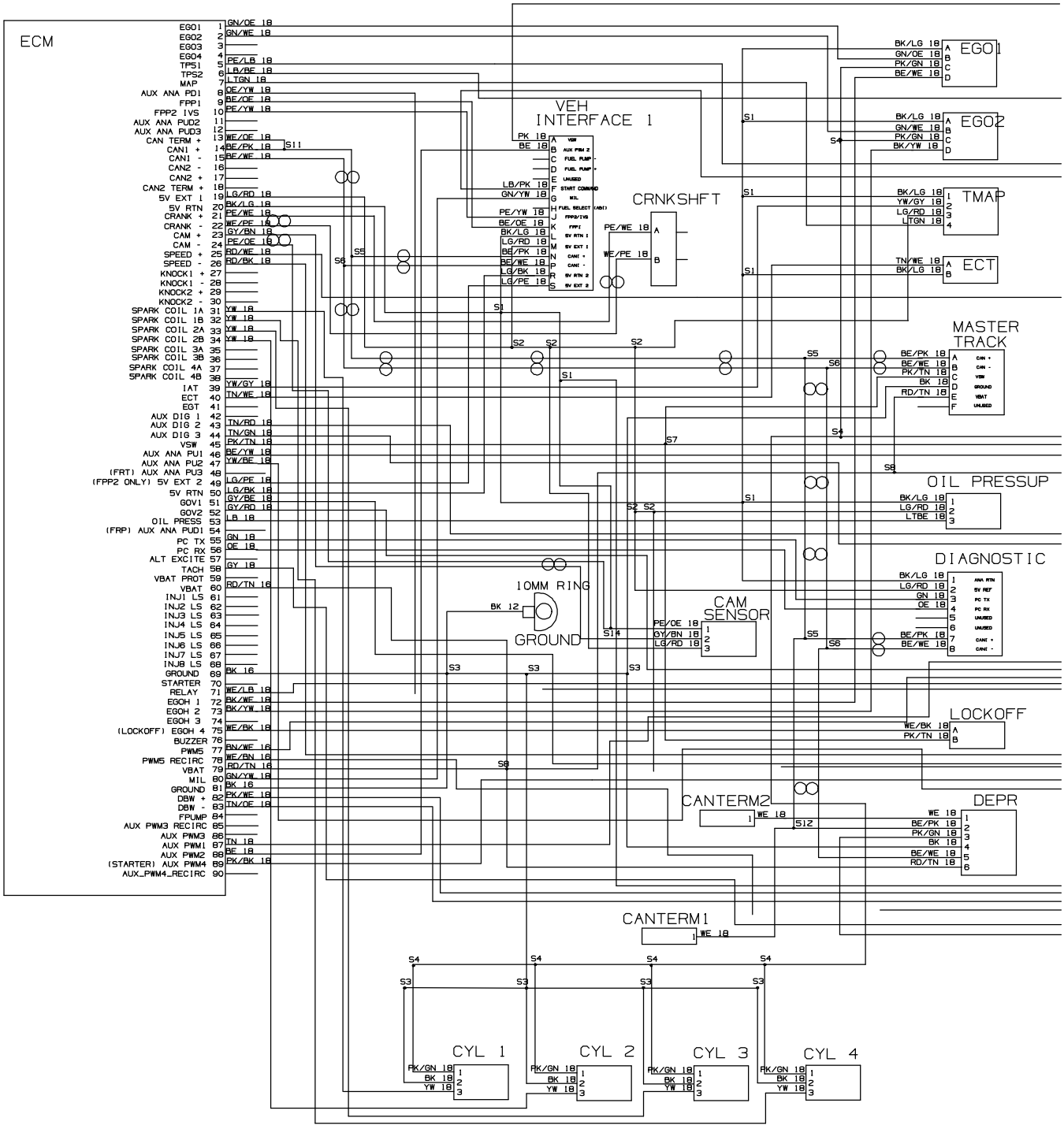
Fig. 88 – Electrical Schematic, Gas Engine Harness



1071653– 356303

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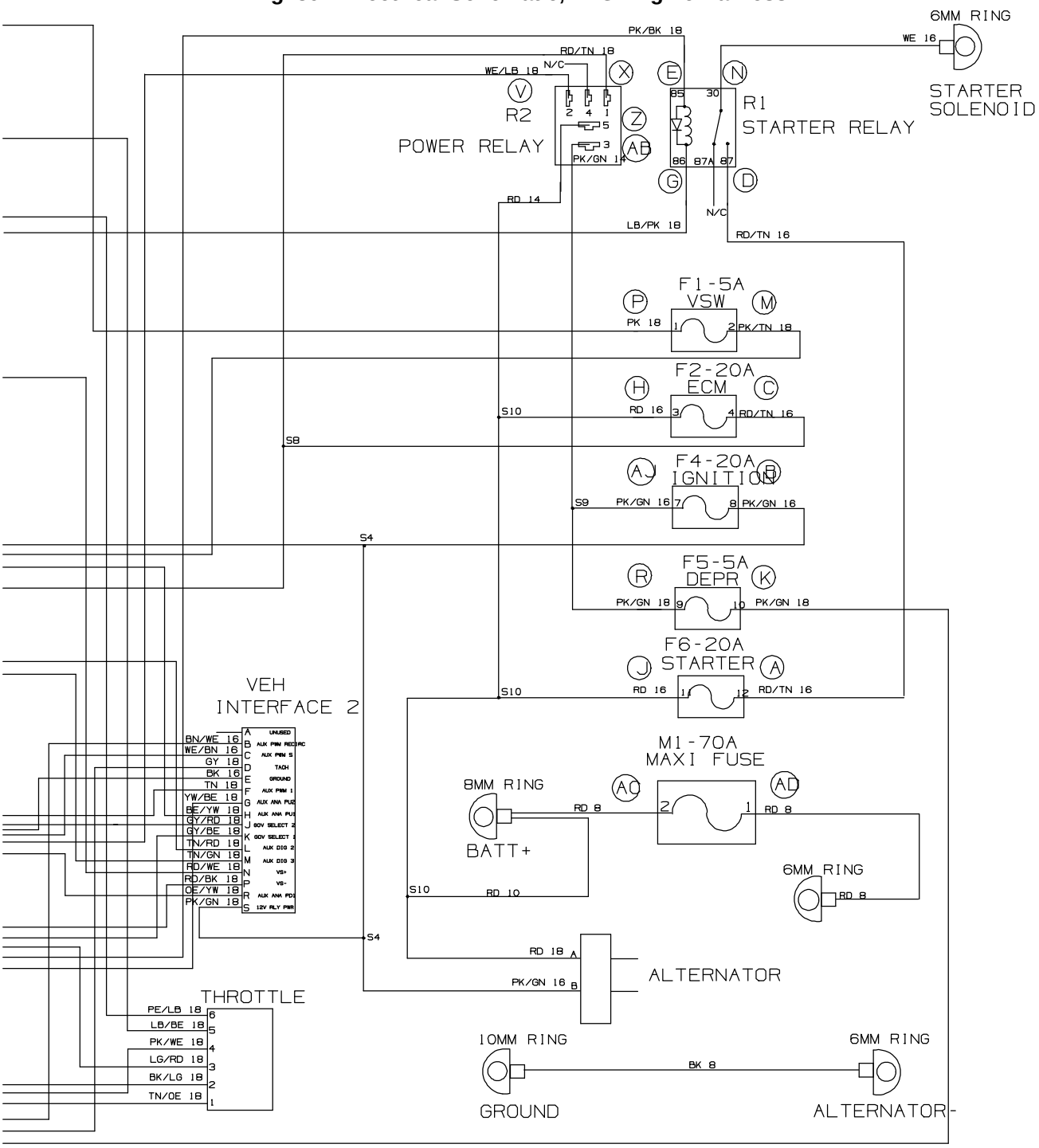
Fig. 89 – Electrical Schematic, LPG Engine Harness

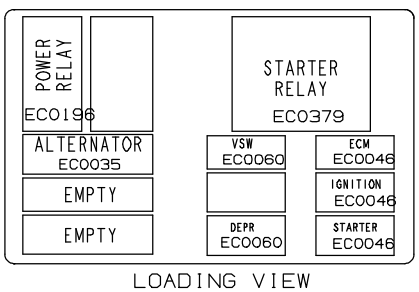


1071654– 356304

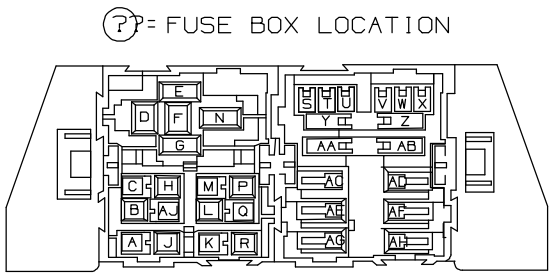
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Fig. 89 – Electrical Schematic, LPG Engine Harness





LOADING VIEW

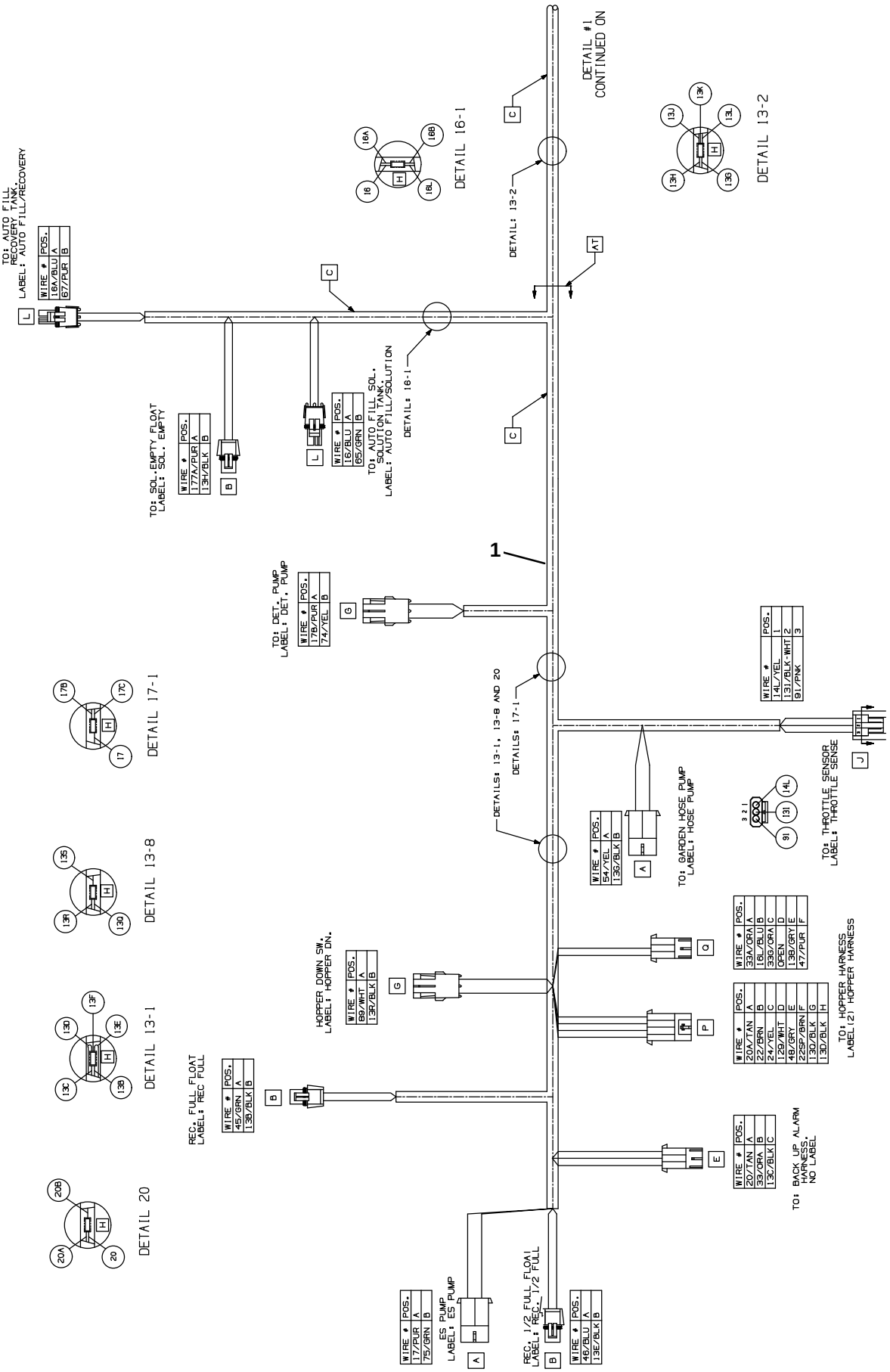


CB0186
WIRE INSERTION VIEW

1071654– 356304

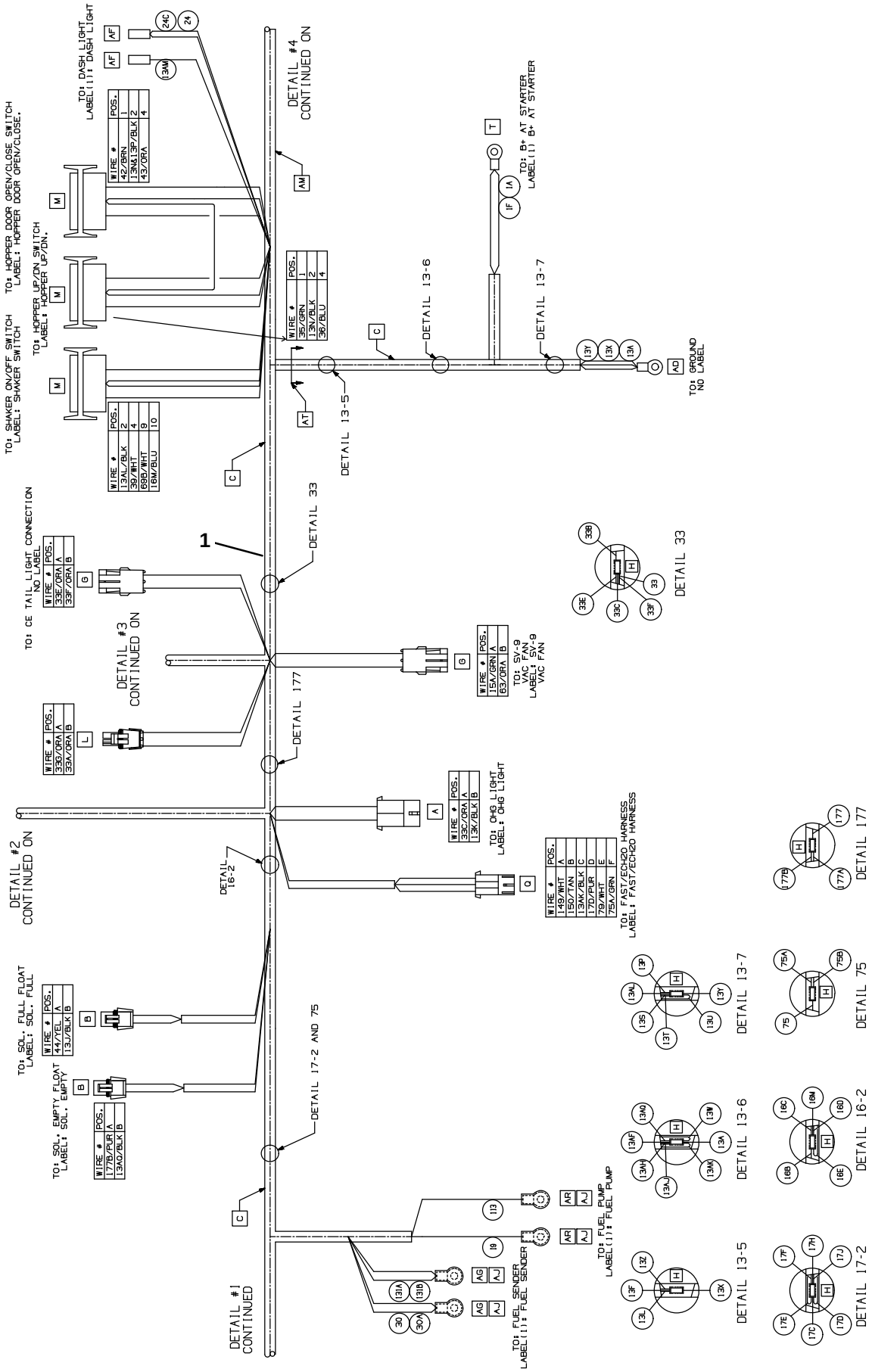
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Fig. 90 – Electrical Wire Harness Group, Main (S/N 008000–010000)



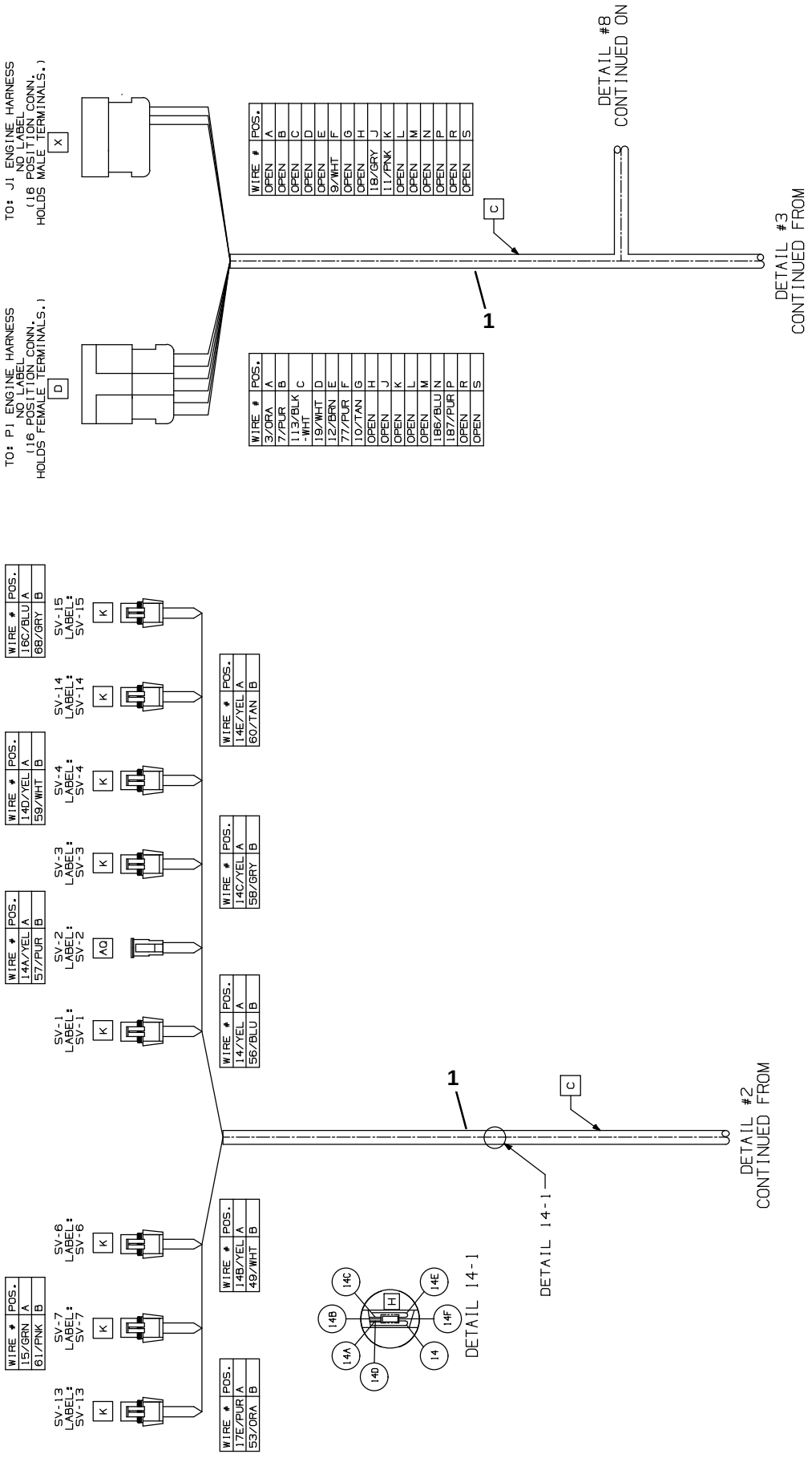
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Fig. 90 – Electrical Wire Harness Group, Main (S/N 008000–010000)



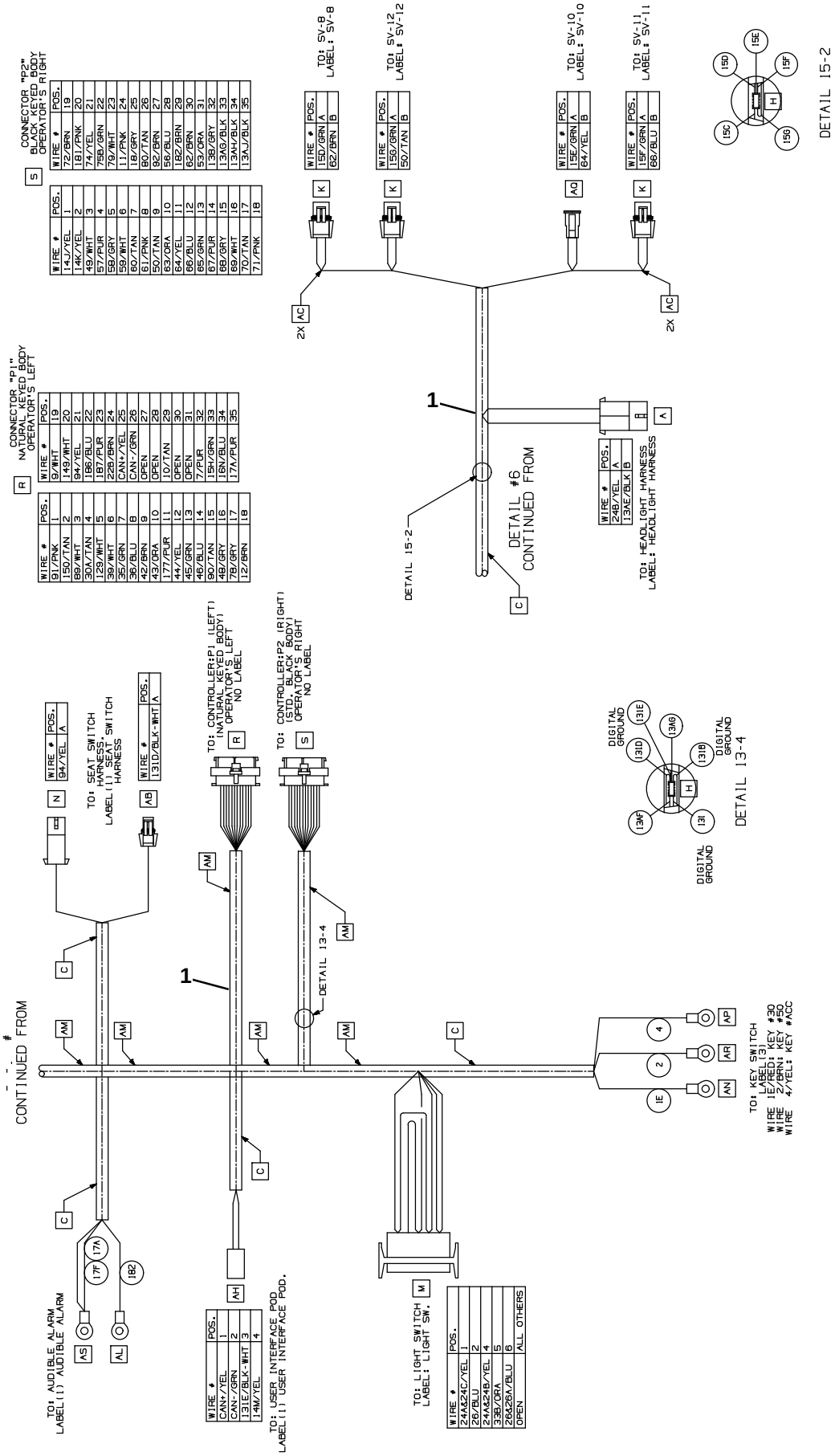
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Fig. 90 – Electrical Wire Harness Group, Main (S/N 008000–010000)



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Fig. 90 – Electrical Wire Harness Group, Main (S/N 008000–010000)



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Fig. 90 – Electrical Wire Harness Group, Main (S/N 008000–010000)

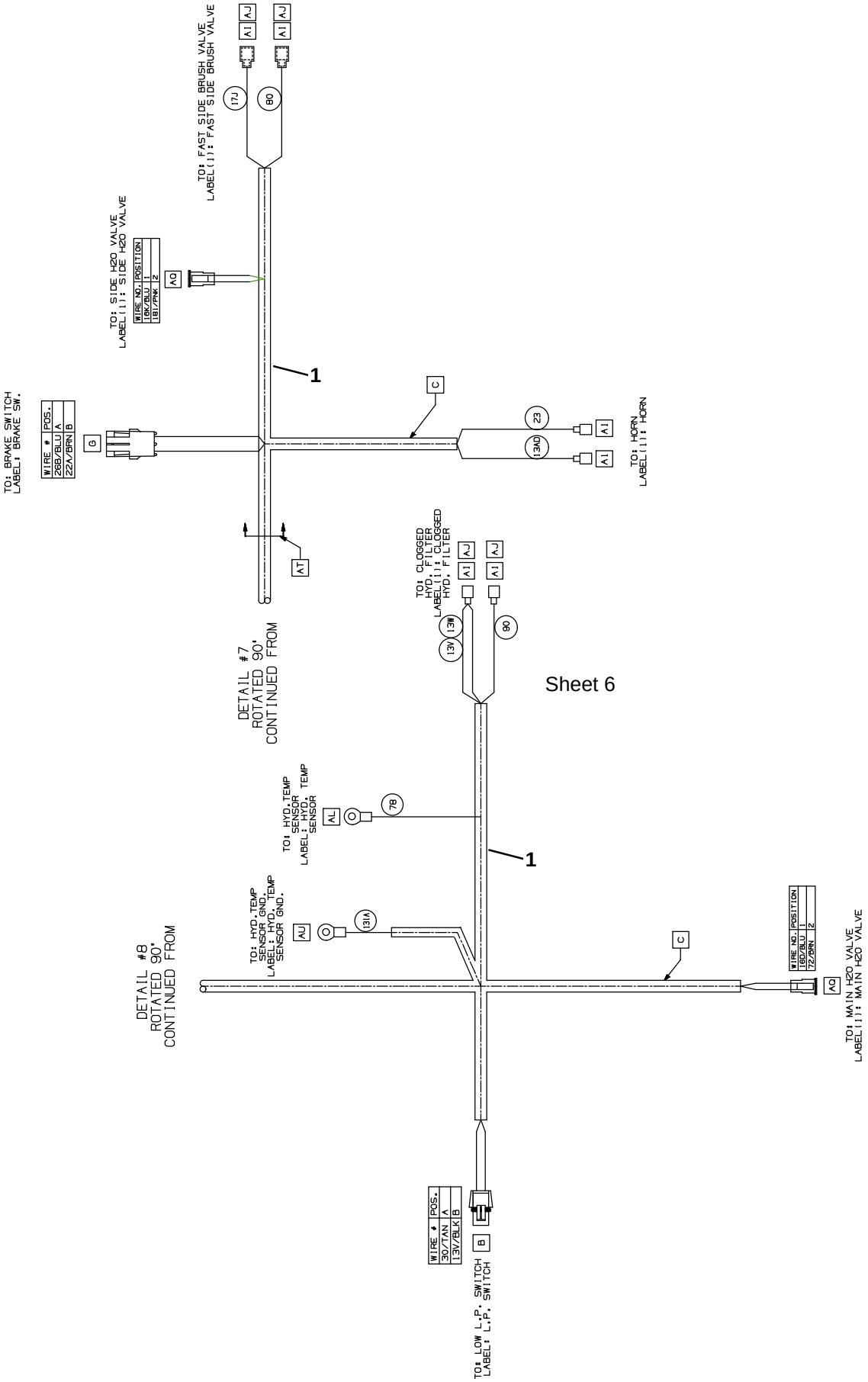
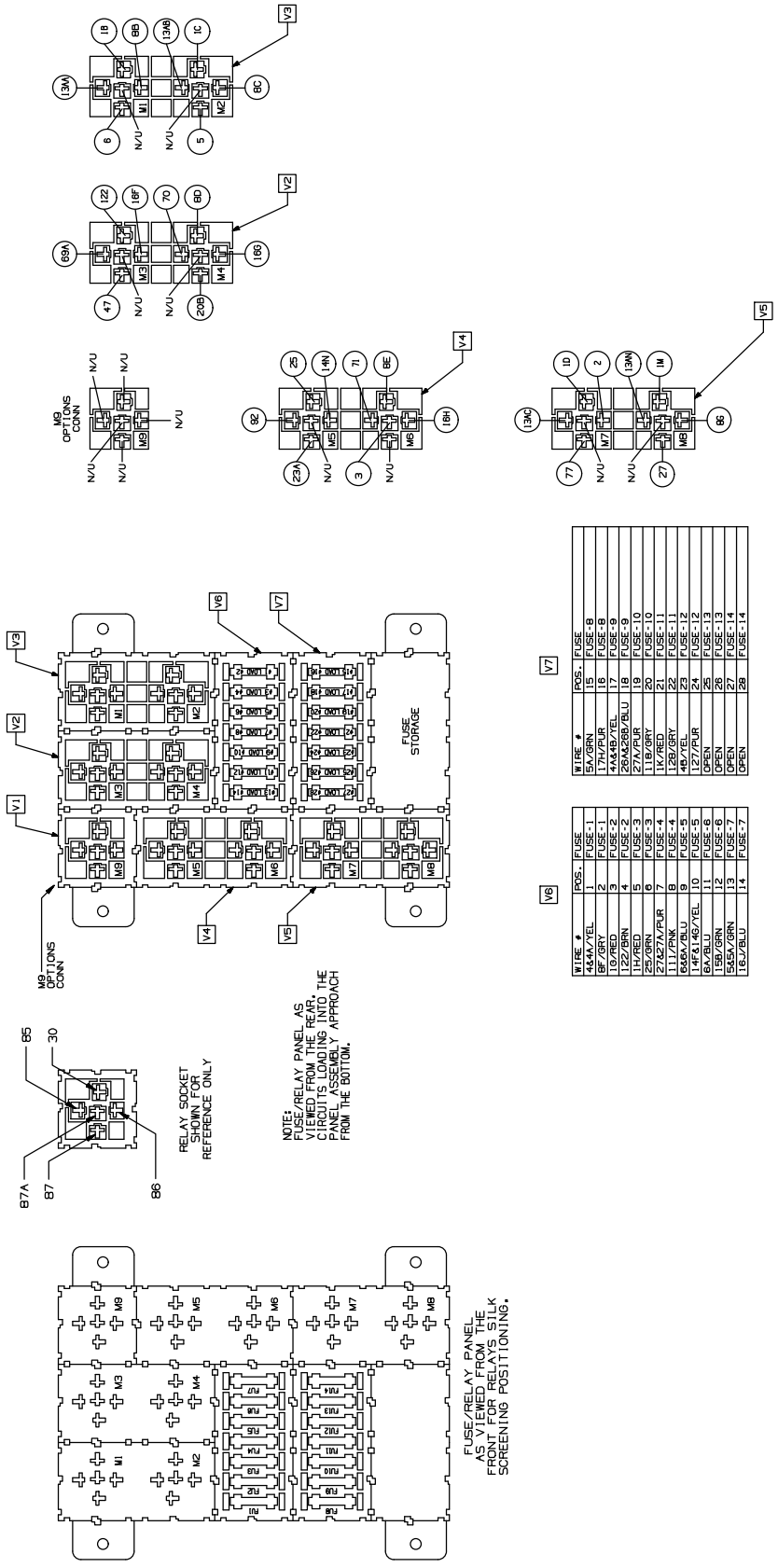


Fig. 90 – Electrical Wire Harness Group, Main (S/N 008000–010000)

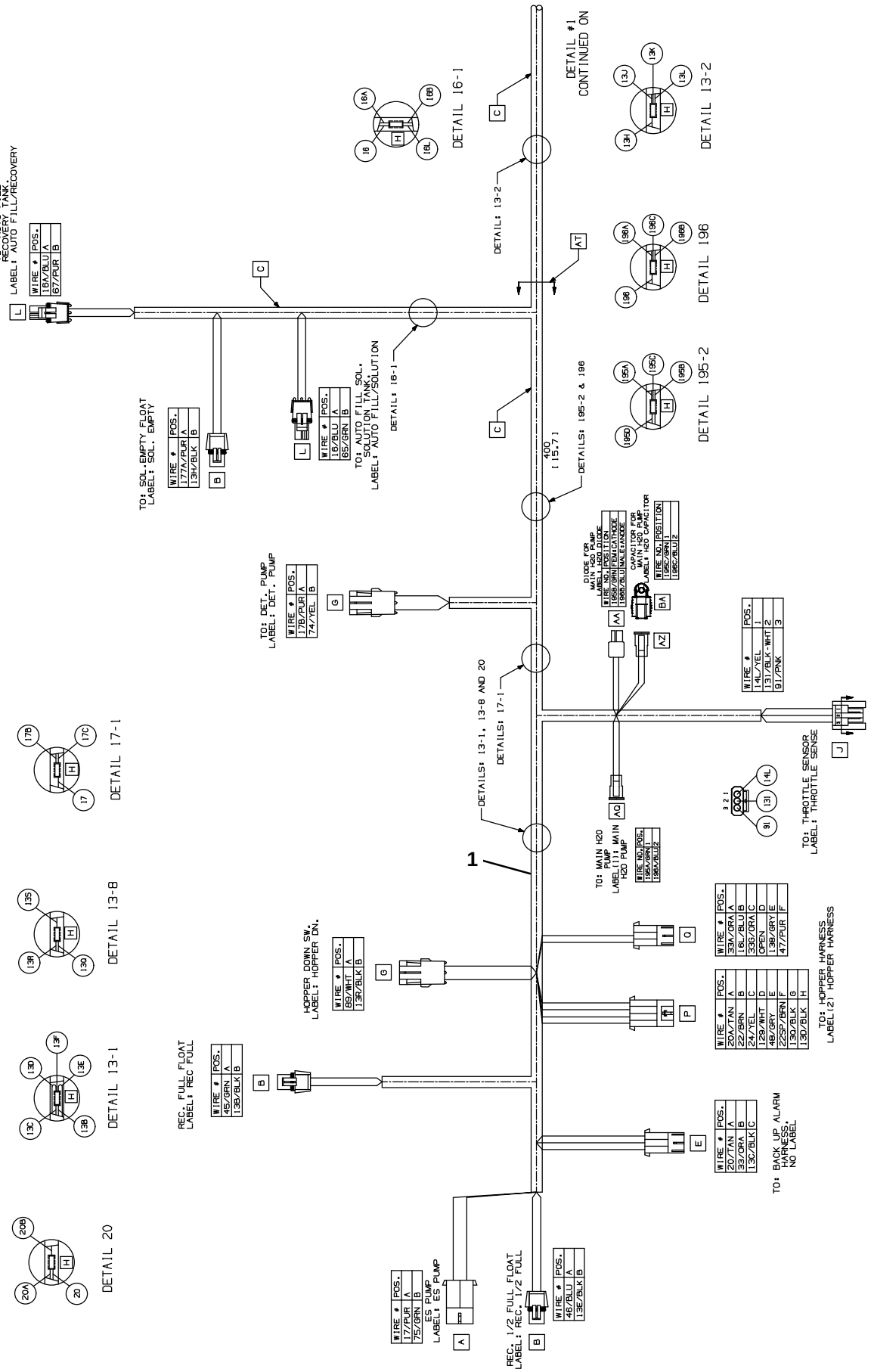


356678 – M20, M30

Ref.	Part No.	Serial Number	Description	Qty.
1	1075079	(008000–010000)	Harness, Main [M30/M20]	1

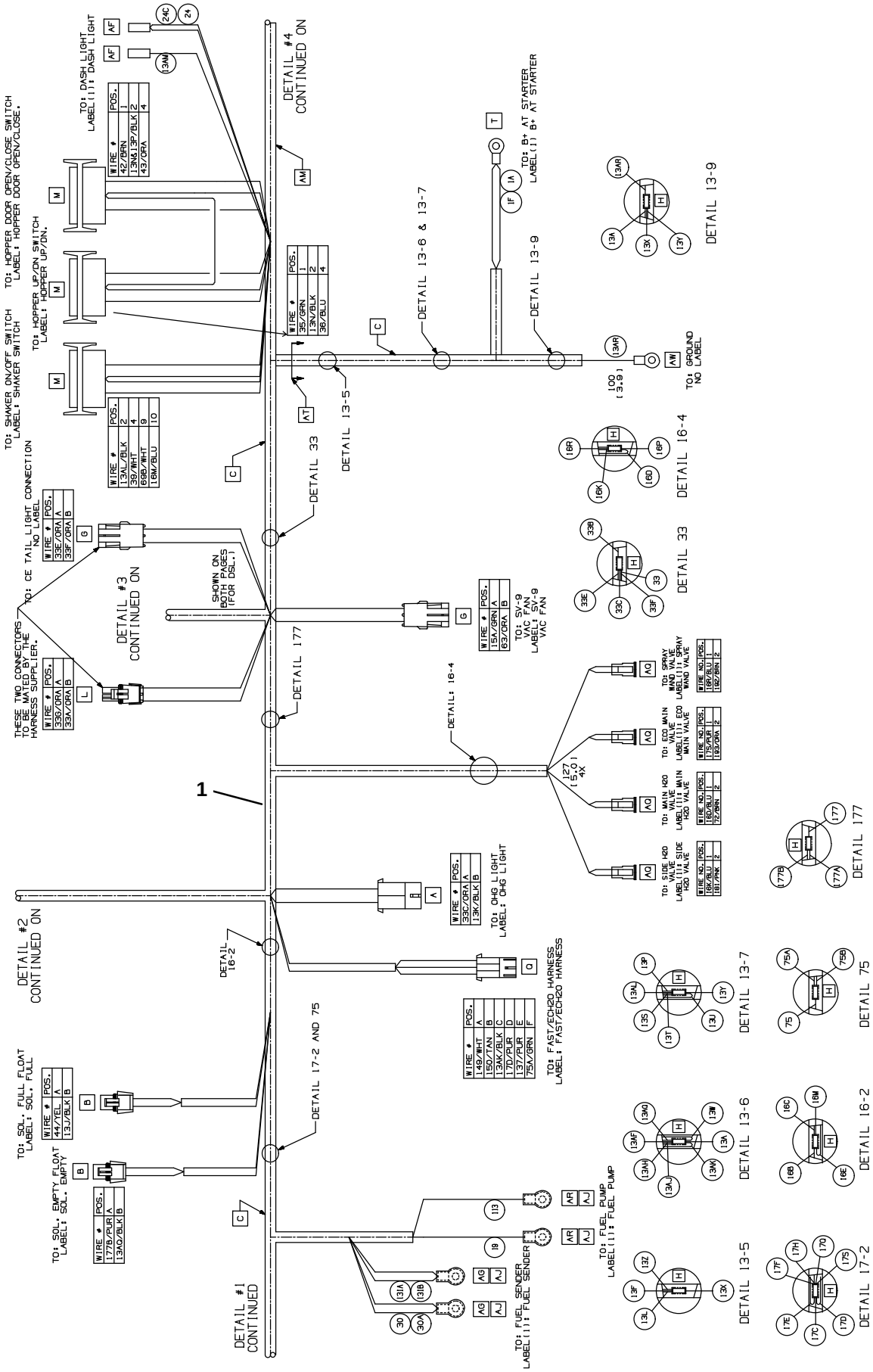
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Fig. 91 – Electrical Wire Harness Group, Main (S/N 010001–)



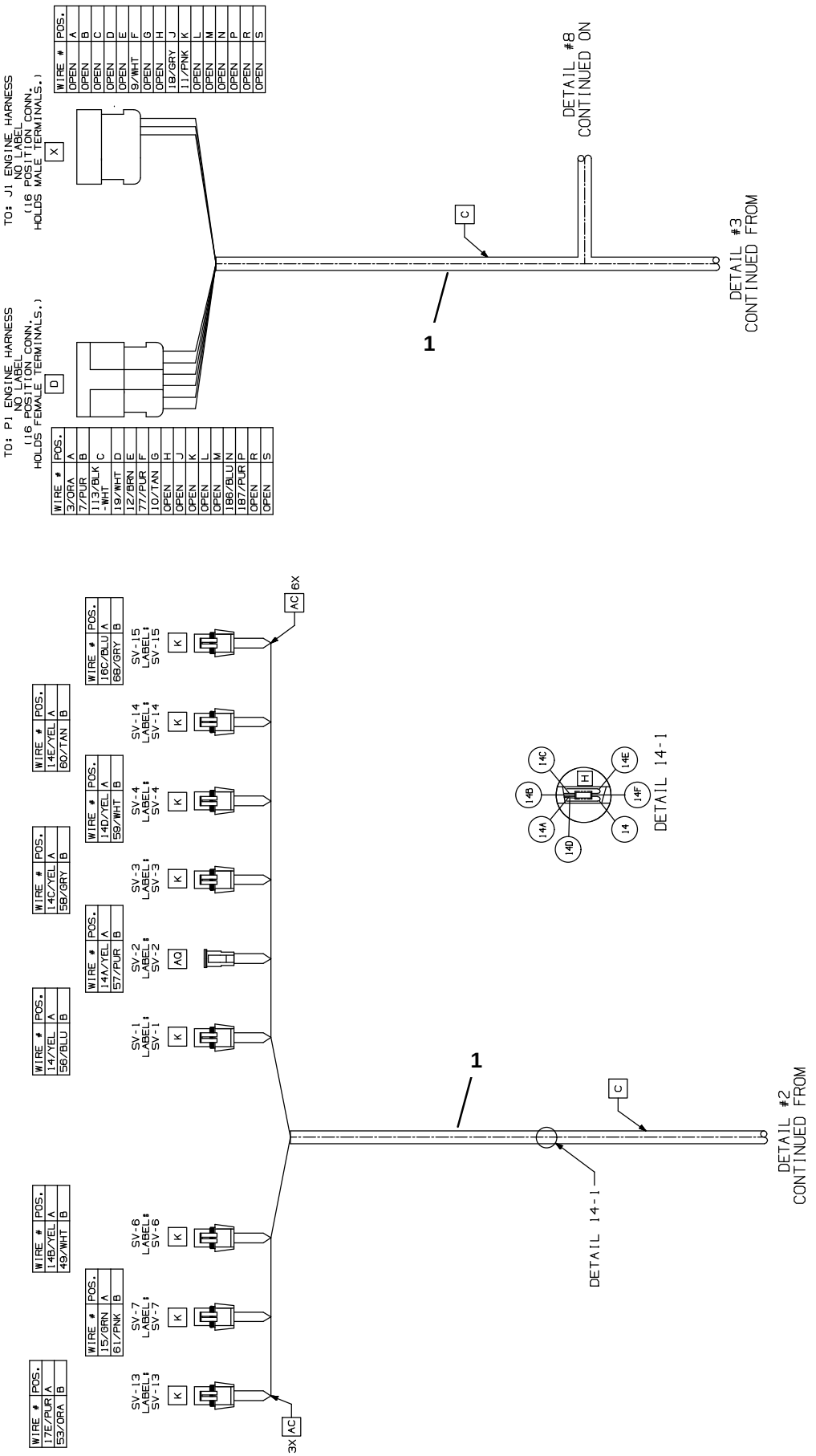
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Fig. 91 – Electrical Wire Harness Group, Main (S/N 010001–)



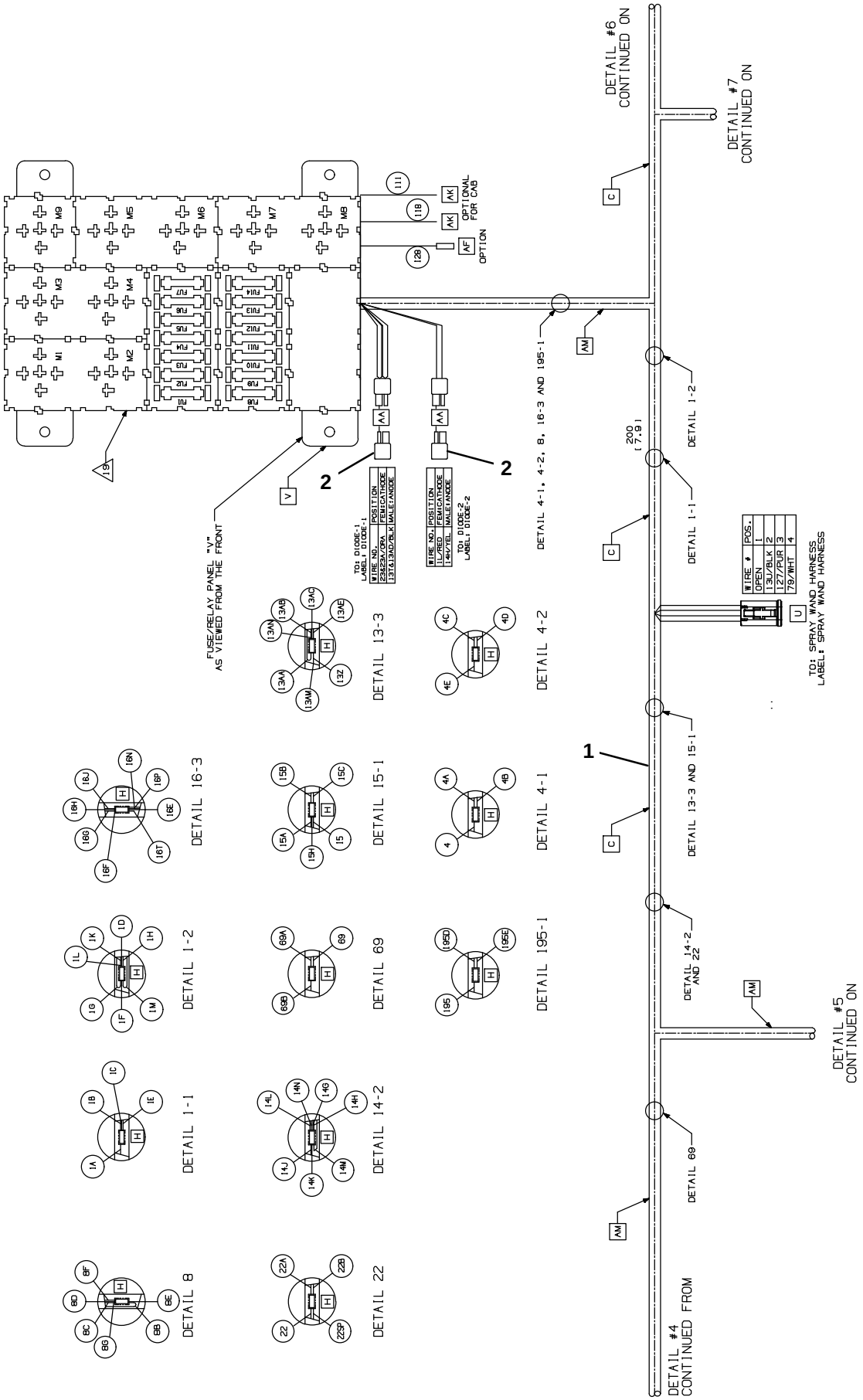
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Fig. 91 – Electrical Wire Harness Group, Main (S/N 010001–)



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Fig. 91 – Electrical Wire Harness Group, Main (S/N 010001–)



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Fig. 91 – Electrical Wire Harness Group, Main (S/N 010001–)

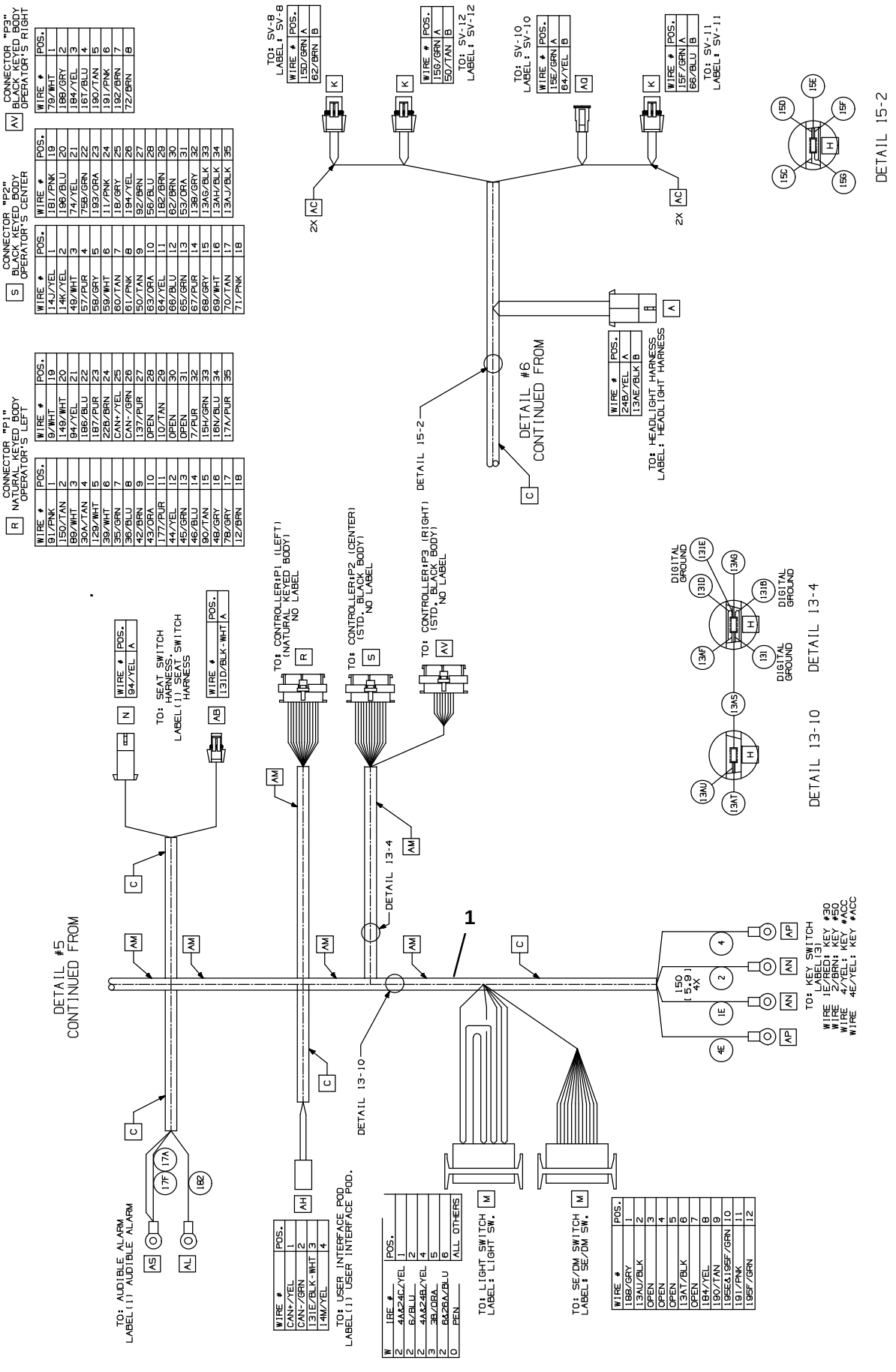
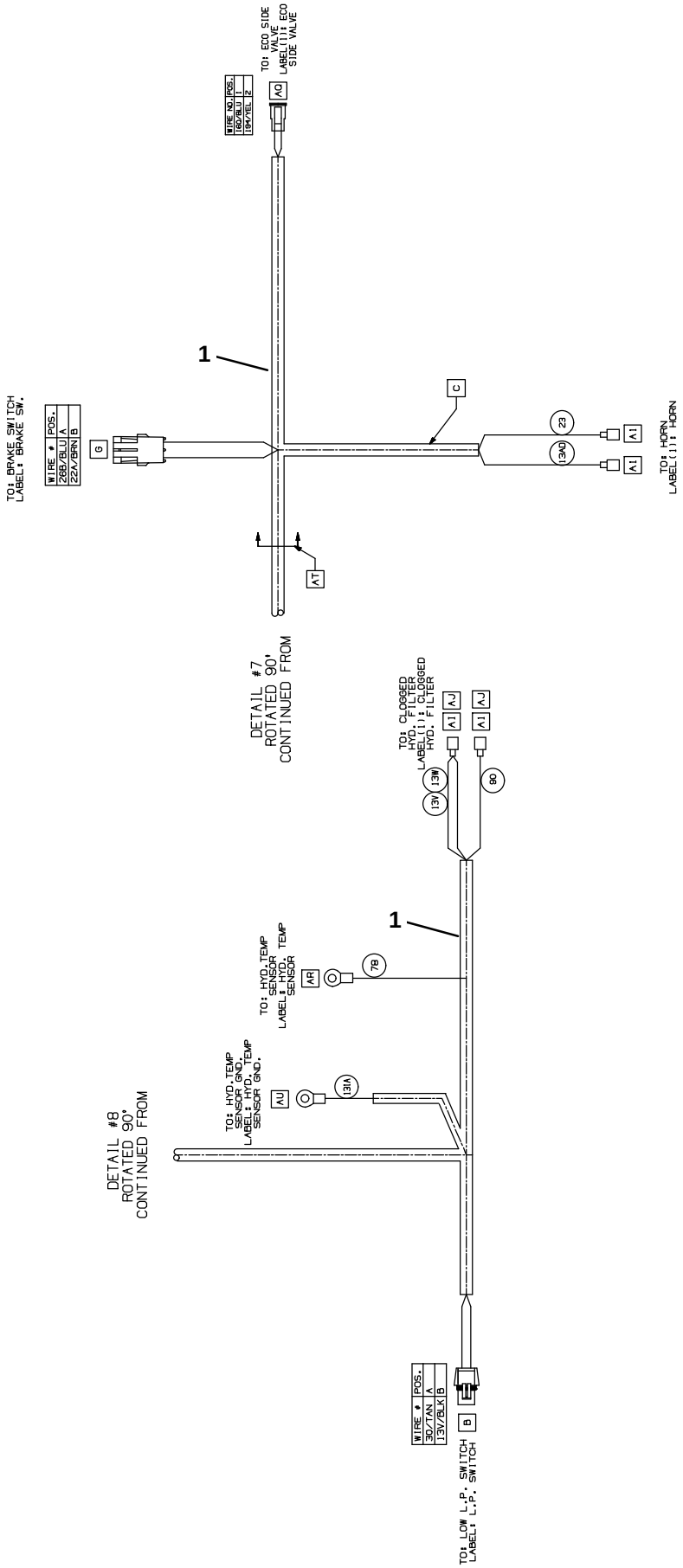
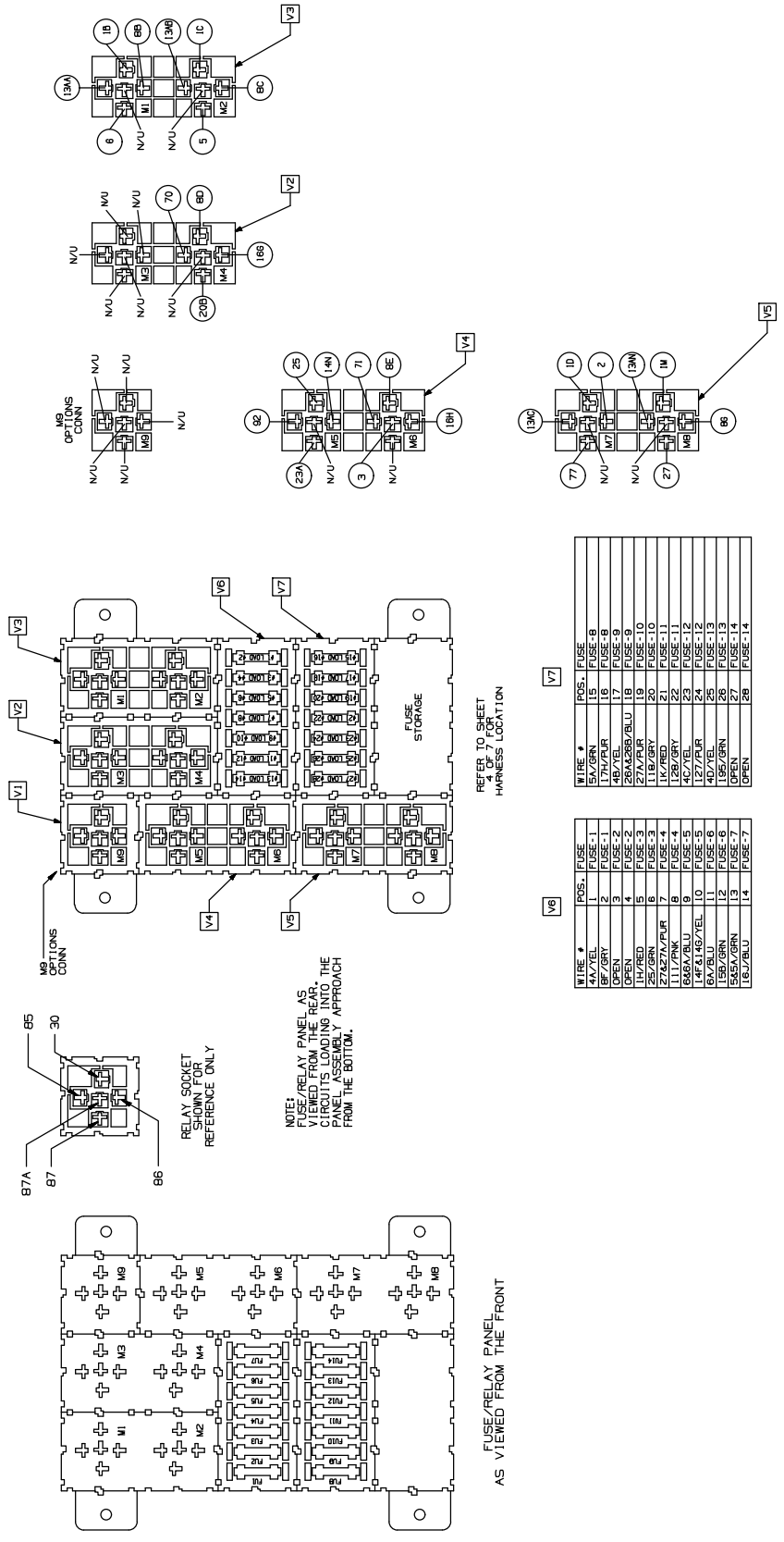


Fig. 91 – Electrical Wire Harness Group, Main (S/N 010001–)



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Fig. 91 – Electrical Wire Harness Group, Main (S/N 010001–)



V7 POS.	V7 FUSE	V7 WIRE #
15	FUSE-8	5X/GRN
16	FUSE-8	17H/PUR
17	FUSE-9	46A/LG
18	FUSE-9	28A/LBL/BLU
19	FUSE-10	27A/PUR
20	FUSE-10	118/GRY
21	FUSE-11	1K/RED
22	FUSE-11	128/GRY
23	FUSE-12	4C/YEL
24	FUSE-12	127/PUR
25	FUSE-13	4D/YEL
26	FUSE-13	195/GRN
27	FUSE-14	OPEN
28	FUSE-14	OPEN

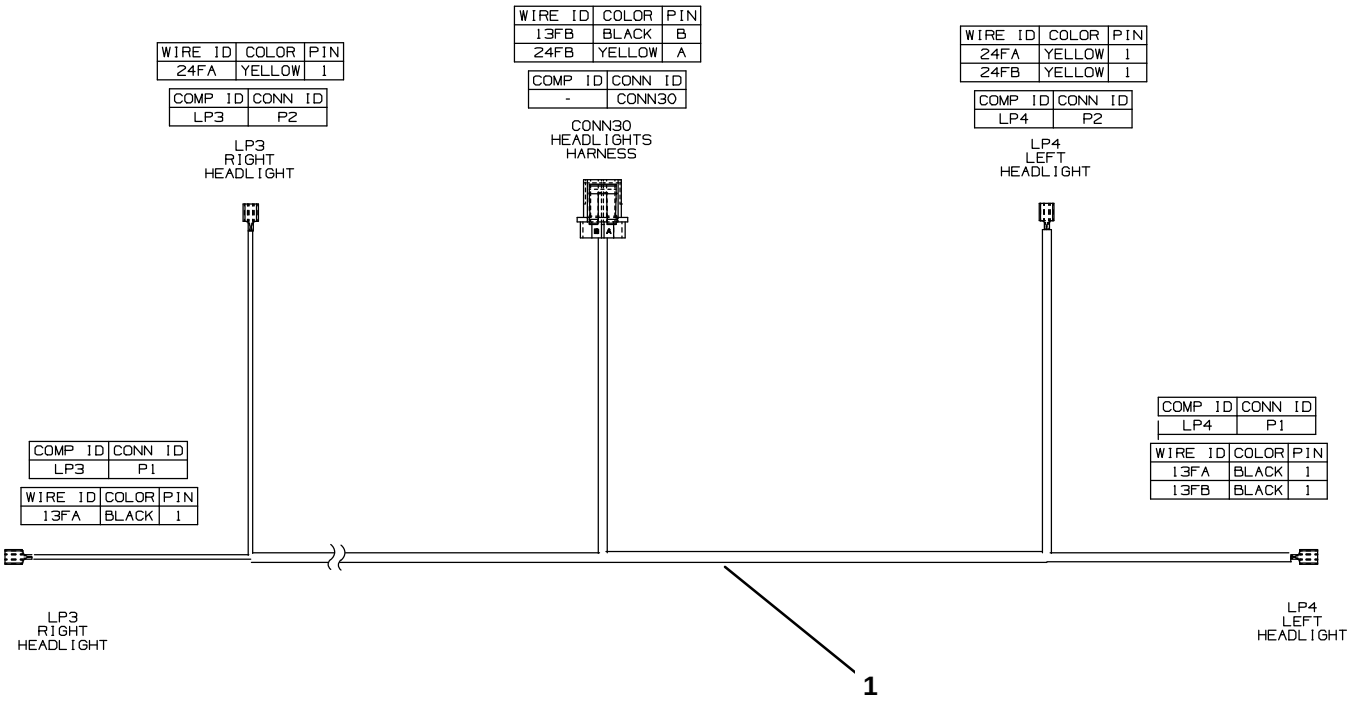
V6 POS.	V6 FUSE	V6 WIRE #
1	FUSE-1	4A/YEL
2	FUSE-1	8F/GRY
3	FUSE-2	OPEN
4	FUSE-2	1H/RED
5	FUSE-3	25/GRN
6	FUSE-3	27A27A/PUR
7	FUSE-4	111/PNK
8	FUSE-4	8A6A/BLU
9	FUSE-5	14F&114G/YEL
10	FUSE-5	6A/BLU
11	FUSE-6	15B/GRN
12	FUSE-6	56A/GRN
13	FUSE-7	18J/BLU
14	FUSE-7	

357108 – M20, M30

Ref.	Part No.	Serial Number	Description	Qty.
1	4042973	(014001–016999)	Harness, Main [M30/M20] (Repl By 1077285)	1
1	4043053	(017000–)	Harness, Main [M30/M20]	1
2	4040238	(014001–)	Diode, Ele, Plug	2

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Fig. 92 – Electrical Wire Harness Group, Headlight

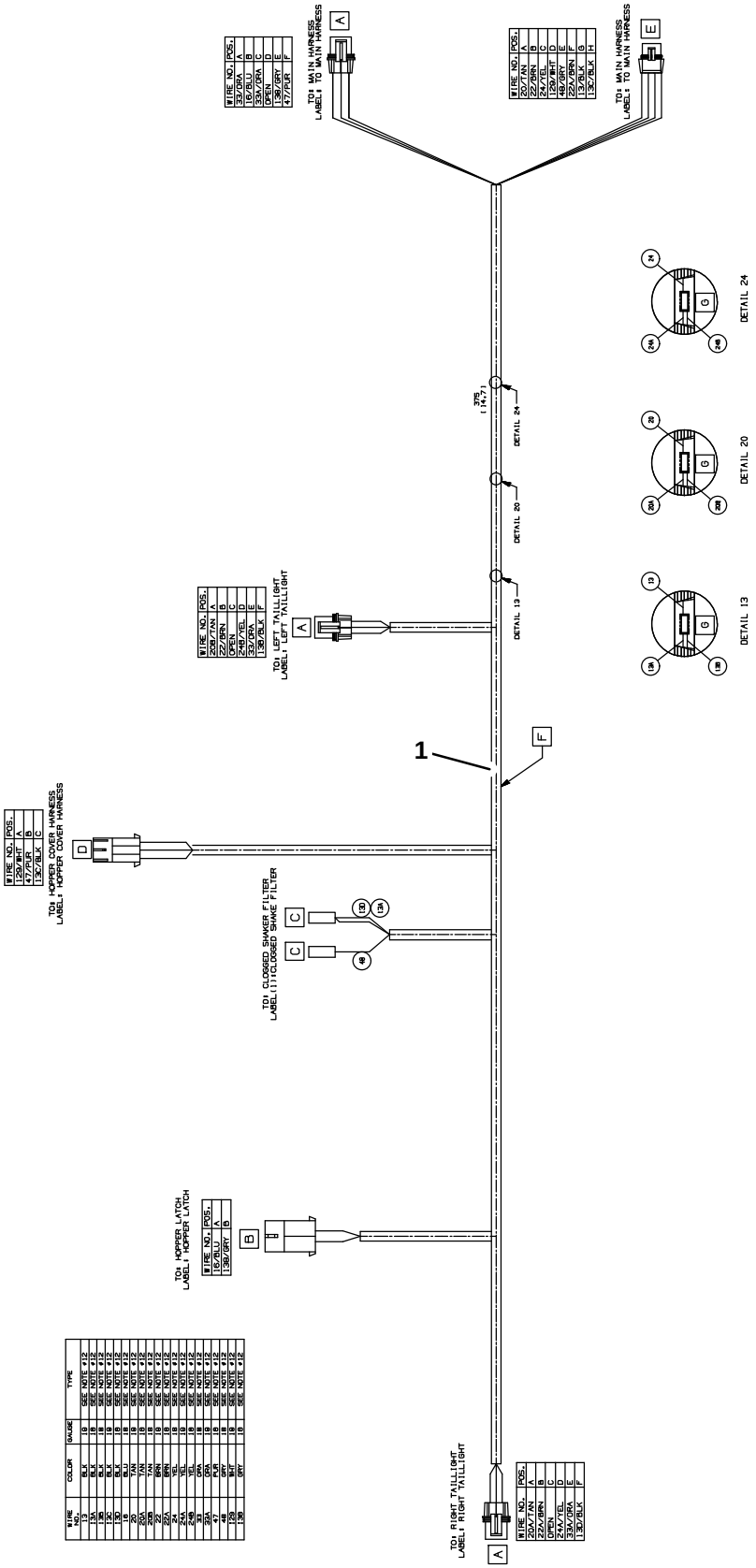


354716

Ref.	Part No.	Serial Number	Description	Qty.
1	1024141	(008000–)	Harness, Headlight [M20 And T20]	1

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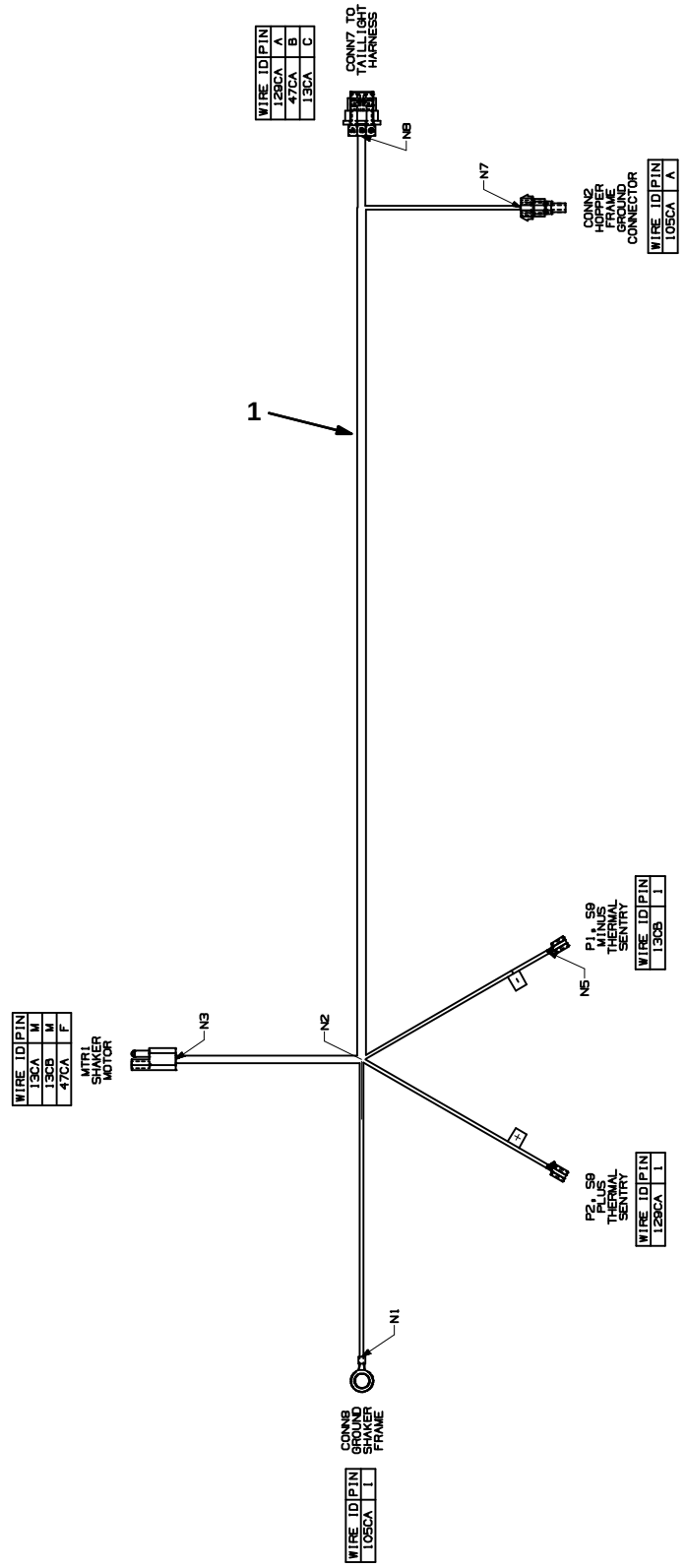
Fig. 93 – Electrical Wire Harness Group, Hopper



356253 – M20, M30

Ref.	Part No.	Serial Number	Description	Qty.
1	1075080	(008000–)	Harness, Hppr, Ele [M20/M30]	1

Fig. 94 – Electrical Wire Harness Group, Hopper Cover

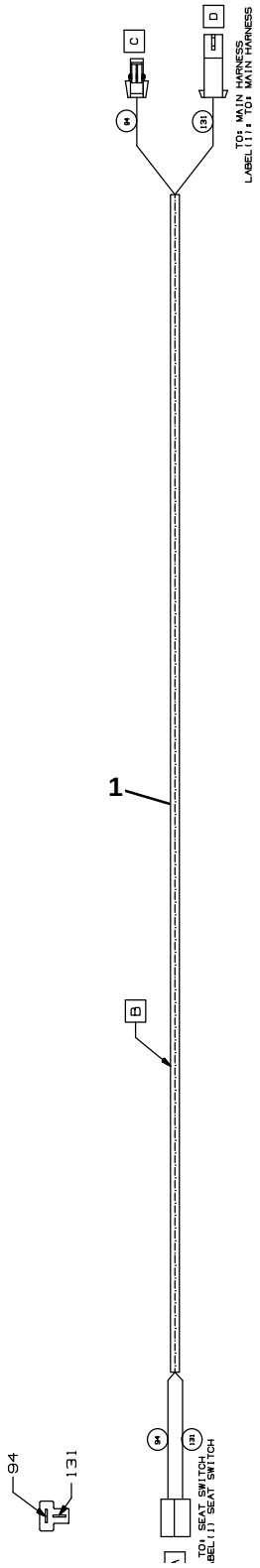


354389–354459

Ref.	Part No.	Serial Number	Description	Qty.
1	1064370	(008000–)	Harness, Hppr, Cover [M20]	1

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Fig. 95 – Electrical Wire Harness Group, Seat Switch

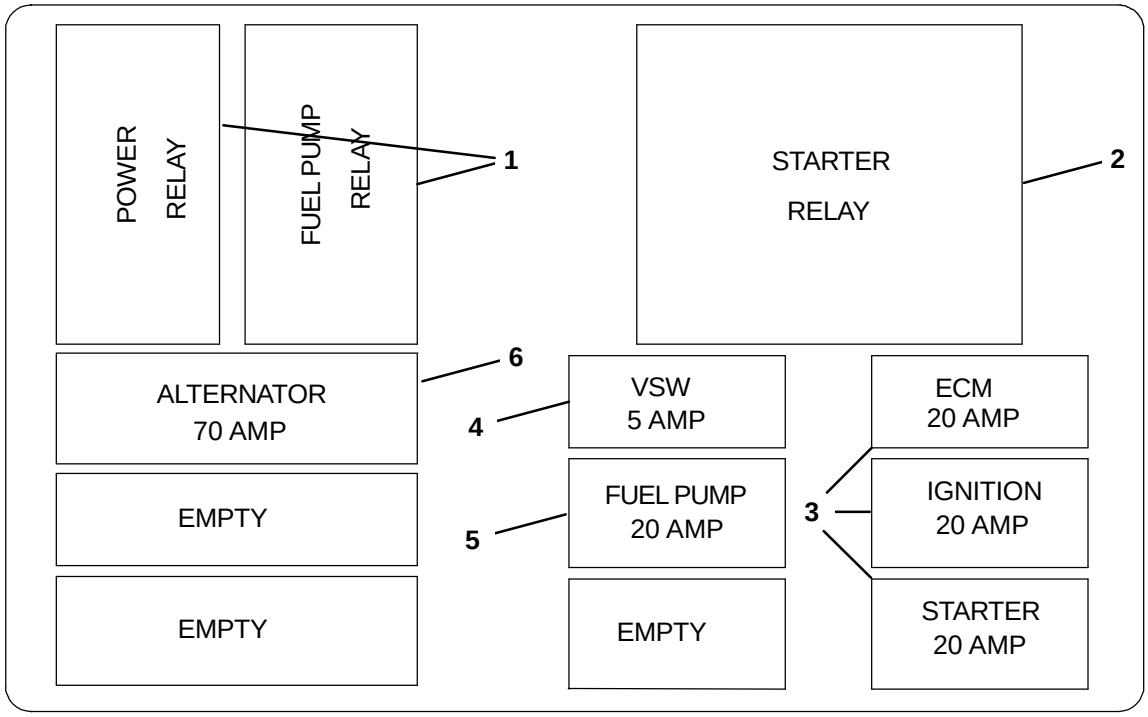


356994

Ref.	Part No.	Serial Number	Description	Qty.
1	4179302	(008000–012999)	Harness, Ele [Ce, Seat] (Replaced By 1268193)	1
1	4209072	(013000–)	Harness, Ele [Ce, Seat]	1

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Fig. 96 – Electrical Wire Harness Group, Gasoline/LPG Engine

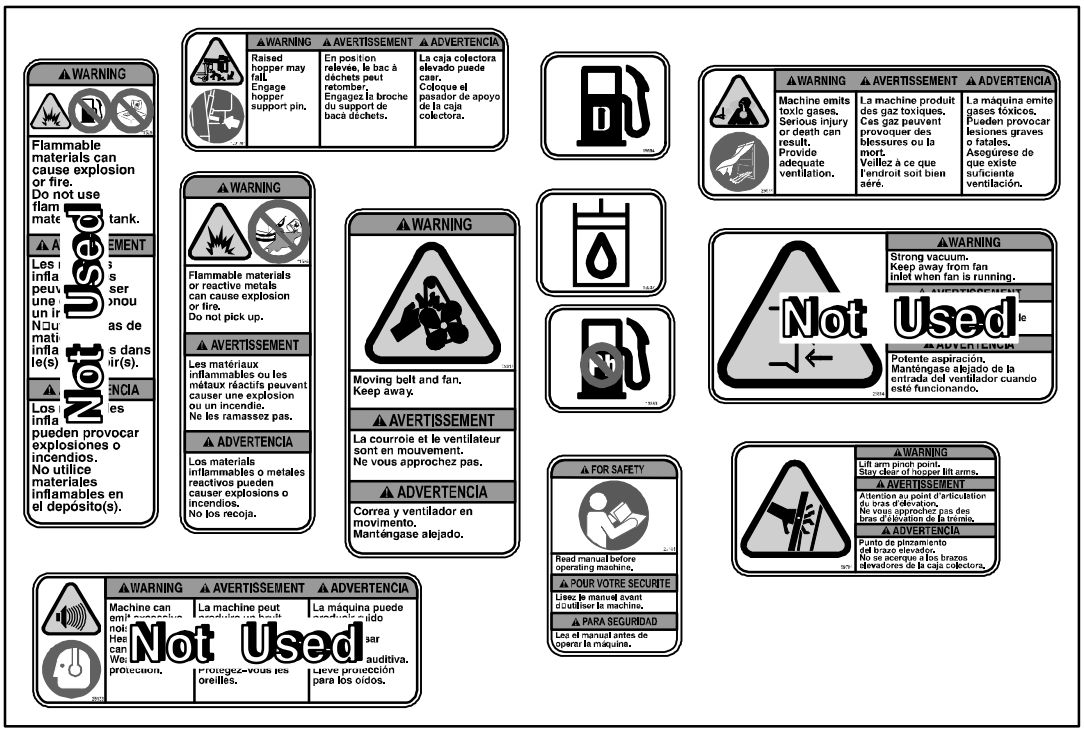


356696 – G/LP

	Ref.	Part No.	Serial Number		Description	Qty.
▽		1071653	(008000–011000	)	Harness, Wire, Eng, Gas [Mit, 2.0l]	1
▲	1	394916	(008000–	)	Relay, 12vdc, 20a, Spdt	2
▲	2	57804	(008000–	)	Relay, 12vdc, 40a, Spdt	1
▲	3	372237	(008000–	)	Fuse, 20 Amp, [Min–20]	3
▲	4	372235	(008000–	)	Fuse, 5 Amp, [Min–5]	1
▲	5	384999	(008000–	)	Fuse, 10 Amp	1
▽		1071654	(008000–011000	)	Harness, Wire, Eng, Lpg [Mit, 2.Ol]	1
▲	1	394916	(008000–	)	Relay, 12vdc, 20a, Spdt	2
▲	2	57804	(008000–	)	Relay, 12vdc, 40a, Spdt	1
▲	3	372237	(008000–	)	Fuse, 20 Amp, [Min–20]	3
▲	4	372235	(008000–	)	Fuse, 5 Amp, [Min–5]	1
▲	5	384999	(008000–	)	Fuse, 10 Amp	1
▲	6	1076351	(008000–	)	Fuse, Blade, 070a, 32vdc [Maxi]	1
		1268233	(011001–	)	Harness, Engine, Kubota9	1

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Fig. 97 – Label Group









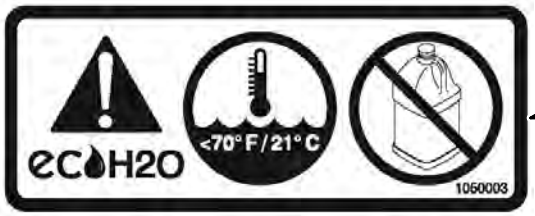
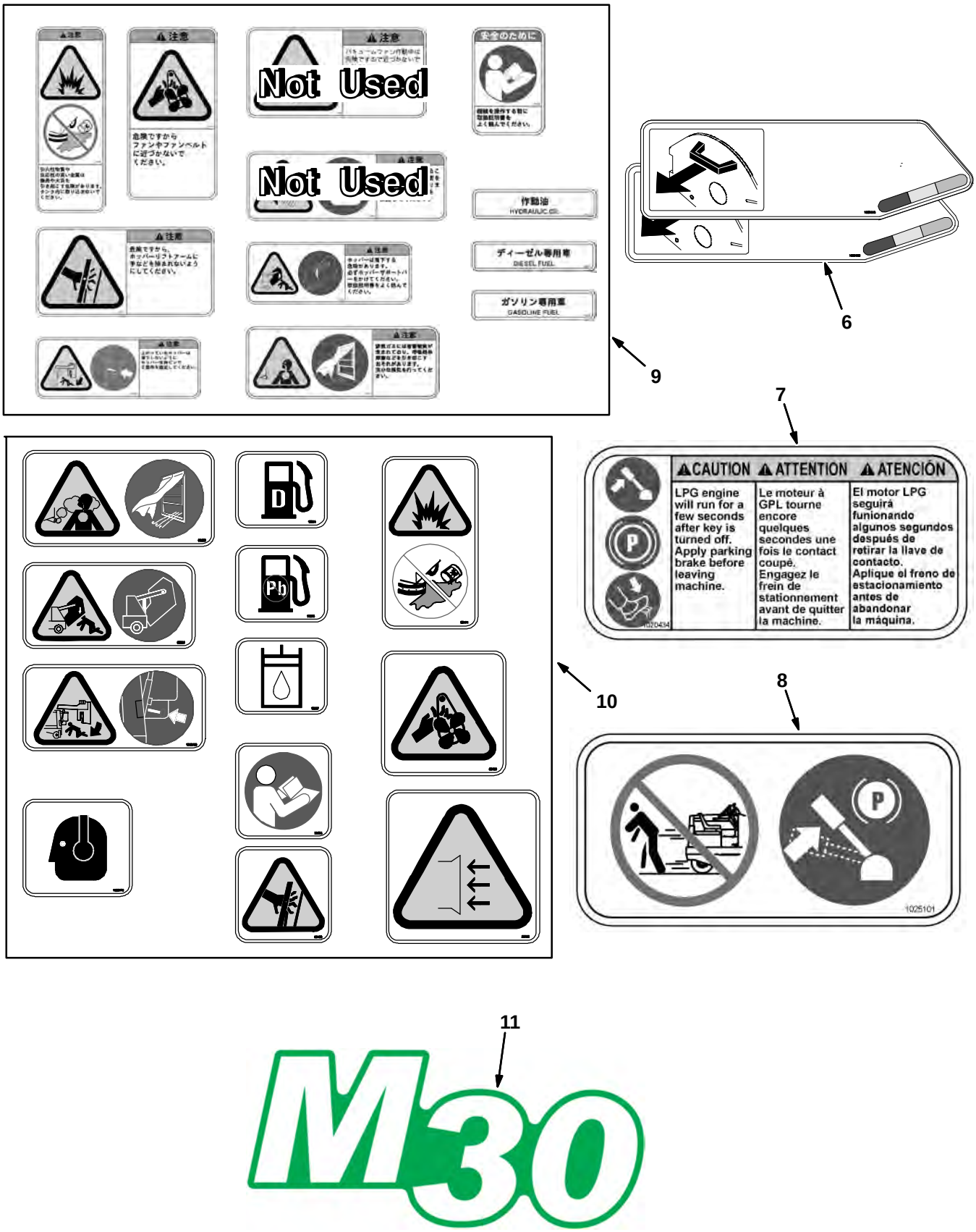






Fig. 97 – Label Group



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Fig. 97 – Label Group

Ref.	Part No.	Serial Number		Description	Qty.
1	77221	(008000–	)	Label Set, Info/Hzrd, Swpr / Scrbr	1
2	1017141	(008000–	)	Label Set, Hi Temp	1
3	1065343	(008000–	)	Label, Logo, 05.75L 2Color [ES]	3
4	1065342	(008000–	)	Label, Logo, 07.95L 2Color [FaST]	3
5	1050003	(008000–	)	Label [User, Attention, ec–H2O]	2
6	1031017	(008000–	)	Label Set, Brush Indicator & Removal	1
7	1020434	(008000–	)	Label, Caution [Apply Parking Brake]	1
8	1025101	(008000–	)	Label, Caution [Apply Parking Brake] (Europe & Japan Only)	1
9	1032450	(008000–	)	Label Set, Info/Hzrd, Swpr / Scrbr, Tj (Japan Only)	1
10	1032418	(008000–	)	Label Set, Info/Hzrd, Swpr / Scrbr (Europe Only)	1
11	1064663	(008000–	)	Label, Model, 2Color [M30]	1
12	1062813	(008000–	)	Label, Logo, 12.3L 4Color [ec–H2O]	1
13	1064440	(008000–	)	Label, Logo, 16.9L 4Color [ec–H2O]	1

SECTION 2

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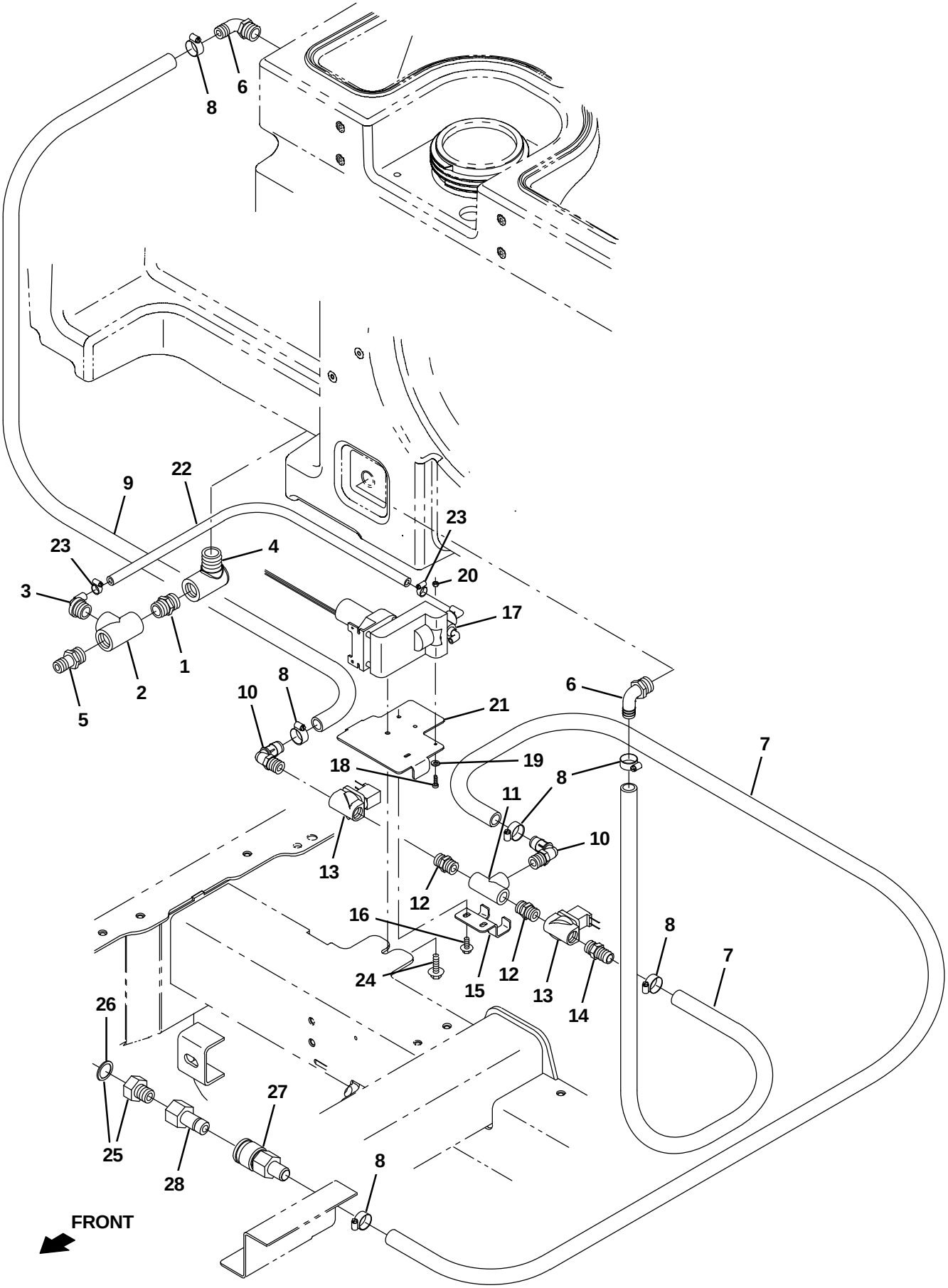
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Fig. 1 – ES Pump Group



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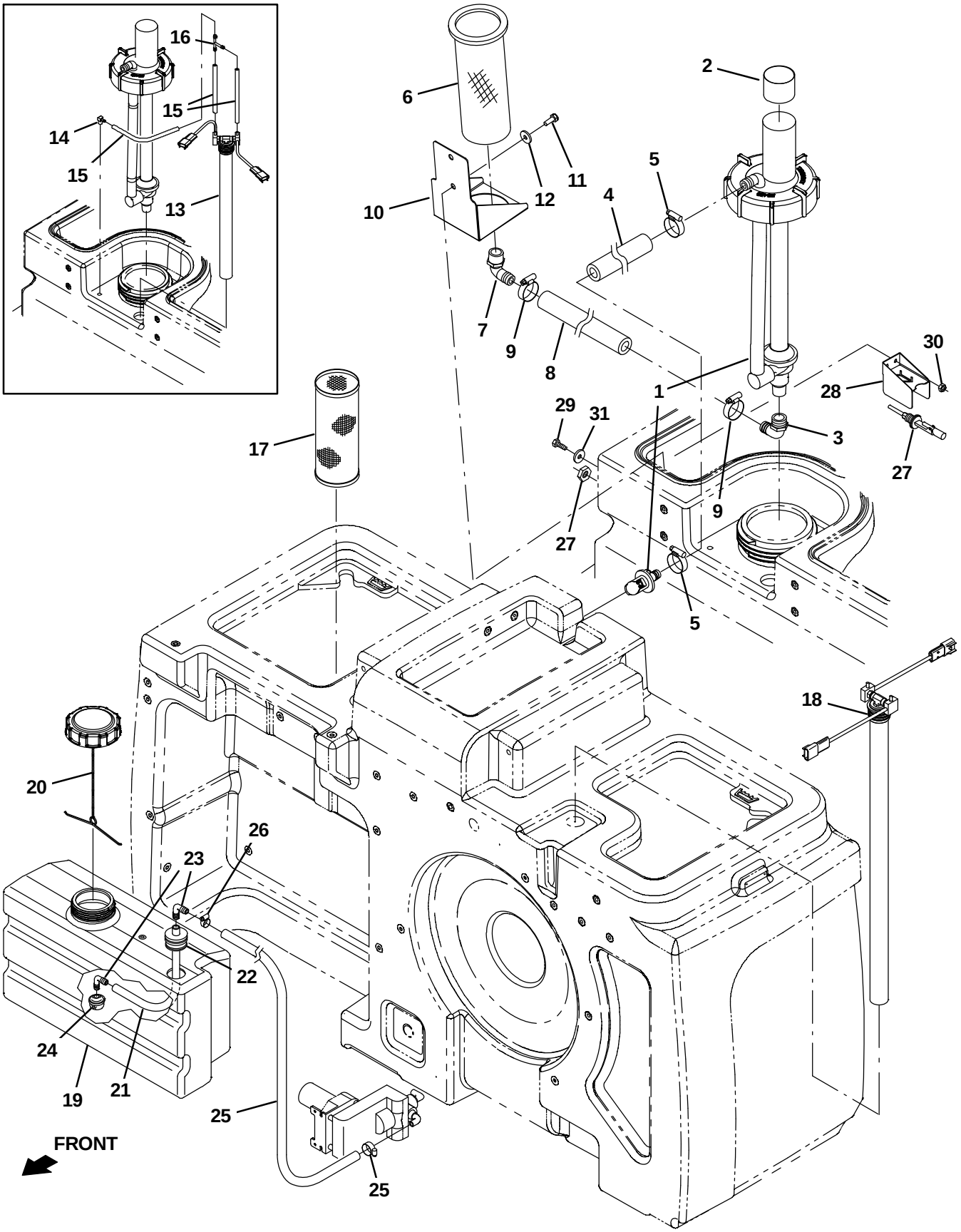
354652 – M30

Fig. 1 – ES Pump Group

	Ref.	Part No.	Serial Number		Description	Qty.
	1	24544	(008000–	)	Fitting, Plstc, Str, Pm12/Pm12 1.60l	1
	2	42133A	(008000–	)	Fitting, Plstc, Tee, Pf12/Pf12/Pf12	1
	3	79484	(008000–	)	Fitting, Plstc, E90, Bm06/Pm12, Nyl	1
	4	69785	(008000–	)	Fitting, Plstc, E90, Pf12/Pm12	1
	5	365095	(008000–	)	Fitting, Plstc, Str, Bm10/Pm12	1
	6	14877	(008000–	)	Fitting, Plstc, E90, Bm12/Pm12	2
	7	1006410	(008000–	)	Hose, Afmkt, Pvc, Brd, 0.75id, 03ft, Clr	2
	8	63810	(008000–	)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	6
	9	1015045	(008000–	)	Hose, Afmkt, Pvc, Brd, 0.75id, 08ft, Clr	1
	10	63244–2	(008000–	)	Fitting, Plstc, E90, Bm12/Pm08	2
	11	79497	(008000–	)	Fitting, Plstc, Tee, Pf08/Pf08/Pf08	1
	12	86508	(008000–	)	Fitting, Plstc, Str, Pm08/Pm08	2
	13	73433	(008000–	)	Valve, Water, Solenoid, 12vdc Pf08/Pf08	2
	14	78398	(008000–	)	Fitting, Plstc, Str, Bm12/Pm08, Nyl	1
	15	1016837	(008000–	)	Bracket, Mtg, Valve	1
	16	222158	(008000–	)	Screw, Hex, M6 X 1.00 X 10, Fmg	2
	17	73260	(008000–	)	Pump, Detgt, 14vdc, 150ml/Min 20psi	1
	18	24265	(008000–	)	Screw, Pan, Phl, M4 X 0.70 X 16, Ss	2
	19	01683	(008000–	)	Washer, Flat, 10, Ss	2
	20	33932	(008000–	)	Nut, Hex, Lock, M4 X 0.70, Nl, Ss	2
	21	1033792	(008000–	)	Plate, Hsng [FaST]	1
	22	1006400	(008000–	)	Hose, Afmkt, Pvc, Clr, 0.38id, 03ft	1
	23	43844	(008000–	)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	2
	24	76099	(008000–	)	Screw, Hex, M8 X 1.25 X 25, Fmg	1
▽	25	375322	(008000–	)	Fitting Kit, Hose, Garden	1
▲	26	01316	(008000–	)	Washer, Flat, 0.66b 1.00d .12, Rbr	1
	27	24105	(008000–	)	Fitting, Brs, Qdc, Bm12/Qf08	1
	28	33295	(008000–	)	Fitting, Brs, Qdc, Pf08 [Parker Bh3f]	1

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Fig. 2 – ES Tanks Group



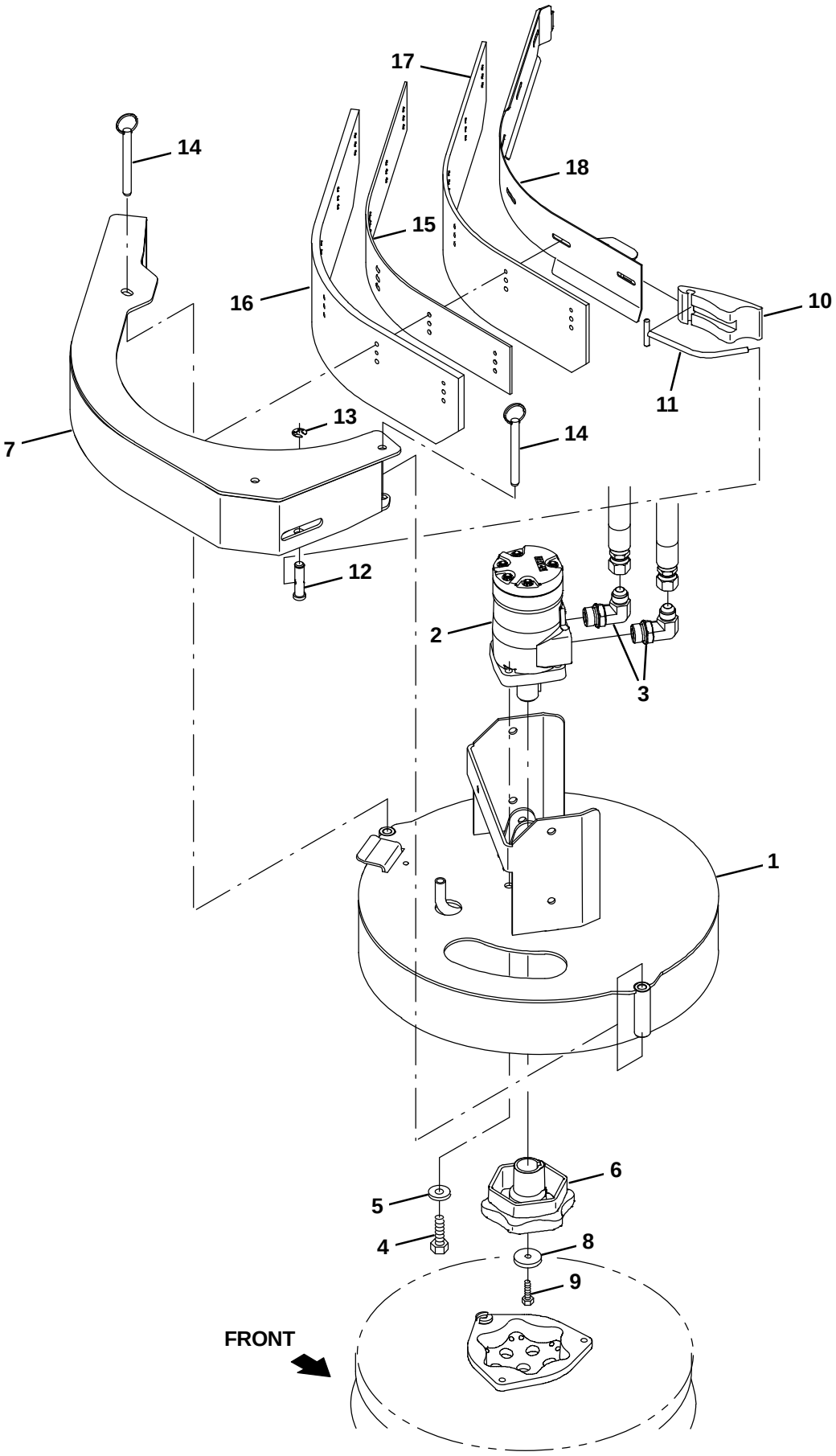
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Fig. 2 – ES Tanks Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1021210	(008000–)	Pump Assy, Column, Es (See Breakdowns)	1
2	1028697	(008000–)	Sleeve, Rbr, 3.50b 3.58d 1.8l	1
3	14877	(008000–)	Fitting, Plstc, E90, Bm12/Pm12	1
4	1015033	(008000–)	Hose, Afmkt, Pvc, Brd 0.62id 01ft	1
5	63810	(008000–)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	2
6	386652	(008000–)	Strainer, Soltn, 20mesh, Cyl, 3.5d 09.5l	1
7	24543	(008000–)	Fitting, Plstc, E90, Bm12/Pf12	1
8	1015048	(008000–)	Hose, Afmkt, Pvc, Brd, 0.75id, 01ft, Clr	1
9	11399	(008000–)	Clamp, Hose, Wormdrive, 0.81–1.50d, .50w	2
10	1019636	(008000–)	Bracket, Mtg, Strainer	1
11	09740	(008000–)	Screw, Hex, M8 X 1.25 X 20, Ss	2
12	1017218	(008000–)	Washer, Flat, 0.32b 1.00d .12, Ss	1
13	1072882	(008000–009090)	Switch Assy, Press, Dbl, 17.5l	1
14	32183	(008000–009090)	Fitting, Brs, E90, Bm03/Pm02	1
15	1031572	(008000–009090)	Hose, Afmkt, Vacuum, 0.16id, 01ft	3
16	59886	(008000–009090)	Fitting, Plstc, Tee, Bm03/Bm03/Bm03	1
17	1039019	(008000–)	Filter, Soltn, 020mesh, Pm12 3.2d 08.0l	1
18	1072883	(008000–)	Switch Assy, Press, Dbl, 26.2l	1
19	1022229	(008000–)	Tank, Detgt, Trimmed	1
20	1011885	(008000–)	Cap, Tank	1
21	1006400	(008000–)	Hose, Afmkt, Pvc, Brd, 0.38id, 03ft, Clr	1
22	20944	(008000–)	Grommet, Pye, 0.37id, F/1.5h, .13 Matl	1
23	20951	(008000–)	Fitting, Plstc, E90, Bm06/Bm06	2
24	20952	(008000–)	Screen, Pump	1
25	1014930	(008000–)	Hose, Afmkt, Pvc, Clr, 0.38id, 08ft	1
26	43844	(008000–)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	2
27	385685	(009091–)	Sensor, Level, Liq, 14vdc 01a .62–11	1
28	1037816	(009091–)	Bracket, Protector, Float Switch	1
29	09007	(009091–)	Screw, Hex, M6 X 1.00 X 25, Ss	2
30	08712	(009091–)	Nut, Hex, Lock, M6 X 1.00, Nl, Ss	2
31	76426	(009091–)	Washer, Sealing, 0.28b 0.75d Ss, Neo	2

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Fig. 3 – Side Brush Motor Group



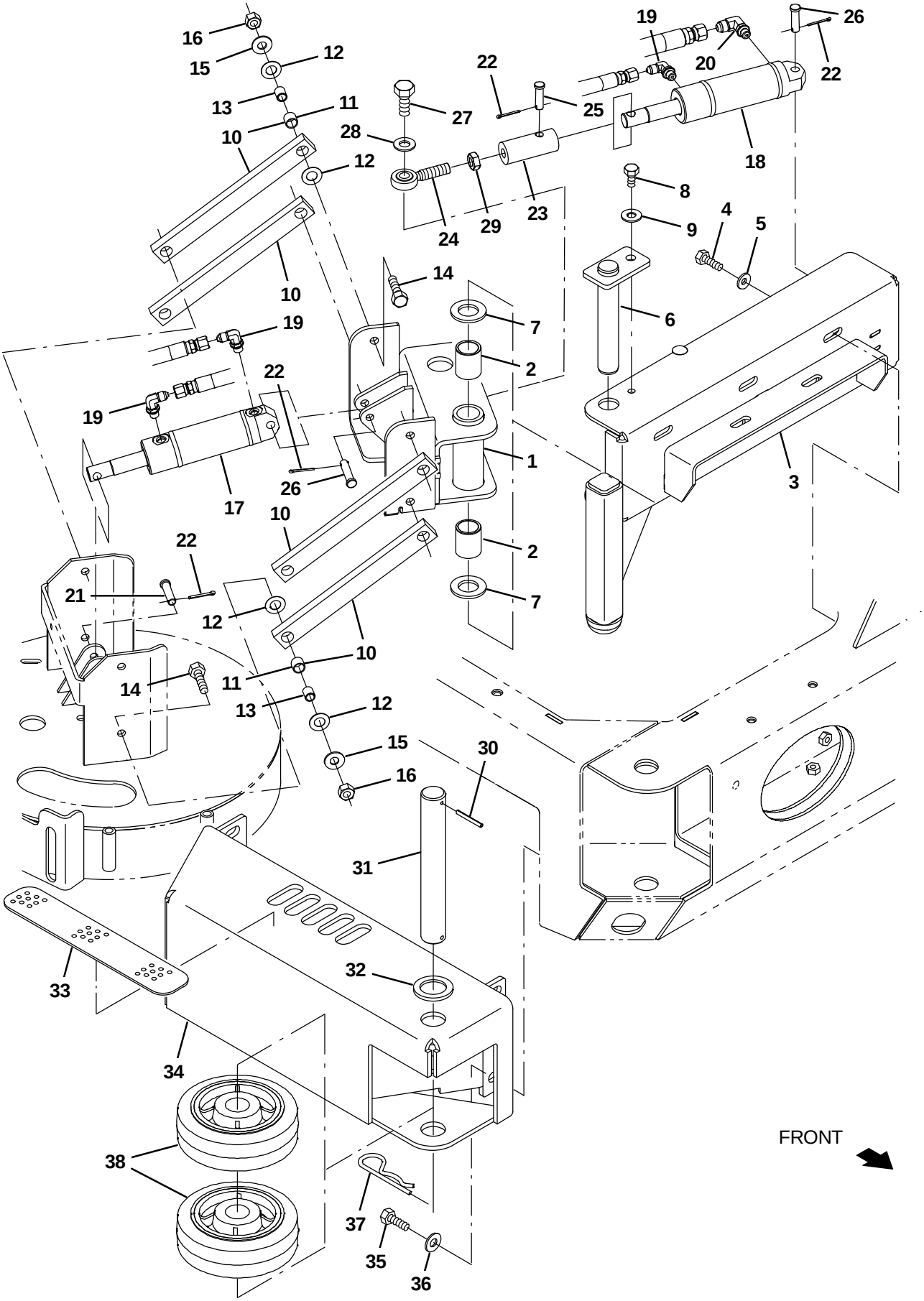
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Fig. 3 – Side Brush Motor Group

	Ref.	Part No.	Serial Number	Description	Qty.
	1	1047002	(008000–)	Bracket Wldt, Mtg, Side Brush Fixed	1
▽	2	1068812	(008000–)	Motor, Hyd, Gear, Int 08.9 Bi–Dir 2500	1
▲		22615	(008000–)	Seal Kit, Motor [Cl]	1
	3	56821	(008000–)	Fitting, Hyd, E90, Jm08/Om10	2
	4	01762	(008000–)	Screw, Hex, .38–16 X 0.75, Nl	4
	5	32492	(008000–)	Washer, Flat, 0.38 Std	4
	6	1042968	(008000–)	Hub, Drive, Brush, Disk, 1.00b [6t]	1
	7	1073409	(008000–)	Bumper Wldt, Brush, Side	1
	8	19191	(008000–)	Spacer	1
	9	25046	(008000–)	Screw, Hex, .25–20 X 1.00, 5	1
	10	1222020	(008000–)	Cam, Front, Yellow	1
	11	386298	(008000–)	Pin Wldt, Front	1
	12	21603	(008000–)	Pin, Grvd, 0.43d 01.8l [303ss]	1
	13	24555	(008000–)	Ring, Retaining, Ext, 0.38d, [E–Ring]	1
	14	369359	(008000–)	Pin, Hitch, .375d X 3.12l, Pl	2
	15	1073414	(008000–)	Spacer, Sqge, Side Brush	1
	16	1073412	(008000–)	Blade, Sqge, Side Brush, Linatex	1
	16	1073413	(008000–)	Blade, Sqge, Side Brush, Urethane	1
	17	1073415	(008000–)	Blade, Sqge, Side Brush, Linatex	1
	17	1073416	(008000–)	Blade, Sqge, Side Brush, Urethane	1
	18	1073411	(008000–)	Plate Wldt, Retainer, Sqge	1

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Fig. 4 – Side Brush Lift Group

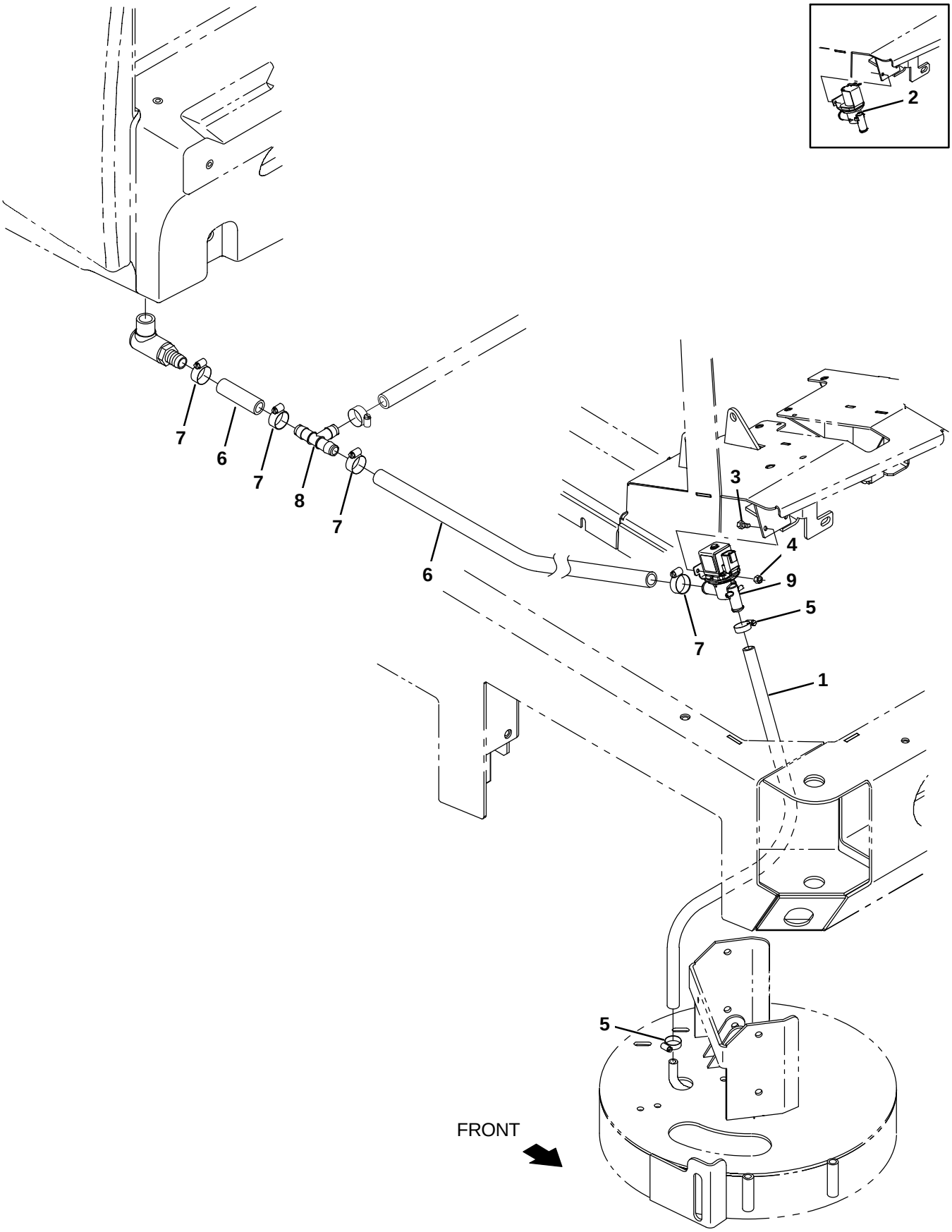


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Fig. 4 – Side Brush Lift Group

	Ref.	Part No.	Serial Number	Description	Qty.
	1	1021439	(008000–)	Pivot Wldt, Brush, Side	1
	2	71868	(008000–)	Bushing, Sleeve, 1.00b 1.13d 1.50l, Fgl	2
	3	1021473	(008000–)	Channel Wldt, Pivot	1
	4	09010	(008000–)	Screw, Hex, M8 X 1.25 X 25, Ss	5
	5	41186	(008000–)	Washer, Flat, Belleville, .31	5
	6	1021617	(008000–)	Pin Wldt	1
	7	71869	(008000–)	Washer, Thrust, 1.00b 1.75d 0.13w, Fbr	2
	8	16735	(008000–)	Screw, Hex, M8 X 1.25 X 16, 8.8	1
	9	32491	(008000–)	Washer, Flat, 0.31, Std	1
▽	10	63175–1	(008000–)	Arm, Link	4
▲	11	63233	(008000–)	Bushing, Sleeve, 0.50b 0.59d 0.50l, Bnz	2
	12	59633	(008000–)	Bearing, Thrust, 0.53b 1.00d 0.03w	16
	13	1027926	(008000–)	Sleeve, P/M, 0.37b 0.50d 0.6l [430ss]	8
	14	36845	(008000–)	Screw, Hex, .38–16 X 1.50, Ss	8
	15	01685	(008000–)	Washer, Flat, 0.31, Ss	8
	16	59156	(008000–)	Nut, Hex, Lock, .38–16, Nl, Ss	8
	17	1038137	(008000–)	Cylinder, Hyd, 1.5b 07.8l 02.80strk 2500	1
	18	1038115	(008000–)	Cylinder, Hyd, 1.5b 07.8l 02.75strk 2500	1
	19	77097	(008000–)	Fitting, Hyd, E90, Jm04/Om04	3
	20	77098	(008000–)	Fitting, Hyd, E90, Jm06/Om04	1
	21	29558	(008000–)	Pin, Clevis, 0.37d X 1.50l	1
	22	08179	(008000–)	Pin, Cotter, .094 X 1.00	4
	23	1021564	(008000–)	Adapter, Rod–End, Side Brush	1
	24	71874	(008000–)	Rod–End, .50–20rh Mal 0.50b	1
	25	29557	(008000–)	Pin, Clevis, 0.37d X 1.31l	1
	26	17461	(008000–)	Pin, Clevis, 0.37d X 1.75l	2
	27	41346	(008000–)	Screw, Hex, M12 X 1.75 X 30, 8.8	1
	28	32486	(008000–)	Washer, Flat, 0.50 Sae	1
	29	48985	(008000–)	Nut, Hex, Jam, .50–20	1
	30	23146	(008000–)	Pin, Roll, .187d X 1.62l, .187/.192	1
	31	1053838	(008000–)	Pin, 30mmd X 215mml	1
	32	47719	(008000–)	Washer, Flat, 1.26b 1.88d .13, Stl	1
	33	82839	(008000–)	Tread, Non–Skid, 02.2w 11.5l	1
	34	1022318	(008000–)	Guard Wldt, Brush, Side	1
	35	12317	(008000–)	Screw, Hex, M10 X 1.5 X 30, Ss	4
	36	01686	(008000–)	Washer, Flat, 0.44b 1.00d .08, Ss	4
	37	34411	(008000–)	Pin, Cotter, Hair, 1.00d .178 Wir	1
	38	1060130	(008000–)	Wheel, 06.0D 2.00W 1.19B, Gray Rbr	2

Fig. 5 – Side Brush Solution Control Group (S/N 008000–010000)



354465

Fig. 5 – Side Brush Solution Control Group (S/N 008000–010000)

Ref.	Part No.	Serial Number	Description	Qty.
1	50178	(008000–010000)	Hose, Pvc, Clr, 0.50id 0.69od 26.00l	1
2	9016494	(008000–009320)	Valve Kit, Replacement 12v St Flow	1
3	09738	(008000–010000)	Screw, Hex, M5 X 0.8 X 12, Ss	2
4	09739	(008000–010000)	Nut, Hex, Lock, M5 X 0.8, Nl, Ss	2
5	54333	(008000–010000)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	2
6	1015032	(008000–010000)	Hose, Afmkt, Pvc, Brd 0.62id 08ft	1
7	63810	(008000–010000)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	4
8	1062116	(008000–010000)	Fitting, Plstc, Tee, Bm10/Bm10/Bm10, Nyl	1
9	1075241	(009321–010000)	Valve Assy, Water, Solenoid, 12vdc	1

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Fig. 6 – Side Brush Solution Control Group (S/N 010001–)

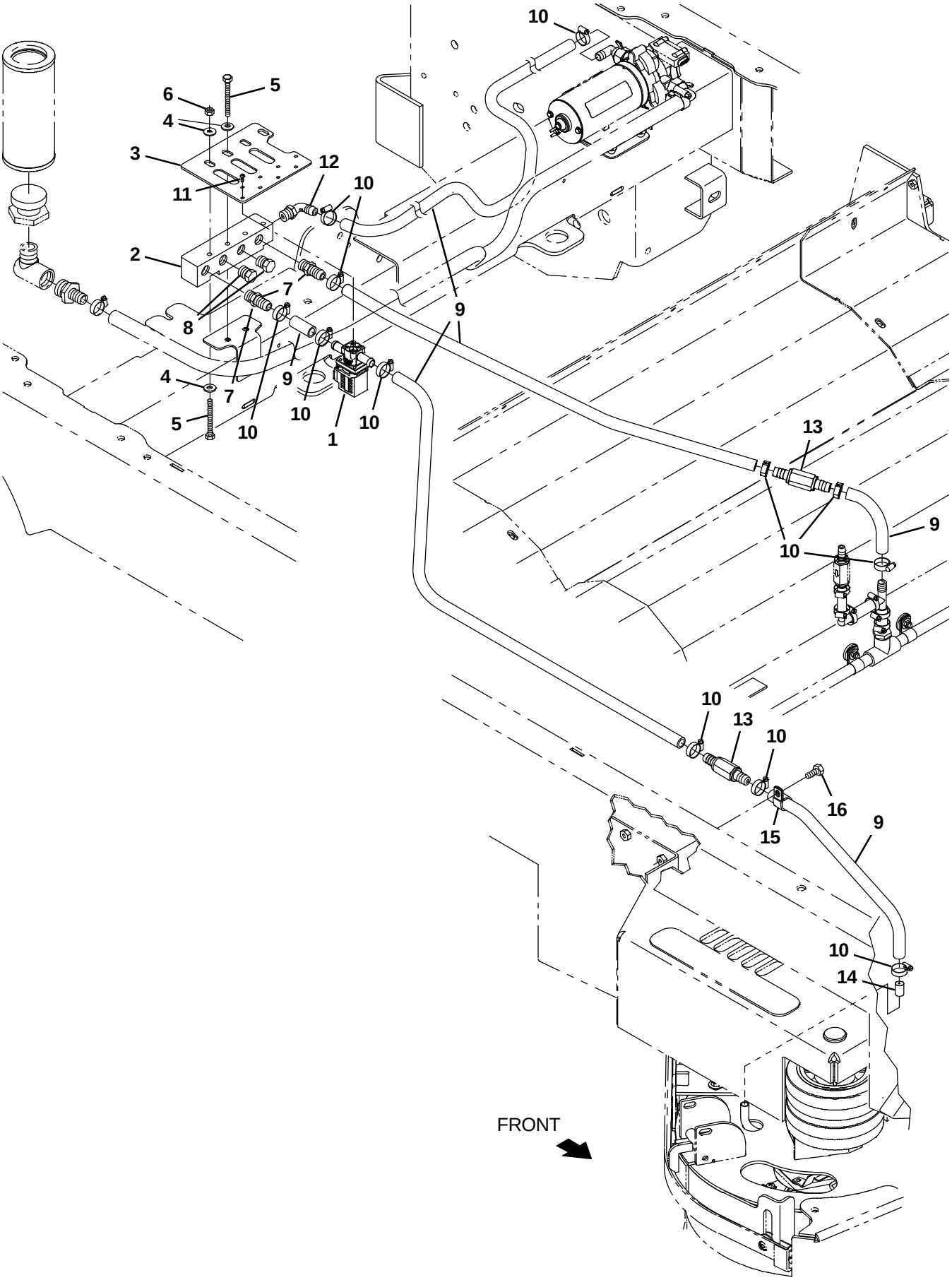
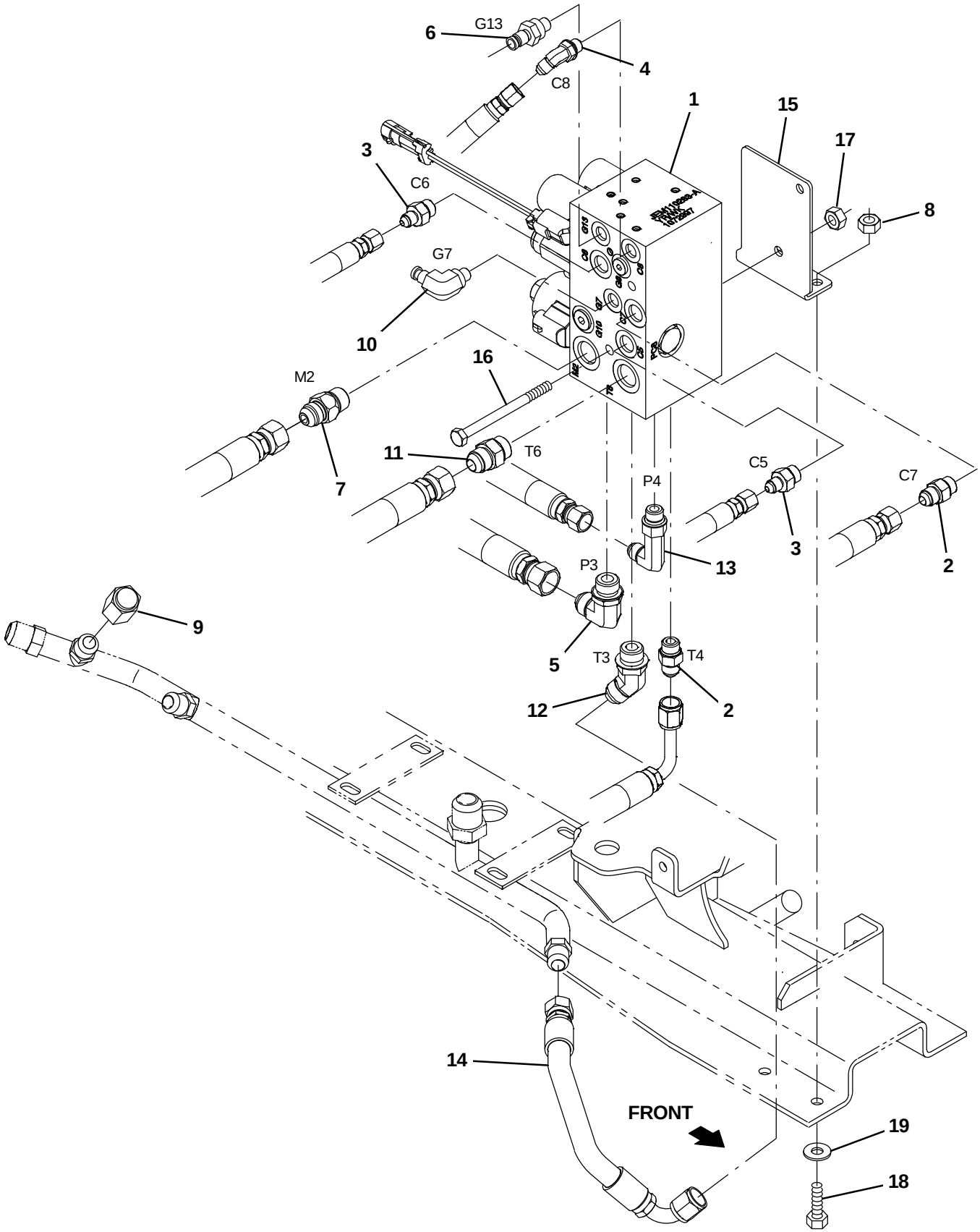


Fig. 6 – Side Brush Solution Control Group (S/N 010001–)

Ref.	Part No.	Serial Number	Description	Qty.
1	1076870	(010001–)	Valve, Water, Solenoid [12vdc, Bm08/Bm08	1
2	1254833	(010001–)	Manifold, Soln	1
3	1254856	(010001–)	Plate, Manifold, Mtg	1
4	32490	(010001–)	Washer, Flat, 0.25, Std	6
5	1257800	(010001–)	Screw, Hex, M6 X 1.00 X 60, Ss, Fl	4
6	08712	(010001–)	Nut, Hex, Lock, M6 X 1.00, Nl, Ss	2
7	64743	(010001–)	Fitting, Plstc, Str, Bm08/Pm06	2
8	630146	(010001–)	Fitting, Plug, Pm06, Hdpe	2
9	1011835	(010001–)	Hose, Afmkt, Pvc, Brd, 0.50id, 20ft, Clr	1
10	54333	(010001–)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	12
11	1257563	(010001–)	Screw, Pan, Torx, 06–19 X 0.38, F/ Plstc	2
12	64778	(010001–)	Fitting, Plstc, E90, Bm08/Pm06	1
13	1251530	(010001–)	Valve, Check, 1.0psi, Bm08/Bm08	2
14	1256639	(010001–)	Fitting, Plastic, Rst, 3.00mm	1
15	67767	(010001–)	Clamp, Cable, Stl, 0.69d X 0.62w, 1hole	1
16	12273	(010001–)	Screw, Hex, M8 X 1.25 X 20, Nl, Ss	1

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Fig. 7 – Side Brush Hydraulic Valve Group



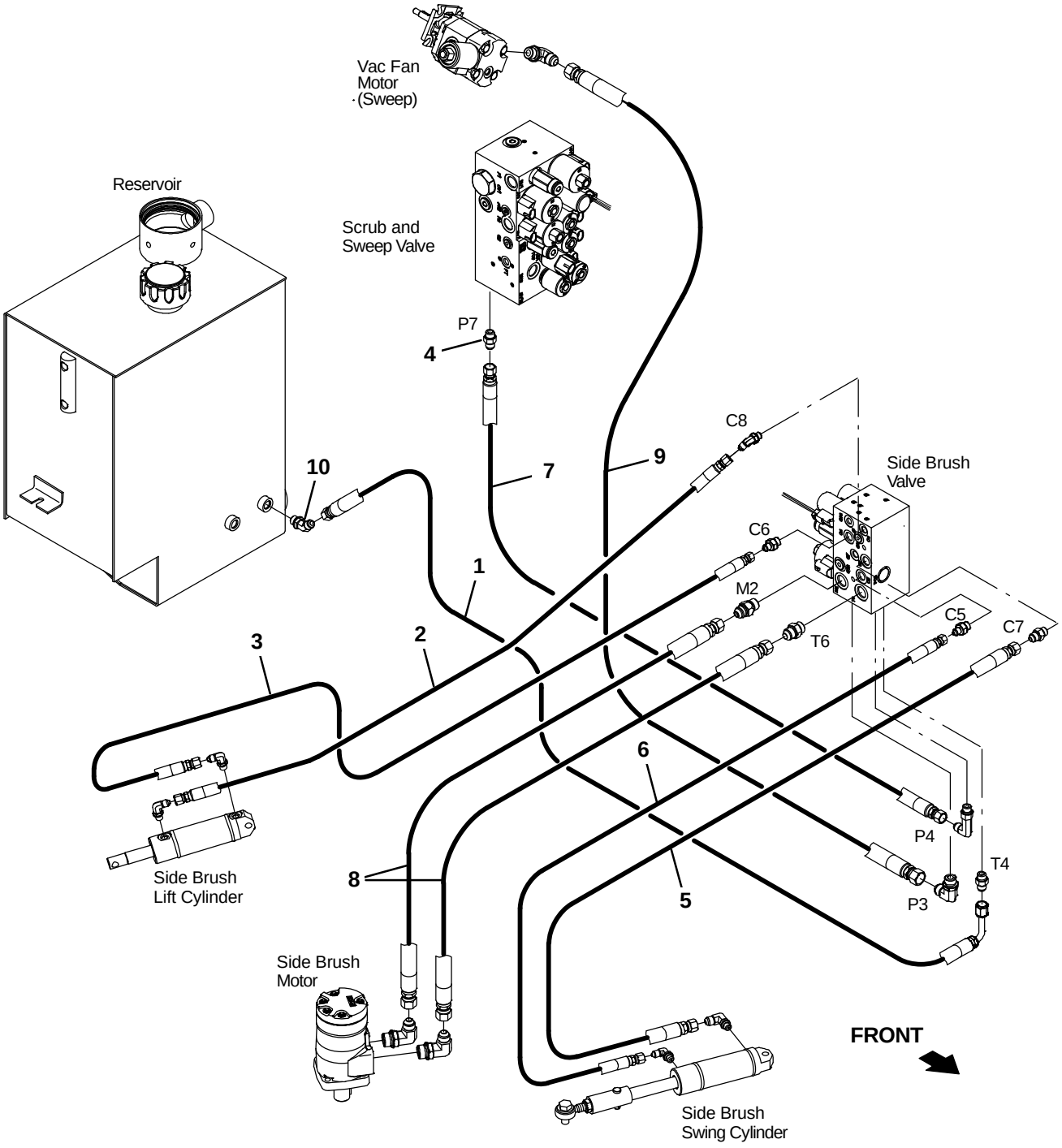
354657 – M30

Fig. 7 – Side Brush Hydraulic Valve Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1072997	(008000–)	Valve, Cntrl, Hyd, Solenoid, 03/16gpm (See Breakdowns)	1
2	56690	(008000–)	Fitting, Hyd, Str, Jm06/Om06	2
3	55685	(008000–)	Fitting, Hyd, Str, Jm04/Om06	2
4	34359	(008000–)	Fitting, Hyd, E45, Jm04/Om04	1
5	44868	(008000–)	Fitting, Hyd, E90, Jm08/Om08	1
6	395973	(008000–)	Fitting, Hyd, Str, Om04/Qm04	1
7	1026119	(008000–)	Valve, Hyd, Check, 5000psi Jm08/Om08	1
8	08713	(008000–)	Nut, Hex, Lock, M8 X 1.25, Nl, Ss	2
9	60090	(008000–)	Fitting, Hyd, Cap, Jf08	1
10	395974	(008000–)	Fitting, Hyd, E90, Om04/Qm04	1
11	44869	(008000–)	Fitting, Hyd, Str, Jm08/Om08	1
12	42226	(008000–)	Fitting, Hyd, E45, Jm08/Om08	1
13	71727	(008000–)	Fitting, Hyd, E90, Jf06/Jm06, Long	1
14	1037011	(008000–)	Hose, Hyd, Tc08, Jf08str/Jf08e90, 012.0	1
15	1045272	(008000–)	Bracket, Valve, Sba [M20 AND T20]	1
16	364441	(008000–)	Screw, Hex, M8 X 1.25 X 110, Ss	2
17	08709	(008000–)	Nut, Hex, Lock, M8 X 1.25, Nl	2
18	09010	(008000–)	Screw, Hex, M8 X 1.25 X 25, Ss	2
19	32491	(008000–)	Washer, Flat, 0.31, Std	2

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Fig. 8 – Side Brush Hydraulic Hose Group



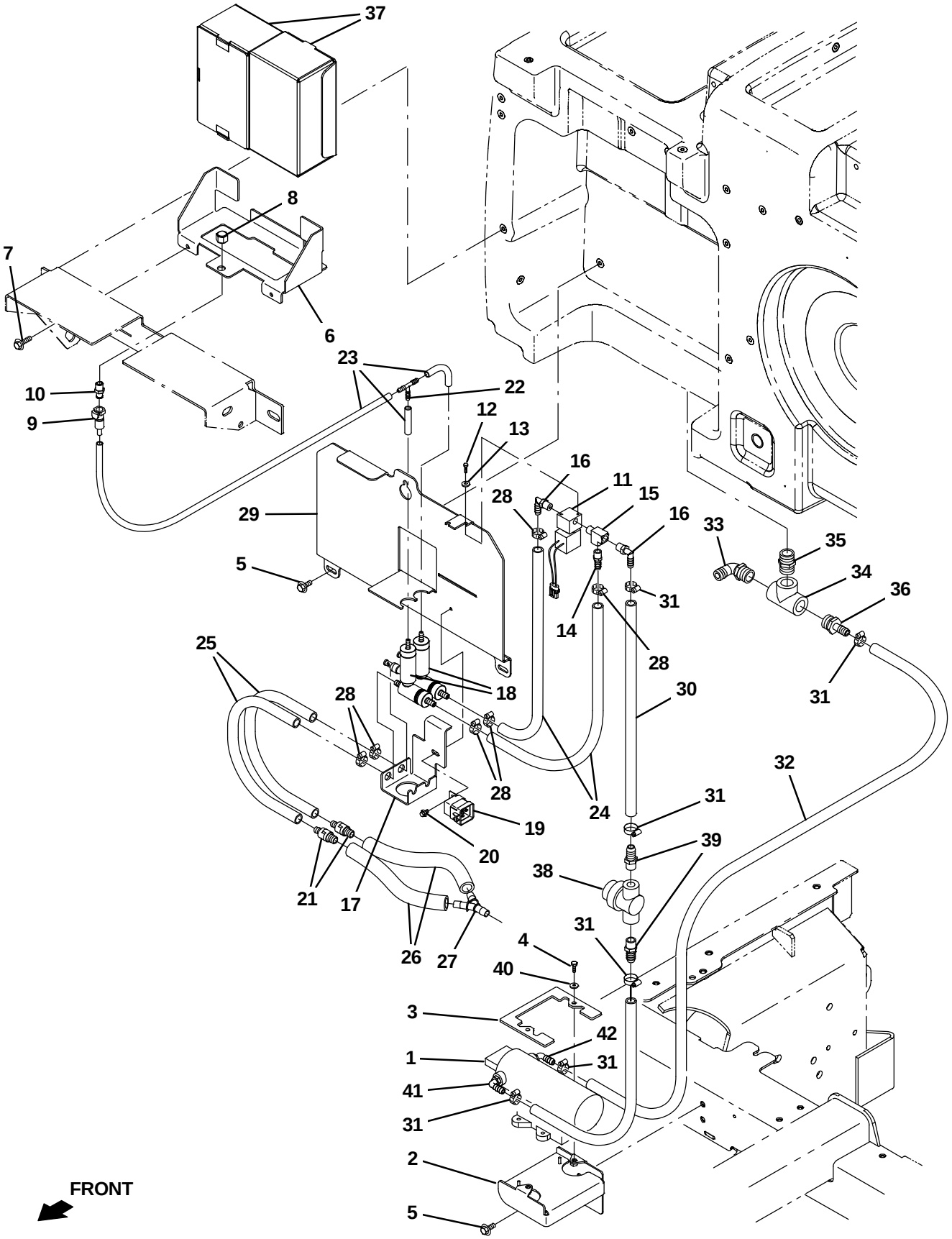
354658 – M30

Fig. 8 – Side Brush Hydraulic Hose Group

Ref.	Part No.	Serial Number	Description	Qty.
1	361047	(008000–)	Hose, Hyd, Med06, Jf06e90l/Jf06str,038.0	1
2	1025990	(008000–)	Hose, Hyd, Tc04, Jf04str/Jf04str, 039.0	1
3	1036901	(008000–)	Hose, Hyd, Tc04, Jf04str/Jf04str, 044.0	1
4	56690	(008000–)	Fitting, Hyd, Str, Jm06/Om06	1
5	1036904	(008000–)	Hose, Hyd, Tc06, Jf06str/Jf06str, 028.0	1
6	1036903	(008000–)	Hose, Hyd, Tc04, Jf04str/Jf04str, 025.0	1
7	1041389	(008000–)	Hose, Hyd, Tc06, Jf06str/Jf06str, 086.0	1
8	1036902	(008000–)	Hose, Hyd, Tc08, Jf08str/Jf08str, 039.0	2
9	1036946	(008000–)	Hose, Hyd, Tc08, Jf08str/Jf08str, 084.0	1
10	47522	(008000–)	Fitting, Hyd, E45, Jm06/Om06	1

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Fig. 9 – FaST Pumps and Detergent Group



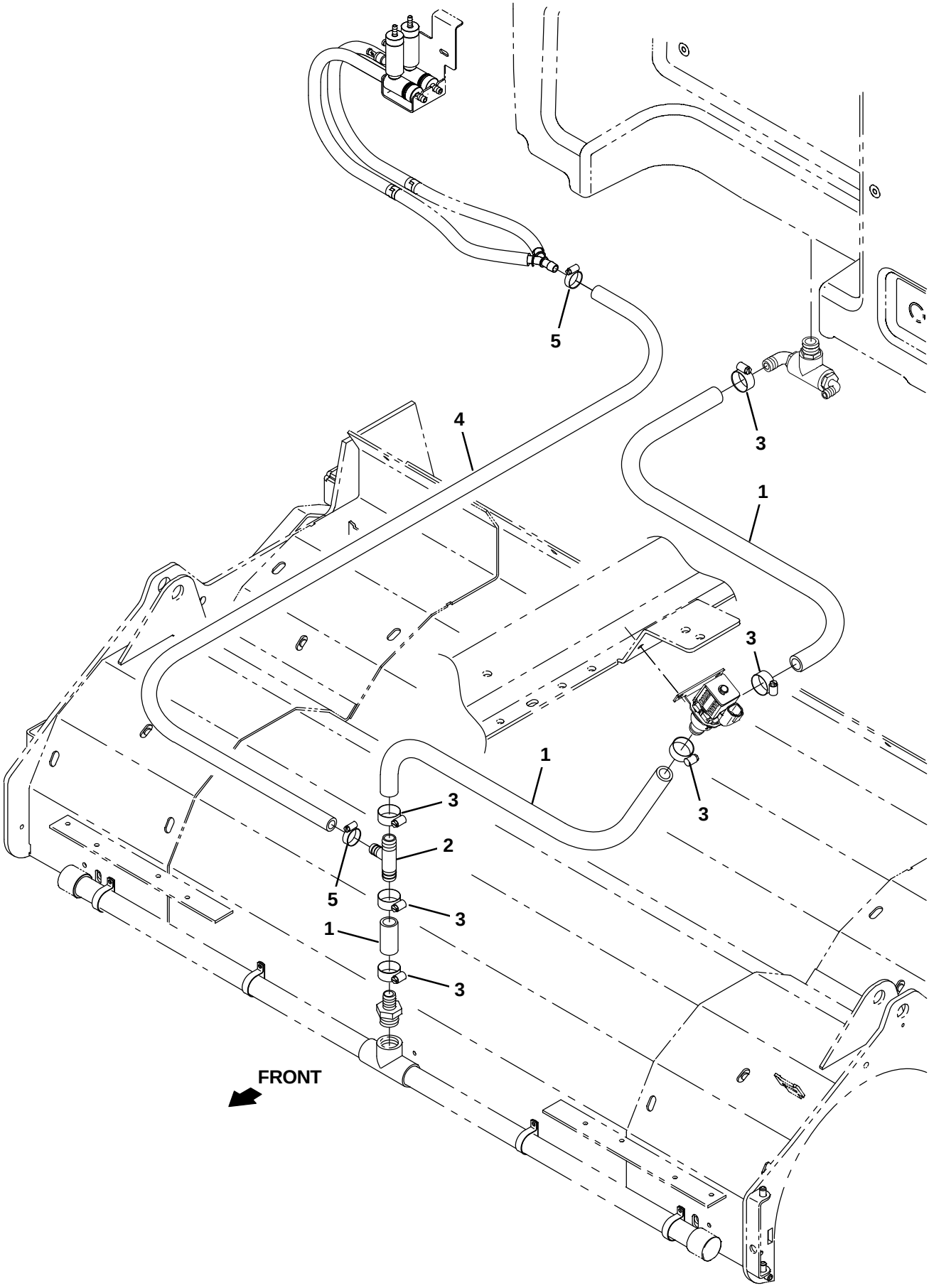
354721 – M30

Fig. 9 – FaST Pumps and Detergent Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1036801	(008000–)	Pump, Soltn, 13.7vdc, 65psi [FaST Ii+]	1
2	1039356	(008000–)	Bracket, Retainer, Pump	1
3	1039357	(008000–)	Bracket, Retainer, Pump	1
4	15678	(008000–)	Screw, Hex, M6 X 1.00 X 16, Ss	2
5	1020341	(008000–)	Screw, Hex, M8 X 1.25 X 20, Ss, Sems	7
6	1033791	(008000–)	Bracket, Mtg [FaST]	1
7	76099	(008000–)	Screw, Hex, M8 X 1.25 X 25, Fmg	2
8	1005435	(008000–)	Fitting, Plstc, Pipe, Cap, Pf04	1
9	1002898	(008000–)	Fitting, Plstc, Str, Bm04, Cplg, Fem	1
10	1002899	(008000–)	Fitting, Plstc, Str, Pm04, Cplg, Mal	1
11	1018098	(008000–)	Valve, Water, Solenoid, 12vdc 6.0mm Pf04	1
12	09200	(008000–)	Screw, Pan, Phl, M5 X 0.80 X 12, Ss	2
13	01683	(008000–)	Washer, Flat, 10, Ss	2
14	150540	(008000–)	Fitting, Plstc, Str, Bm06/Pm04	1
15	150709	(008000–)	Fitting, Brs, Tee, Pm04/Pf04/Pf04, Run	1
16	57248	(008000–)	Fitting, Plstc, E90, Bm06/Pm04, Nyl	2
17	1033957	(008000–)	Bracket, Mtg [FaST]	1
18	9008868	(008000–)	FaST Kit, Injector [M20/T20/M30 FaST III] (See Breakdown)	2
19	56186	(008000–)	Relay, 12vdc, 040a, Spdt No	1
20	361339	(008000–)	Screw, Hex, M6 X 1.00 X 16, Fmg	1
21	1035794	(008000–)	Valve, Check, 0005psi Bm06/Bm08	2
22	150713	(008000–)	Fitting, Plstc, Tee, Bm04/Bm04/Bm04	1
23	1006415	(008000–)	Hose, Afmkt, Pvc, Clr, 0.25id, 03ft	1
24	1006416	(008000–)	Hose, Afmkt, Pvc, Clr, 0.38id, 03ft	1
25	1024237	(008000–)	Hose, Afmkt, Pvc, Wir, 0.50id, 03ft, Clr	1
26	1014929	(008000–)	Hose, Afmkt, Pvc, Clr, 0.38id, 01ft	1
27	1010668	(008000–)	Fitting, Plstc, Y, Bm08/Bm08/Bm08, Nyl	1
28	43844	(008000–)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	6
29	1037262	(008000–)	Plate, Mtg [FaST]	1
30	1006400	(008000–)	Hose, Afmkt, Pvc, Brd, 0.38id, 03ft, Clr	1
31	54333	(008000–)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	4
32	1011412	(008000–)	Hose, Afmkt, Pvc, Brd, 0.50id, 08ft, Clr	1
33	73468	(008000–)	Fitting, Plstc, E90, Bm10/Pm12	1
34	42133A	(008000–)	Fitting, Plstc, Tee, Pf12/Pf12/Pf12	1
35	24544	(008000–)	Fitting, Plstc, Str, Pm12/Pm12 1.60l	1
36	79273–1	(008000–)	Fitting, Plstc, Str, Bm08/Pm12	1
37	1017022	(008000–)	Detergent, Pkg, 2 Liter, Sgl [665]	2
37	1034126	(008000–)	Detergent, Pkg, 2 Liter, Sgl [965, Tco]	2
38	1005302	(008000–)	Filter, In–Line, Pf06/Pf06 080Mesh 02.6L	1
39	150538	(008000–)	Fitting, Plstc, Str, Bm06/Pm06	2
40	01684	(008000–)	Washer, Flat, 0.27B 0.69D .05, Ss	2
41	1049254	(008000–)	Fitting, Nyl, Qdc, E90, Bm08/ Qm10	1
42	1049259	(008000–)	Fitting, Nyl, Qdc, E90, Bm06/ Qm10	1

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Fig. 10 – FaST Solution Supply Group



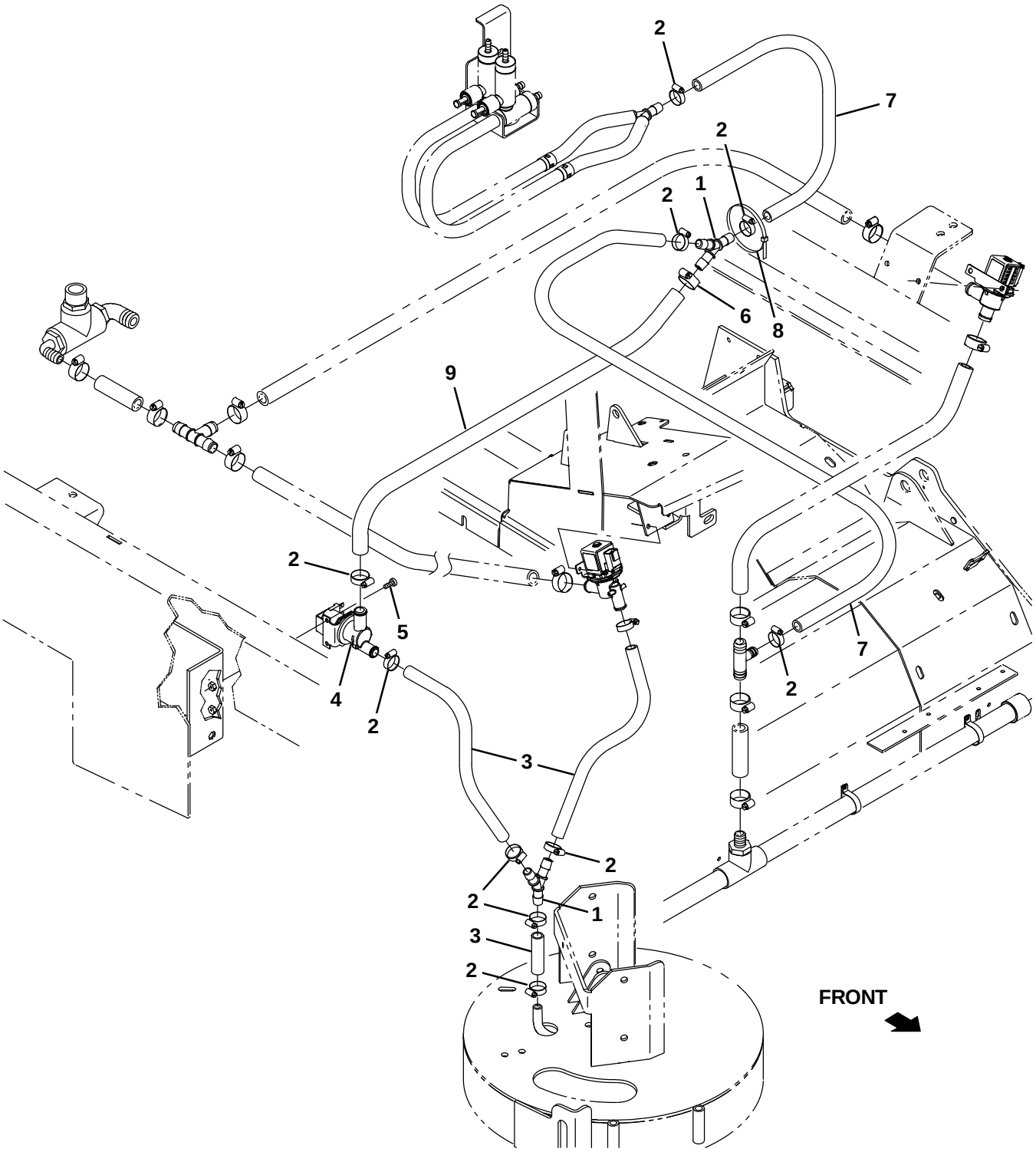
354722 – M30

Fig. 10 – FaST Solution Supply Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1015032	(008000–)	Hose, Afmkt, Pvc, Brd, 0.62id, 08ft, Clr	1
2	1015486	(008000–)	Fitting, Plstc, Tee, Bm08/Bm10/Bm10, Br	1
3	63810	(008000–)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	6
4	1011412	(008000–)	Hose, Afmkt, Pvc, Brd, 0.50id, 08ft, Clr	1
5	54333	(008000–)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	2

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Fig. 11 – FaST Solution Supply Group, Side Brush



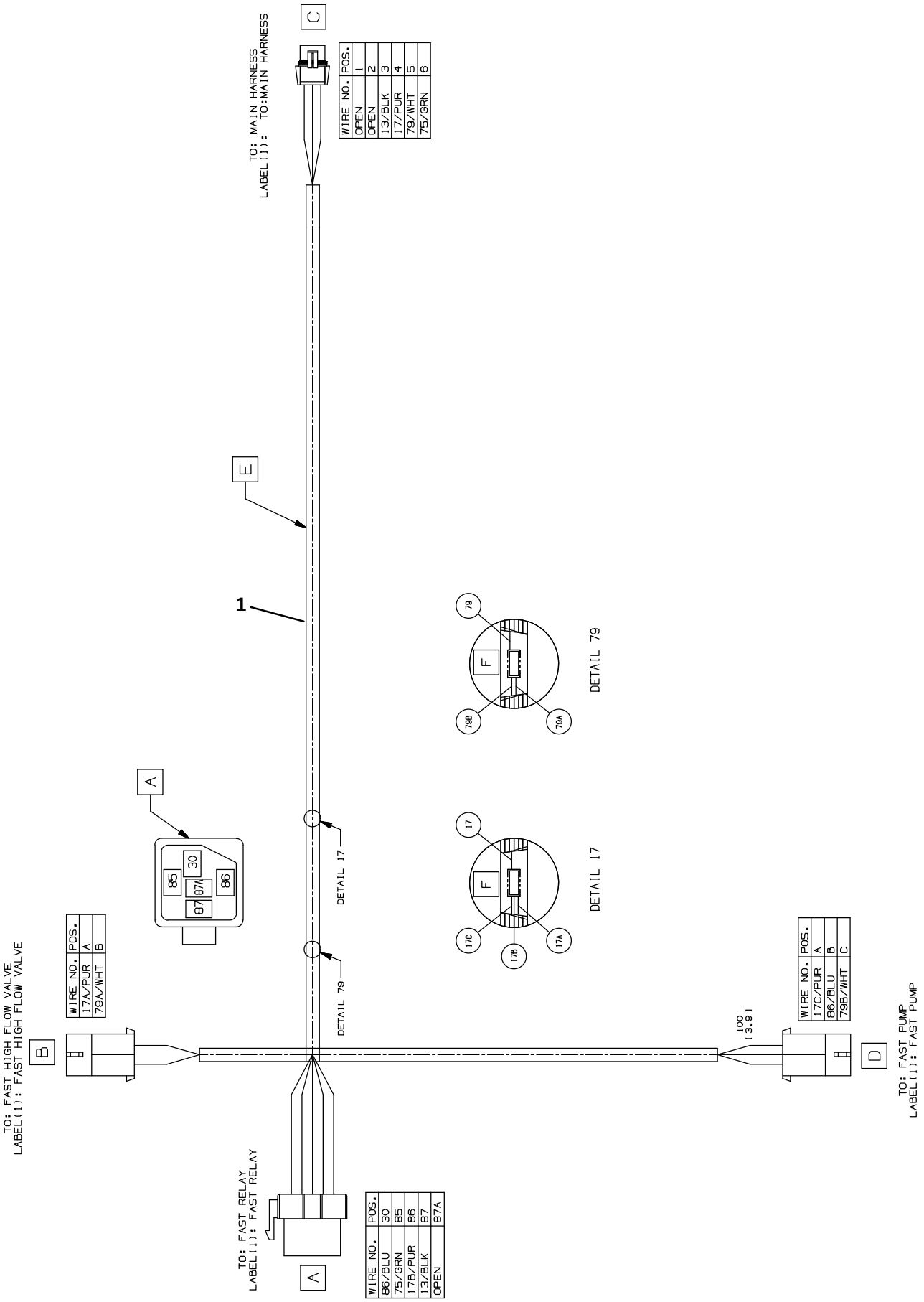
354723 – M30

Fig. 11 – FaST Solution Supply Group, Side Brush

Ref.	Part No.	Serial Number	Description	Qty.
1	1010668	(008000–)	Fitting, Plstc, Y, Bm08/Bm08/Bm08, Nyl	2
2	54333	(008000–)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	10
3	1015067	(008000–)	Hose, Afmkt, Pvc, Clr, 0.50id, 08ft	1
4	1037825	(008000–)	Valve, Solenoid, 12vdc, Water Flow	1
5	24196	(008000–)	Screw, Pan, Phl, M5 X 0.80 X 20, Ss	2
6	63810	(008000–)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	1
7	1011412	(008000–)	Hose, Afmkt, Pvc, Brd, 0.50id, 08ft, Clr	1
8	763116	(008000–)	Tie, Cable, Nyl, 15.3l . W 4.5 Max D	1
9	31543	(008000–)	Hose, Heater, E90, 0.62id, 24.0 4.0	1

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Fig. 12 – FaST Wire Harness Group



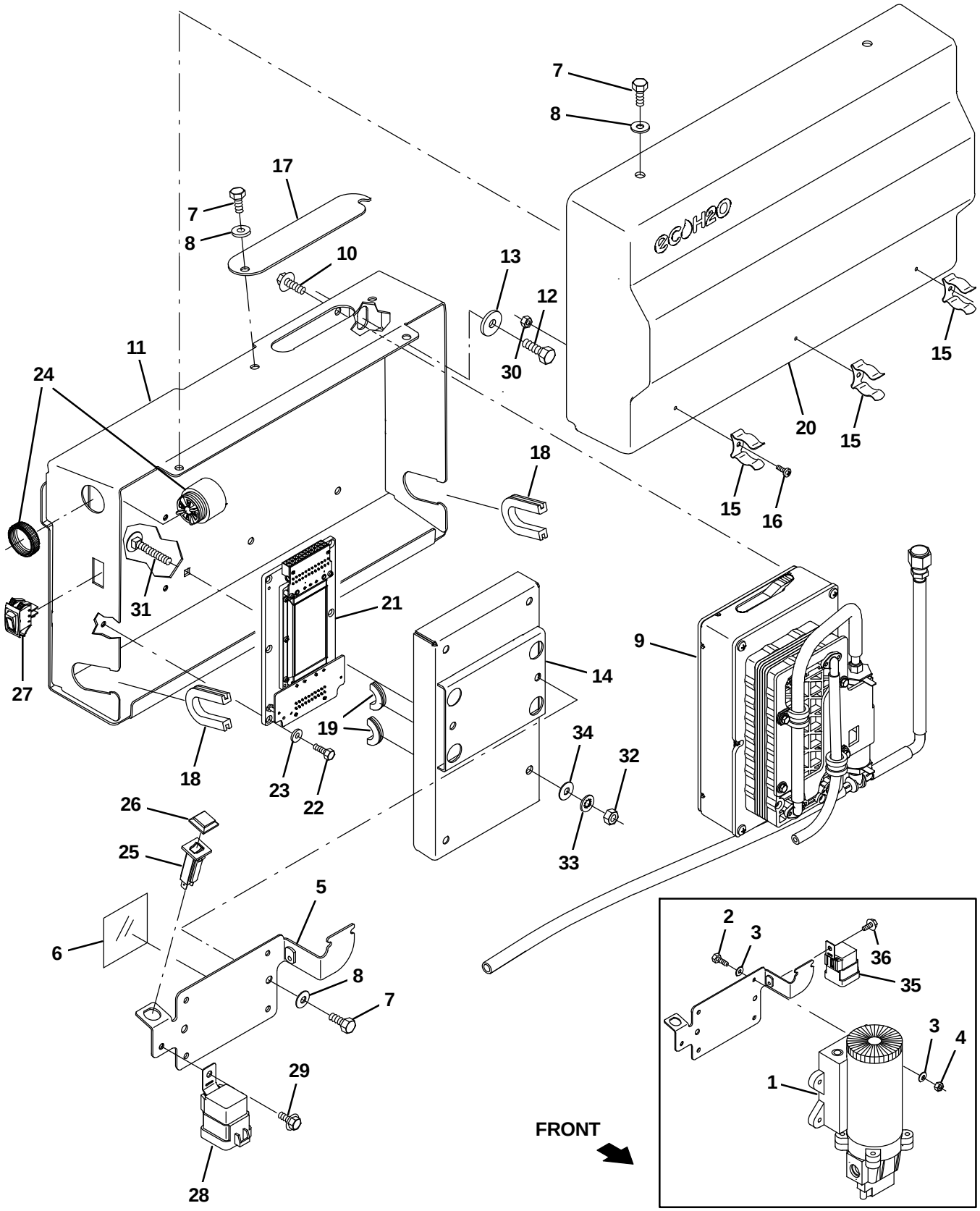
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356690 – M30

Fig. 12 – FaST Wire Harness Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1075254	(008000–)	Harness, Wire [FaST Gen 2, M30]	1

Fig. 13 – ec–H20 Solution Pump Group



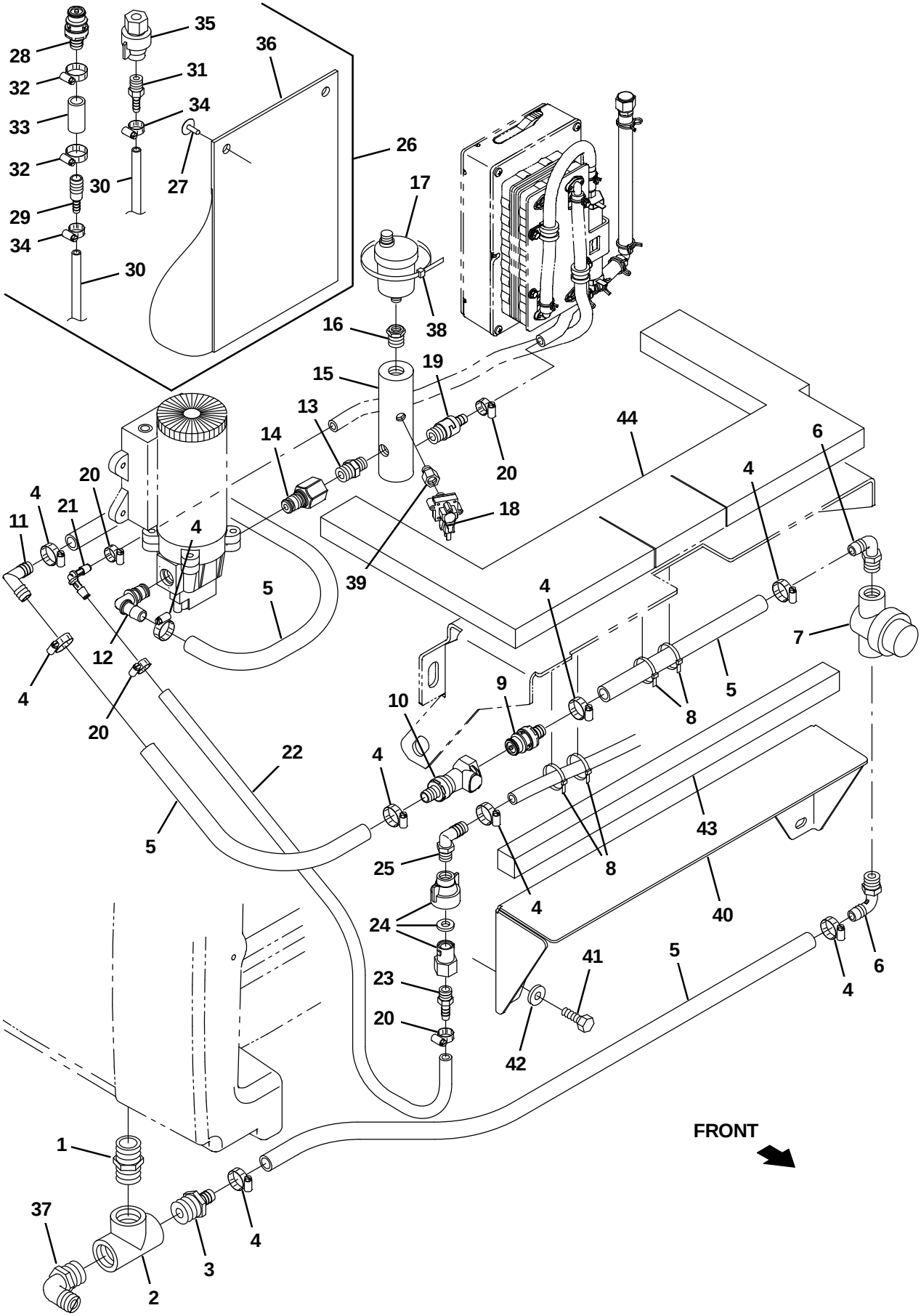
356033

Fig. 13 – ec–H20 Solution Pump Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1060624	(008000–010000)	Pump, Soltn, Ele, 13.7vdc,12/28psi	1
2	09252	(008000–010000)	Screw, Hex, M5 X 0.80 X 20, 8.8	4
3	19066	(008000–010000)	Washer, Flat, 10	8
4	06549	(008000–010000)	Nut, Hex, Lock, M5 X 0.80, Nl	4
5	1060273	(008000–)	Plate, Mtg, Pump	1
6	1059677	(008000–)	Strip, Rbr, 0.06 03.54w 03.5l [Neo/60]	1
7	09744	(008000–)	Screw, Hex, M6 X 1.00 X 12, Ss	6
8	01684	(008000–)	Washer, Flat, 0.27b 0.69d .05, Ss	6
9	9007882	(008000–)	Module Kit, Replmt [Ec–H20] (See Breakdowns)	1
10	1040467	(008000–)	Screw, Hex, M6 X 1.00 X 20, 9.8, Sems	4
11	1060292	(008000–)	Plate Wldt, Mtg	1
12	09740	(008000–)	Screw, Hex, M8 X 1.25 X 20, Ss	2
13	1017218	(008000–)	Washer, Flat, 0.32b 1.00d .12, Ss	2
14	1060185	(008000–)	Cover Wldt, Power Supply	1
15	1029057	(008000–)	Clip, Grip, Finger, 0.88–1.25d	3
16	12323	(008000–)	Screw, Pan, Phl, M4 X 0.70 X 20, Ss	3
17	1060291	(008000–)	Plate, Inspection	1
18	1020168	(008000–)	Molding, Afmkt, Trim, Pvc, .08 .11, 01Ft	1
19	10632–4	(008000–)	Grommet, Rbr, 0.62id, F/0.9h, .06 Matl	1
20	1060719	(008000–)	Cover, Trimmed	1
21	1058963	(008000–)	Converter, Ele, 12–36 Vdc	1
22	09206	(008000–)	Screw, Hex, M4 X 0.70 X 12, 8.8	4
23	19065	(008000–)	Washer, Flat, 08	4
24	1052726	(008000–)	Alarm, 9–48vdc, 95 Db(A) [Ec–H20]	1
25	1064183	(008000–)	Circuitbreaker, 02.0a, Resetable	1
26	1064191	(008000–)	Boot, Circuitbreaker	1
27	1044393	(008000–)	Switch, Rocker, Spst, Mom	1
28	56186	(008000–)	Relay, 12vdc, 040a, Spdt No	2
29	223198	(008000–)	Screw, Hex, M5 X 0.80 X 10, Fmg	2
30	33932	(008000–)	Nut, Hex, Lock, M4 X 0.70, Nl, Ss	3
31	1062804	(008000–)	Bolt, Carriage, M06 X 1.00 X 40, 4.6	4
32	41359	(000000)	Nut, Hex, Std, M6 X 1.00, 8	4
33	32982	(000000)	Washer, Lock, Int, 0.25	4
34	32483	(000000)	Washer, Flat, 0.25, Sae	4
35	56186	(008000–010000)	Relay, 12vdc, 040a, Spdt No	1
36	223198	(008000–010000)	Screw, Hex, M5 X 0.80 X 10, Fmg	1

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Fig. 14 – ec–H20 Solution Pump Supply Group (S/N 008000–010000)



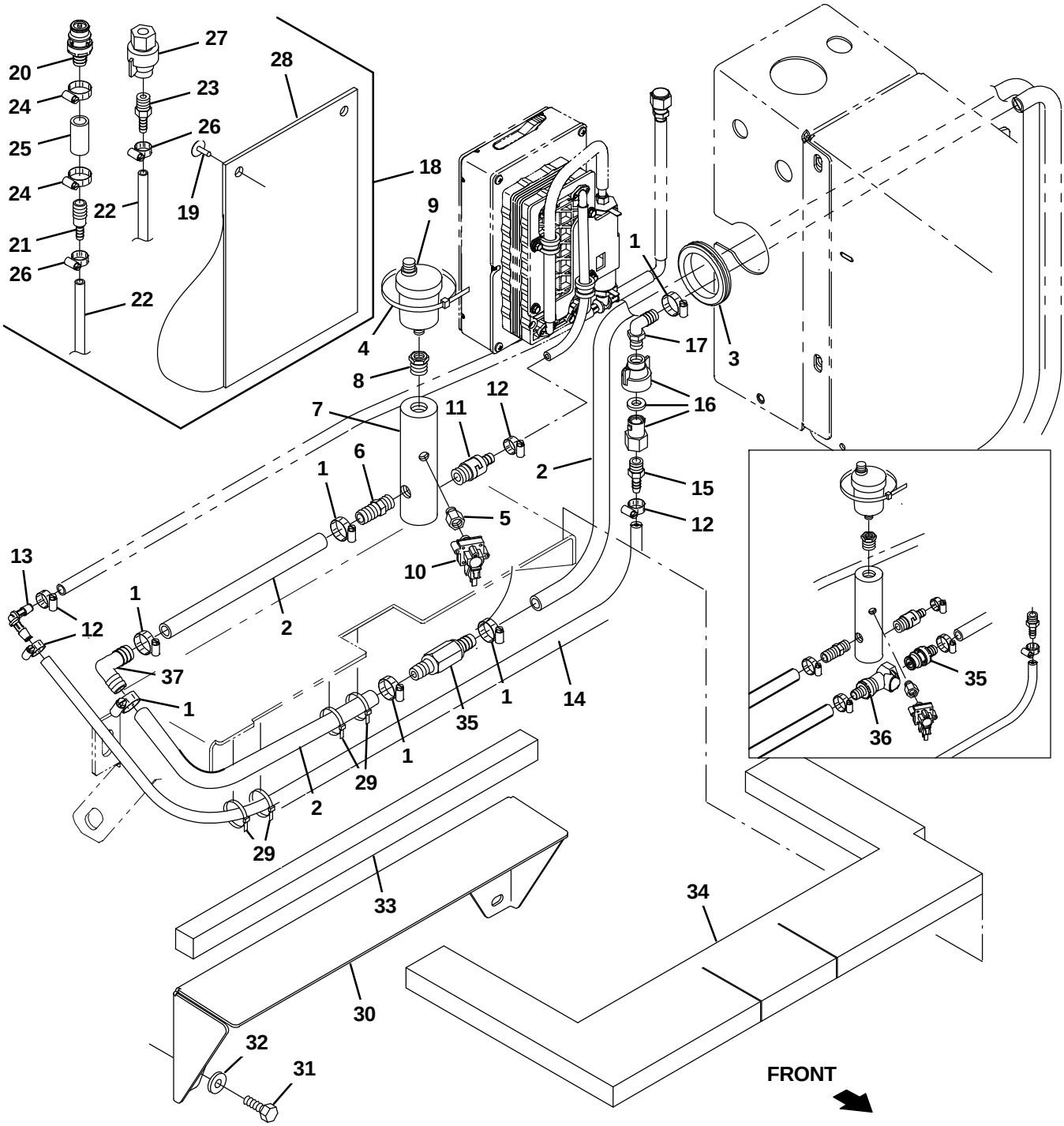
356045 – M30

Fig. 14 – ec–H20 Solution Pump Supply Group (S/N 008000–010000)

	Ref.	Part No.	Serial Number	Description	Qty.
	1	4036382	(008000–010000)	Fitting, Plstc, Str, Pm12/Pm12 1.60l	1
	2	4017317	(008000–010000)	Fitting, Plstc, Tee, Pf12/Pf12/Pf12	1
	3	4026537	(008000–010000)	Fitting, Plstc, Str, Bm08/Pm12	1
	4	4015366	(008000–010000)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	9
	5	4036844	(008000–010000)	Hose, Afmkt, Pvc, Brd, 0.50id, 08ft, Clr	1
	6	4017647	(008000–010000)	Fitting, Plstc, E90, Bm08/Pm06	2
	7	4038961	(008000–010000)	Filter, In–Line, Pf06/Pf06 080mesh 02.6l	1
	8	4011910	(008000–010000)	Tie, Cable, Nyl, 15.3l . W 4.5 Max D	4
	9	4035458	(008000–010000)	Insert, Cplg, Qm, Bm08	1
	10	4035457	(008000–010000)	Housing, Cplg, Qf / Pm08	1
	11	4017096	(008000–010000)	Fitting, Plstc, E90, Bm08/Bm08	1
	12	4040112	(008000–010000)	Fitting, Nyl, Qdc, E90, Bm08/ Qm10	1
	13	4038956	(008000–010000)	Fitting, Plstc, Str, Pm04/Pm06, Nyl	1
	14	4037143	(008000–010000)	Fitting, Plstc, Str, Pf06/Qm10, Pvc	1
	15	4034619	(008000–010000)	Manifold, Water	1
	16	4035395	(008000–010000)	Fitting, Brs, Str, Pf02/Pm06	1
	17	4035456	(008000–010000)	Valve, Vent, Air, Float Type	1
	18	4036776	(008000–010000)	Switch, Press, 50 Psi, Pm02	1
	19	4034632	(008000–010000)	Valve, Check, 0005psi Pm04/Bm06	1
	20	4017396	(008000–010000)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	4
	21	4187030	(008000–010000)	Fitting, Plstc, E90, Bm05/Bm05, Nyl	1
	22	4041050	(008000–010000)	Hose, Afmkt, PVC, Brd, 0.31Id, 03Ft, Clr	2
	23	4040814	(008000–010000)	Fitting, Plstc, Str, Bm05/Pm04	1
	24	4030539	(008000–010000)	Fitting Assy, Qdc, Pf04	1
	25	4017747	(008000–010000)	Fitting, Plstc, E90, Bm08/Pm04	1
▽	26	4197576	(008000–010000)	ec–H2O Kit, Flush, Replmt[M20, M30&T20]	1
▲	27	4016302	(008000–010000)	Rivet, Plstc, .250d X 0.90	2
▲	28	4035458	(008000–010000)	Insert, Cplg, Qm, Bm08	1
▲	29	4020535	(008000–010000)	Fitting, Plstc, Str, Bm04/Bm08	1
▲	30	4039304	(008000–010000)	Hose, Afmkt, Pvc, Clr, 0.25id, 03ft	2
▲	31	4014520	(008000–010000)	Fitting, Plstc, Str, Bm04/Pm04	1
▲	32	4015366	(008000–010000)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	2
▲	33	4036839	(008000–010000)	Hose, Afmkt, Pvc, Brd, 0.50id, 01ft, Clr	1
▲	34	4017396	(008000–010000)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	2
▲	35	4030539	(008000–010000)	Fitting Assy, Qdc, Pf04	1
▲	36	4013988	(008000–010000)	Pouch	1
	37	4016343	(008000–010000)	Fitting, Plstc, E90, Bm10/Pm12	1
	38	4014138	(008000–010000)	Tie, Cable, Nyl, 07.3l .19w 1.8 Max D	1
	39	4035142	(008000–010000)	Fitting, Brs, Snubber, Pm02/Pf02	1
	40	4034413	(008000–010000)	Plate, Sppt	1
	41	4041992	(008000–010000)	Screw, Hex, M8 X 1.25 X 20, Ss	2
	42	4035242	(008000–010000)	Washer, Flat, 0.32b 1.00d .12, Ss	2
	43	4034644	(008000–010000)	Insulation, Acstc, Rear	1
	44	4034571	(008000–010000)	Insulation, Acstc, Adh	1

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Fig. 15 – ec–H20 Solution Pump Supply Group (S/N 010001–)



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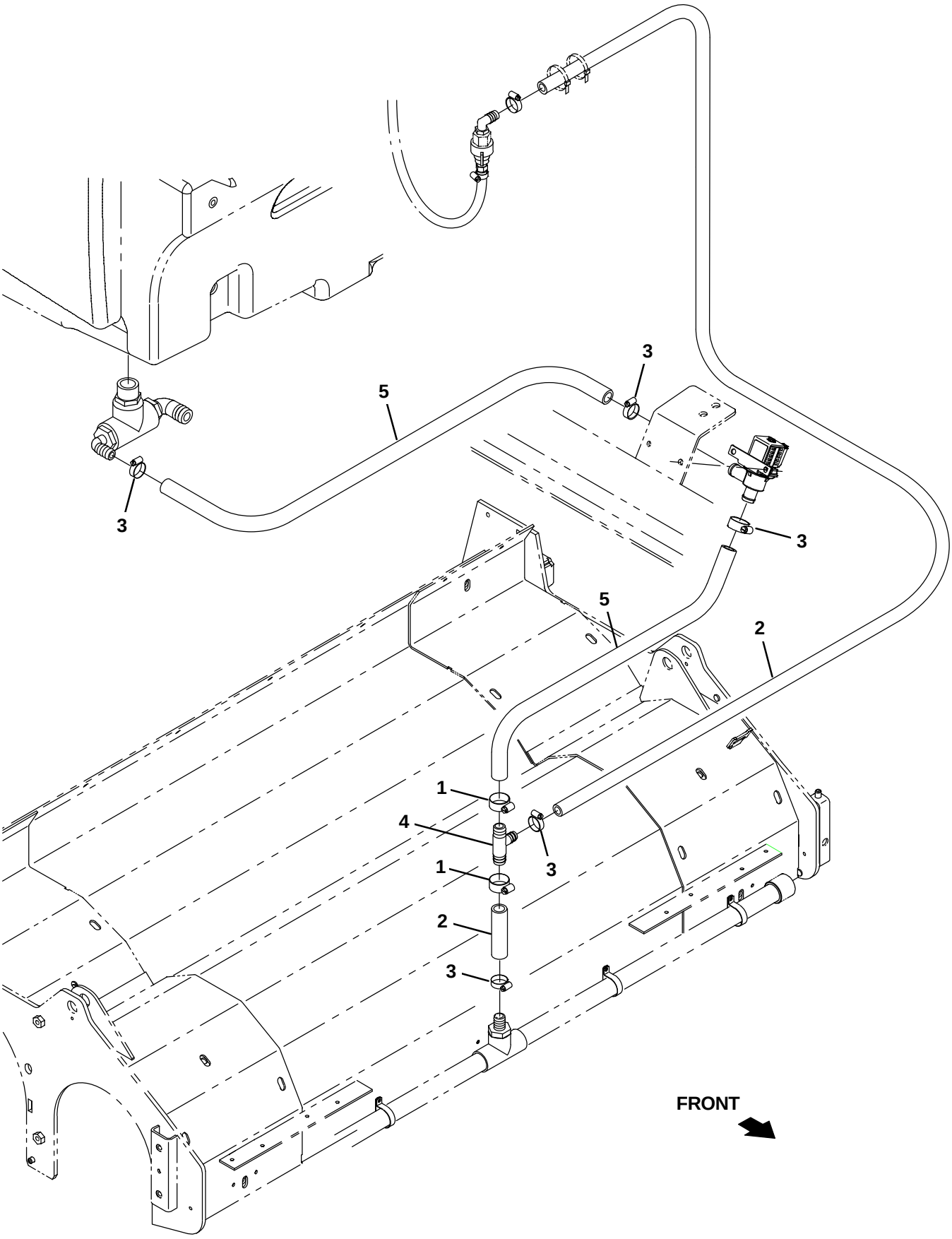
357122 – M30

Fig. 15 – ec–H20 Solution Pump Supply Group (S/N 010001–)

	Ref.	Part No.	Serial Number	Description	Qty.
	1	4015366	(010001–)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	4
	2	4036916	(010001–)	Hose, Afmkt, Pvc, Brd, 0.50id, 12ft, Clr	1
	3	4032002	(010001–)	Grommet, Rbr, 2.13id, F/2.5h, .12 Matl	1
	4	4014138	(010001–)	Tie, Cable, Nyl, 07.3l .19w 1.8 Max D	1
	5	4035142	(010001–)	Fitting, Brs, Snubber, Pm02/Pf02	1
	6	4013959	(010001–)	Fitting, Plstc, Str, Bm08/Pm04	1
	7	4034619	(010001–)	Manifold, Water	1
	8	4035395	(010001–)	Fitting, Brs, Str, Pf02/Pm06	1
	9	4035456	(010001–)	Valve, Vent, Air, Float Type	1
	10	4036776	(010001–)	Switch, Press, 50 Psi, Pm02	1
	11	4034632	(010001–)	Valve, Check, 0005psi Pm04/Bm06	1
	12	4017396	(010001–)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	4
	13	4187030	(010001–)	Fitting, Plstc, E90, Bm05/Bm05, Nyl	1
	14	4041050	(010001–)	Hose, Afmkt, PVC, Brd, 0.31Id, 03Ft, Clr	1
	15	4040814	(010001–)	Fitting, Plstc, Str, Bm05/Pm04	1
	16	4030539	(010001–)	Fitting Assy, Qdc, Pf04	1
	17	4017747	(010001–)	Fitting, Plstc, E90, Bm08/Pm04	1
▽	18	4197576	(010001–)	ec–H2O Kit, Flush, Replmt[M20, M30&T20]	1
▲	19	4016302	(010001–)	Rivet, Plstc, .250d X 0.90	2
▲	20	4035458	(010001–)	Insert, Cplg, Qm, Bm08	1
▲	21	4020535	(010001–)	Fitting, Plstc, Str, Bm04/Bm08	1
▲	22	4039304	(010001–)	Hose, Afmkt, Pvc, Clr, 0.25id, 03ft	2
▲	23	4014520	(010001–)	Fitting, Plstc, Str, Bm04/Pm04	1
▲	24	4015366	(010001–)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	2
▲	25	4036839	(010001–)	Hose, Afmkt, Pvc, Brd, 0.50id, 01ft, Clr	1
▲	26	4017396	(010001–)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	2
▲	27	4030539	(010001–)	Fitting Assy, Qdc, Pf04	1
▲	28	4013988	(010001–)	Pouch	1
	29	4035458	(010001–)	Tie, Cable, Nyl, 15.3l . W 4.5 Max D	4
	30	4035457	(010001–)	Plate, Sppt	1
	31	4041992	(010001–)	Screw, Hex, M8 X 1.25 X 20, Ss	2
	32	4035242	(010001–)	Washer, Flat, 0.32b 1.00d .12, Ss	2
	33	4034644	(010001–)	Insulation, Acstc, Rear	1
	34	4034571	(010001–)	Insulation, Acstc, Adh	1
	35	1017415	(010001–012999)	Insert, Cplg, Qm, Bm08 (Repl by 4035458)	1
	35	4035458	(010001–)	Insert, Cplg, Qm, Bm08	1
	36	4035457	(010001–012999)	Housing, Cplg, Qf / Pm083 (Repl by 4035457)	1
	37	4035457	(010001–)	Housing, Cplg, Qf / Pm08	1

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Fig. 16 – ec–H20 Solution Supply Group (S/N 008000–010000)

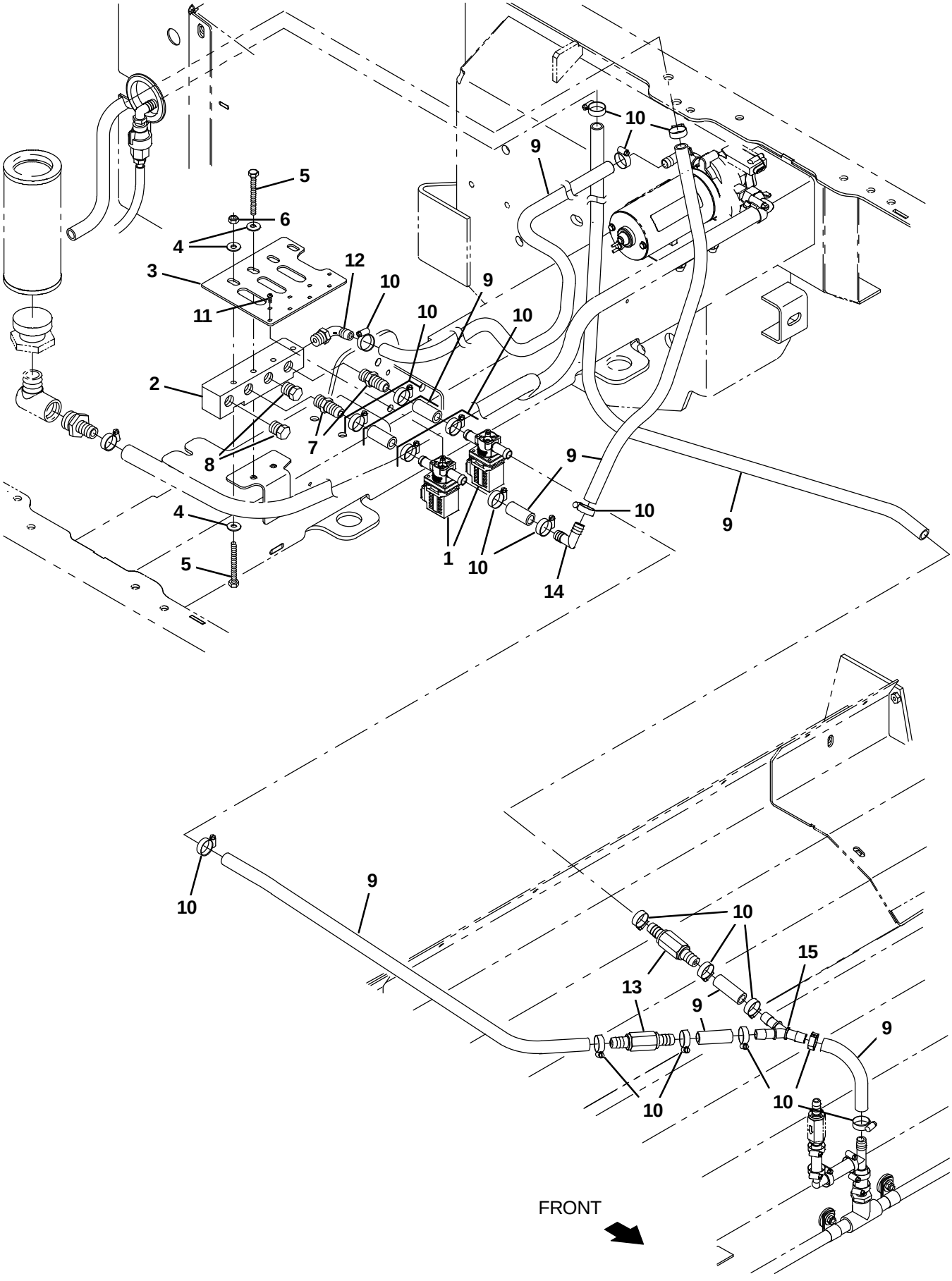


356043 – M30

Fig. 16 – ec–H20 Solution Supply Group (S/N 008000–010000)

Ref.	Part No.	Serial Number	Description	Qty.
1	63810	(008000–010000)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	2
2	1011837	(008000–010000)	Hose, Afmkt, Pvc, Brd, 0.50id, 12ft, Clr	1
3	54333	(008000–010000)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	5
4	1015486	(008000–010000)	Fitting, Plstc, Tee, Bm08/Bm10/Bm10, Br	1
5	1015032	(008000–010000)	Hose, Afmkt, Pvc, Brd, 0.62id, 08ft, Clr	1

Fig. 17 – ec–H20 Solution Supply Group (S/N 010001–)



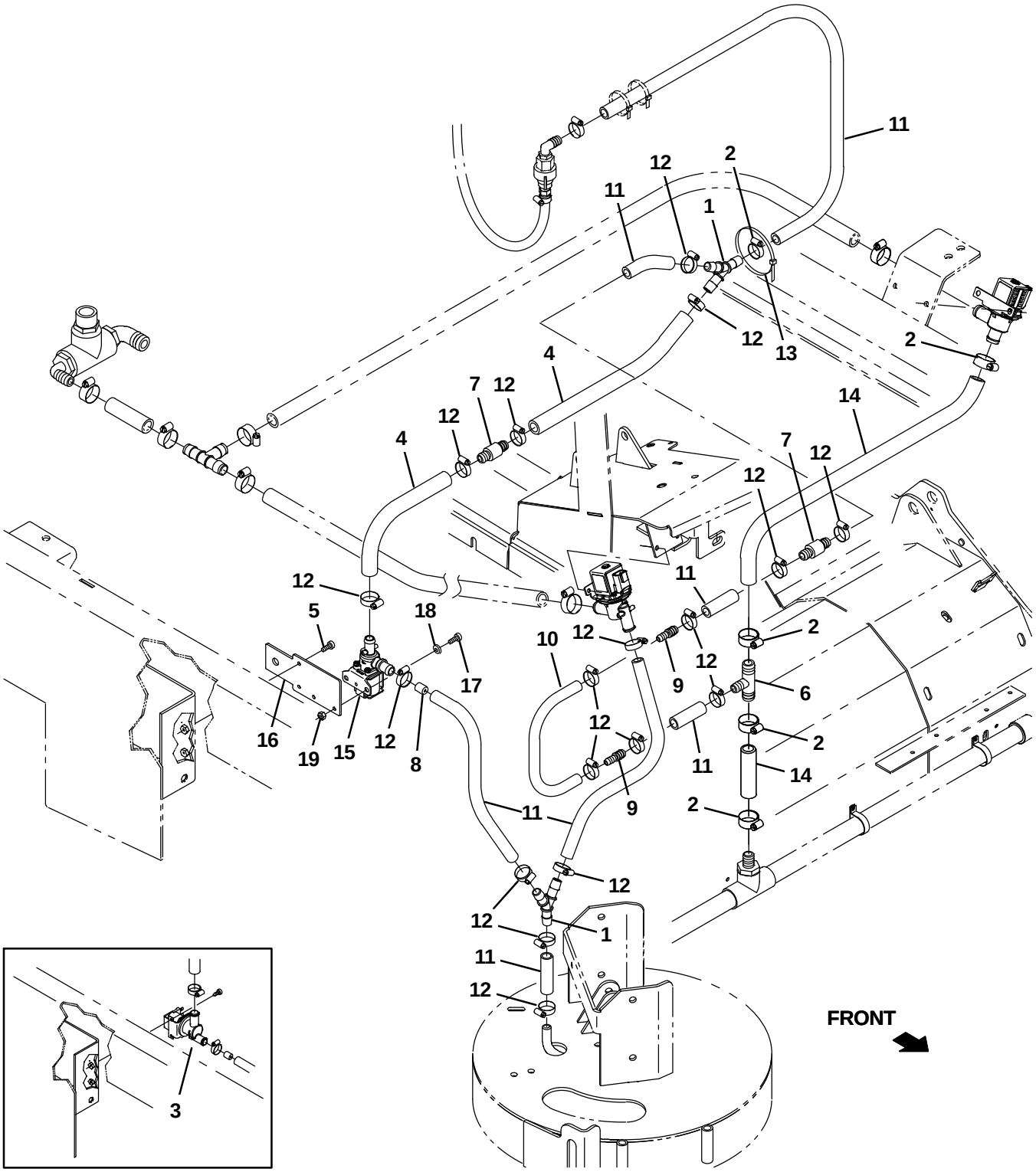
357121 – M30

Fig. 17 – ec–H20 Solution Supply Group (S/N 010001–)

Ref.	Part No.	Serial Number	Description	Qty.
1	1076870	(010001–)	Valve, Water, Solenoid [12vdc, Bm08/Bm08	2
2	1254833	(010001–)	Manifold, Soln	1
3	1254856	(010001–)	Plate, Manifold, Mtg	1
4	32490	(010001–)	Washer, Flat, 0.25, Std	6
5	1257800	(010001–)	Screw, Hex, M6 X 1.00 X 60, Ss, Fl	4
6	08712	(010001–)	Nut, Hex, Lock, M6 X 1.00, Nl, Ss	2
7	64743	(010001–)	Fitting, Plstc, Str, Bm08/Pm06	2
8	630146	(010001–)	Fitting, Plug, Pm06, Hdpe	2
9	1011835	(010001–)	Hose, Afmkt, Pvc, Brd, 0.50id, 20ft, Clr	1
10	54333	(010001–)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	20
11	1257563	(010001–)	Screw, Pan, Torx, 06–19 X 0.38, F/ Plstc	4
12	64778	(010001–)	Fitting, Plstc, E90, Bm08/Pm06	1
13	1251530	(010001–)	Valve, Check, 1.0psi, Bm08/Bm08	2
14	63987–1	(010001–)	Fitting, Plstc, E90, Bm08/Bm08	1
15	1010668	(010001–)	Fitting, Plstc, Y, Bm08/Bm08/Bm08, Nyl	1

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Fig. 18 – ec–H20 Solution Supply Group with Side Brush (S/N 008000–010000)

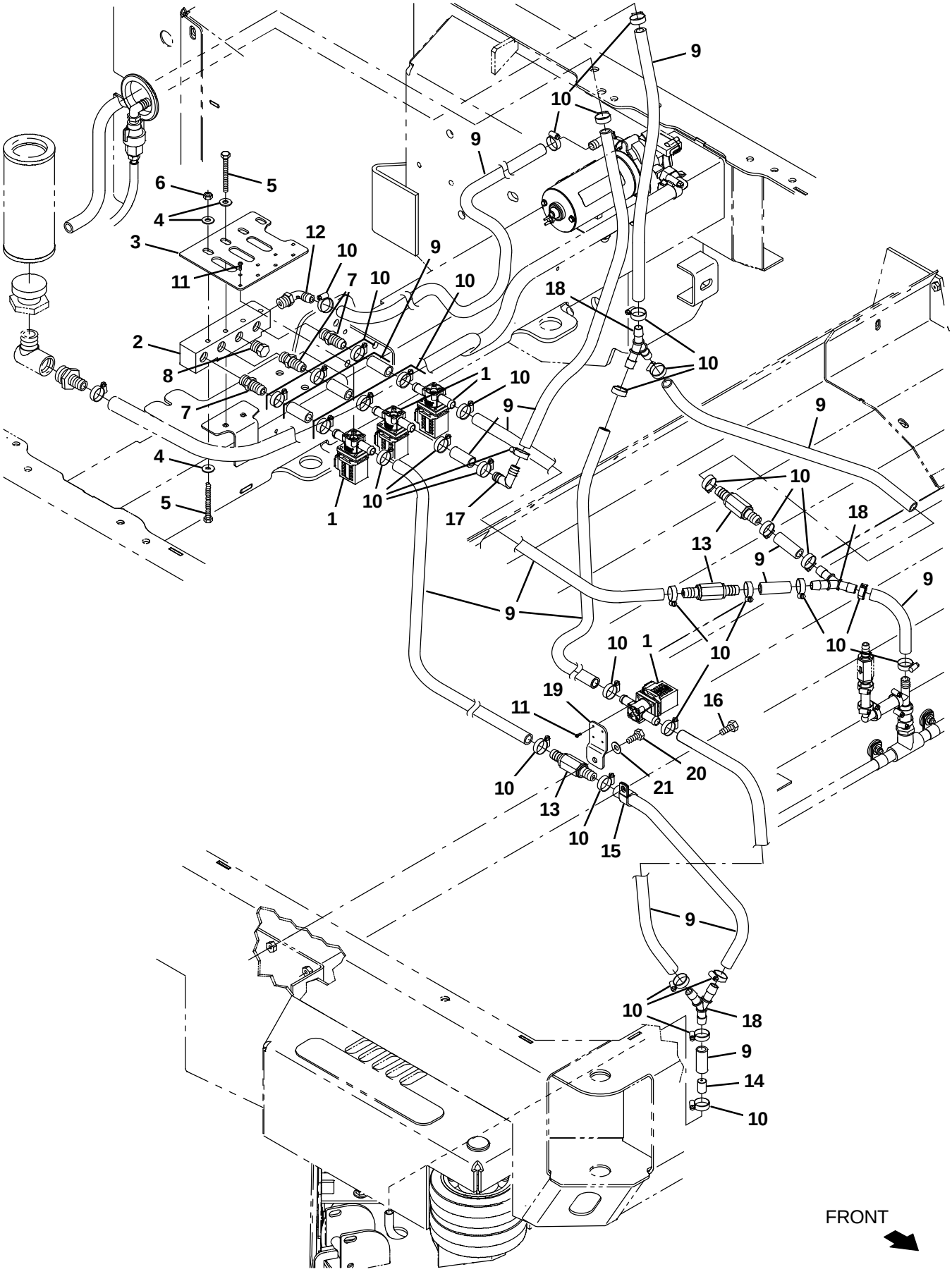


356044 – M30

Fig. 18 – ec–H20 Solution Supply Group with Side Brush (S/N 008000–010000)

Ref.	Part No.	Serial Number	Description	Qty.
1	1010668	(008000–010000)	Fitting, Plstc, Y, Bm08/Bm08/Bm08, Nyl	1
2	63810	(008000–010000)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	4
3	1037825	(008000–009199)	Valve Assy, Water, Solenoid, 12vdc	1
4	31543	(008000–010000)	Hose, Heater, E90, 0.62id, 24.0 4.0	1
5	24196	(008000–010000)	Screw, Pan, Phl, M5 X 0.80 X 20, Ss	2
6	1015486	(008000–010000)	Fitting, Plstc, Tee, Bm08/Bm10/Bm10, Br	1
7	1010614	(008000–010000)	Valve, Check, 2gpm .5psi Bm08/Bm08	2
8	1061045	(008000–010000)	Plug, Restrictor	1
9	222375	(008000–010000)	Fitting, Plstc, Str, Bm06/Bm08	2
10	1014974	(008000–010000)	Hose, Afmkt, Pvc, Brd, 0.38id, 02ft, Clr	1
11	1011412	(008000–010000)	Hose, Afmkt, Pvc, Brd, 0.50id, 08ft, Clr	1
12	54333	(008000–010000)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	18
13	763115	(008000–010000)	Tie, Cable, 6.0l, 1.25d Max	1
14	1015026	(008000–010000)	Hose, Afmkt, Pvc, Brd, 0.62id, 03ft, Clr	1
15	1076824	(009200–010000)	Valve Assy, Water, Solenoid, 12vdc	1
16	1076793	(009200–010000)	Plate, Mtg, Valve	1
17	24196	(009200–010000)	Screw, Pan, Phl, M5 X 0.80 X 20, Ss	2
18	01683	(009200–010000)	Washer, Flat, 10, Ss	2
19	09739	(009200–010000)	Nut, Hex, Lock, M5 X 0.80, Nl, Ss	2

Fig. 19 – ec–H20 Solution Supply Group with Side Brush (S/N 010001–)



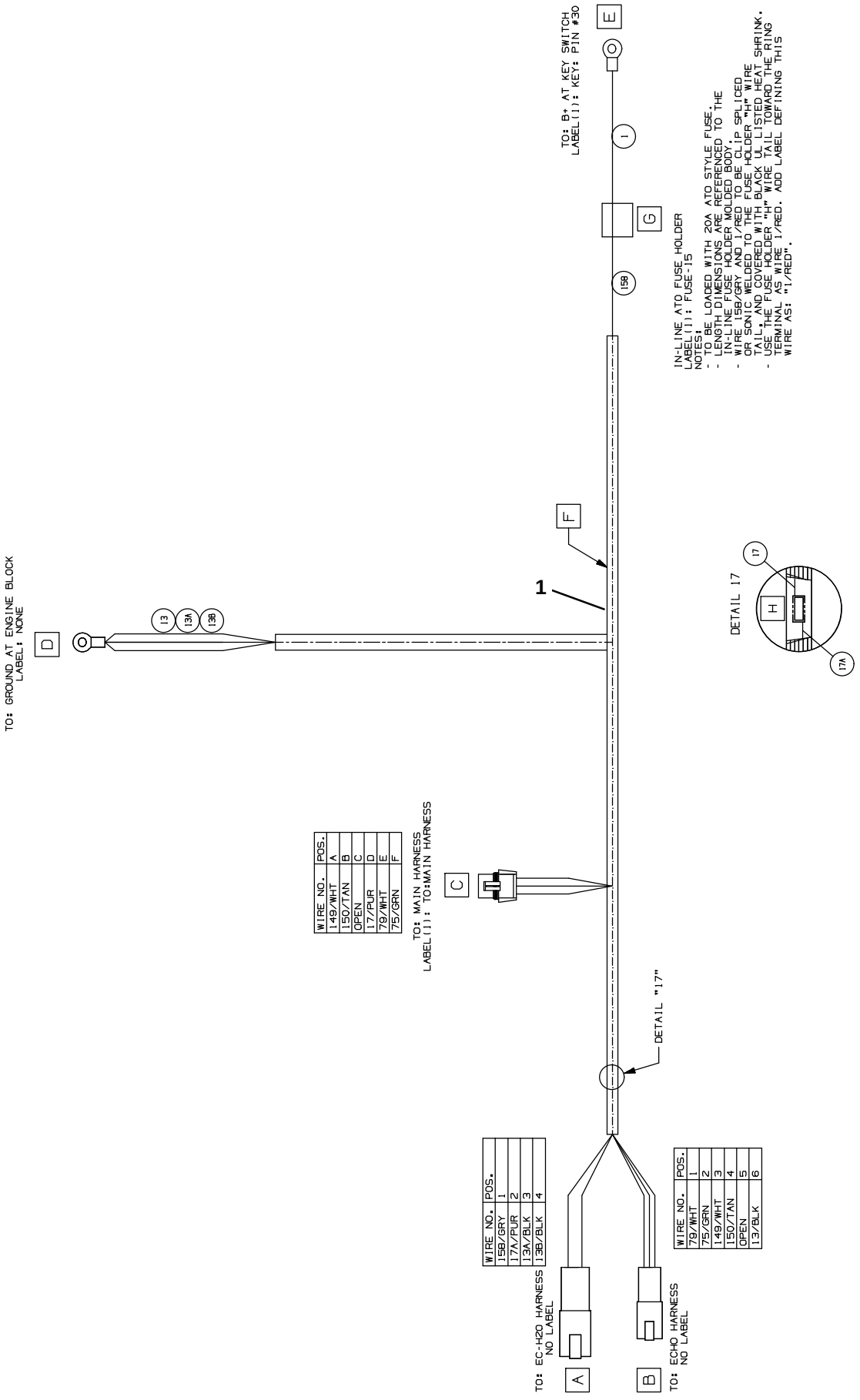
357120 – M30

Fig. 19 – ec–H20 Solution Supply Group with Side Brush (S/N 010001–)

Ref.	Part No.	Serial Number	Description	Qty.
1	1076870	(010001–)	Valve, Water, Solenoid [12vdc, Bm08/Bm08	4
2	1254833	(010001–)	Manifold, Soln	1
3	1254856	(010001–)	Plate, Manifold, Mtg	1
4	32490	(010001–)	Washer, Flat, 0.25, Std	6
5	1257800	(010001–)	Screw, Hex, M6 X 1.00 X 60, Ss, Fl	4
6	08712	(010001–)	Nut, Hex, Lock, M6 X 1.00, Nl, Ss	2
7	64743	(010001–)	Fitting, Plstc, Str, Bm08/Pm06	3
8	630146	(010001–)	Fitting, Plug, Pm06, Hdpe	1
9	1011835	(010001–)	Hose, Afmkt, Pvc, Brd, 0.50id, 20ft, Clr	2
10	54333	(010001–)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	34
11	1257563	(010001–)	Screw, Pan, Torx, 06–19 X 0.38, F/ Plstc	8
12	64778	(010001–)	Fitting, Plstc, E90, Bm08/Pm06	1
13	1251530	(010001–)	Valve, Check, 1.0psi, Bm08/Bm08	2
14	1256639	(010001–)	Fitting, Plastic, Rst, 3.00mm	1
15	67767	(010001–)	Clamp, Cable, Stl, 0.69d X 0.62w, 1hole	1
16	12273	(010001–)	Screw, Hex, M8 X 1.25 X 20, Nl, Ss	1
17	63987–1	(010001–)	Fitting, Plstc, E90, Bm08/Bm08	1
18	1010668	(010001–)	Fitting, Plstc, Y, Bm08/Bm08/Bm08, Nyl	3
19	1256174	(010001–)	Bracket, Solenoid, Ech2o	1
20	09740	(010001–)	Screw, Hex, M8 X 1.25 X 20, Ss	1
21	01685	(010001–)	Washer, Flat, 0.38 0.88 .08, Ss	1

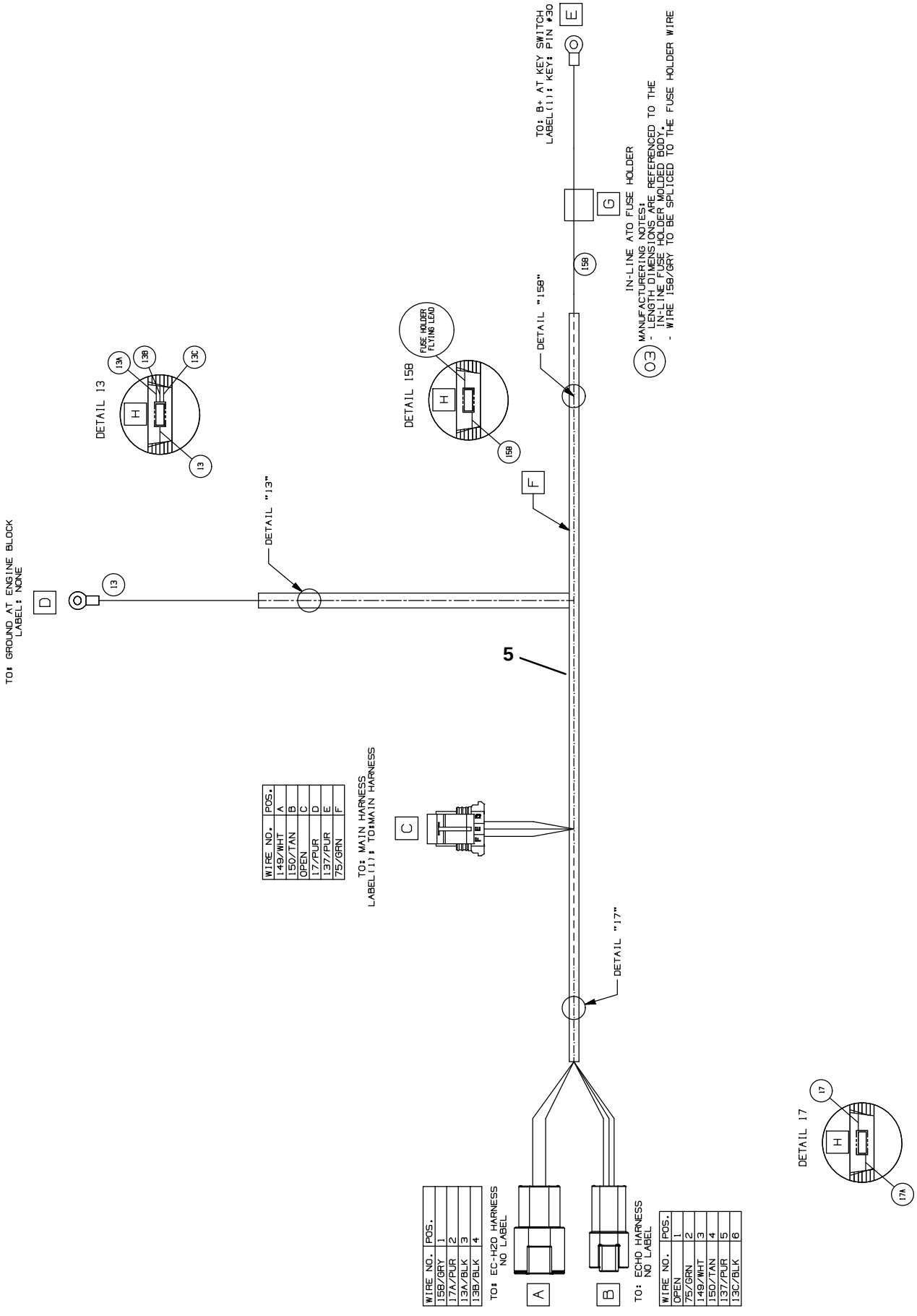
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Fig. 20 – ec–H20 Wire Harnesses Group



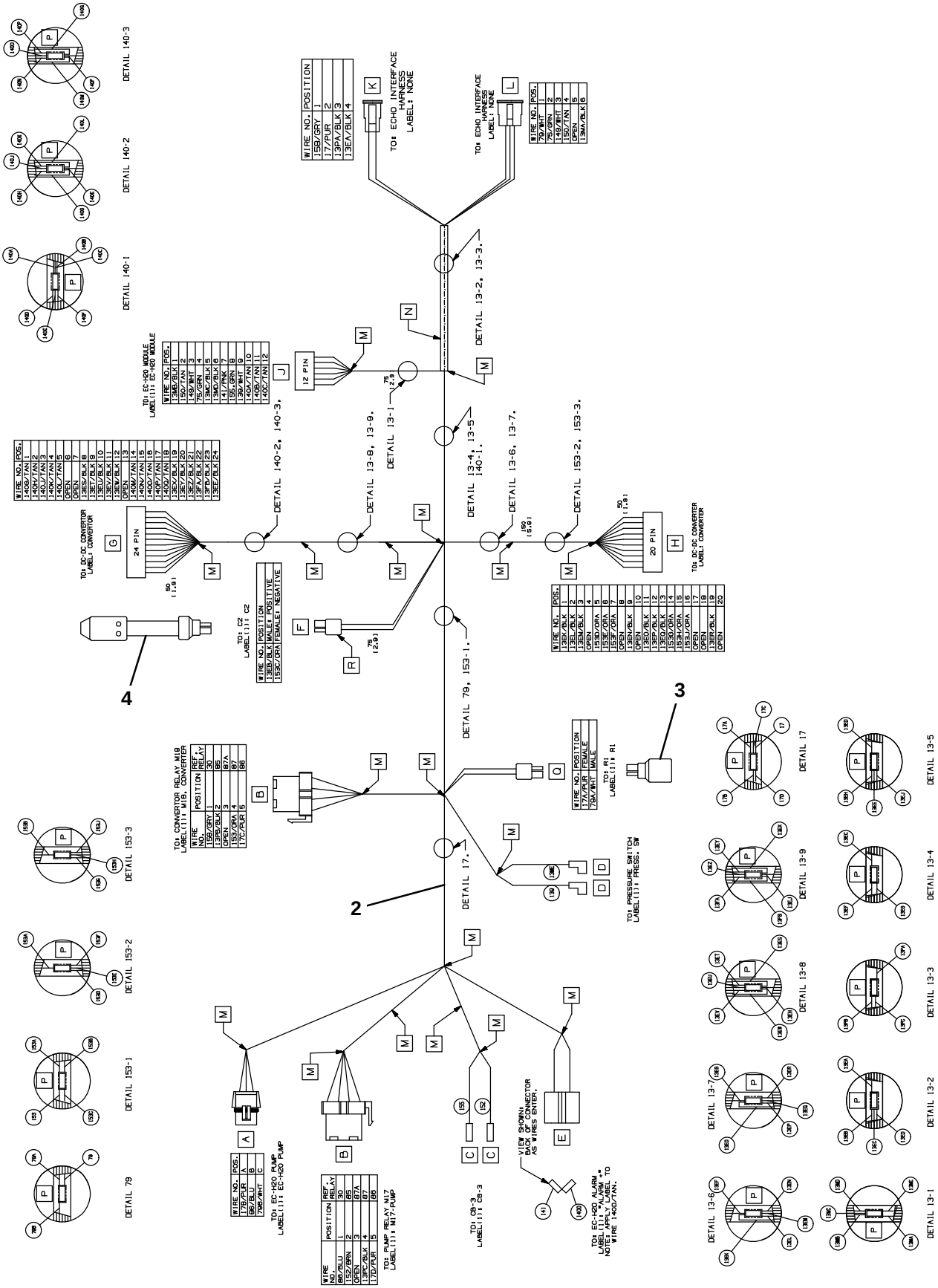
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Fig. 20 – ec–H20 Wire Harnesses Group



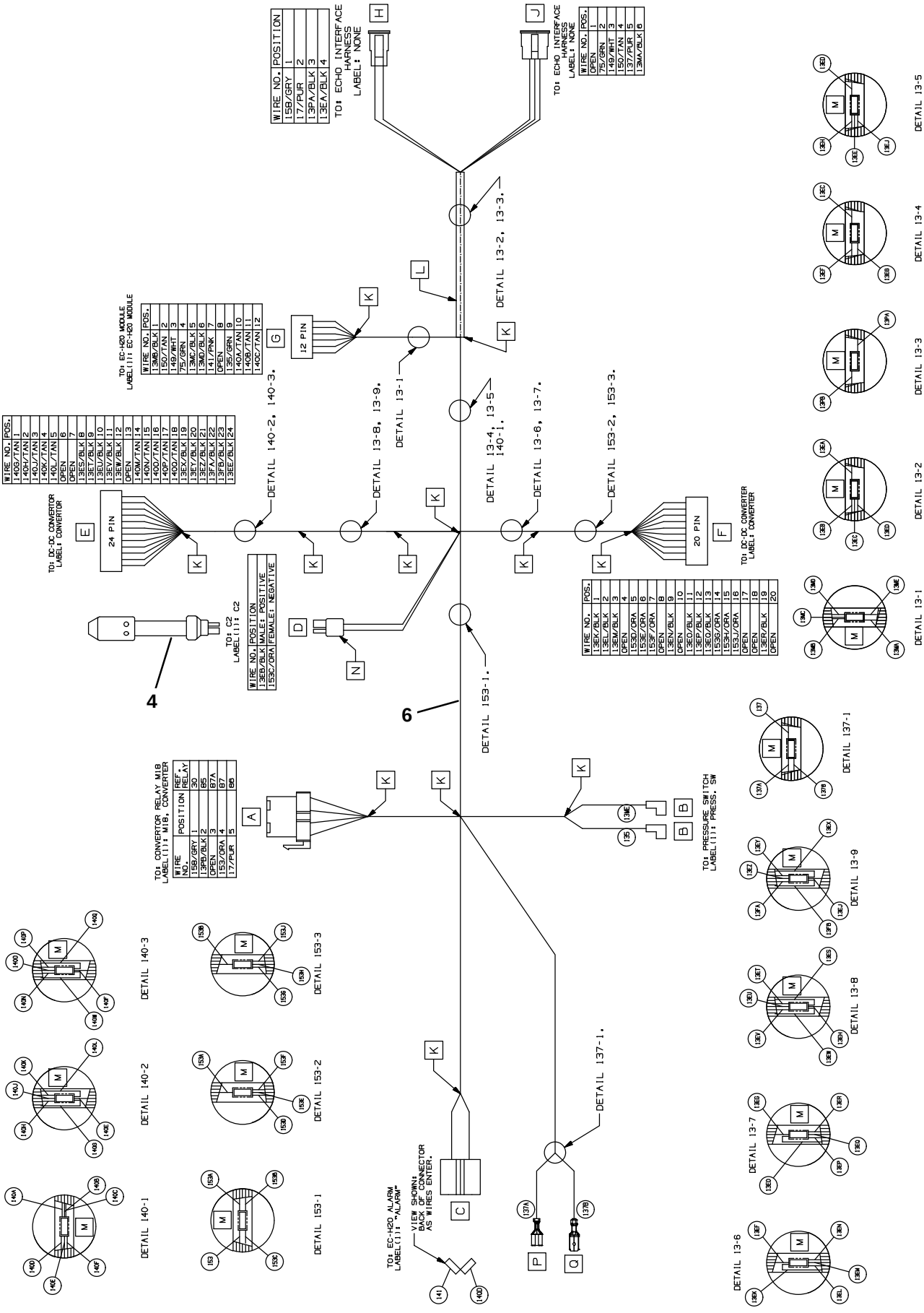
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Fig. 20 – ec–H20 Wire Harnesses Group



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Fig. 20 – ec–H20 Wire Harnesses Group



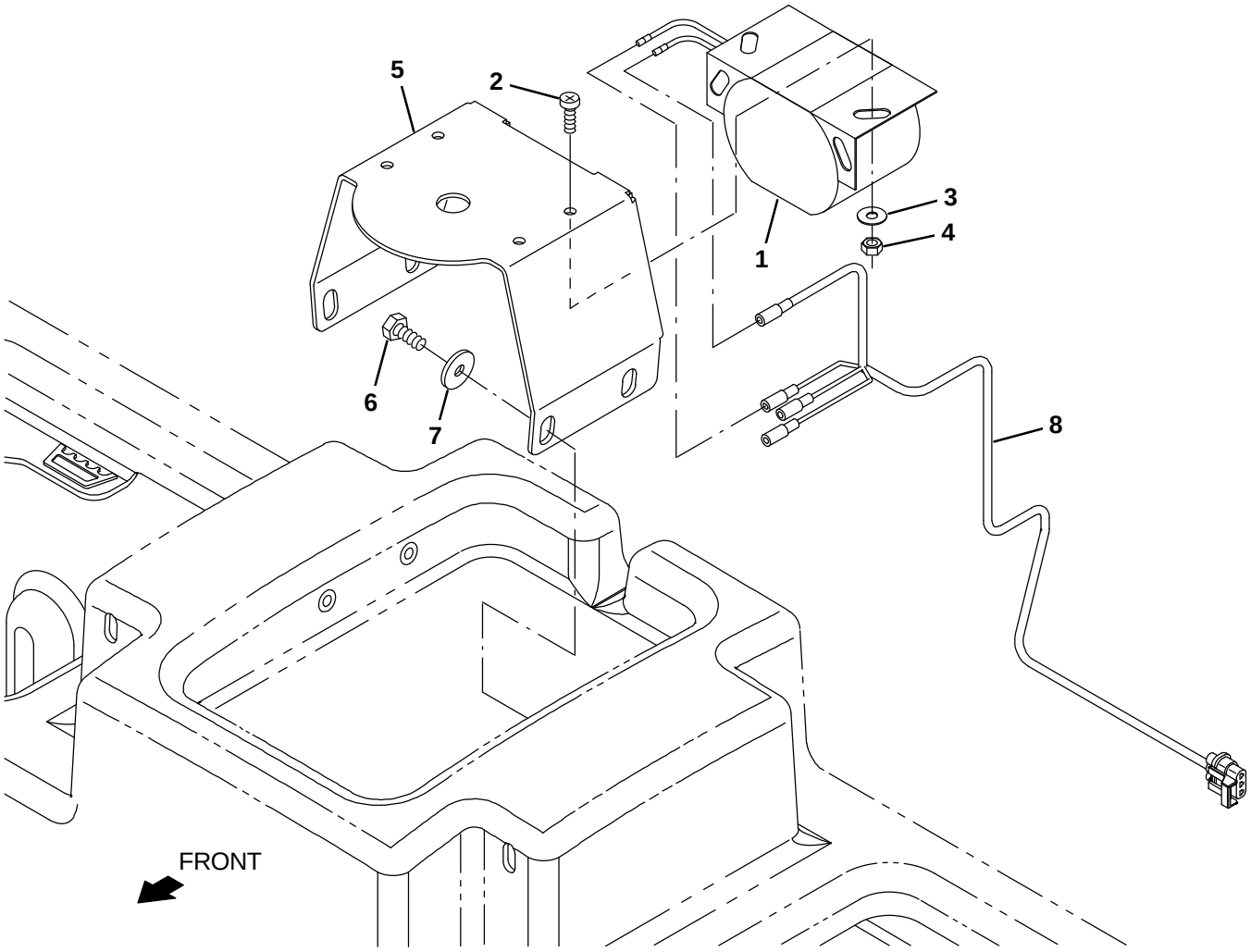
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356036

Fig. 20 – ec–H20 Wire Harnesses Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1075140	(008000–010000)	Harness, Ele [Ech2o, Interface]	1
2	1060871	(008000–010000)	Harness, Wire [Ec–H2o]	1
3	1060880	(008000–)	Resistor, Ele, Plug [430 , 2w]	1
4	1060881	(008000–)	Capacitor, Plug [4700uf, 25v]	1
5	1076976	(010001–)	Harness, Ele [Ech2o, Interface]	1
6	1076937	(010001–)	Harness, Wire [Ec–H2o]	1

Fig. 21 – Backup Alarm Kit

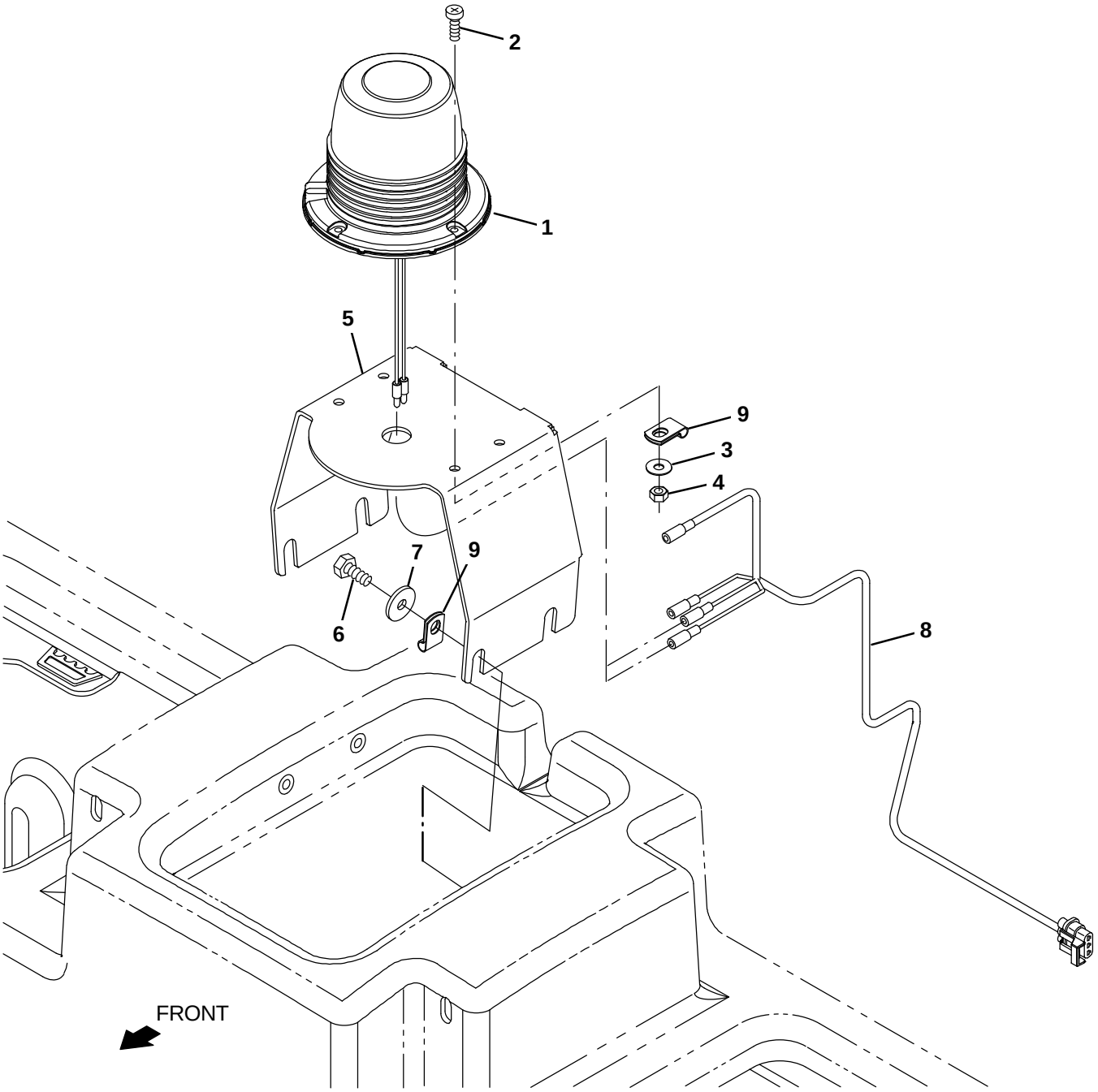


354473

	Ref.	Part No.	Serial Number	Description	Qty.
▽		9001321	(008000–)	Alarm Kit, Backup, Ci [M20 And T20]	1
▲	1	9007131	(008000–)	Alarm Assy, Backup, 12/48Vdc	1
▲	2	24196	(008000–)	Screw, Pan, Phl, M5 X 0.80 X 20, Ss	2
▲	3	19066	(008000–)	Washer, Flat, 10	2
▲	4	09739	(008000–)	Nut, Hex, Lock, M5 X 0.80, Nl, Ss	2
▲	5	1019445	(008000–)	Bracket, Sppt, Strobe Light	1
▲	6	09740	(008000–)	Screw, Hex, M8 X 1.25 X 20, Ss	4
▲	7	1017218	(008000–)	Washer, Flat, 0.32b 1.00d .12, Ss	4
▲	8	1019971	(008000–)	Harness, Warning / Backup [M20 & T20]	1

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Fig. 22 – Light Kit, Flashing

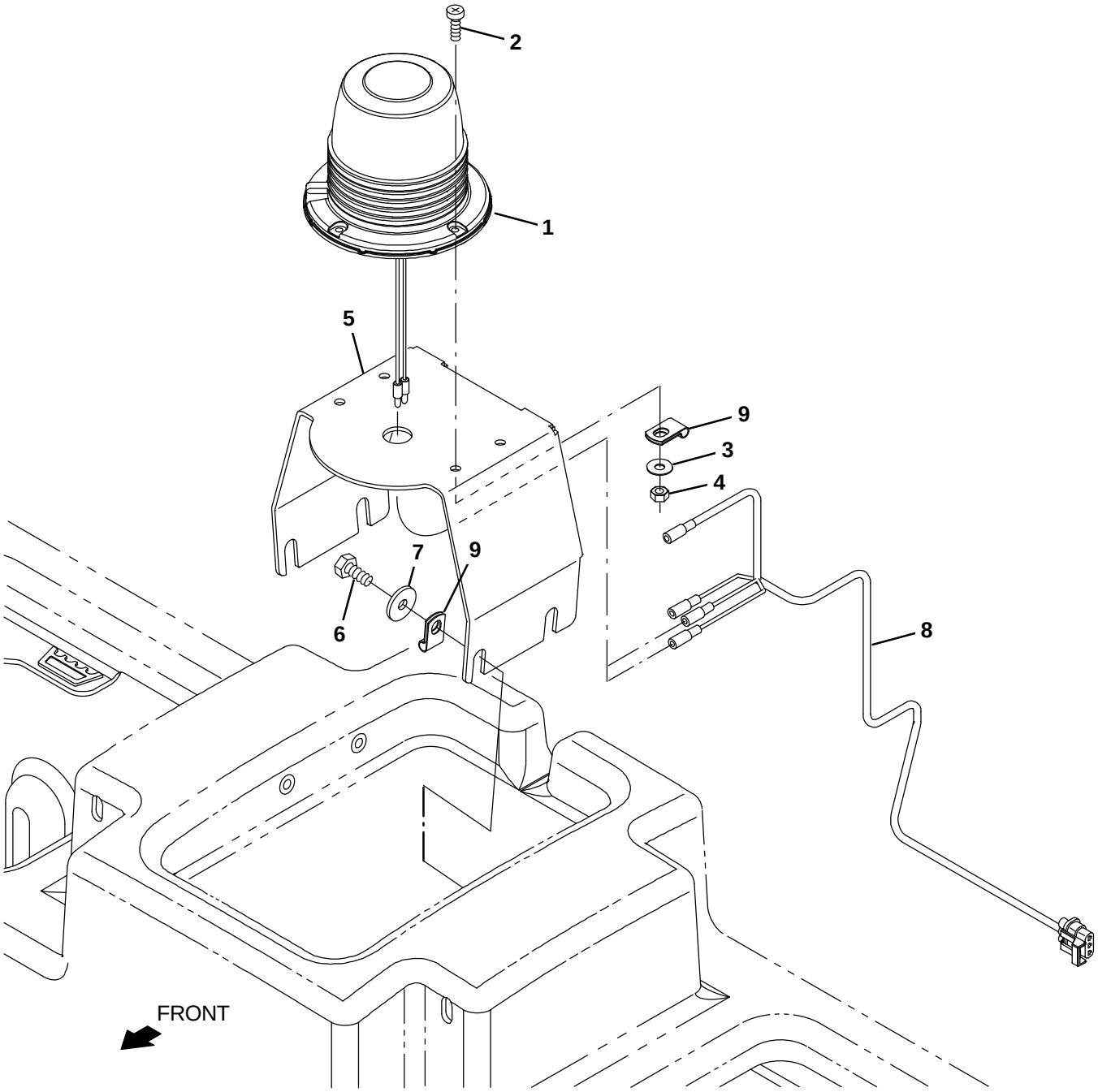


354475

	Ref.	Part No.	Serial Number	Description	Qty.
▽		9001327	(008000–)	Light Kit, Flsh, Ci [M20 And T20]	1
▲	1	1262183	(008000–)	Light, Flashing, Amb, Led	1
▲		383820	(008000–)	Terminal, Bullet, Mal, .156d, 22–18ga	2
▲	2	24196	(008000–)	Screw, Pan, Phl, M5 X 0.80 X 20, Ss	2
▲	3	19066	(008000–)	Washer, Flat, 10	2
▲	4	09739	(008000–)	Nut, Hex, Lock, M5 X 0.80, Nl, Ss	2
▲	5	1019445	(008000–)	Bracket, Sppt, Strobe Light	1
▲	6	09740	(008000–)	Screw, Hex, M8 X 1.25 X 20, Ss	4
▲	7	1017218	(008000–)	Washer, Flat, 0.32b 1.00d .12, Ss	4
▲	8	1019971	(008000–)	Harness, Warning / Backup [M20 & T20]	1
▲	9	46236	(008000–)	Clamp, Cable, Stl, 0.25D X 0.56W, 1Hole	2

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Fig. 23 – Light Kit, Strobe

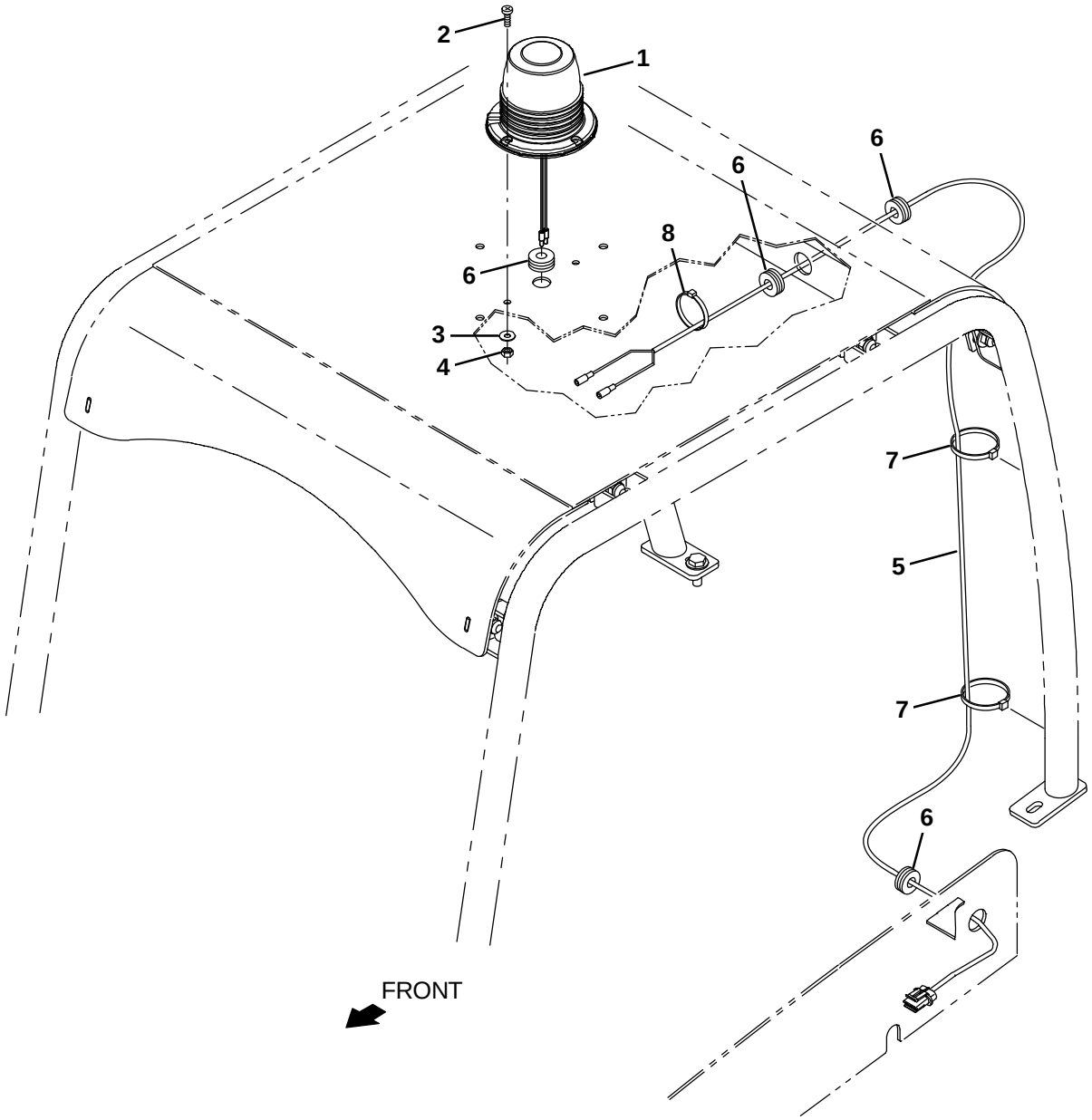


354475

	Ref.	Part No.	Serial Number	Description	Qty.
▽		9001331	(008000–)	Light Kit, Strobe, Ci [M20 And T20]	1
▲	1	1262183	(008000–)	Light, Flashing, Amb, Led	1
▲		383820	(008000–)	Terminal, Bullet, Mal, .156d, 22–18ga	2
▲	2	24196	(008000–)	Screw, Pan, Phl, M5 X 0.80 X 20, Ss	2
▲	3	19066	(008000–)	Washer, Flat, 10	2
▲	4	09739	(008000–)	Nut, Hex, Lock, M5 X 0.80, Nl, Ss	2
▲	5	1019445	(008000–)	Bracket, Sppt, Strobe Light	1
▲	6	09740	(008000–)	Screw, Hex, M8 X 1.25 X 20, Ss	4
▲	7	1017218	(008000–)	Washer, Flat, 0.32b 1.00d .12, Ss	4
▲	8	1019971	(008000–)	Harness, Warning / Backup [M20 & T20]	1
▲	9	46236	(008000–)	Clamp, Cable, Stl, 0.25D X 0.56W, 1Hole	2

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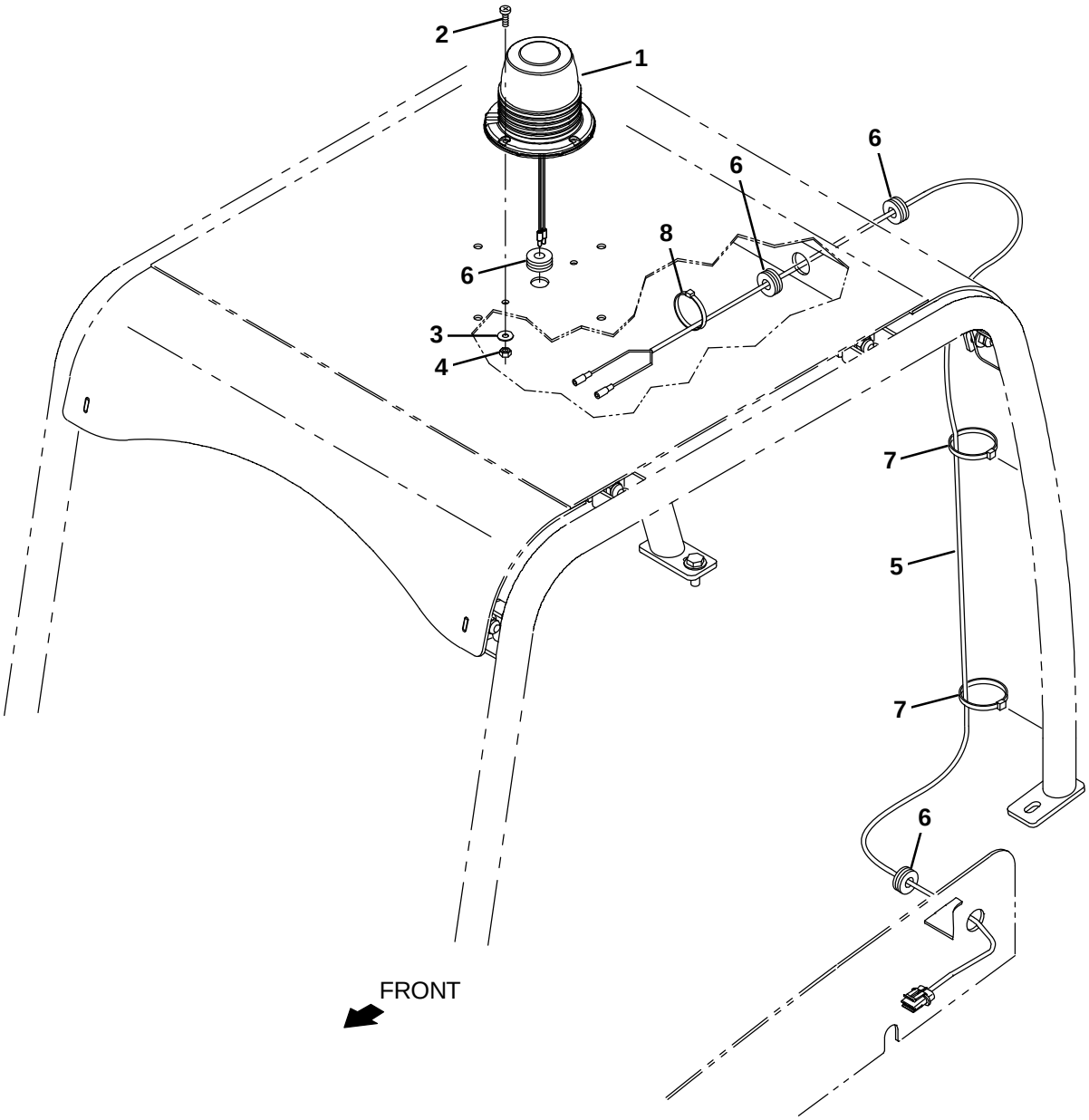
Fig. 24 – Light Kit, Flashing Overhead Guard



354477

	Ref.	Part No.	Serial Number	Description	Qty.
▽		9001718	(008000–)	Light Kit, Flsh, W/Ohg, Ci[M20 And T20]	1
▲	1	1262183	(008000–)	Light, Flashing, Amb, Led	1
▲		383820	(008000–)	Terminal, Bullet, Mal, .156d, 22–18ga	2
▲	2	24196	(008000–)	Screw, Pan, Phl, M5 X 0.80 X 20, Ss	2
▲	3	19066	(008000–)	Washer, Flat, 10	2
▲	4	09739	(008000–)	Nut, Hex, Lock, M5 X 0.80, Nl, Ss	2
▲	5	1019647	(008000–)	Harness, Warning / Ohg [M20]	1
▲	6	10632–17	(008000–)	Grommet, Rbr, 0.50id, F/0.8h, .12 Matl	4
▲	7	763115	(008000–)	Tie, Cable, 6.0l, 1.25d Max	4
▲	8	49266	(008000–)	Tie, Cable, Nyl, 07.3l .19w 1.8 Max D	2

Fig. 25 – Light Kit, Strobe Overhead Guard

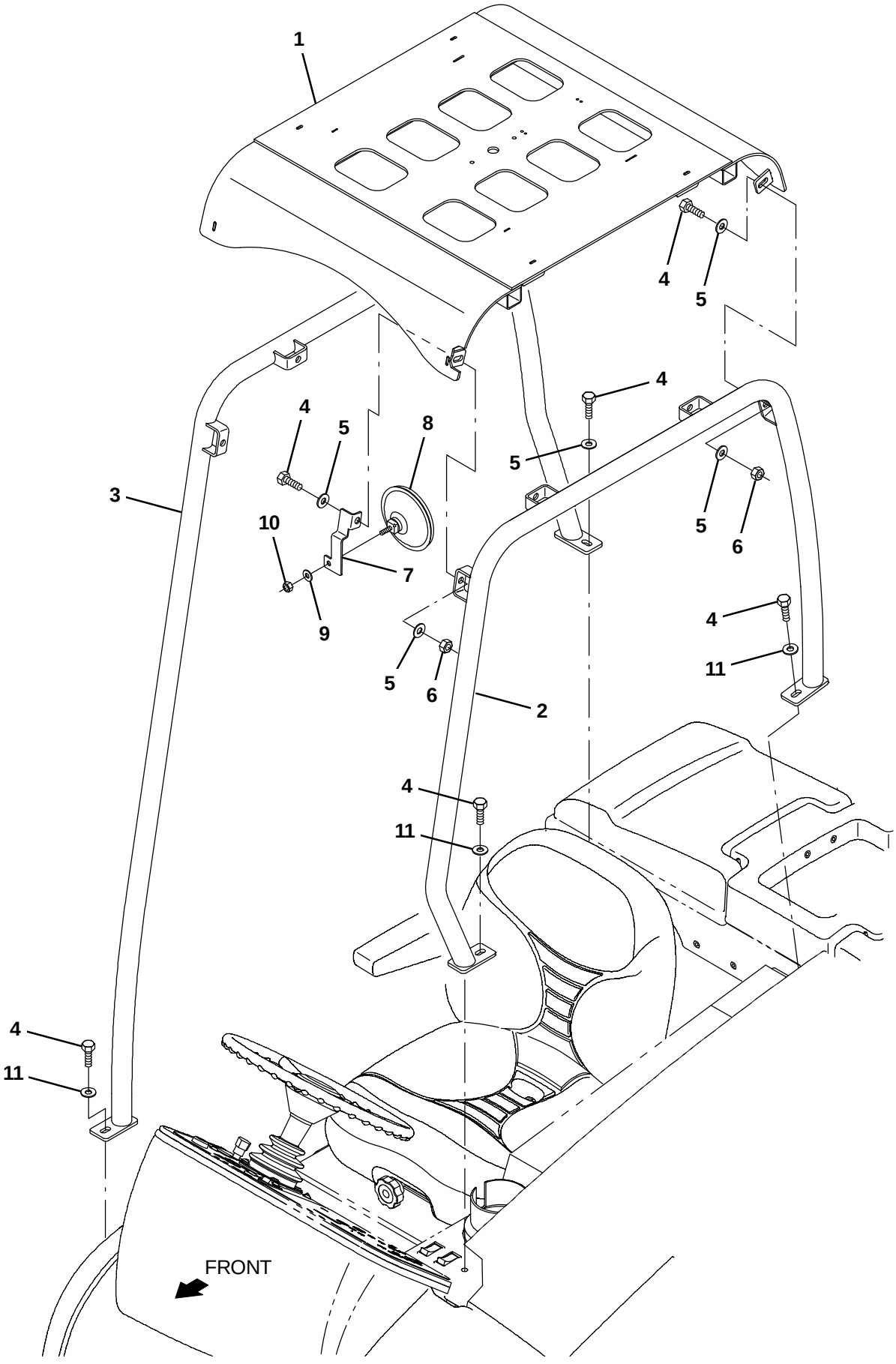


354477

	Ref.	Part No.	Serial Number		Description	Qty.
▽		9001717	(008000–	)	Light Kit, Strobe, W/Ohg, Ci [M20 And T20]	1
▲	1	1262183	(008000–	)	Light, Flashing, Amb, Led	1
▲		383820	(008000–	)	Terminal, Bullet, Mal, .156d, 22–18ga	2
▲	2	24196	(008000–	)	Screw, Pan, Phl, M5 X 0.80 X 20, Ss	2
▲	3	19066	(008000–	)	Washer, Flat, 10	2
▲	4	09739	(008000–	)	Nut, Hex, Lock, M5 X 0.80, Nl, Ss	2
▲	5	1019647	(008000–	)	Harness, Warning / Ohg [M20]	1
▲	6	10632–17	(008000–	)	Grommet, Rbr, 0.50id, F/0.8h, .12 Matl	4
▲	7	763115	(008000–	)	Tie, Cable, 6.0l, 1.25d Max	4
▲	8	49266	(008000–	)	Tie, Cable, Nyl, 07.3l .19w 1.8 Max D	2

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Fig. 26 – Overhead Guard Kit



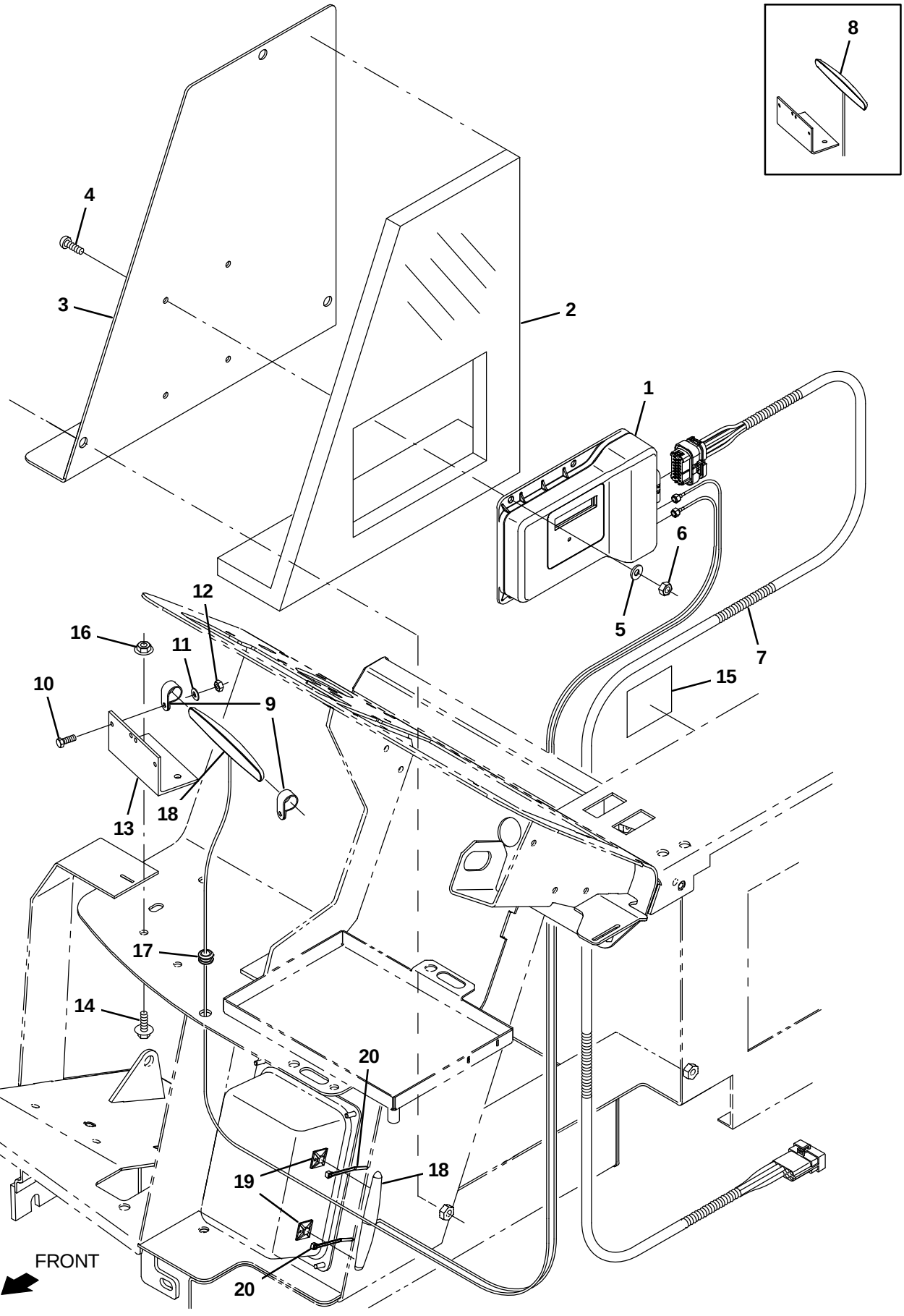
354478

Fig. 26 – Overhead Guard Kit

	Ref.	Part No.	Serial Number	Description	Qty.
▽		9001314	(008000–)	Ohg Kit, Ci [M20 And T20]	1
▲	1	1022276	(008000–)	Guard Wldt, Top, Ohg	1
▲	2	1069241	(008000–)	Tube Wldt, Leg, Ohg, Lh, Pntd	1
▲	3	1069253	(008000–)	Tube Wldt, Leg, Ohg, Rh, Pntd	1
▲	4	03192	(008000–)	Screw, Hex, M10 X 1.5 X 30, 8.8	12
▲	5	32492	(008000–)	Washer, Flat, 0.38 Std	17
▲	6	41430	(008000–)	Nut, Hex, Lock, M10 X 1.5, Nl	8
▲	7	1023879	(008000–)	Bracket, Mtg, Mirror, Rearview	1
▲	8	1050295	(008000–)	Mirror, Convex, 0.50D	1
▲	9	32491	(008000–)	Washer, Flat, 0.31, Std	1
▲	10	19313	(008000–)	Nut, Hex, Std, .31–18	1
▲	11	1014563	(008000–)	Washer, Flat, 0.40b 1.12d .12, Ss	3

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Fig. 27 – Telemetry Group (S/N 008000–013110)



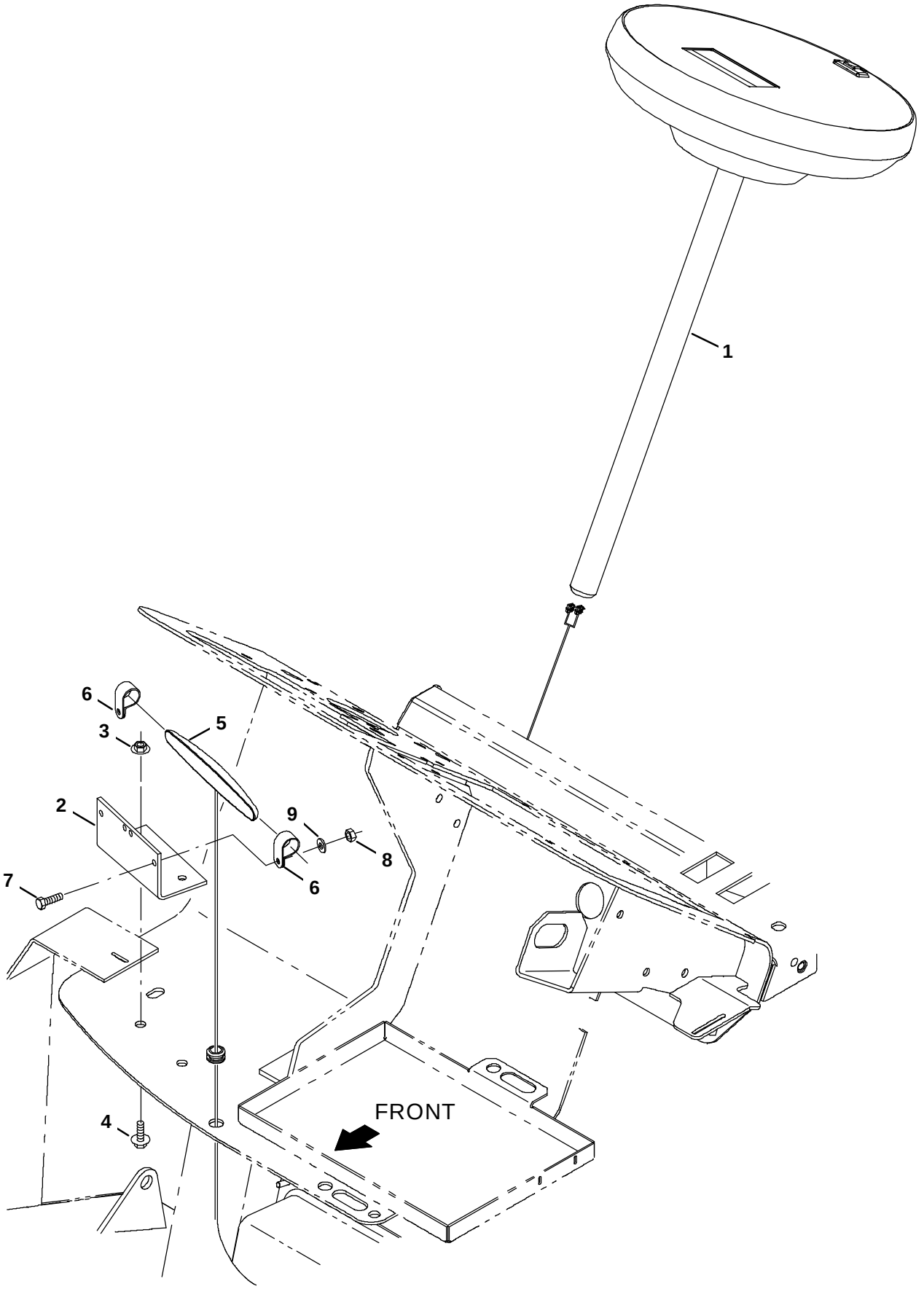
356267 – M30

Fig. 27 – Telemetry Group (S/N 008000–013110)

Ref.	Part No.	Serial Number	Description	Qty.
1	4011098	(008000–013110)	Control Box Assy Kit, Replmt, Telem [USA] (Repl by 4019019 Std or 4019020 Pro)	1
1	4011099	(008000–013110)	Control Box Assy Kit, Replmt, Telem [INTL] (Repl by 4019019 Std or 4019020 Pro)	1
2	4030486	(008000–013110)	Bracket, Spacer, Controlbox	1
3	4041970	(008000–013110)	Screw,Hex, M5 X 0.80 X 29, 8.8	4
4	4042888	(008000–013110)	Washer, Flat, 10, Ss	4
5	4030314	(008000–013110)	Angle, mtg, Antenna, Telem	1
6	4030328	(008000–011777)	Antenna, Telem, 70 In [Gprs]	1
7	4044164	(008000–013110)	Clamp, Cable, Nyl, 0.62D, Nat	2
8	4041969	(008000–013110)	Screw, Hex, M5 X 0.80 X 16, 8.8	2
9	4041004	(008000–013110)	Nut, Hex, Lock, M5 X 0.80, Nl	2
10	4042244	(008000–013110)	Washer, Flat, 0.25b 0.56d .05, Pl, 10	2
11	4044400	(008000–013110)	Screw, Hex, H6 X 1.00 X 20, 9.8, Sems	2
12	4011908	(011778–013110)	Mount, Cable Tie	2
13	4041604	(008000–013110)	Nut, Hex, Flng, M6 X 1.00	2
14	4031956	(008000–013110)	Grommet, Rbr, 0.38id, F/0.5H, .12 Matl	1
15	4030121	(008000–013110)	Label, Opertnl, Telem [Fcc/Ic]	1
16	4044978	(008000–013110)	Harness, Ele [Telem]	1
17	4217709	(011778–013110)	Antenna, Telem [4g, 180”]	2
18	4028714	(011778–013110)	Tie, Cable, 11.3l, 2.75d Max	2

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Fig. 28 – Telemetry Group Kit, Std (S/N 013110–)



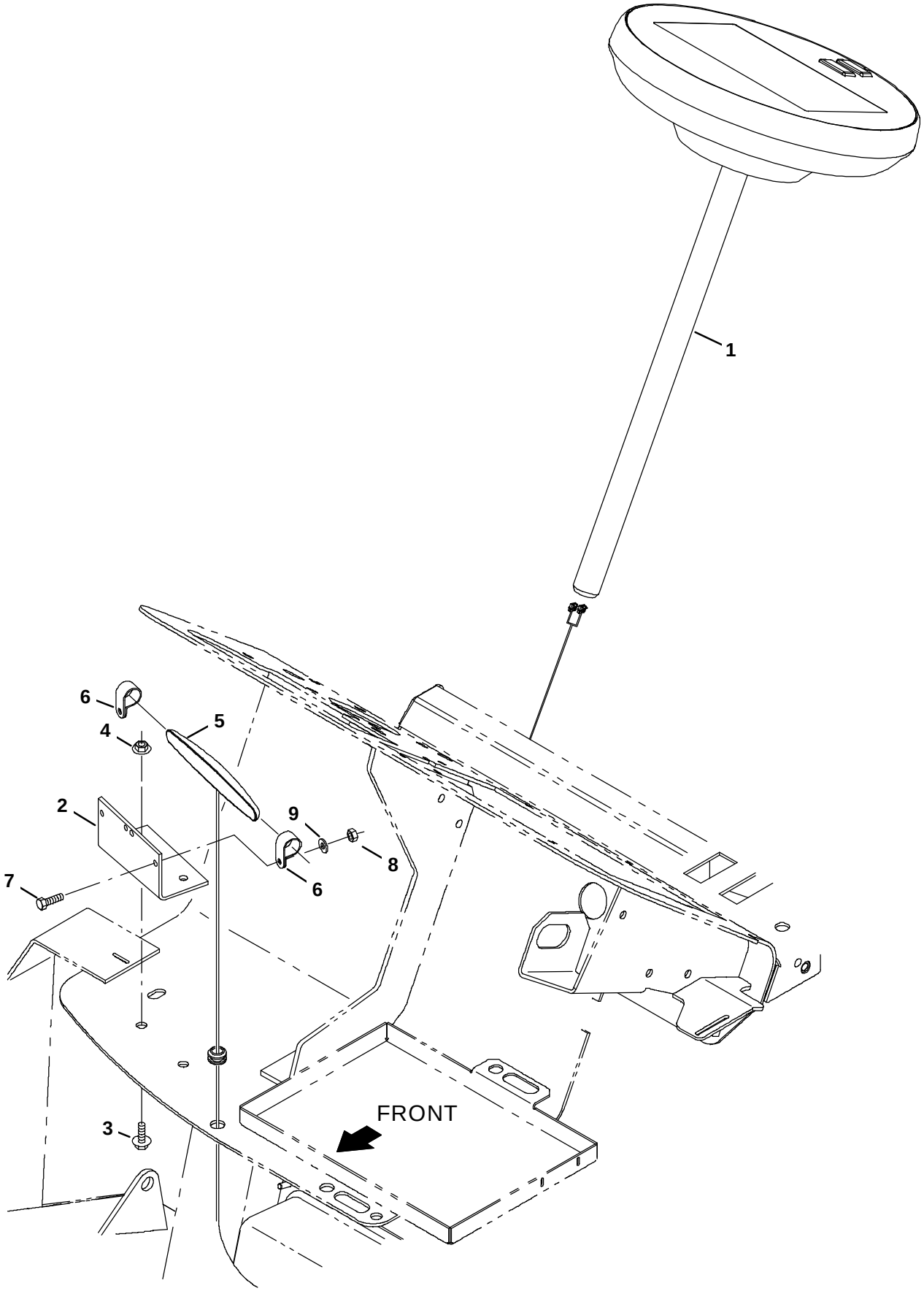
357287 – NA

Fig. 28 – Telemetry Group Kit, Std (S/N 013110–)

	Ref.	Part No.	Serial Number	Description	Qty.
▽	1	4018562	(013110–)	Panel Kit, POD Teleml, CI [M20/M30, STD]	1
▲	2	4030314	(013110–)	Angle, Mtg, Antenna, Telem	1
▲	3	4041604	(013110–)	Nut, Hex, Flng, M6 X 1.00	2
▲	4	4044400	(013110–)	Screw, Hex, H6 X 1.00 X 20, 9.8, Sems	2
▲	5	12457569	(013110–)	Antenna, Telem [4G, 36”]	1
▲	6	4044164	(013110–)	Clamp, Cable, Nyl, 0.62D, Nat	2
▲	7	4041969	(013110–)	Screw, Hex, M5 X 0.80 X 16, 8.8	2
▲	8	4041004	(013110–)	Nut, Hex, Lock, M5 X 0.80, Nl	2
▲	9	4042244	(013110–)	Washer, Flat, 0.25b 0.56d .05, Pl, 10	2
▲		4032434	(013110–)	Label, Mach, Telem [BG95/BG96]	1

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Fig. 29 – Telemetry Group Kit, Pro–Panel (S/N 013110–)

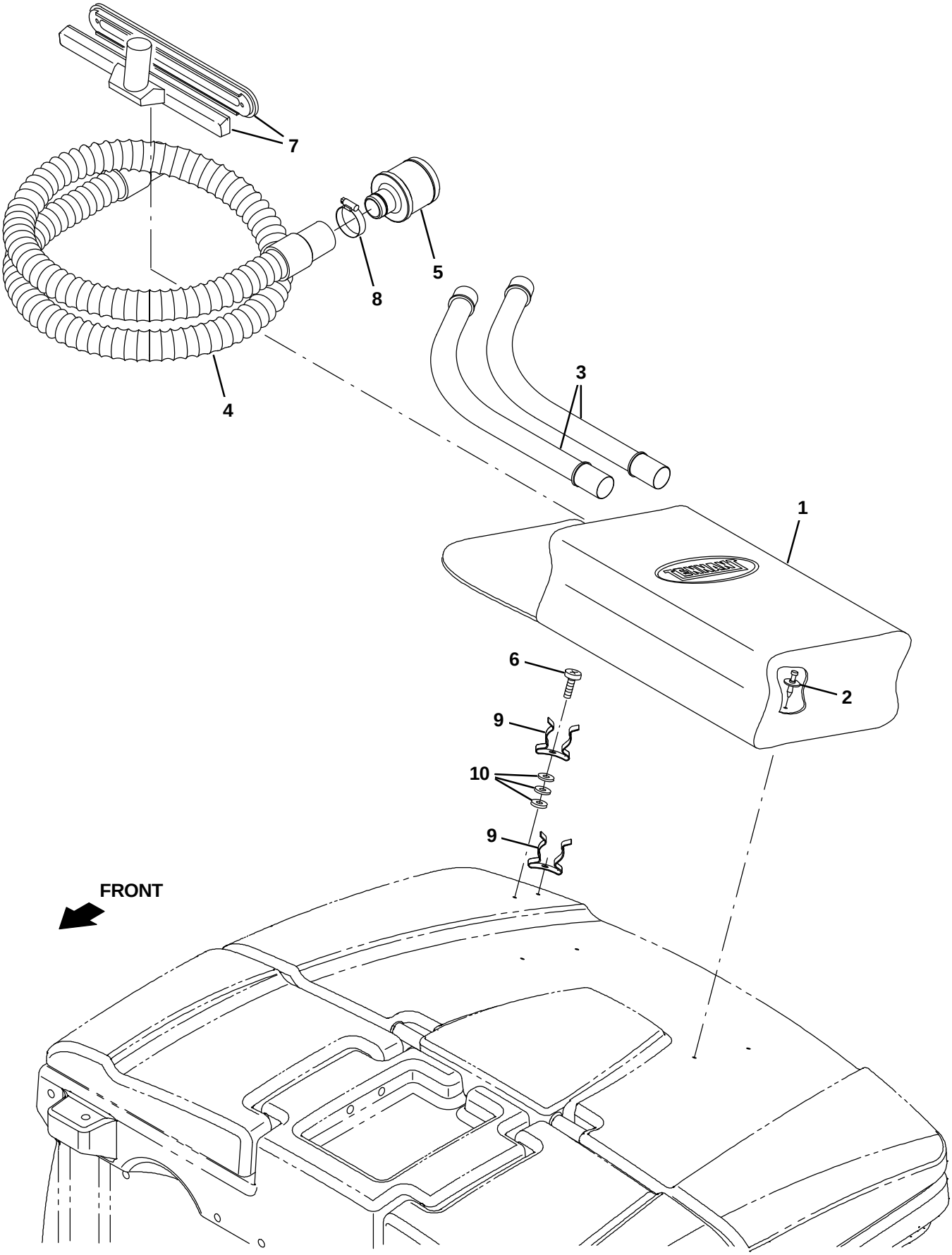


357291 – T20 NA

Fig. 29 – Telemetry Panel Kit, Pro–Panel (S/N 013110–)

	Ref.	Part No.	Serial Number	Description	Qty.
▽	1	4018561	(013110–)	Panel Kit, POD Telem, CI [T/M20/M30, PRO]	1
▲	2	4030314	(013110–)	Angle, Mtg, Antenna, Telem	1
▲	3	104067	(013110–)	Screw, Hex, H6 X 1.00 X 20, 9.8, Sems	2
▲	4	4041604	(013110–)	Nut, Hex, Flng, M6 X 1.00	2
▲	5	4031066	(013110–)	Antenna, Telem [4G, 36]	1
▲	6	4044164	(013110–)	Clamp, Cable, Nyl, 0.62D, Nat	2
▲	7	4041969	(013110–)	Screw, Hex, M5 X 0.80 X 16, 8.8	2
▲	8	4041004	(013110–)	Nut, Hex, Lock, M5 X 0.80 X 16, 8.8	2
▲	9	4042244	(013110–)	Washer, Flat, 0.25b 0.56d .05, Pl, 10	2
▲		4032434	(013110–)	Label, Mach, Telem [BG95/BG96]	1

Fig. 30 – Vacuum Wand Kit



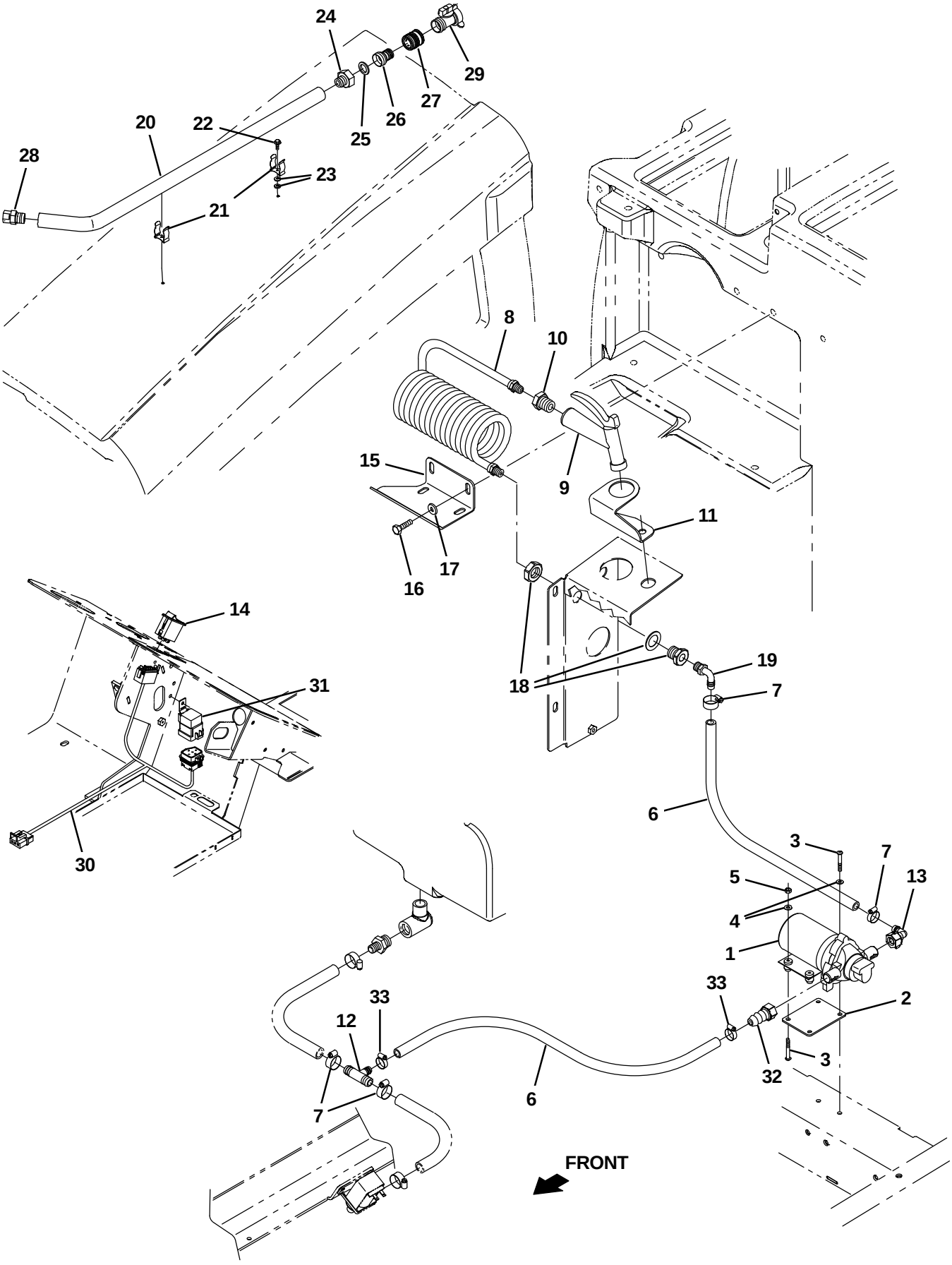
354659 – M30

Fig. 30 – Vacuum Wand Kit

	Ref.	Part No.	Serial Number		Description	Qty.
▽		9004071	(008000–	)	Wand Kit, Vacuum, Sqge, Ci [M30]	1
▲	1	65580	(008000–	)	Bag, Power	1
▲	2	72968	(008000–	)	Rivet, Plstc, .250d X 0.90	4
▲	3	190722	(008000–	)	Wand, Chm, Dbl Bend [1 Pk= 1 Box Of 2pc]	1
▲	4	86767	(008000–	)	Hose Assy, W/2cuff, 1.5d 090l 1.5/1.5	1
▲	5	1029396	(008000–	)	Fitting, Alm, Str, Bm24/Bm48	1
▲	6	55845	(008000–	)	Screw, Hex, M5 X 0.80 X 16, Fmg	2
▲	7	13840	(008000–	)	Nozzle Assy, Tool, Wand, 14.0 Inch	1
▲	8	79381	(008000–	)	Clamp, Hose, Wormdrive, 1.25–2.00d, .50w	1
▲	9	67004	(008000–	)	Clip, Grip, Finger, 1.00–1.88d White,Vyl	2
▲	10	19064	(008000–	)	Washer, Flat, 06	6

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Fig. 31 – Spray Nozzle Kit (S/N 008000–010000)

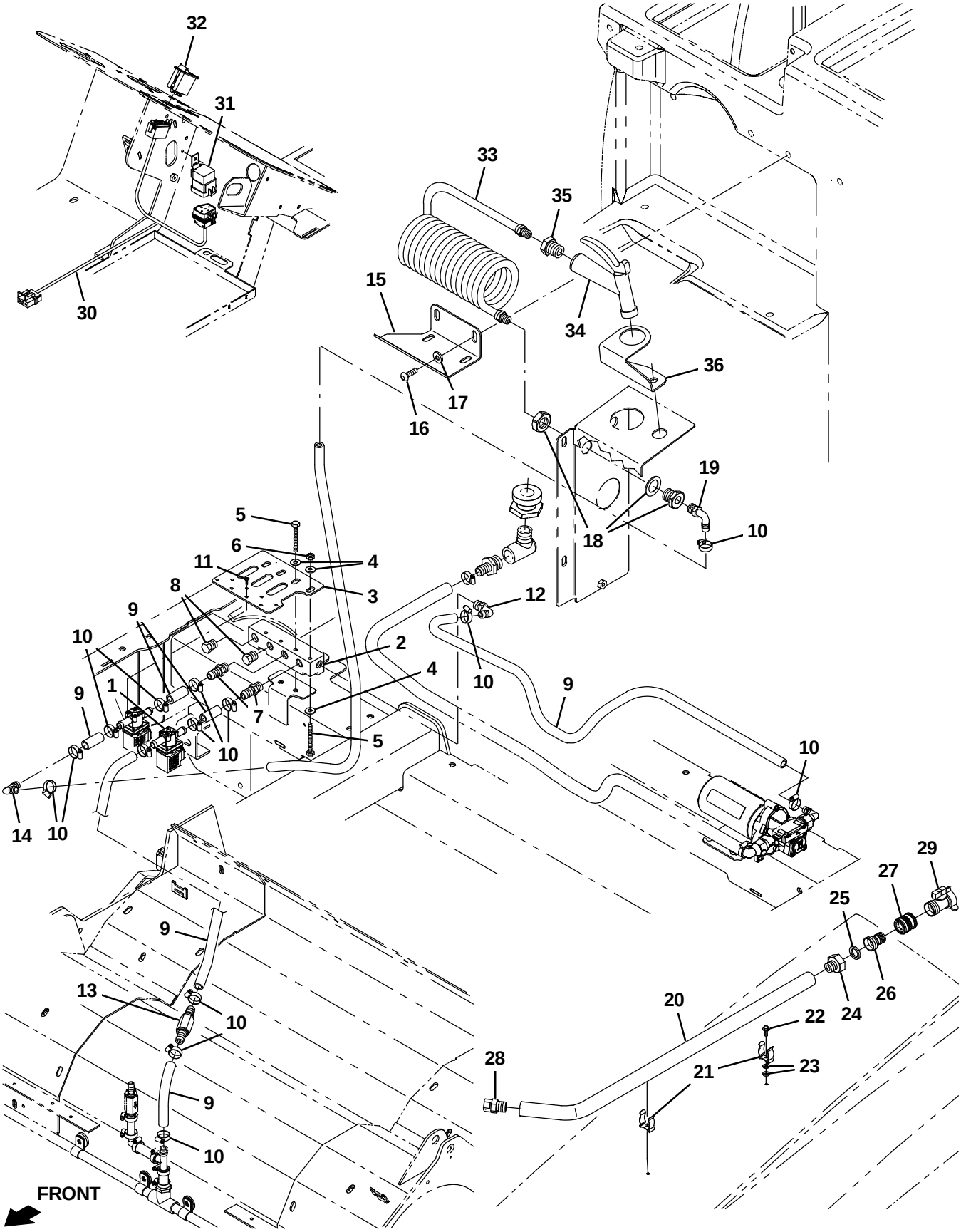


354480 – M30

Fig. 31 – Spray Nozzle Kit (S/N 008000–010000)

	Ref.	Part No.	Serial Number	Description	Qty.
▽		9004031	(008000–010000)	Nozzle Kit, Spray, Ci [M30]	1
▲	1	1026743	(008000–010000)	Pump, Diaphragm (See Breakdowns)	1
▲	2	1027007	(008000–010000)	Plate, Mtg, Pump	1
▲	3	06939	(008000–010000)	Screw, Pan, Phl, M5 X 0.80 X 45, 4.8	4
▲	4	19066	(008000–010000)	Washer, Flat, 10	4
▲	5	06549	(008000–010000)	Nut, Hex, Lock, M5 X 0.80, Nl	2
▲	6	1011412	(008000–010000)	Hose, Afmkt, Pvc, Brd, 0.50Id, 08Ft, Clr	1
▲	7	63810	(008000–010000)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	4
▲	8	1019250	(008000–010000)	Hose, Water, Coil, 0.38id 0.56od	1
▲	9	769785	(008000–010000)	Nozzle, Spray, Gun	1
▲	10	1027976	(008000–010000)	Fitting, Brs, Str, Pf06/Pm12	1
▲	11	1027237	(008000–010000)	Bracket, Mtg, Spray Handle	1
▲	12	1015486	(008000–010000)	Fitting, Plstc, Tee, Bm08/Bm10/Bm10, Br	1
▲	13	1018499	(008000–010000)	Fitting, Plstc, E90, Bm08/Pf08s, Swivel	1
▲	14	398500	(008000–010000)	Switch, Rocker, Dpdt, On / None / On	1
▲	15	1029790	(008000–010000)	Bracket, Mtg, Spray Wand [FaST, Conv]	1
▲	16	09740	(008000–010000)	Screw, Hex, M8 X 1.25 X 20, Ss	2
▲	17	1017218	(008000–010000)	Washer, Flat, 0.32b 1.00d .12, Ss	2
▲	18	1027978	(008000–010000)	Fitting, Brs, Str, Pf06/Pf06 Bh	1
▲	19	64778	(008000–010000)	Fitting, Plstc, E90, Bm08/Pm06	1
▲	20	1029055	(008000–010000)	Wand, Clean–Out	1
▲	21	1029057	(008000–010000)	Clip, Grip, Finger, .875–1.25	2
▲	22	20394	(008000–010000)	Screw, Hex, 10–16 X 0.62, Fmg/Ab, Pl	2
▲	23	01683	(008000–010000)	Washer, Flat, 10, Ss	4
▲	24	375321	(008000–010000)	Fitting, Brs, Str, Pm08/Garden Hose	1
▲	25	01316	(008000–010000)	Washer, Flat, 0.66b 1.00d .12, Rbr	1
▲	26	1029153	(008000–010000)	Fitting, Brs, Spcl [Garden Hose]	1
▲	27	1029155	(008000–010000)	Coupling, Nozzle, Spray	1
▲	28	1029156	(008000–010000)	Nozzle	1
▲	29	1029399	(008000–010000)	Valve, Shutoff	1
▲	30	1021881	(008000–010000)	Harness, Spray, Nozzle	1
▲	31	56186	(008000–010000)	Relay, 12vdc, 040a, Spdt No	1
▲	32	1018495	(008000–010000)	Fitting, Plstc, Str, Bm08/Pf08s, Swivel	1
▲	33	54333	(008000–010000)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	2

Fig. 32 – Spray Nozzle Group (S/N 010001–)

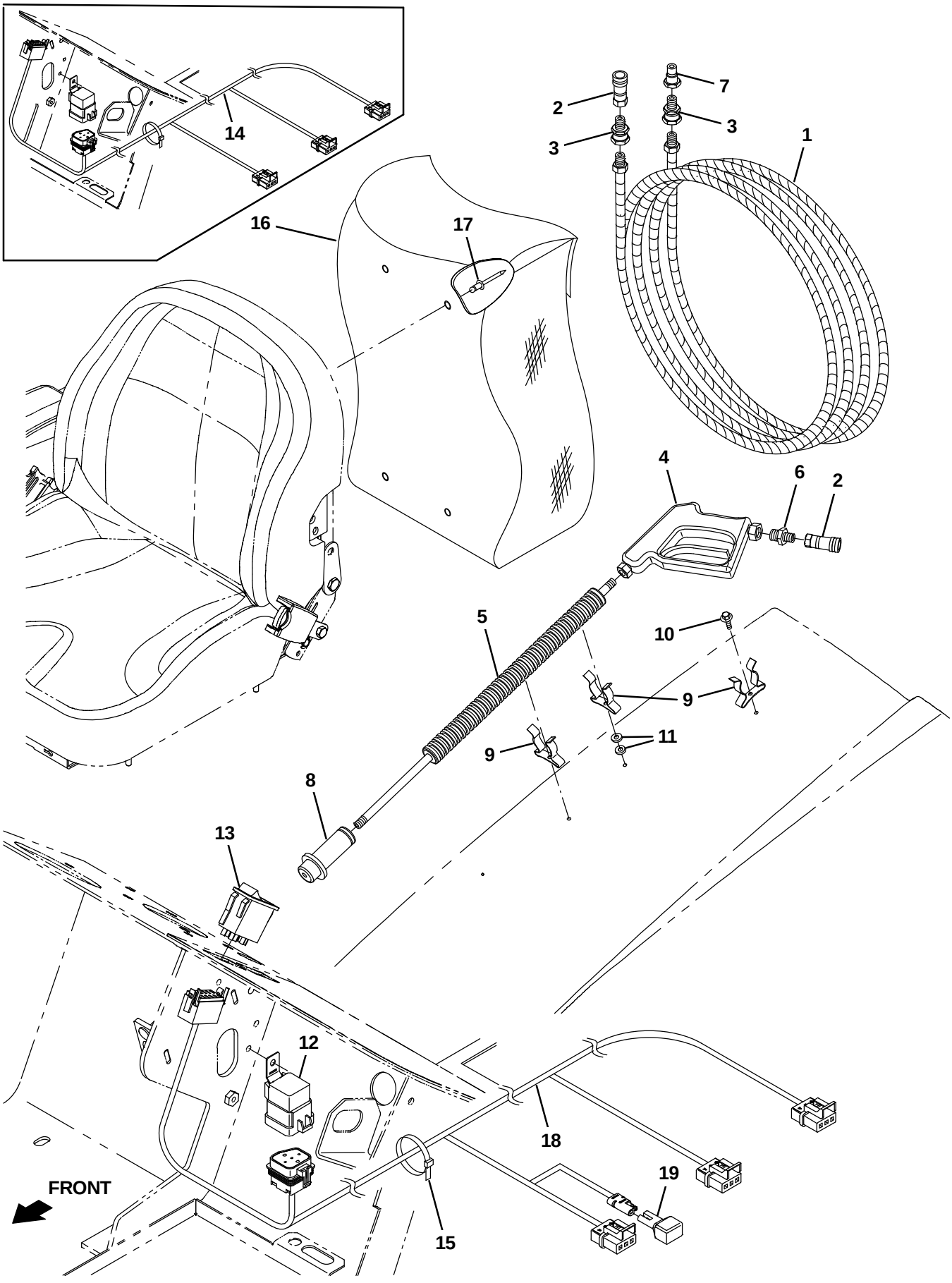


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Fig. 32 – Spray Nozzle Group (S/N 010001–)

Ref.	Part No.	Serial Number	Description	Qty.
1	1076870	(010001–)	Valve, Water, Solenoid [12vdc, Bm08/Bm08	2
2	1254833	(010001–)	Manifold, Soln	1
3	1254856	(010001–)	Plate, Manifold, Mtg	1
4	32490	(010001–)	Washer, Flat, 0.25, Std	6
5	1257800	(010001–)	Screw, Hex, M6 X 1.00 X 60, Ss, Fl	4
6	08712	(010001–)	Nut, Hex, Lock, M6 X 1.00, Nl, Ss	2
7	64743	(010001–)	Fitting, Plstc, Str, Bm08/Pm06	2
8	630146	(010001–)	Fitting, Plug, Pm06, Hdpe	2
9	1011835	(010001–)	Hose, Afmkt, Pvc, Brd, 0.50id, 20ft, Clr	1
10	54333	(010001–)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	13
11	1257563	(010001–)	Screw, Pan, Torx, 06–19 X 0.38, F/ Plstc	2
12	64778	(010001–)	Fitting, Plstc, E90, Bm08/Pm06	1
13	1251530	(010001–)	Valve, Check, 1.0psi, Bm08/Bm08	1
14	63987–1	(010001–)	Fitting, Plstc, E90, Bm08/Bm08	1
15	1029790	(010001–)	Bracket, Mtg, Spray Wand [FaST, Conv]	1
16	393135	(010001–)	Screw, Btn, M8 X 1.25 X 20, Blk	2
17	32491	(010001–)	Washer, Flat, 0.31, Std	2
18	1027978	(010001–)	Fitting, Brs, Str, Pf06/Pf06 Bh	1
19	64778	(010001–)	Fitting, Plstc, E90, Bm08/Pm06	1
20	1029055	(010001–)	Wand, Clean–Out	1
21	1029057	(010001–)	Clip, Grip, Finger, .875–1.25	2
22	20394	(010001–)	Screw, Hex, #10–16 X 0.62, Fmg [Ab]	2
23	01683	(010001–)	Washer, Flat, #10, Ss	4
24	375321	(010001–)	Fitting, Brs, Str, Pm08/Garden Hose	1
25	01316	(010001–)	Washer, Flat, 0.66b 1.00d .12, Rbr	1
26	1029153	(010001–)	Nipple, Hose	1
27	1029155	(010001–)	Coupling, Nozzle, Spray	1
28	1029156	(010001–)	Nozzle	1
29	1029399	(010001–)	Valve, Shutoff	1
30	1076974	(010001–)	Harness, Spray, Nozzle	1
31	56186	(010001–)	Relay, 12vdc, 40a, Spdt N/O	1
32	398500	(010001–)	Switch, Rocker, Dpdt On/None/On	1
33	1019250	(010001–)	Hose, Water, Coil, 0.38id 0.56od	1
34	769785	(010001–)	Nozzle, Spray, Gun	1
35	1027976	(010001–)	Fitting, Brs, Str, Pf06/Pm12	1
36	1027237	(010001–)	Bracket, Mtg, Spray Handle	1

Fig. 33 – Pressure Washer Mount Group



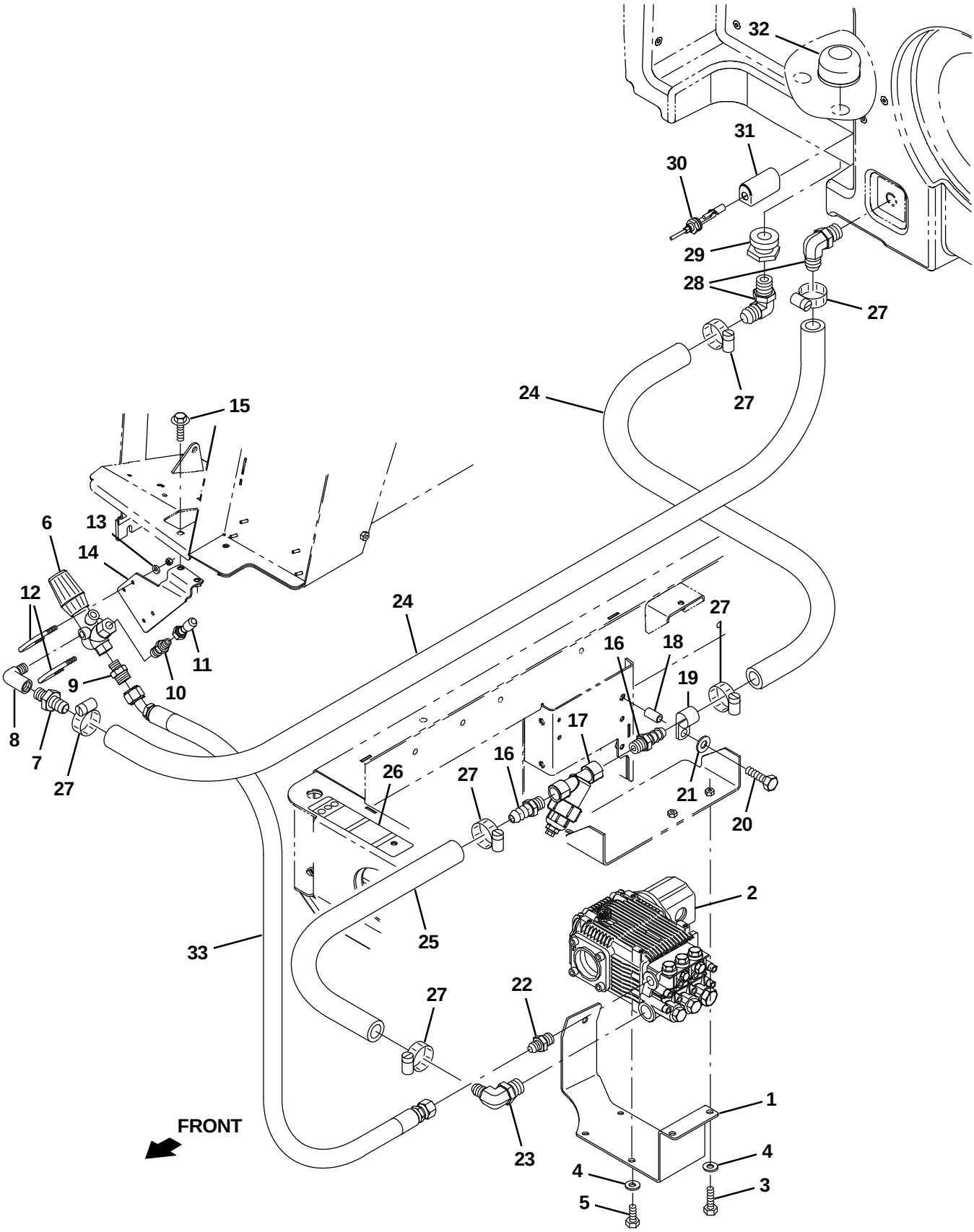
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Fig. 33 – Pressure Washer Mount Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1039056	(008000–)	Hose, Rbr, 25ft	1
2	1042051	(008000–)	Fitting, Ss, Qdc, Fem	2
3	1259146	(008000–)	Fitting, Swivel, Str, Pf06/Pm04, Stl	2
4	1039042	(008000–)	Handle, Gun, Trigger	1
5	1039044	(008000–)	Wand, Str, Ss, 28l	1
6	1044428	(008000–)	Fitting, Brs, Str, Pm04/Pm06 [Hp]	1
7	1042191	(008000–)	Fitting, Ss, Qdc, Mal	1
8	1041935	(008000–)	Nozzle, Spray [Pressure Washer]	1
9	67004	(008000–)	Clip, Grip, Finger, 1.00–1.88d White,Vyl	3
10	20394	(008000–)	Screw, Hex, 10–16 X 0.62, Fmg/Ab, Pl	3
11	01683	(008000–)	Washer, Flat, 10, Ss	6
12	56186	(008000–)	Relay, 12vdc, 040a, Spdt No	1
13	1040899	(008000–)	Switch, Rocker, Prgrsv	1
14	1074983	(008000–010000)	Harness, Ele [Press. Wash]	1
15	49266	(008000–)	Tie, Cable, Nyl, 07.3l .19w 1.8 Max D	5
16	65580	(008000–)	Bag, Power	1
17	72968	(008000–)	Rivet, Plstc, .250D X 0.90	2
18	1076975	(010001–)	Harness, Ele [Press. Wash]	1
19	222290	(010001–)	Diode, Ele, Plug	1

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Fig. 34 – Pressure Washer Solution Group (S/N 008000–010000)



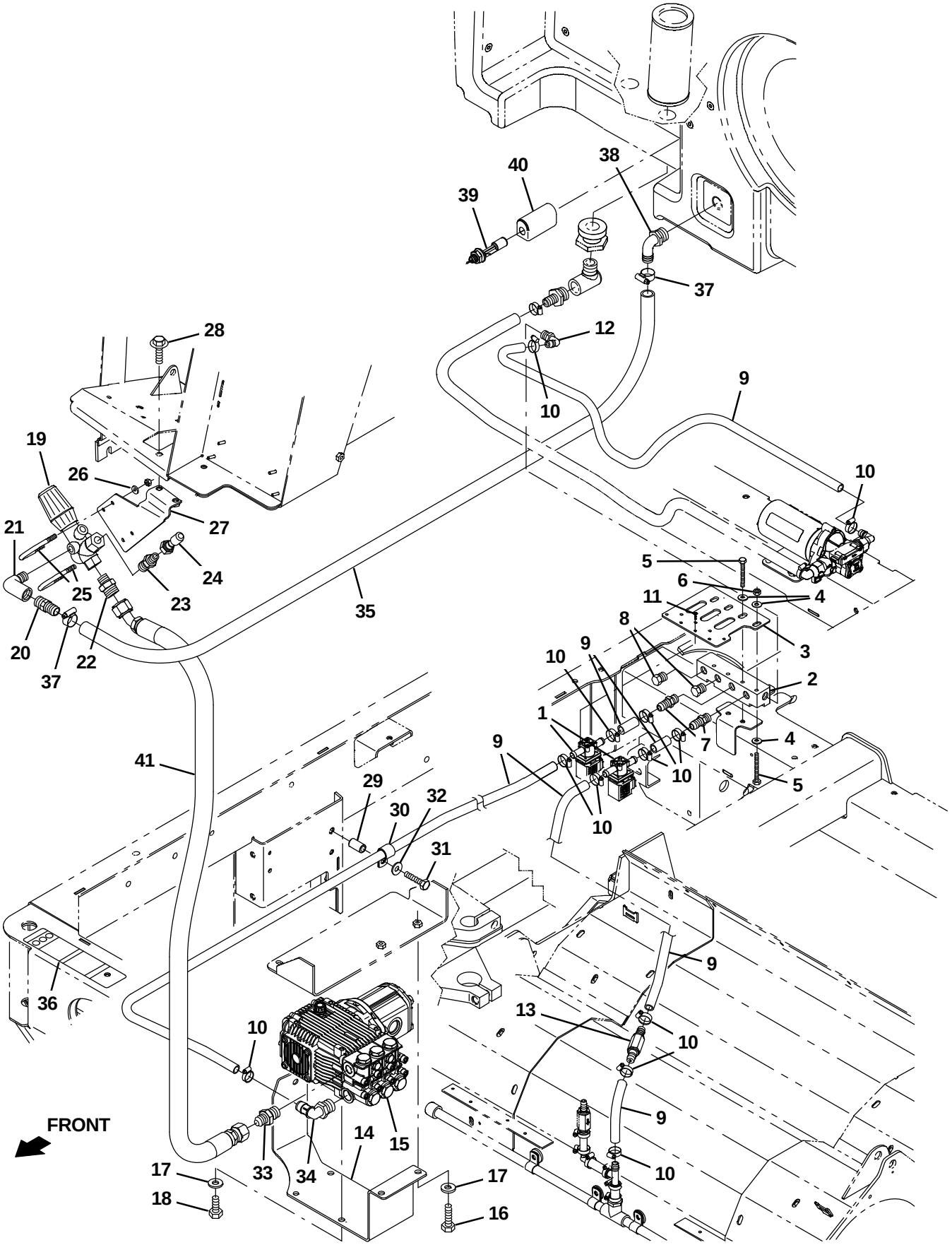
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Fig. 34 – Pressure Washer Solution Group (S/N 008000–010000)

Ref.	Part No.	Serial Number	Description	Qty.
1	1037634	(008000–010000)	Bracket, Mtg, Motor	1
2	1225829	(008000–010000)	Pump, Hyd, Press Washer	1
3	09010	(008000–010000)	Screw, Hex, M8 X 1.25 X 25, Ss	3
4	01685	(008000–010000)	Washer, Flat, 0.38b 0.88d .08, Ss	7
5	15675	(008000–010000)	Screw, Hex, M8 X 1.25 X 16, Ss	4
6	1039046	(008000–010000)	Valve, Needle	1
7	1042859	(008000–010000)	Fitting, Brs, Str, Bm12/Pm08	1
8	1042579	(008000–010000)	Fitting, Brs, E90, Pf08/Pm06	1
9	1044429	(008000–010000)	Fitting, Brs, Str, Pm06/Pm08 [Hp]	1
10	1044428	(008000–010000)	Fitting, Brs, Str, Pm04/Pm06 [Hp]	1
11	1042191	(008000–010000)	Fitting, Ss, Qdc, Mal	1
12	45142	(008000–010000)	Bolt, U, .25–20 X 2.00, 1.10id	2
13	07515	(008000–010000)	Washer, Lock, Int, 0.25, Ss	4
14	1040709	(008000–010000)	Bracket, Mtg, Needle	1
15	1037346	(008000–010000)	Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	2
16	377334	(008000–010000)	Fitting, Brs, Str, Bm12/Pm12	2
17	1039037	(008000–010000)	Filter, Y, Inline, .75	1
18	1039348	(008000–010000)	Sleeve, 0.49b 0.68d 1.2l [304ss]	1
19	53466	(008000–010000)	Clamp, Cable, Stl, 1.50d X 1.00w, 1hole	1
20	32731	(008000–010000)	Screw, Hex, M10 X 1.50 X 50, Ss	1
21	01686	(008000–010000)	Washer, Flat, 0.44b 1.00d .08, Ss	1
22	1044429	(008000–010000)	Fitting, Brs, Str, Pm06/Pm08 [Hp]	1
23	48697	(008000–010000)	Fitting, Brs, E90, Em12/Pm08	1
24	1045034	(008000–010000)	Hose, Afmkt, Pvc, Wir, 0.75id, 08ft, Clr	1
25	1045045	(008000–010000)	Hose, Afmkt, Pvc, Wir, 0.75id, 02ft, Clr	1
26	1041952	(008000–010000)	Label Set, Info/Hzrd, Press Wash	1
27	63810	(008000–010000)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	6
28	1041351	(008000–010000)	Fitting, Brs, E90, Bm12/Pm12	2
29	377349	(008000–010000)	Fitting, Plstc, Pf12/Pf12, Bh	1
30	385685	(008000–010000)	Sensor, Level, Liq, 14vdc 01a .62–11	1
31	1019285	(008000–010000)	Bracket, Protector, Float Switch	1
32	1027290	(008000–010000)	Filter, Soltn, 20mesh, Pm12 3.1d 02.6l	1
33	1041391	(008000–010000)	Hose, Hyd, Tc08, Jf08E45/JF08Str, 18.0	1
34	42268	(008000–010000)	Fitting, Hyd, Plug, Om08	1
35	1227137	(008000–010000)	Valve, Hyd, Press Washer	1

Fig. 35 – Pressure Washer Solution Group (S/N 010001–)



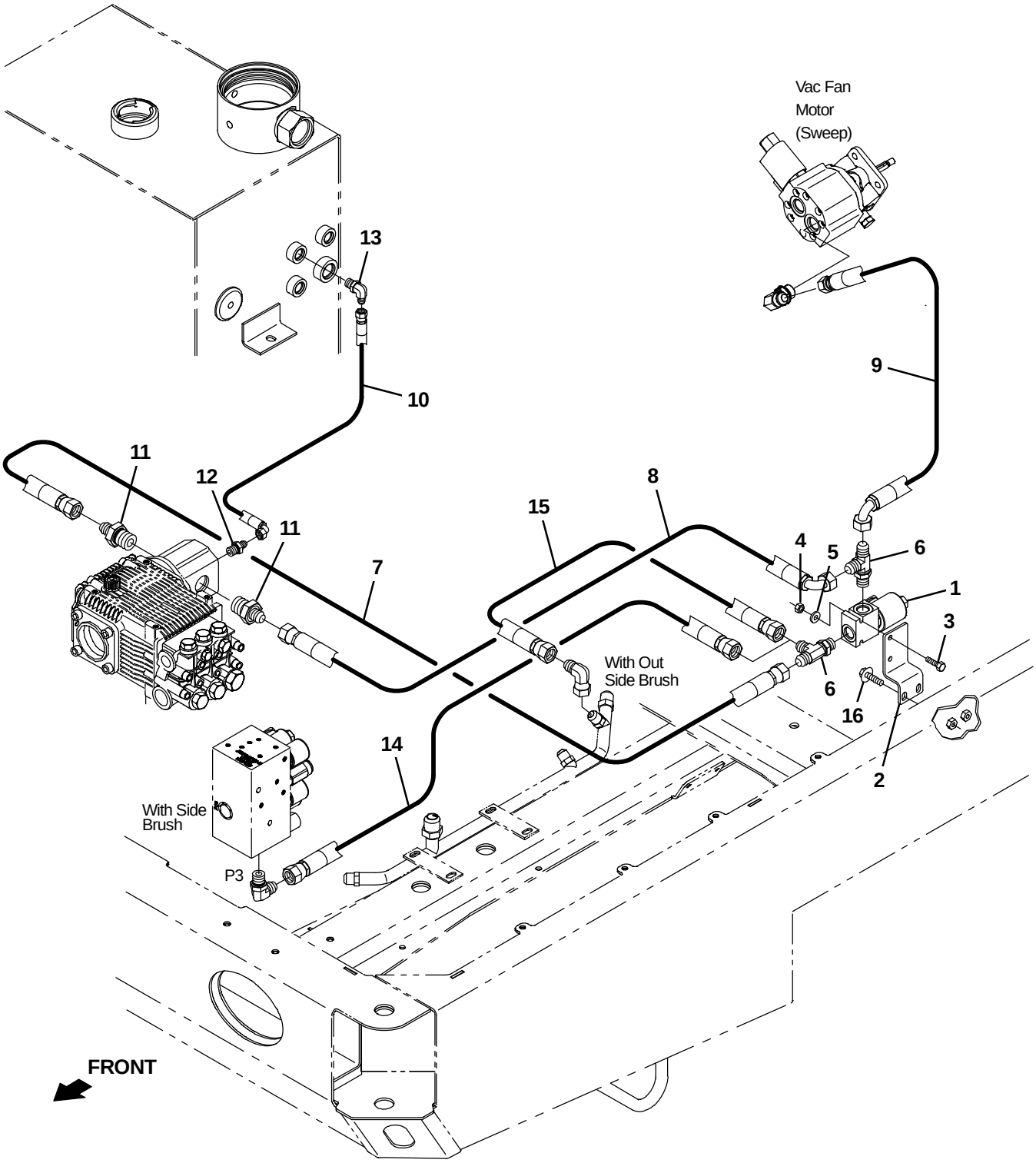
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Fig. 35 – Pressure Washer Solution Group (S/N 010001–)

Ref.	Part No.	Serial Number	Description	Qty.
1	1076870	(010001–)	Valve, Water, Solenoid [12vdc, Bm08/Bm08	2
2	1254833	(010001–)	Manifold, Soln	1
3	1254856	(010001–)	Plate, Manifold, Mtg	1
4	32490	(010001–)	Washer, Flat, 0.25, Std	6
5	1257800	(010001–)	Screw, Hex, M6 X 1.00 X 60, Ss, Fl	4
6	08712	(010001–)	Nut, Hex, Lock, M6 X 1.00, Nl, Ss	2
7	64743	(010001–)	Fitting, Plstc, Str, Bm08/Pm06	2
8	630146	(010001–)	Fitting, Plug, Pm06, Hdpe	2
9	1011835	(010001–)	Hose, Afmkt, Pvc, Brd, 0.50id, 20ft, Clr	1
10	54333	(010001–)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	13
11	1257563	(010001–)	Screw, Pan, Torx, 06–19 X 0.38, F/ Plstc	2
12	64778	(010001–)	Fitting, Plstc, E90, Bm08/Pm06	1
13	1251530	(010001–)	Valve, Check, 1.0psi, Bm08/Bm08	1
14	1037634	(010001–)	Bracket, Mtg, Motor	1
15	1225829	(010001–)	Pump, Hyd, Press Washer	1
16	09010	(010001–)	Screw, Hex, M8 X 1.25 X 25, Ss	3
17	01685	(010001–)	Washer, Flat, 0.38b 0.88d .08, Ss	7
18	15675	(010001–)	Screw, Hex, M8 X 1.25 X 16, Ss	4
19	1039046	(010001–)	Valve, Needle	1
20	1042859	(010001–)	Fitting, Brs, Str, Bm12/Pm08	1
21	1042579	(010001–)	Fitting, Brs, E90, Pf08/Pm06	1
22	1044429	(010001–)	Fitting, Brs, Str, Pm06/Pm08 [Hp]	1
23	1044428	(010001–)	Fitting, Brs, Str, Pm04/Pm06 [Hp]	1
24	1042191	(010001–)	Fitting, Ss, Qdc, Mal	1
25	45142	(010001–)	Bolt, U, .25–20 X 2.00, 1.10id	2
26	07515	(010001–)	Washer, Lock, Int, 0.25, Ss	4
27	1040709	(010001–)	Bracket, Mtg, Needle	1
28	1037346	(010001–)	Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	2
29	1039348	(010001–)	Sleeve, 0.49b 0.68d 1.2l [304ss]	1
30	49287	(010001–)	Clamp, Cable, Stl, 0.75d X 0550w, 1hole	1
31	32731	(010001–)	Screw, Hex, M10 X 1.50 X 50, Ss	1
32	01686	(010001–)	Washer, Flat, 0.44b 1.00d .08, Ss	1
33	1044429	(010001–)	Fitting, Brs, Str, Pm06/Pm08 [Hp]	1
34	63244–3	(010001–)	Fitting, Plstc, E90, Bm08/Pm12	1
35	1045034	(010001–)	Hose, Afmkt, Pvc, Wir, 0.75id, 08ft, Clr	1
36	1041952	(010001–)	Label Set, Info/Hzrd, Press Wash	1
37	63810	(010001–)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	6
38	1041351	(010001–)	Fitting, Brs, E90, Bm12/Pm12	2
39	385685	(010001–)	Sensor, Level, Liq, 14vdc 01a .62–11	1
40	1019285	(010001–)	Bracket, Protector, Float Switch	1
41	1041391	(010001–)	Hose, Hyd, Tc08, Jf08E45/JF08Str, 18.0	1

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Fig. 36 – Pressure Washer Hydraulic Hoses Group



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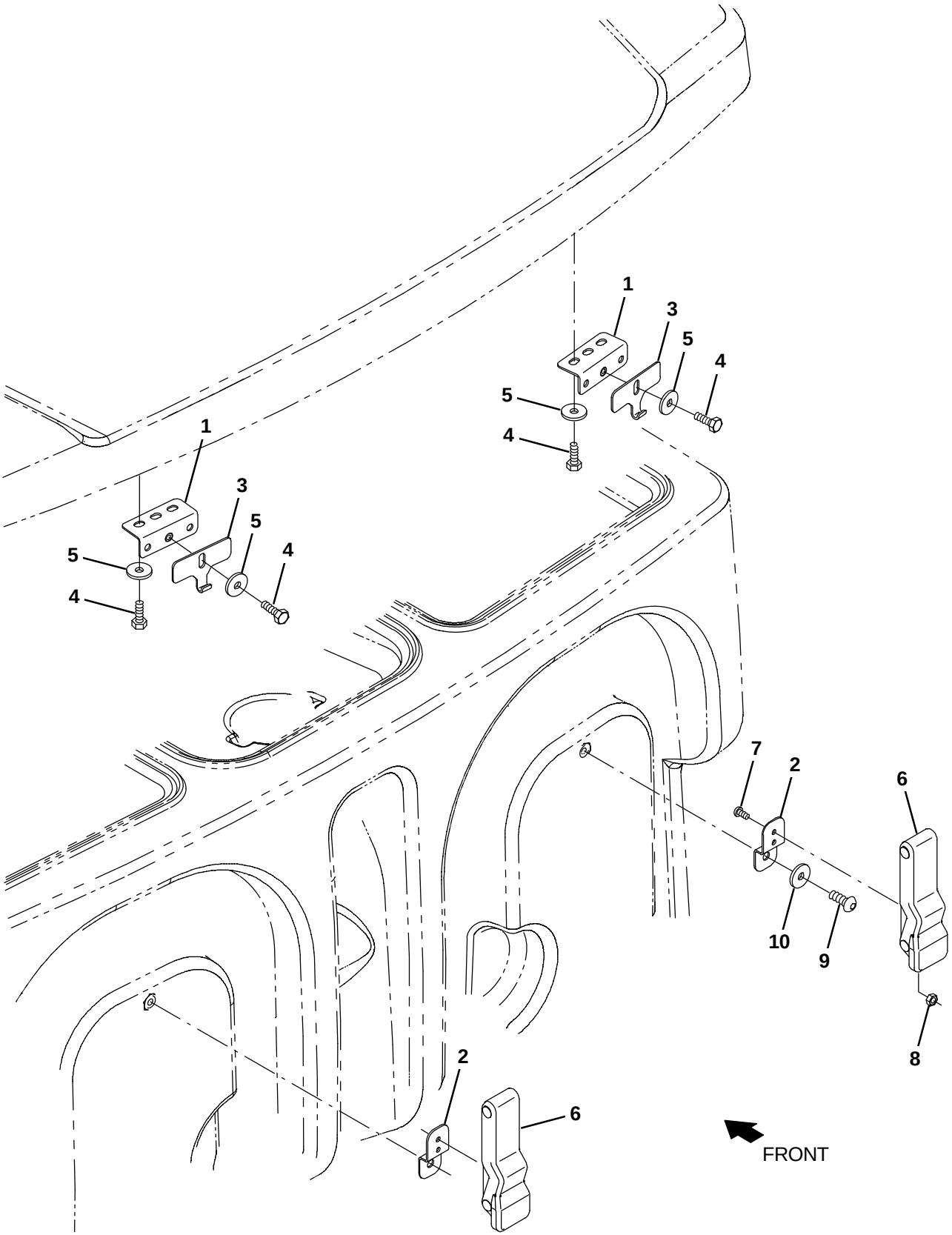
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Fig. 36 – Pressure Washer Hydraulic Hoses Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1038571	(008000–)	Valve, Hyd, Press Washer	1
2	1071852	(008000–)	Bracket, Mtg	1
3	06948	(008000–)	Screw, Hex, M6 X 1.00 X 60, 8.8	2
4	08708	(008000–)	Nut, Hex, Lock, M6 X 1.00, Nl	2
5	32483	(008000–)	Washer, Flat, 0.25, Sae	2
6	40755	(008000–)	Fitting, Hyd, Tee, Jm08/Jm08/Om08, Run	2
7	365007	(008000–)	Hose, Hyd, Tc08, Jf08str/Jf08str, 072.0	1
8	396209	(008000–)	Hose, Hyd, Tc08, Jf08e90/Jf08str, 054.0	1
9	1039753	(008000–)	Hose, Hyd, Tc08, Jf08e90/Jf08str, 042.0	1
10	1040630	(008000–)	Hose, Hyd, Med04, Jf04e90/Jf04str, 022.0	1
11	42227	(008000–)	Fitting, Hyd, Str, Jm08/Om12	2
12	55685	(008000–)	Fitting, Hyd, Str, Jm04/Om06	1
13	47638	(008000–)	Fitting, Hyd, E90, Jm04/Om06	1
14	65224	(008000–)	Hose, Hyd, Tc08, Jf08str/Jf08str, 066.0	1
15	1036902	(008000–)	Hose, Hyd, Tc08, Jf08str/Jf08str, 039.0	1
16	1037354	(008000–)	Screw, Hex, M8 X 1.25 X 30, 9.8, Sems	2

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Fig. 37 – Transport Kit



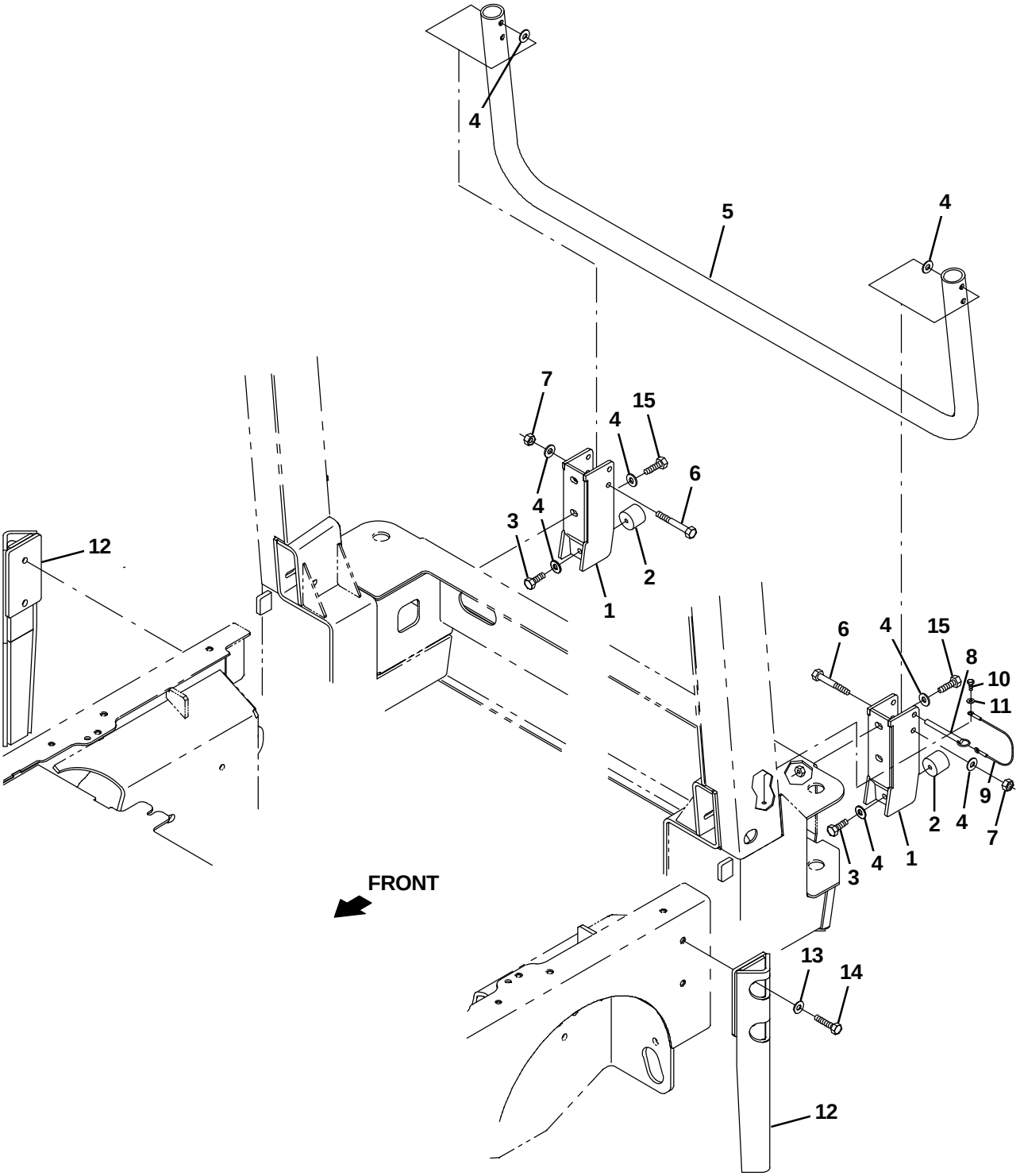
354481 – M20, M30

Fig. 37 – Transport Kit

	Ref.	Part No.	Serial Number		Description	Qty.
▽		9014867	(008000–	)	Transport Kit, Ci [M20/M30}	1
▲	1	1040800	(008000–	)	Bracket, Latch, Cover	2
▲	2	1020526	(008000–	)	Bracket, Retaining, Hose	2
▲	3	1032896	(008000–	)	Plate, Hook, Latch, [M20]	2
▲	4	09744	(008000–	)	Screw, Hex, M6 X 1.00 X 12, Ss	8
▲	5	01684	(008000–	)	Washer, Flat, 0.27b 0.69d .05, Ss	8
▲	6	1222019	(008000–	)	Latch, Yellow	2
▲	7	09200	(008000–	)	Screw, Pan, Phl, M5 X 0.80 X 12, Ss	4
▲	8	09739	(008000–	)	Nut, Hex, Lock, M5 X 0.80, Nl, Ss	4
▲	9	393135	(008000–	)	Screw, Btn, M8 X 1.25 X 20, Blk	2
▲	10	32491	(008000–	)	Washer, Flat, 0.31, Std	2

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Fig. 38 – Squeegee Guard Kit



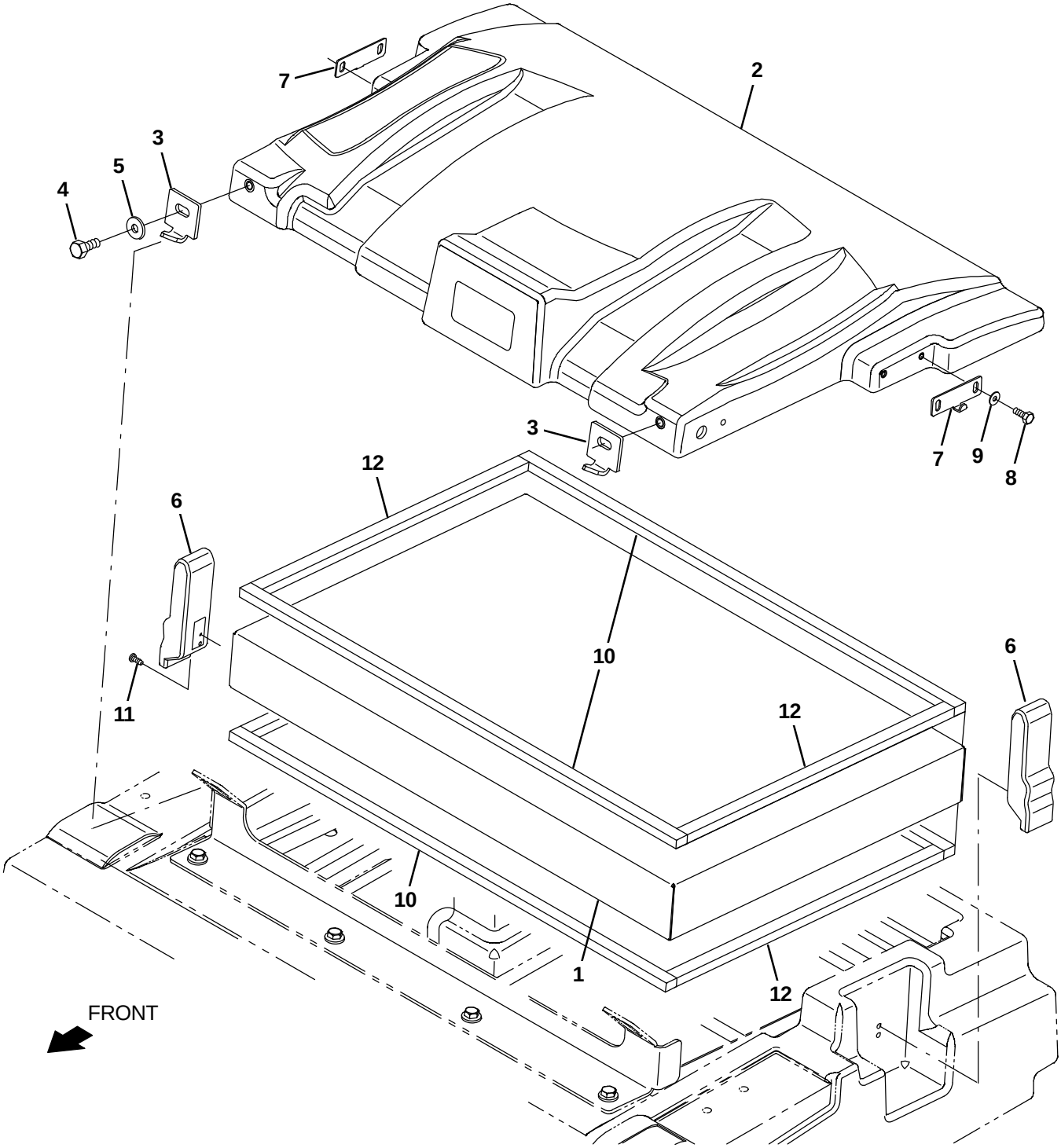
354650 – M30

Fig. 38 – Squeegee Guard Kit

	Ref.	Part No.	Serial Number	Description	Qty.
▽		9004029	(008000–)	Guard Kit, Sqge, Ci [M30]	1
▲	1	1027560	(008000–)	Bracket Wldt, Guard, Sqge	2
▲	2	1024977	(008000–)	Bumper, Ure, 1.50d 1.25l	2
▲	3	21196	(008000–)	Screw, Hex, .38–16 X 0.88, G5	2
▲	4	32492	(008000–)	Washer, Flat, 0.38, Std	10
▲	5	1054342	(008000–)	Guard Wldt, Sqge	1
▲	6	06965	(008000–)	Screw, Hex, M10 X 1.50 X 80, 8.8	2
▲	7	41430	(008000–)	Nut, Hex, Lock, M10 X 1.5, Nl	2
▲	8	369359	(008000–)	Pin, Hitch, .375d X 3.12l, Pl	1
▲	9	57702	(008000–)	Cable, Glv .06d 012.0l .26eye /.26eye	1
▲	10	09738	(008000–)	Screw, Hex, M5 X 0.80 X 12, Ss	1
▲	11	01683	(008000–)	Washer, Flat, 10, Ss	1
▲	12	1045444	(008000–)	Guard Wldt, Sqge	2
▲	13	32486	(008000–)	Washer, Flat, 0.50, Sae	2
▲	14	368176	(008000–)	Screw, Hex, M10 X 1.50 X 35, 10.9	4
▲	15	39284	(008000–)	Screw, Hex, M10 X 1.50 X 35, 8.8	4

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Fig. 39 – Wet Dust Control Hopper Cover Group (S/N 008438–)



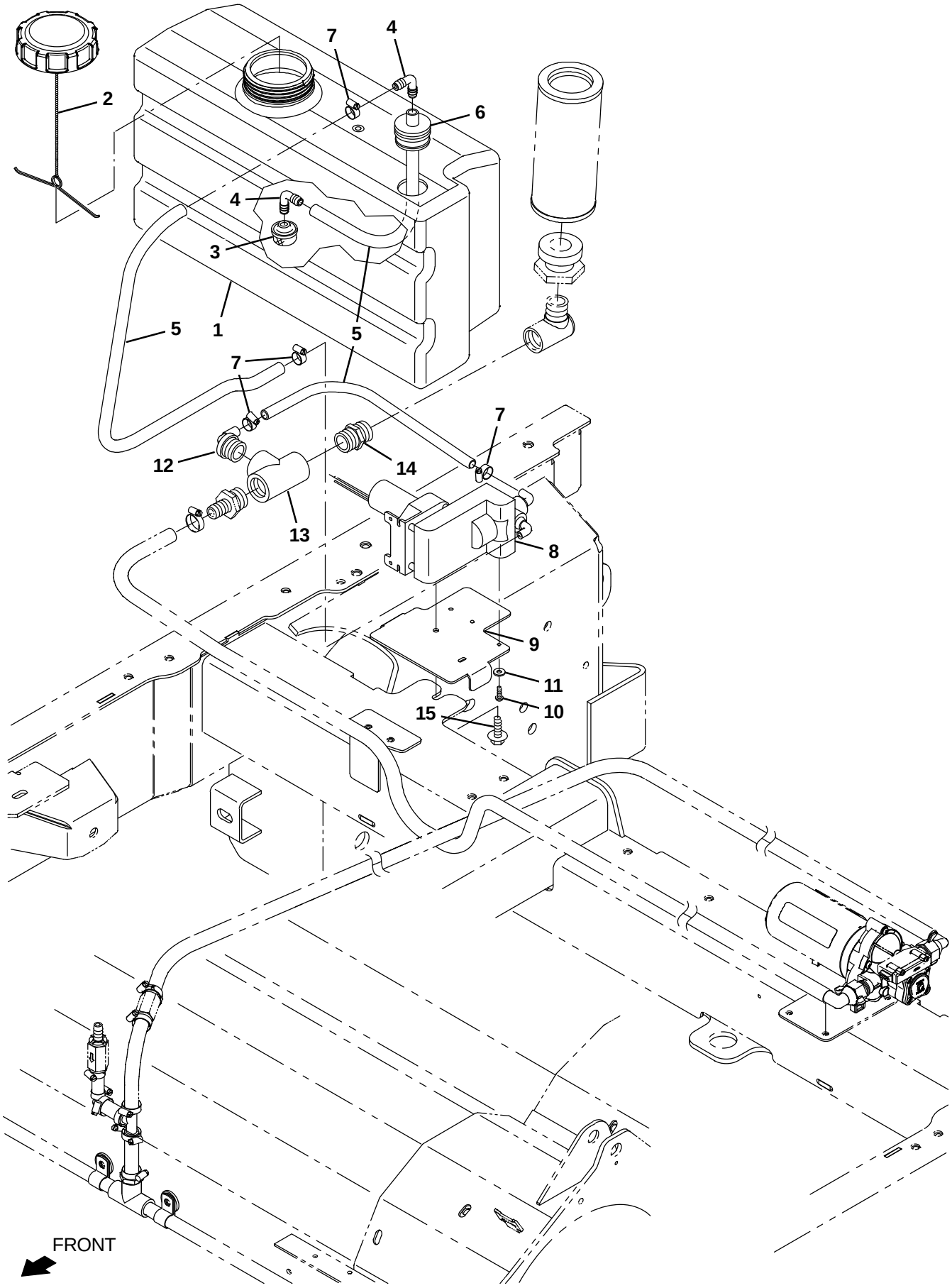
356888 – M20, M30

Fig. 39 – Wet Dust Control Hopper Cover Group (S/N 008438–)

Ref.	Part No.	Serial Number	Description	Qty.
1	1076414	(008438–)	Panel, Filler, Filter [M20/30 Wet Sweep]	1
2	1041006	(008438–)	Cover, Hppr	1
3	1018207	(008438–)	Bar, Mtg, Hppr Cover	2
4	09291	(008438–)	Screw, Hex, M10 X 1.5 X 20, Ss	2
5	1014563	(008438–)	Washer, Flat, 0.40b 1.12d .12, Ss	2
6	1222019	(008438–)	Latch, Yellow	2
7	1041984	(008438–)	Bracket, Cover, Hppr	2
8	15678	(008438–)	Screw, Hex, M6 X 1.0 X 16, Ss	4
9	01684	(008438–)	Washer, Flat, 0.25, Ss	4
10	1015239	(008438–)	Seal, Afmkt, Ure, Adh, 0.50, 0.75w 03ft	4
11	09200	(008438–)	Screw, Pan, M5 X 0.8 X 12, Ss	4
12	1015241	(008438–)	Seal, Afmkt, Ure, Adh, 0.50, 0.75w 02ft	4

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Fig. 40 – Detergent Metering Group (S/N 010001–)



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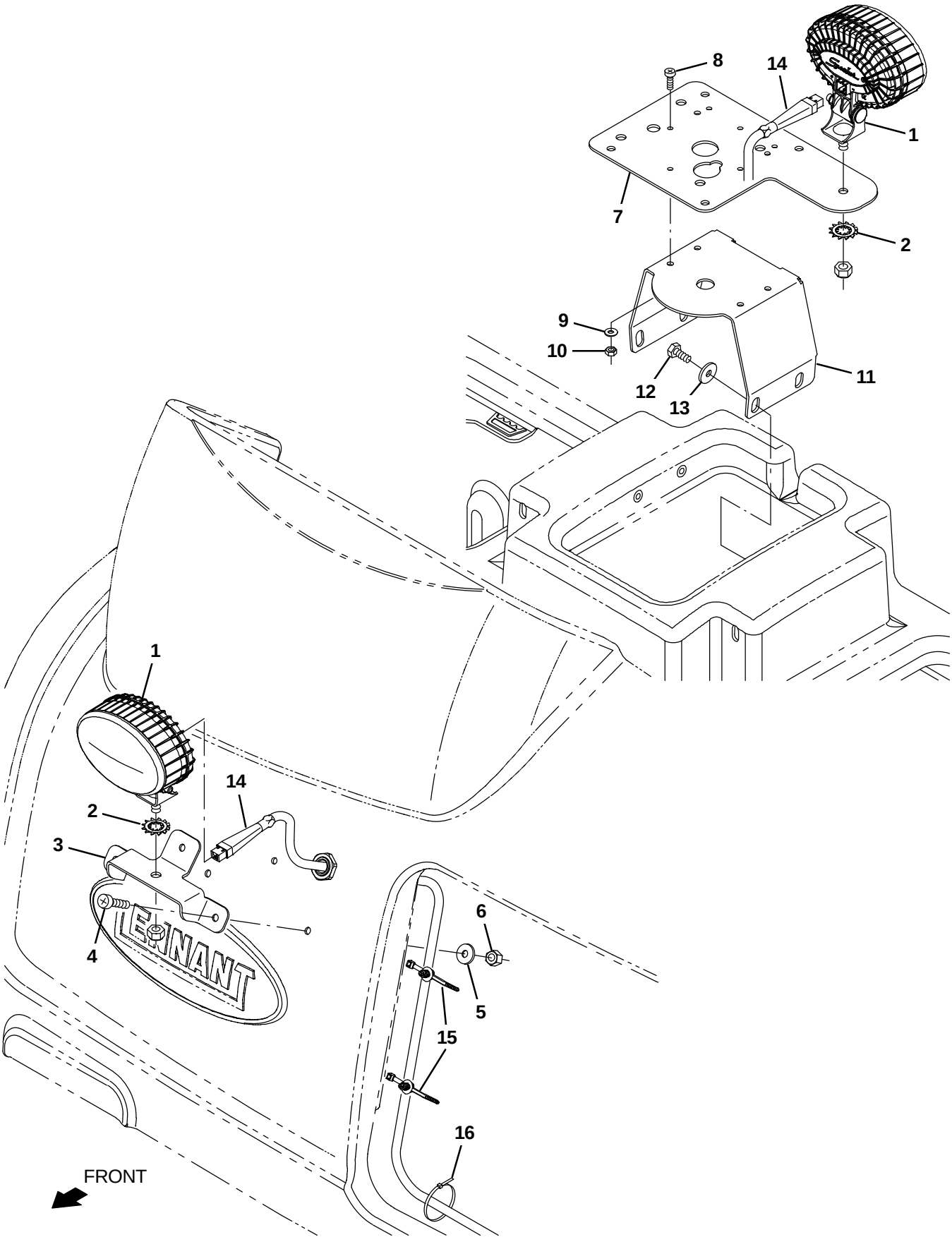
357125 – M30

Fig. 40 – Detergent Metering Group (S/N 010001–)

Ref.	Part No.	Serial Number	Description	Qty.
1	1022229	(010001–)	Tank, Detgt, Trimmed	1
2	1011885	(010001–)	Cap, Tank	1
3	20952	(010001–)	Screen, Pump	1
4	20951	(010001–)	Fitting, Plstc, E90, Bm06/Bm06	2
5	1014930	(010001–)	Hose, Afmkt, Pvc, Clr, 0.38id, 08ft	1
6	20944	(010001–)	Grommet, Pye, 0.37id, F/1.5h, .13 Matl	1
7	43844	(010001–)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	4
8	73260	(010001–)	Pump, Detgt, 14vdc, 150ml/Min 20psi	1
9	1033792	(010001–)	Plate, Hsng [Fast]	1
10	24265	(010001–)	Screw, Pan, Phl, M4 X 0.70 X 16, Ss	2
11	01683	(010001–)	Washer, Flat, 10, Ss	2
12	79484	(010001–)	Fitting, Plstc, E90, Bm06/Pm12, Nyl	1
13	42133A	(010001–)	Fitting, Plstc, Tee, Pf12/Pf12/Pf12	1
14	24544	(010001–)	Fitting, Plstc, Str, Pm12/Pm12 1.60l	1
15	76099	(010001–)	Screw, Hex, M8 X 1.25 X 25, Fmg	1

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Fig. 41 – Spotlight Kit, Blue



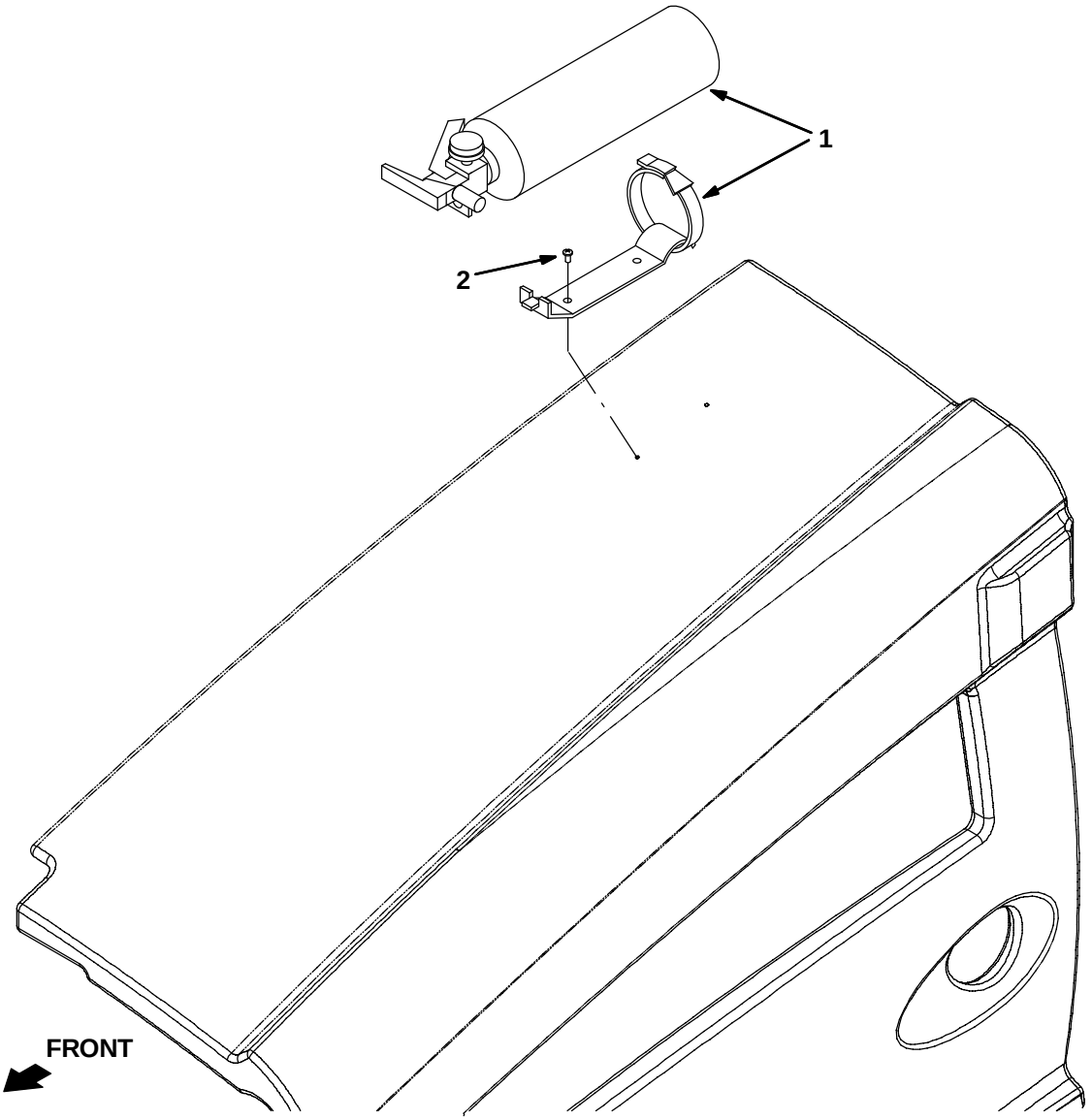
357150

Fig. 41 – Spotlight Kit, Blue

	Ref.	Part No.	Serial Number		Description	Qty.
▽		9021235	(008000–	)	Spotlight Kit, Blue, Ci [T20/M20]	1
▲	1	1240687	(008000–	)	Light, Spot, Blue, Led	2
▲	2	41143	(008000–	)	Washer, Lock, Int–Ext, 0.50	2
▲	3	1076808	(008000–	)	Brkt, Blu Spotlight, Fr, Cover Mtg	1
▲	4	1031665	(008000–	)	Screw, Pan, M8 X 1.25 X 25, Blk	3
▲	5	39890	(008000–	)	Washer, Flat, M8, Fendr	3
▲	6	08713	(008000–	)	Nut, Hex, Lock, M8 X 1.25, Nl, Ss	3
▲	7	1076789	(008000–	)	Brkt, Blu Spotlight, Rr, Frame Mtg	1
▲	8	24196	(008000–	)	Screw, Pan, Phl, M5 X 0.80 X 20, Ss	4
▲	9	19066	(008000–	)	Washer, Flat, 0.25b 0.56d .05, Pl, 10	4
▲	10	09739	(008000–	)	Nut, Hex, Lock, M5 X 0.80, Nl, Ss	4
▲	11	1019445	(008000–	)	Bracket, Sppt, Revl Light	1
▲	12	09740	(008000–	)	Screw, Hex, M8 X 1.25 X 20, Ss	4
▲	13	1017218	(008000–	)	Washer, Flat, 0.32b 1.00d .12, Ss	4
▲▽	14	1076999	(008000–	)	Harness, Blu Spotlight [T20/M20/M30]	1
▲▲		1016029	(008000–	)	Fuse, Blade, 005a, 32vdc [Atof]	1
▲	15	1210807	(008000–	)	Wire, Tie [W/.25” Fir Tree Clip]	3
▲	16	763114	(008000–	)	Tie, Cable, 11.3l, 2.75d Max	10

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Fig. 42 – Fire Extinguisher Kit



354484

	Ref.	Part No.	Serial Number		Description	Qty.
▽		9001316	(008000–	)	Extinguisher Kit, Fire, Ci [M20/T20/M30]	1
▲	1	25312	(008000–	)	Extinguisher, Fire, 2.5 Lb Dry	1
▲	2	382320	(008000–	)	Screw, Pan, Phl, 12–16 X 0.50, F/ Plstc	2

Fig. 43 – Documentation Group (Online Only)

M30, G/LP

Ref.	Part No.	Serial Number	Description	Qty.
	4024015	(008000–)	Manual, Oprtr, [M30 G, En, Na Sn 8000–]	1
	4195962	(008000–)	Manual, Oprtr, [M30 G, Es, Na, Sn 8000–]	1
	4195963	(008000–)	Manual, Oprtr, [M30 G, Fr, Na, Sn 8000–]	1
	4195964	(008000–)	Manual, Parts, [M30 G, Global, Sn 8000–]	1
	4024008	(008000–)	Manual, Service, [M30 G/Lp/D, Sn 8000–]	1
	4195967	(008000–)	Manual, Oprtr, [M30 G/Lp, Ptb, Sn 8000–]	1
	4195966	(008000–)	Manual, Oprtr [M30 G/Lp, Jp, Sn 8000–]	1
	4024016	(008000–)	Manual, Oprtr, [M30 G/Lp, Cn, Sn 8000–]	1
	4195968	(008000–)	Manual, Oprtr, [M30 G, Cz, Eu, Sn 8000–]	1
	4195969	(008000–)	Manual, Oprtr, [M30 G, De, Eu, Sn 8000–]	1
	4195970	(008000–)	Manual, Oprtr, [M30 G, Dk, Eu, Sn 8000–]	1
	4195971	(008000–)	Manual, Oprtr, [M30 G, En, Eu, Sn 8000–]	1
	4195972	(008000–)	Manual, Oprtr, [M30 G, Es, Eu, Sn 8000–]	1
	4195973	(008000–)	Manual, Oprtr, [M30 G, Fi, Eu, Sn 8000–]	1
	4195974	(008000–)	Manual, Oprtr, [M30 G, Fr, Eu, Sn 8000–]	1
	4195975	(008000–)	Manual, Oprtr, [M30 G, Gr, Eu, Sn 8000–]	1
	4195976	(008000–)	Manual, Oprtr, [M30 G, Hu, Eu, Sn 8000–]	1
	4195977	(008000–)	Manual, Oprtr, [M30 G, It, Eu, Sn 8000–]	1
	4195978	(008000–)	Manual, Oprtr, [M30 G, Nl, Eu, Sn 8000–]	1
	4195979	(008000–)	Manual, Oprtr, [M30 G, No, Eu, Sn 8000–]	1
	4195980	(008000–)	Manual, Oprtr, [M30 G, Pl, Eu, Sn 8000–]	1
	4195981	(008000–)	Manual, Oprtr, [M30 G, Ptg Eu, Sn 8000–]	1
	4195982	(008000–)	Manual, Oprtr, [M30 G, Ru, Eu, Sn 8000–]	1
	4195983	(008000–)	Manual, Oprtr, [M30 G, Se, Eu, Sn 8000–]	1
	4195984	(008000–)	Manual, Oprtr, [M30 G, Tr, Eu, Sn 8000–]	1
	4195985	(008000–)	Manual, Oprtr, [M30 G, Ee, Eu, Sn 8000–]	1
	4195986	(008000–)	Manual, Oprtr, [M30 G, Lv, Eu, Sn 8000–]	1
	4195987	(008000–)	Manual, Oprtr, [M30 G, Lt, Eu, Sn 8000–]	1
	4195988	(008000–)	Manual, Oprtr, [M30 G, Sk, Eu, Sn 8000–]	1
	4195989	(008000–)	Manual, Oprtr, [M30 G, Sl, Eu, Sn 8000–]	1
	4195990	(008000–)	Manual, Oprtr, [M30 G, Bg, Eu, Sn 8000–]	1
	4195991	(008000–)	Manual, Oprtr, [M30 G, Hr, Eu, Sn 8000–]	1
	4195992	(008000–)	Manual, Oprtr, [M30 G, Ro, Eu, Sn 8000–]	1
	9006257	(008000–)	Media, Cd–Rom, Training [Ec–H2o Tennant]	1
	4199969	(008000–)	Manual, Cd–Rom, Engine [Mit 2.0l]	1

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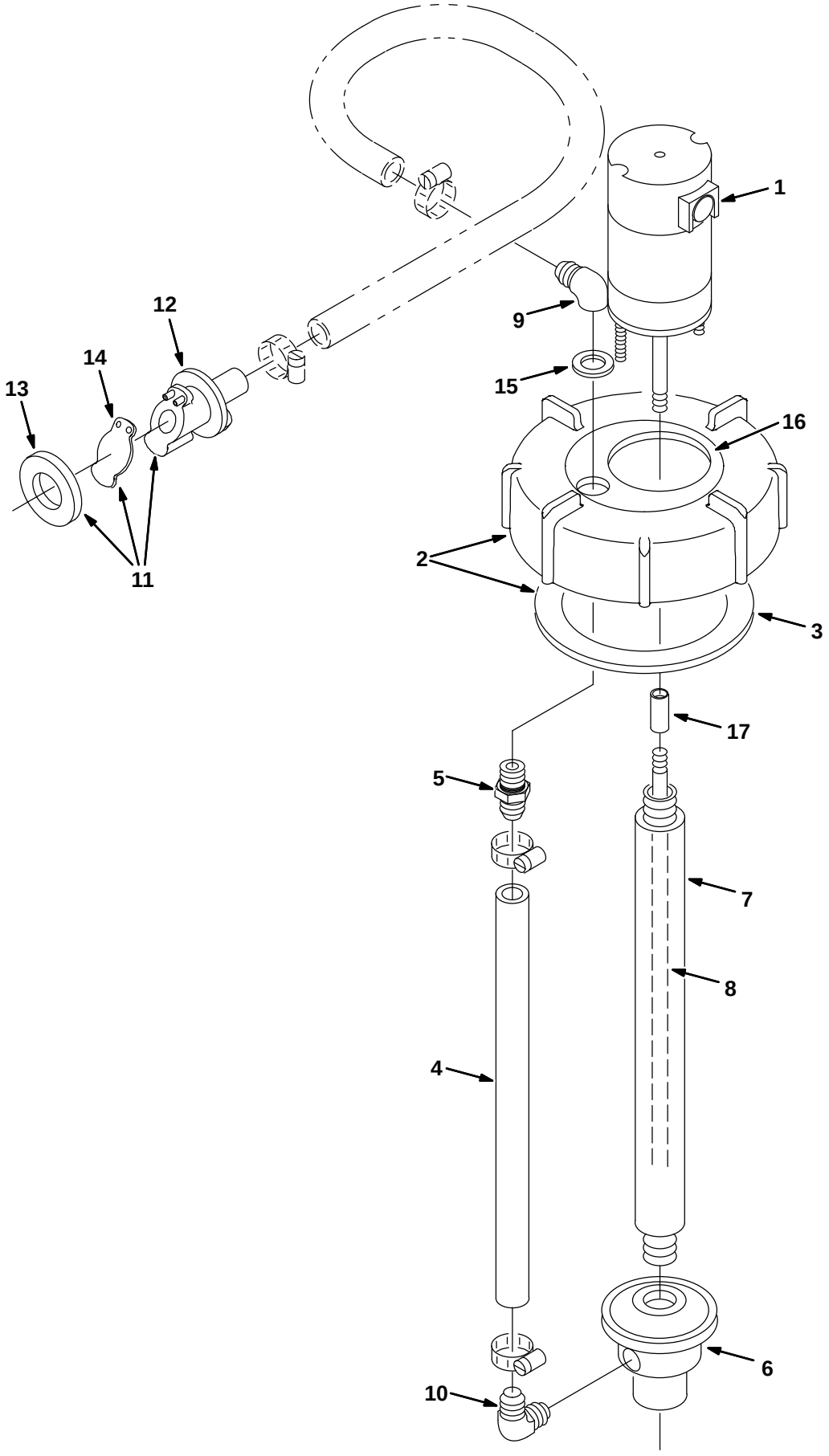
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Fig. 1 – Extended Scrub Pump Breakdown, 1021210

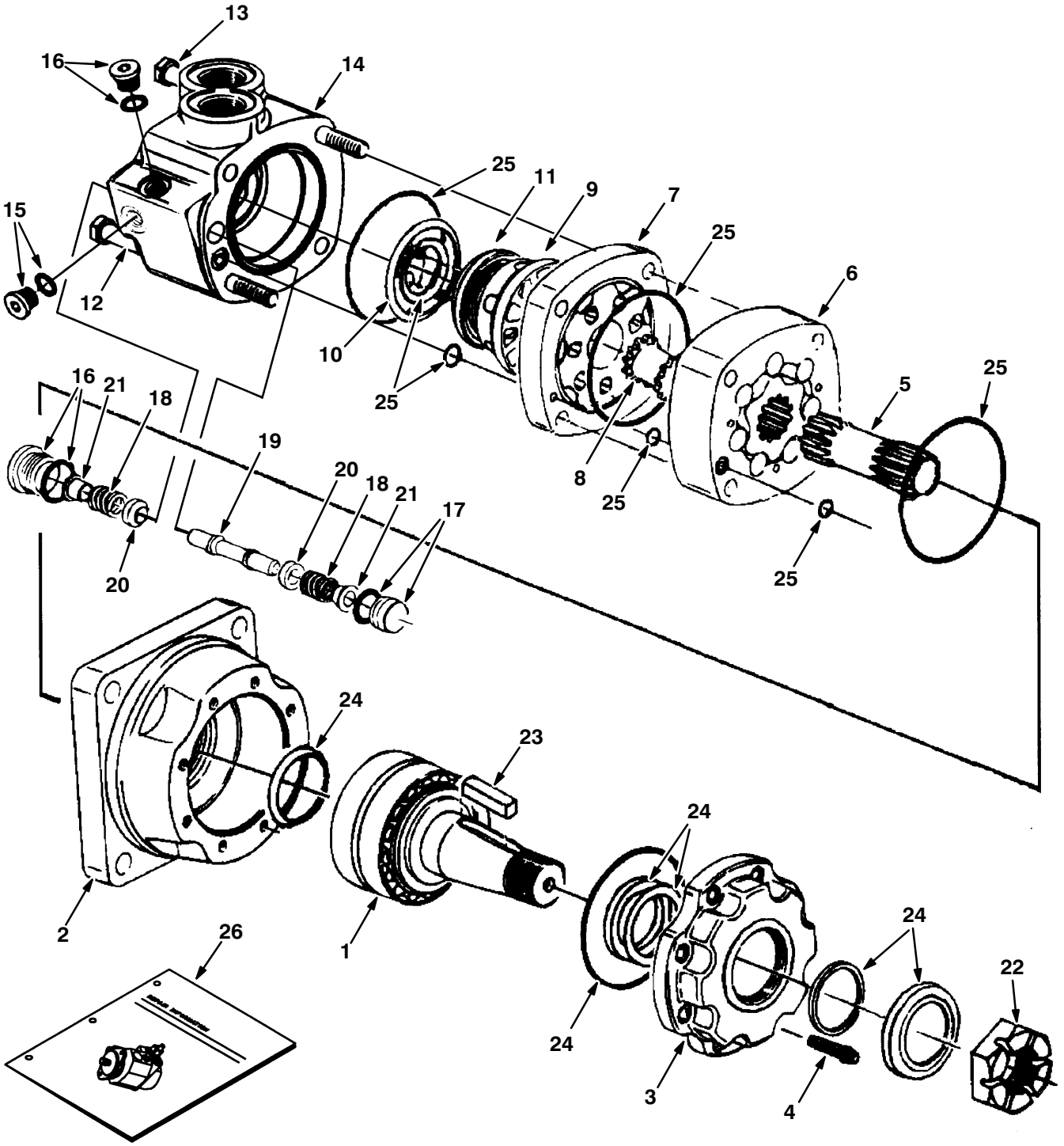


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Fig. 1 – Extended Scrub Pump Breakdown, 1021210

	Ref.	Part No.	Serial Number		Description	Qty.
▽		1021210	(008000–	)	Pump Assy, Column, Es	1
▲▽	1	9002708	(008000–	)	Motor, Ele, 12vdc, Pump, Water	1
▲▲		78829	(008000–	)	Kit, Brush, Motor, Ele	1
▲▽	2	24358	(008000–	)	Cap Assy, Tank, Drain	1
▲▲	3	1031699	(008000–	)	Gasket, 4.05id 5.29od .19 [Buna]	1
▲	4	78833	(008000–	)	Tube, Vinyl, Pump, Water	1
▲	5	78398	(008000–	)	Fitting, Plstc, Str, Bm12/Pm08, Nyl	1
▲	6	78843	(008000–	)	Housing Kit, Pump, Water	1
▲	7	78836	(008000–	)	Column, Pump, Water	1
▲	8	9002709	(008000–	)	Shaft, Pump, Water	1
▲	9	78838	(008000–	)	Fitting, E, Gr	1
▲	10	78839	(008000–	)	Fitting, Plstc, E90, Pf Bm [Es Pump]	1
▲▽	11	78842	(008000–	)	Kit, Valve, Check, Pump, Water	1
▲▲	12	78840	(008000–	)	Valve, Check, Pump, Water	1
▲▲	13	73342	(008000–	)	Gasket, .25 1.88d 1.0id [Poron]	1
▲▲	14	78841	(008000–	)	Flapper, Valve, Pump, Water	1
▲	15	78830	(008000–	)	Washer, Rbr	1
▲	16	22790	(008000–	)	Insert, Cap, Mount, Es Pump	1
▲	17	23285	(008000–	)	Sleeve, Pump, Water	1

Fig. 2 – Hydraulic Motor Breakdown, 379609



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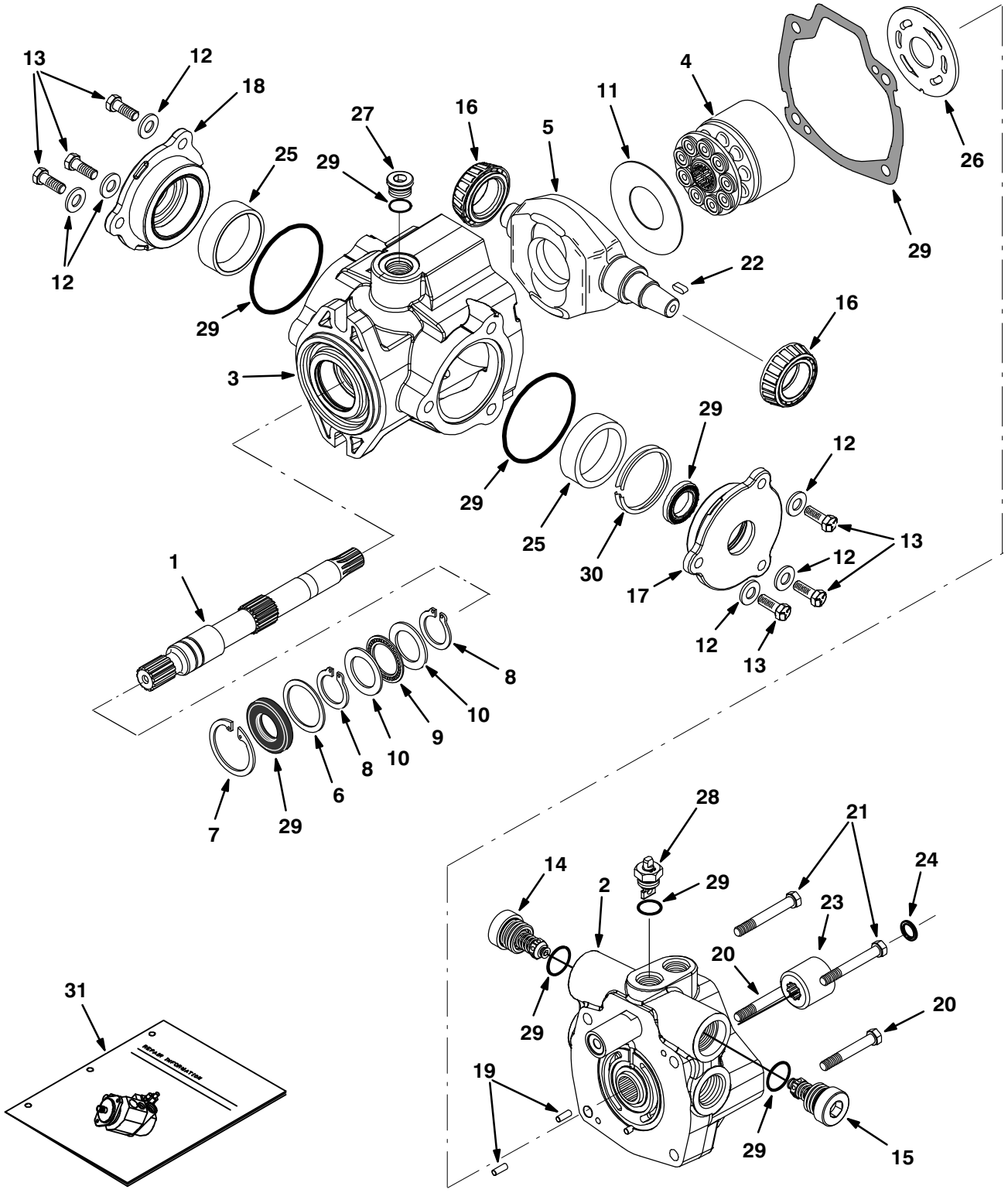
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Fig. 2 – Hydraulic Motor Breakdown, 379609

	Ref.	Part No.	Serial Number	Description	Qty.
▽		379609	(008000–)	Motor, Hyd, Gear, [Int], 19.0 X 3000	1
▲	1	74165	(008000–)	Shaft, Motor, Hyd	1
▲	2	74166	(008000–)	Housing, Brg, Motor, Hyd	1
▲	3	74167	(008000–)	Retainer, Motor, Hyd	1
▲	4	74168	(008000–)	Screw, Cap, Motor, Hyd	8
▲	5	37616	(008000–)	Drive, Motor, Hyd	1
▲	6	37756	(008000–)	Geroler, Motor, Hyd	1
▲	7	74122	(008000–)	Plate, Valve, Motor, Hyd	1
▲	8	52405	(008000–)	Valve, Motor, Hyd	1
▲	9	74123	(008000–)	Valve, Motor, Hyd	1
▲	10	34178	(008000–)	Spring, Motor, Hyd	2
▲	11	38968	(008000–)	Ring, Motor, Hyd	1
▲	12	74125	(008000–)	Bolt, Motor, Hyd	3
▲	13	38255	(008000–)	Bolt, Motor, Hyd	1
▲	14	373297	(008000–)	Housing, Valve	1
▲	15	373298	(008000–)	Plug	1
▲	16	373260	(008000–)	Plug, Pump, Hyd, Gear	2
▲	17	373299	(008000–)	Plug	1
▲	18	373291	(008000–)	Spring	2
▲	19	373217	(008000–)	Piston, Pump, Hyd, Gear	1
▲	20	373226	(008000–)	Poppet, Pump, Hyd, Gear	2
▲	21	373236	(008000–)	Sleeve, Dashpo, Pump, Hyd, Gear	2
▲	22	45622	(008000–)	Nut, Motor, Hyd	1
▲	23	45623	(008000–)	Key, Motor, Hyd	1
▲	24	79828	(008000–)	Seal Kit, Shaft	1
▲	25	33580	(008000–)	Seal Kit, Rear	1
	26	79729	(008000–)	Instr, Repair, Motor, Hyd, Gear	1

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Fig. 3 – Hydraulic Pump Breakdown, 1024251



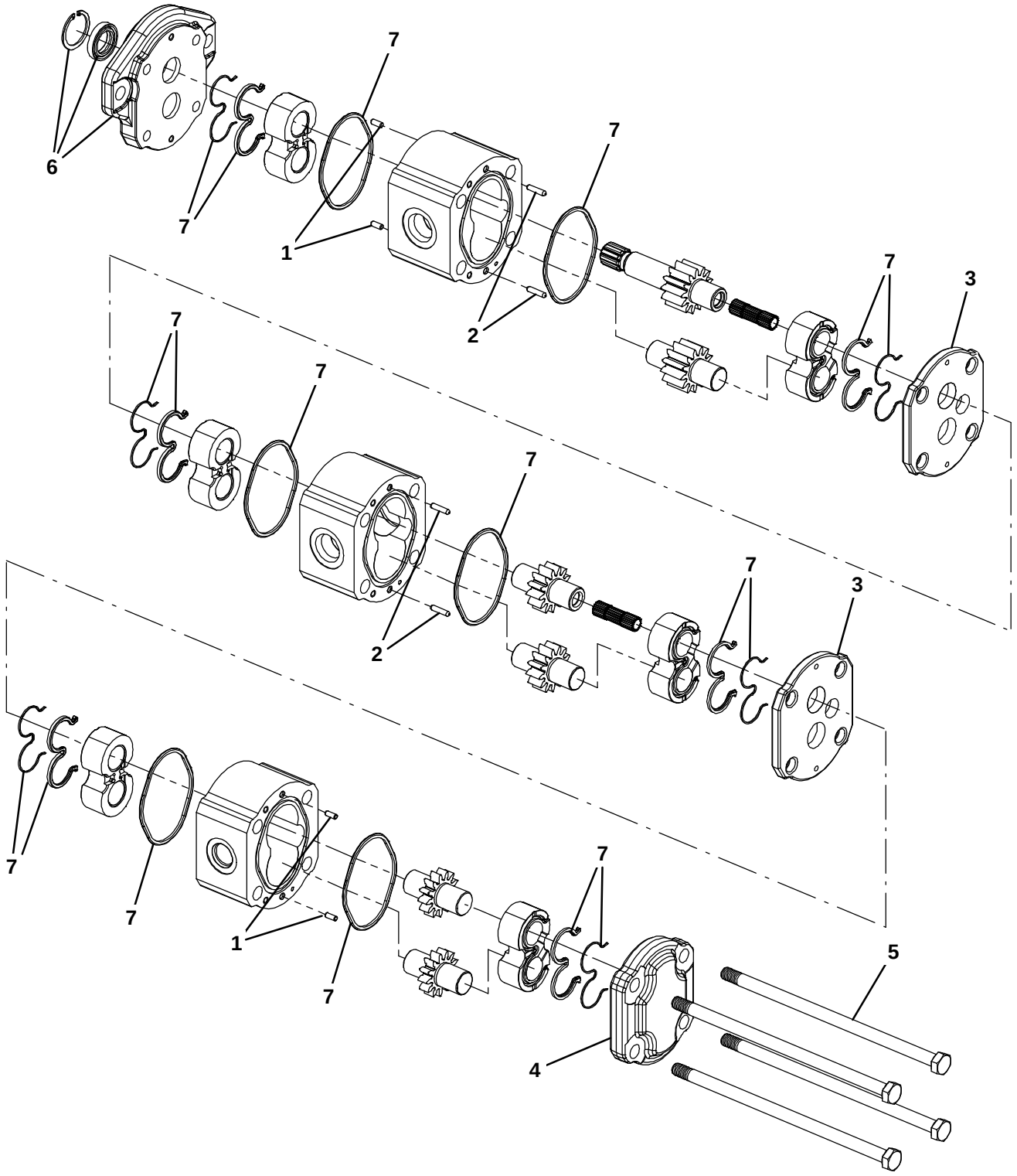
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Fig. 3 – Hydraulic Pump Breakdown, 1024251

	Ref.	Part No.	Serial Number	Description	Qty.
▽		1024251	(008000–)	Pump, Hyd, Piston, Var, 1.24 4000, Cw	1
▲	1	373681	(008000–)	Shaft, Pump	1
▲	2	373427	(008000–)	Cover, End	1
▲	3	373389	(008000–)	Housing	1
▲	4	02706	(008000–)	Pump Kit, Hyd, Rotating [Cessna]	1
▲	5	373493	(008000–)	Plate, Cam	1
▲	6	70096	(008000–)	Washer, Flat, Pump, Hyd	1
▲	7	55926	(008000–)	Ring, Retaining, Pump, Hyd	1
▲	8	373434	(008000–)	Ring, Retaining	2
▲	9	74225	(008000–)	Bearing, Thrust, Pump, Hyd	1
▲	10	74226	(008000–)	Race, Brg, Pump, Hyd	2
▲	11	373327	(008000–)	Insert, Plt, Cam, Pump, Hyd	1
▲	12	373391	(008000–)	Washer, Pump, Hyd [En]	6
▲	13	373346	(008000–)	Screw, Cap	6
▲	14	373494	(008000–)	Valve, Relief, 4000 Psi	1
▲	15	373678	(008000–)	Valve, Relief, 3000 Psi	1
▲	16	373317	(008000–)	Bearing, Cone, Pump, Hyd	2
▲	17	373393	(008000–)	Plate, Cover	1
▲	18	373394	(008000–)	Plate, Cover	1
▲	19	70100	(008000–)	Pin, Dowel, Pump, Hyd	2
▲	20	373347	(008000–)	Screw, Cap	2
▲	21	373348	(008000–)	Screw, Cap	2
▲	22	74237	(008000–)	Key, Shaft, Pump, Hyd	1
▲	23	373679	(008000–)	Coupler, Pump	1
▲	24	373680	(008000–)	Ring, Lock	1
▲	25	373395	(008000–)	Bearing, Cup	2
▲	26	74180	(008000–)	Plate, Valve, Pump, Hyd	1
▲	27	13907	(008000–)	Fitting, Hyd, Plug, Om08	1
▲	28	373413	(008000–)	Actuator, Valve, By–Pass [En]	1
▲	29	373398	(008000–)	Seal Kit, Pump, Hyd	1
▲	30	373402	(008000–)	Shim Kit	1
	31	373429	(008000–)	Instr, Repair, Pump	1

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Fig. 4 – Hydraulic Gear Pump Breakdown, 1034448



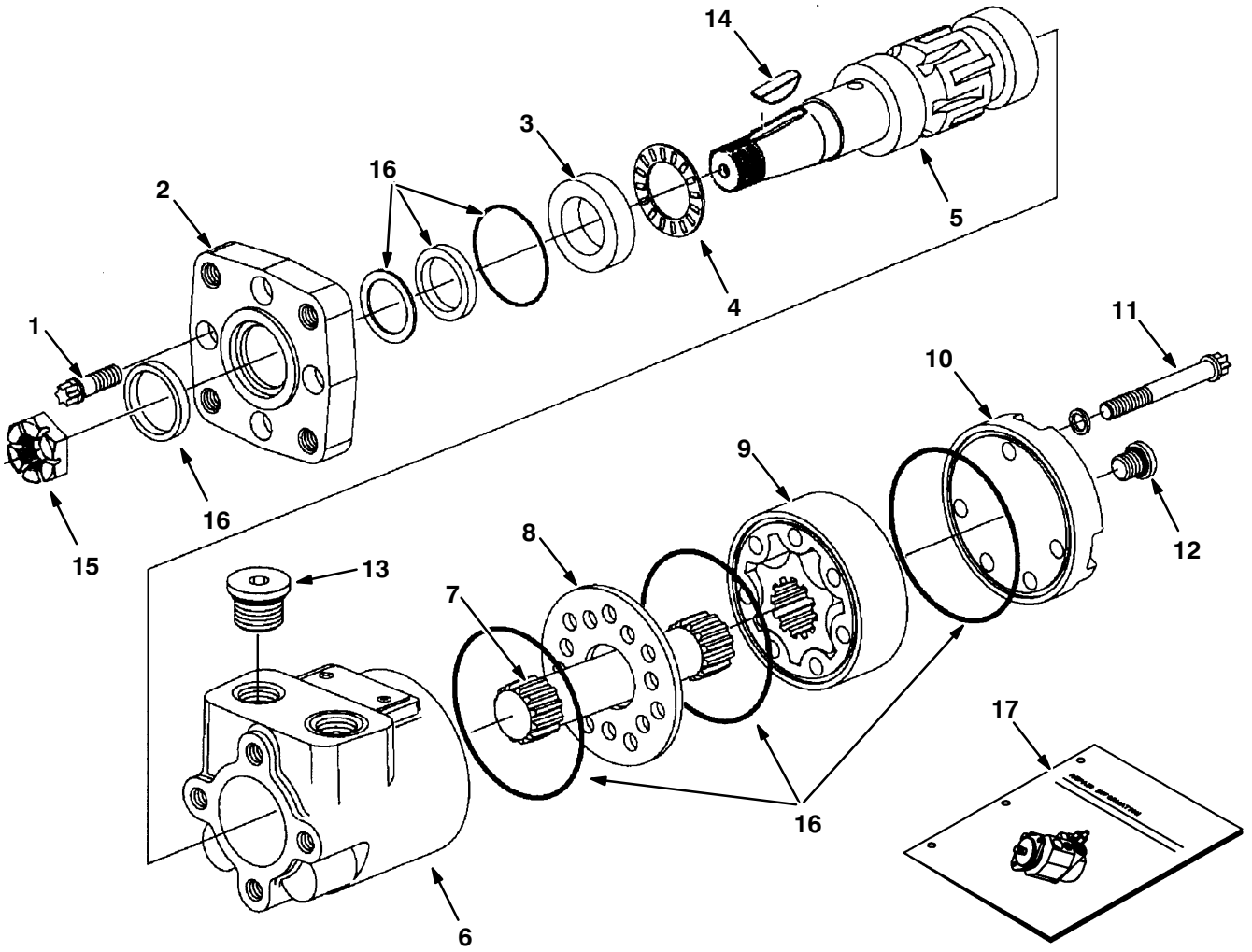
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354712

Fig. 4 – Hydraulic Gear Pump Breakdown, 1034448

	Ref.	Part No.	Serial Number	Description	Qty.
▽		1034448	(008000–)	Pump, Hyd, Gear, Ext, 3, 00.85 2500, Cw	1
▲	1	21936	(008000–)	Pin, Dowel [Bn]	4
▲	2	21937	(008000–)	Pin, Dowel [Bn]	4
▲	3	21938	(008000–)	Plate, Distance, Pump, Hyd	2
▲	4	21939	(008000–)	Cover, End, Hyd Pump	1
▲	5	9004473	(008000–)	Bolt, M10x1.5	4
▲	6	21942	(008000–)	Flange Kit	1
▲	7	21946	(008000–)	Seal Kit, Pump, Hyd	1

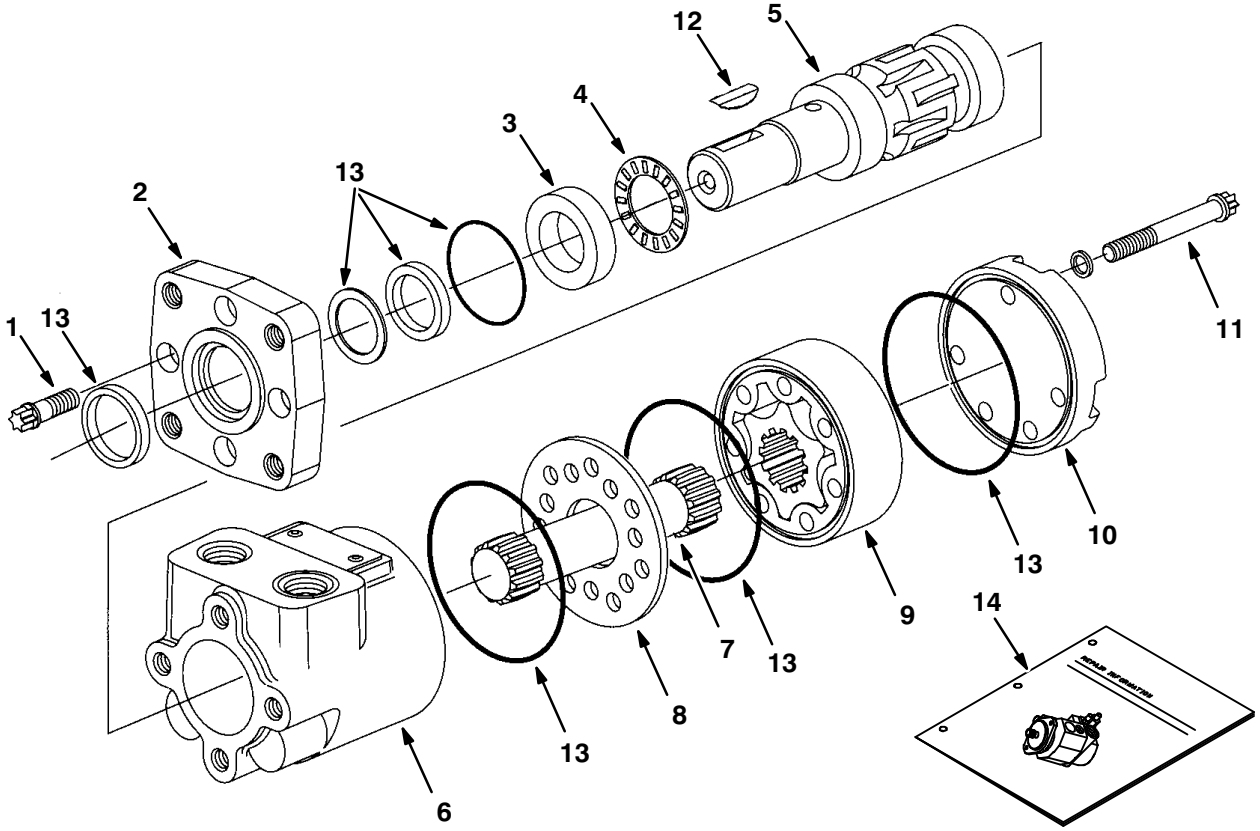
Fig. 5 – Hydraulic Motor Breakdown, 71729



09606–09670 – ALL

	Ref.	Part No.	Serial Number	Description	Qty.
▽		71729	(008000–)	Motor, Hyd Gear In 4.5 B 1500	1
▲	1	37555	(008000–)	Screw	4
▲	2	31354	(008000–)	Flange Mounting	1
▲	3	16695	(008000–)	Race Thrust	1
▲	4	45628	(008000–)	Thrust Bearing	1
▲	5	31375	(008000–)	Shaft, Output	1
▲	6	74100	(008000–)	Housingl	1
▲	7	31379	(008000–)	Drive	1
▲	8	74094	(008000–)	Spacer Plate	1
▲	9	31383	(008000–)	Gerotor Set	1
▲	10	74095	(008000–)	End Cap	1
▲	11	65241	(008000–)	Cap Screw	5
▲	12	74098	(008000–)	Plug #4	1
▲	13	74099	(008000–)	Plug #10	2
▲	14	00500–15	(008000–)	Key–Wdruff 0.25 1.00	1
▲	15	39527	(008000–)	Nut–Hxslot .75–16 Pltd	1
▲	16	61490	(008000–)	Seal Replmt Kit	1
▲	17	74250	(008000–)	Instr. Repair Info, Motor	1

Fig. 6 – Hydraulic Motor Breakdown, 1029379

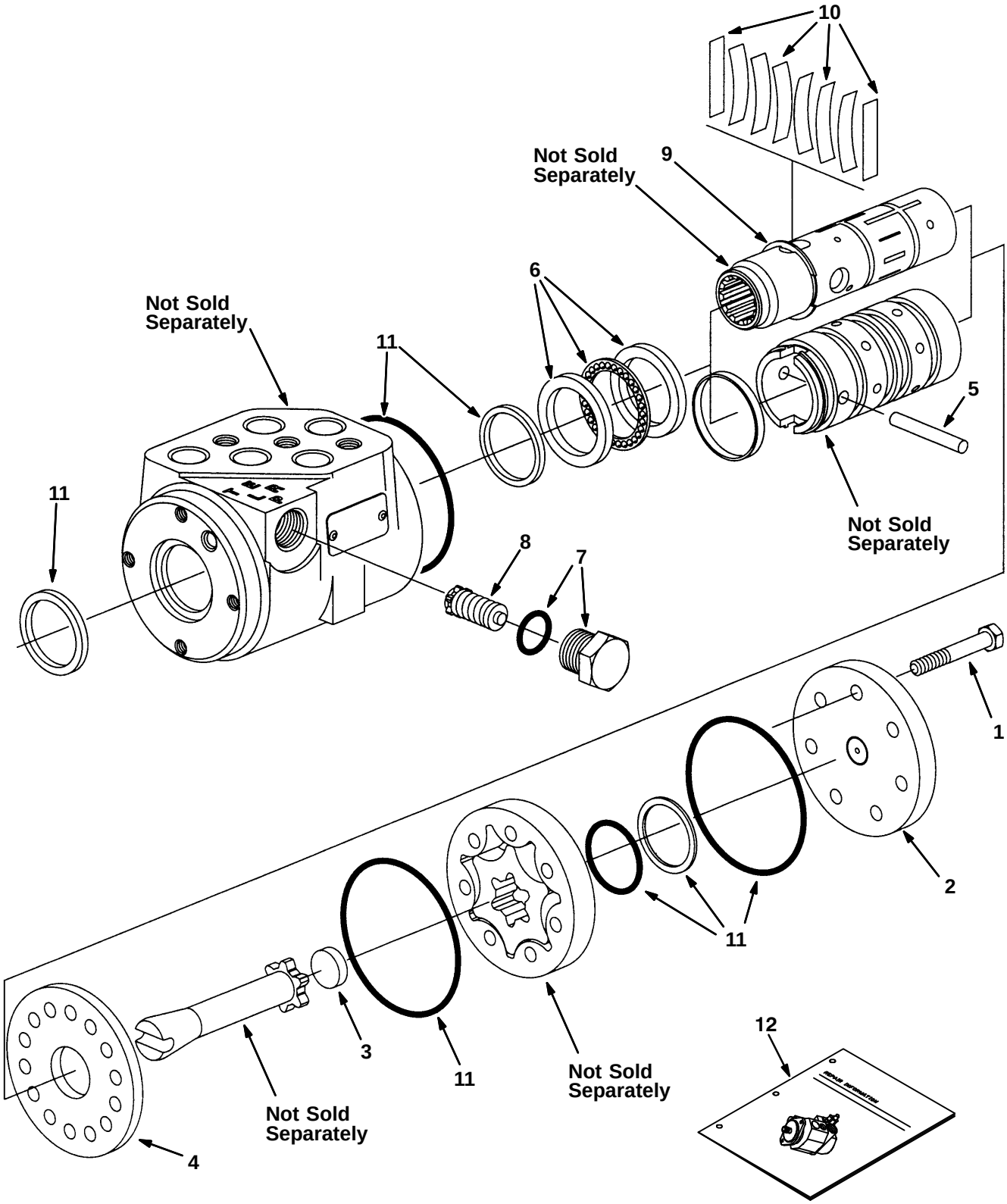


10859–09670 – ALL

	Ref.	Part No.	Serial Number	Description	Qty.
▽		1029379	(008000–)	Motor, Hyd, Gear, Int 08.9 Bi–Dir 2500	1
▲	1	37555	(008000–)	Screw, Motor, Hyd [En]	4
▲	2	31354	(008000–)	Flange, Motor, Hyd [En]	1
▲	3	16695	(008000–)	Ace, Thrust, Motor, Hyd [En]	1
▲	4	45628	(008000–)	Bearing, Thrust	1
▲	5	28854	(008000–)	Shaft, Output, Motor, Hyd [En]	1
▲	6	74100	(008000–)	Housing, Motor, Hyd [En]	1
▲	7	21955	(008000–)	Drive [Cl]	1
▲	8	74094	(008000–)	Plate, Spacer, Motor, Hyd [En]	1
▲	9	21956	(008000–)	Gerotor Set [Cl]	1
▲	10	65230	(008000–)	End Cap, Motor, Hyd [En]	1
▲	11	21958	(008000–)	Cap Screw Cl	5
▲	12	00500–15	(008000–)	Key, Woodruff, 0.25 1.00 [Asa#0808]	1
▲	13	61490	(008000–)	Seal Kit, Motor [Cl]	1
▲	14	74250	(008000–)	Instr, Motor, Hyd, Repair [En]	1

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Fig. 7 – Hydraulic Steering Valve Breakdown, 1024260



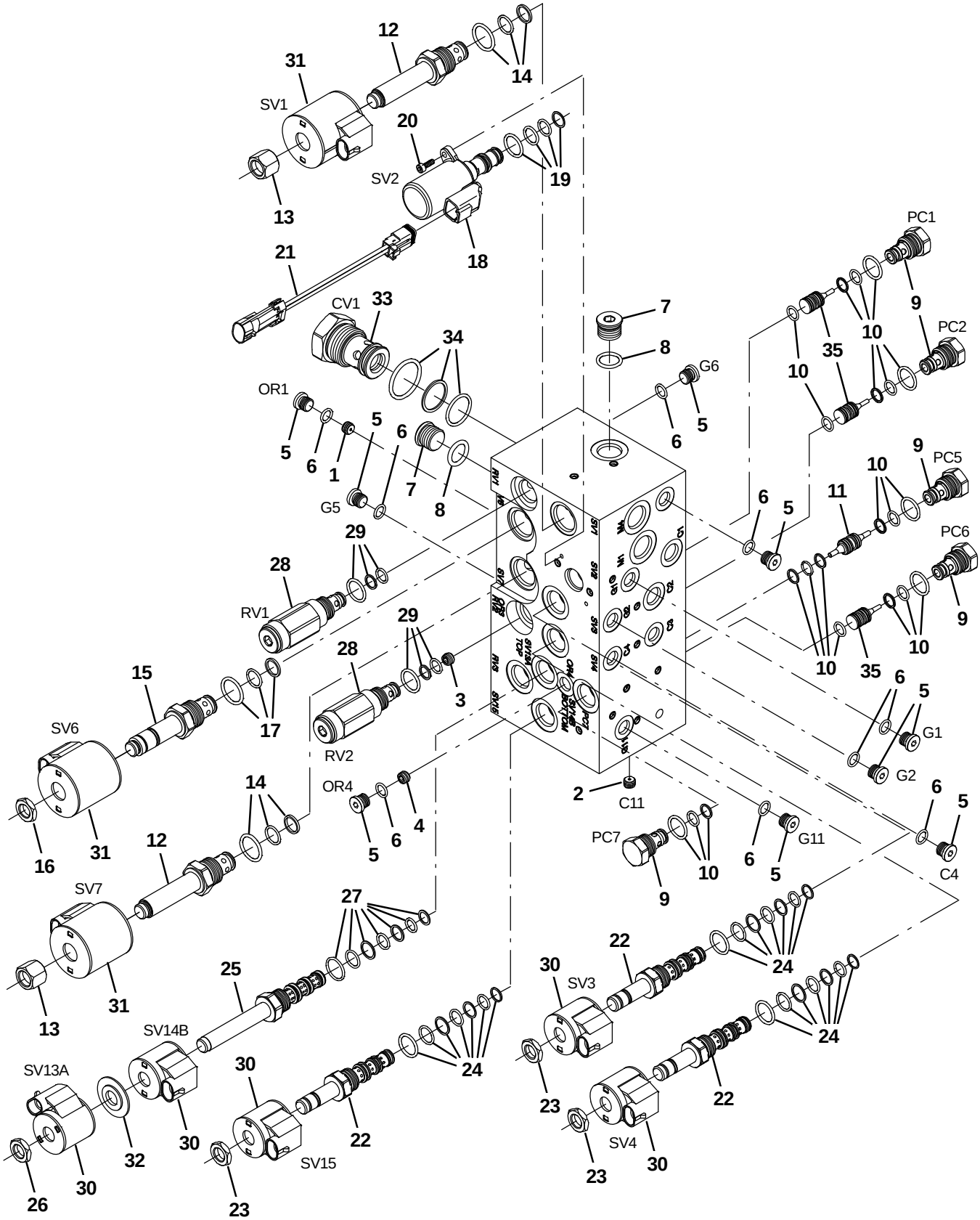
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Fig. 7 – Hydraulic Steering Valve Breakdown, 1024260

	Ref.	Part No.	Serial Number		Description	Qty.
▽		1024260	(008000–	)	Steer–Control, Hyd05, 06.1 2030	1
▲	1	74183	(008000–	)	Screw, Valve, Steering	7
▲	2	74185	(008000–	)	Cap, End, Valve, Steering	1
▲	3	74193	(008000–	)	Spacer, Valve, Steering	1
▲	4	74222	(008000–	)	Plate, Wear, Steering Valve	1
▲	5	74232	(008000–	)	Pin, Valve, Steering	1
▲	6	21935	(008000–	)	Bearing Kit [Cl]	1
▲	7	21933	(008000–	)	Plug Assy [Cl]	1
▲	8	21934	(008000–	)	Valve Assy, Relief [Cl]	1
▲	9	74243	(008000–	)	Ring, Retainer, Steering Valve	1
▲	10	74196	(008000–	)	Spring Kit, Scu [Cl]	1
▲	11	74244	(008000–	)	Seal Kit, Steering [Cl]	1
▲	12	74245	(008000–	)	Instr, Valve, Steering, Repair	1

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Fig. 8 – Hydraulic Valve Breakdown, 1072995



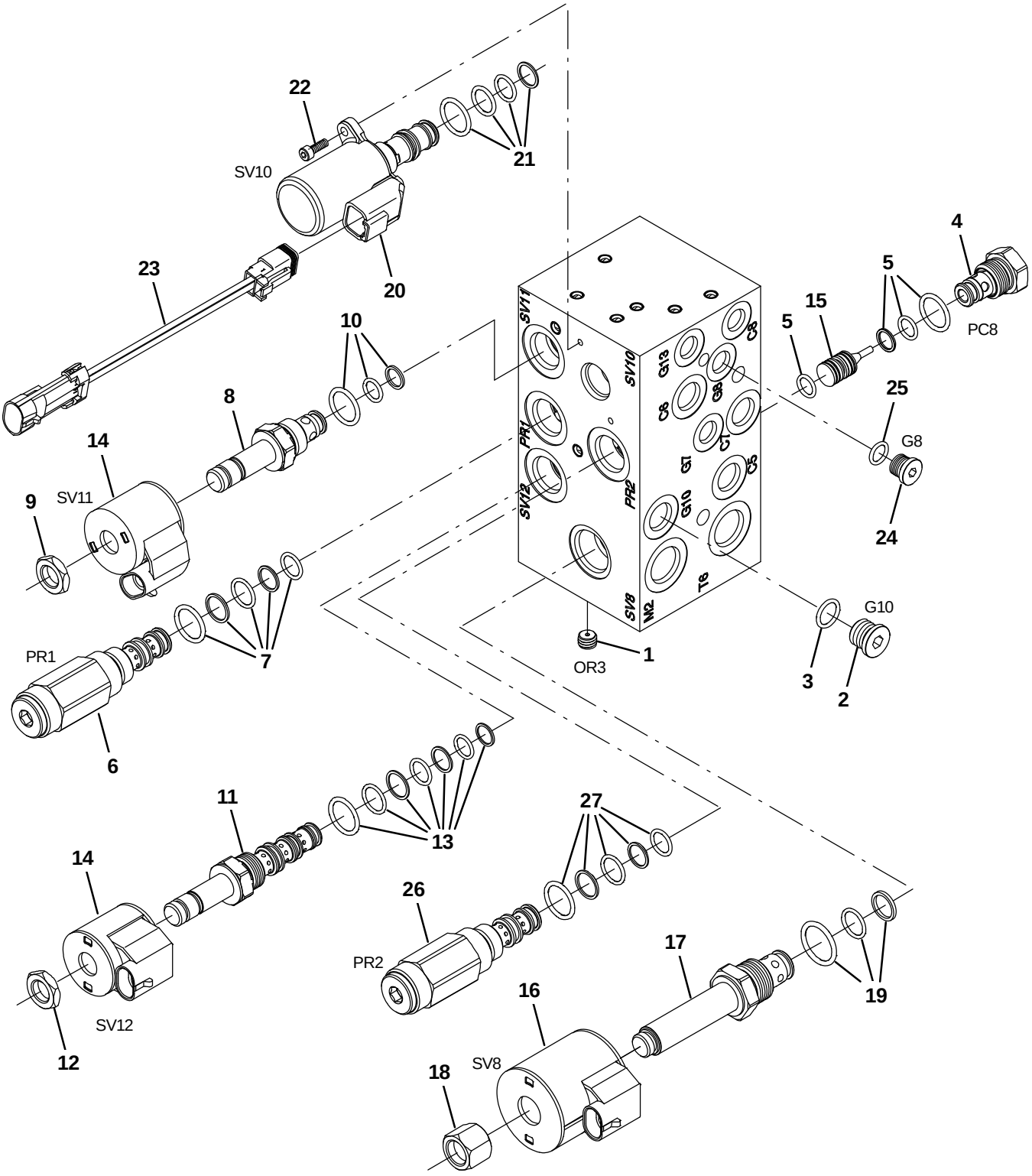
356401 – M20

Fig. 8 – Hydraulic Valve Breakdown, 1072995

	Ref.	Part No.	Serial Number	Description	Qty.
▽		1072995	(008000–)	Valve, Cntrl, Hyd, Solenoid, 12vdc 10gpm	1
▲	1	373665	(008000–)	Plug, Orifice, Valve, Hyd, .046	1
▲	2	373633	(008000–)	Plug, Orifice, Valve, Hyd, .040	1
▲	3	9004475	(008000–)	Plug Orifice, Valve, Hyd, .140	1
▲	4	373660	(008000–)	Plug, Orifice, Valve, Hyd, .030	1
▲▽	5	74098	(008000–)	Fitting, Hyd, Plug, Om04	9
▲▲	6	77003	(008000–)	Seal, Org, .072 X 00.35id #04	1
▲▽	7	13904	(008000–)	Fitting, Plug, Org, #6, Valve [Cec]	2
▲▲	8	77005	(008000–)	Seal, Org, .078 X 00.47id #06	1
▲▽	9	373656	(008000–)	Valve, Check	5
▲▲	10	373647	(008000–)	Seal Kit, Cartridge	1
▲	11	373688	(008000–)	Spool, Pilot, Dual, Hyd	1
▲▽	12	373663	(008000–)	Valve, Stem, No	2
▲▲	13	373670	(008000–)	Nut, Solenoid	1
▲▲	14	373671	(008000–)	Seal Kit, Cartridge	1
▲▽	15	373667	(008000–)	Stem, Valve, Hyd	1
▲▲	16	373648	(008000–)	Nut, Coil, F/#8	1
▲▲	17	373671	(008000–)	Seal Kit, Cartridge	1
▲▽	18	9011347	(008000–)	Valve Assy [Proportional]	1
▲▲	19	9011343	(008000–)	Seal Kit, Valve [Ehpr98]	1
▲▲	20	9011345	(008000–)	Screw, Mtg [Ehpr98]	2
▲▲	21	9011346	(008000–)	Harness, Jumper [Deutsch To Mpack]	1
▲▽	22	373657	(008000–)	Stem, Valve, Hyd [4w2p]	3
▲▲	23	373648	(008000–)	Nut, Coil, F/#8	1
▲▲	24	373647	(008000–)	Seal Kit, Cartridge	1
▲▽	25	373637	(008000–)	Valve, Cntrl, Solenoid	1
▲▲	26	373684	(008000–)	Nut, Coil, Nyl Patch	2
▲▲	27	373671	(008000–)	Seal Kit, Cartridge	1
▲▽	28	373666	(008000–)	Valve, Relief	2
▲▲	29	373647	(008000–)	Seal Kit, Cartridge	1
▲	30	373640	(008000–)	Solenoid, #8, 12vdc	5
▲	31	373642	(008000–)	Solenoid, #10, 12vdc	3
▲	32	373639	(008000–)	Spacer, Coil, #8	1
▲▽	33	373668	(008000–)	Valve, Check	1
▲▲	34	373671	(008000–)	Seal Kit, Cartridge	1
▲	35	373658	(008000–)	Spool, Pilot, Hyd	3

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Fig. 9 – Hydraulic Valve Breakdown, 1072997



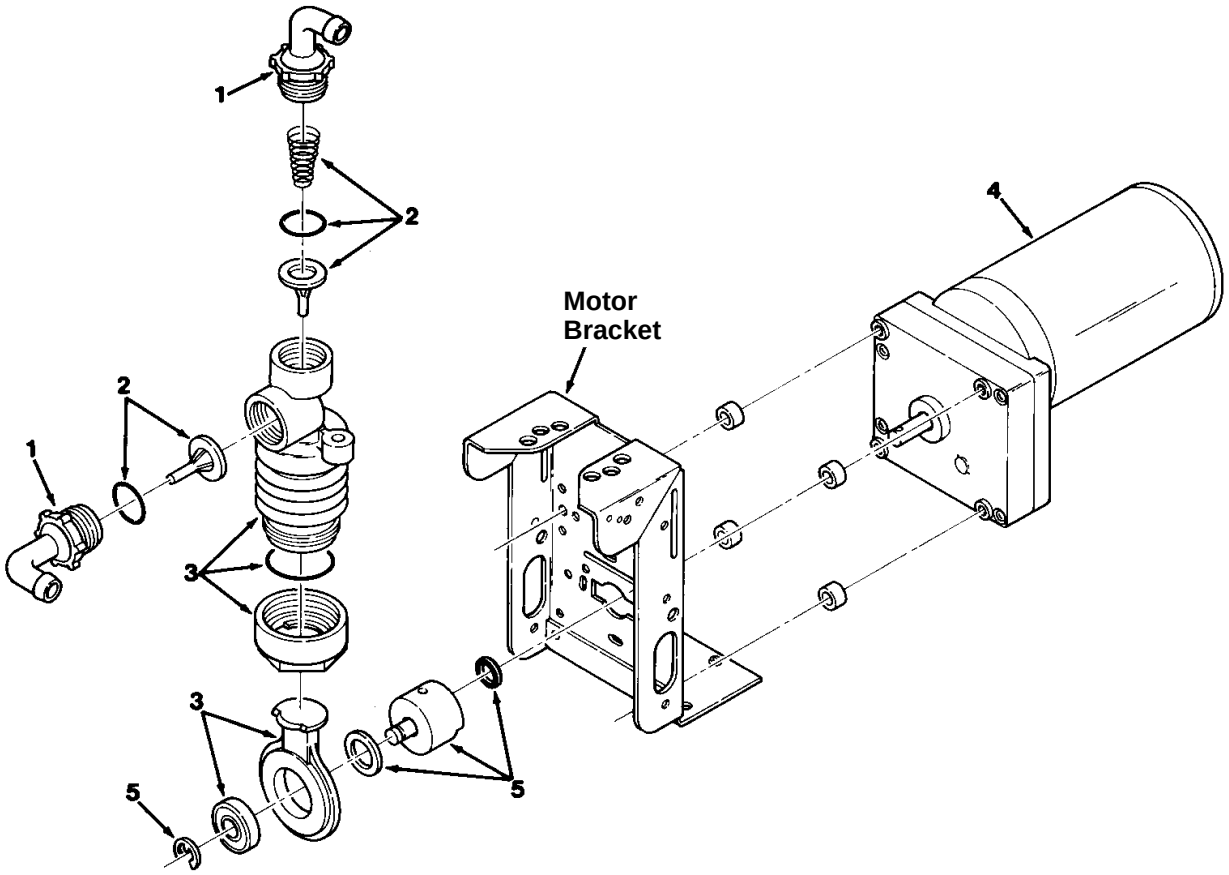
356403 – ALL

Fig. 9 – Hydraulic Valve Breakdown, 1072997

	Ref.	Part No.	Serial Number	Description	Qty.
▽		1072997	(008000–)	Valve, Cntrl, Hyd, Solenoid, 03/16gpm	1
▲	1	373633	(008000–)	Plug, Orifice, Valve, Hyd, .040	1
▲▽	2	13904	(008000–)	Fitting, Plug, Org, #6, Valve [Cec]	1
▲▲	3	77005	(008000–)	Seal, Org, .078 X 00.47id 06	1
▲▽	4	373656	(008000–)	Valve, Check	1
▲▲	5	373647	(008000–)	Seal Kit, Cartridge	1
▲▽	6	373661	(008000–)	Valve, Relief	2
▲▲	7	373647	(008000–)	Seal Kit, Cartridge	1
▲▽	8	373662	(008000–)	Stem, Valve, Hyd	1
▲▲	9	373648	(008000–)	Nut, Coil, Nyl Patch	1
▲▲	10	373647	(008000–)	Seal Kit, Cartridge	1
▲▽	11	373657	(008000–)	Stem, Valve, Hyd [4w2p]	1
▲▲	12	373648	(008000–)	Nut, Coil, F/#8	1
▲▲	13	373647	(008000–)	Seal Kit, Cartridge	1
▲	14	373640	(008000–)	Solenoid, #8, 12vdc	3
▲	15	373658	(008000–)	Spool, Pilot, Hyd	1
▲	16	373642	(008000–)	Solenoid, #10, 12vdc	1
▲▽	17	373663	(008000–)	Valve, Stem, No	1
▲▲	18	373670	(008000–)	Nut, Solenoid	1
▲▲	19	373646	(008000–)	Seal Kit, Cartridge	1
▲▽	20	9011347	(008000–)	Valve Assy [Proportional]	1
▲▲	21	9011343	(008000–)	Seal Kit, Valve [Ehpr98]	1
▲▲	22	9011345	(008000–)	Screw, Mtg [Ehpr98]	2
▲▲	23	9011346	(008000–)	Harness, Jumper [Deutsch To Mpack]	1
▲▽	24	13904	(008000–)	Fitting, Plug, Org, #6, Valve [Cec]	1
▲▲	25	77005	(008000–)	Seal, Org, .078 X 00.47id 06	1
▲▽	26	373683	(008000–)	Valve, Relief	1
▲▲	27	373647	(008000–)	Seal Kit, Cartridge	1

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Fig. 10 – Metering Solution Pump Breakdown, 73260

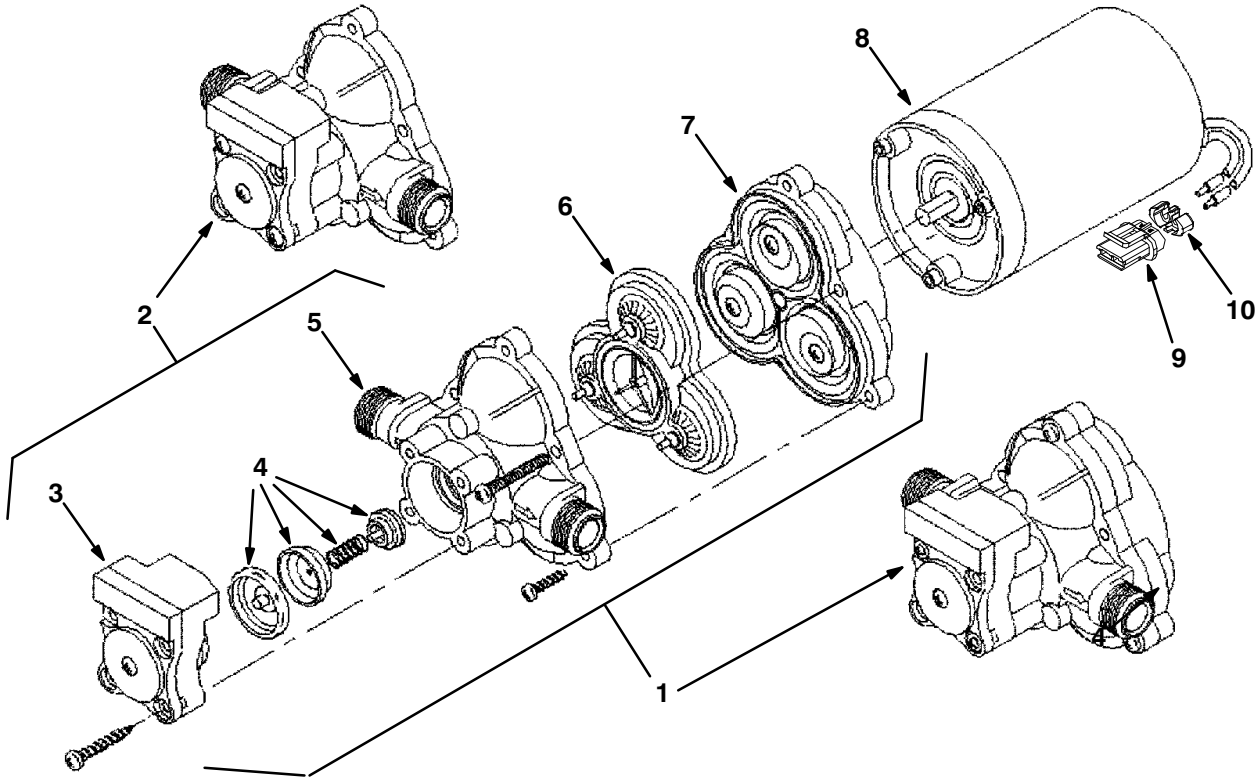


00112 – ALL

	Ref.	Part No.	Serial Number		Description	Qty.
▽		73260	(008000–	)	Pump, Detgt, 14vdc, 150ml/Min 20psi	1
▲	1	63923	(008000–	)	Tubing Connctr.Kit, Gorman Pmp	1
▲	2	21659	(008000–	)	Valve Kit, Poppet, Gorman Rupp	1
▲	3	21657	(008000–	)	Kit, Bellows, Pump, Detgt	1
▲	4	78875	(008000–	)	Motor, Ele, Gear, 14vdc, Pump, Detgt	1
▲	5	02430	(008000–	)	Crank Kit, Pump, F/79323, Replmt	1

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Fig. 11 – Water Pump Breakdown, 1026743

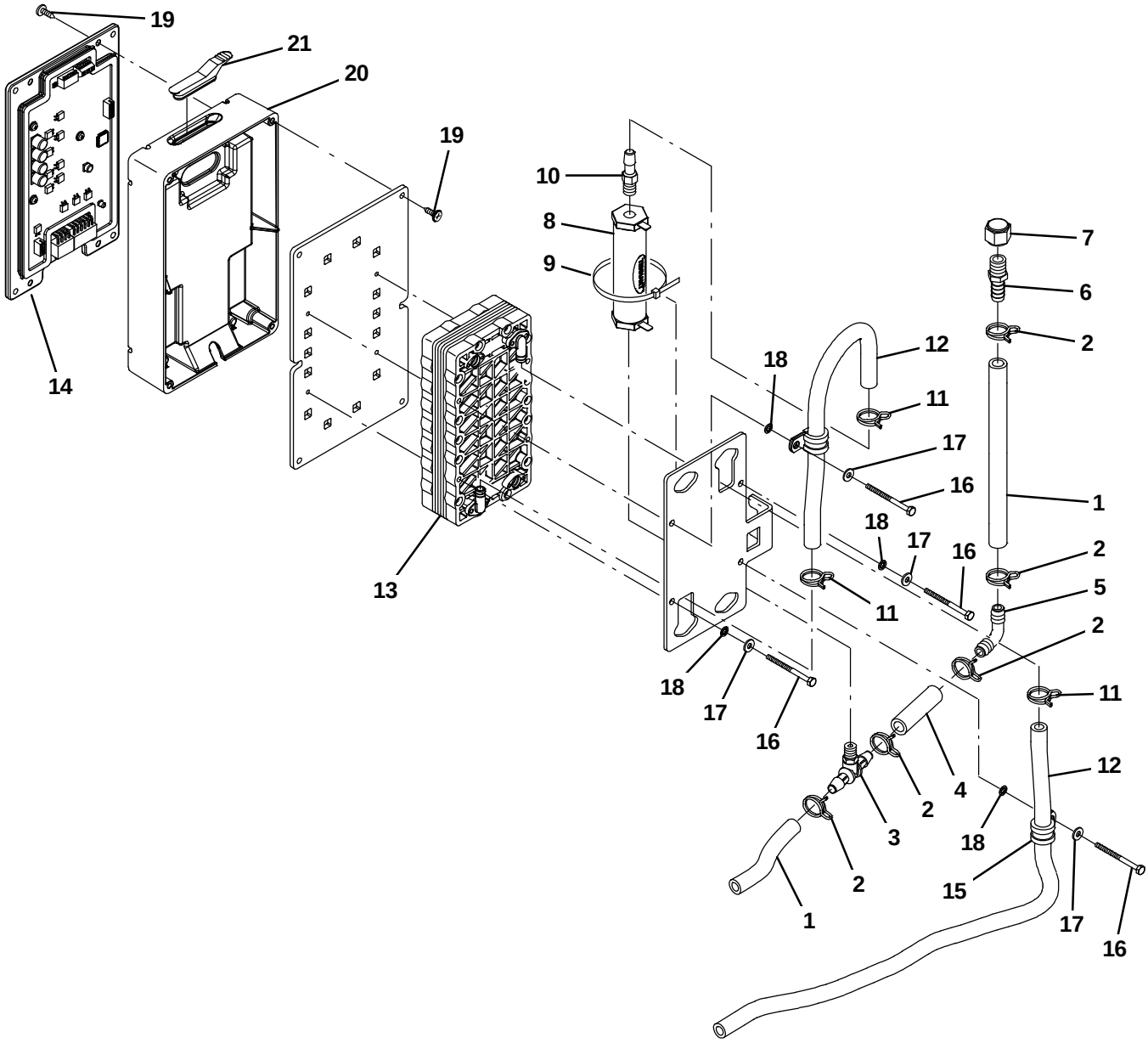


07490 – 09670

	Ref.	Part No.	Serial Number		Description	Qty.
▽		1026743	(008000–	)	Pump, Diaphragm	1
▲	1	1031802	(008000–	)	Complete Pump Kit, Pump, Repair,	1
▲	2	1031803	(008000–	)	Hsg & Switch Kit, Pump, Repair,	1
▲	3	1031796	(008000–	)	Switch Kit, Pump, Repair,	1
▲	4	1031797	(008000–	)	Chech Valve Kit, Pump, Repair,	1
▲	5	1031798	(008000–	)	Upper Hsg Kit, Pump, Repair,	1
▲	6	1031799	(008000–	)	Bypass Valve Kit, Pump, Repair,	1
▲	7	1031800	(008000–	)	Diaphragm Kit, Pump, Repair,	1
▲	8	1031801	(008000–	)	Motor Kit, Pump, Repair,	1
▲	9	78950	(008000–	)	Connector, Fem, 02cav, Mp280 Sealed	1
▲	10	78952	(008000–	)	Lock, Secondary, 2cav, Mp280 Sealed	1
▲		78951	(008000–	)	Terminal, Fem, Mp280, Sealed, 18–16ga	2
▲		10917	(008000–	)	Seal, Wire, 14/16ga [Wp / Mp280 Sealed]	2

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Fig. 12 – ec–H20 Module Assembly Breakdown, 9007882

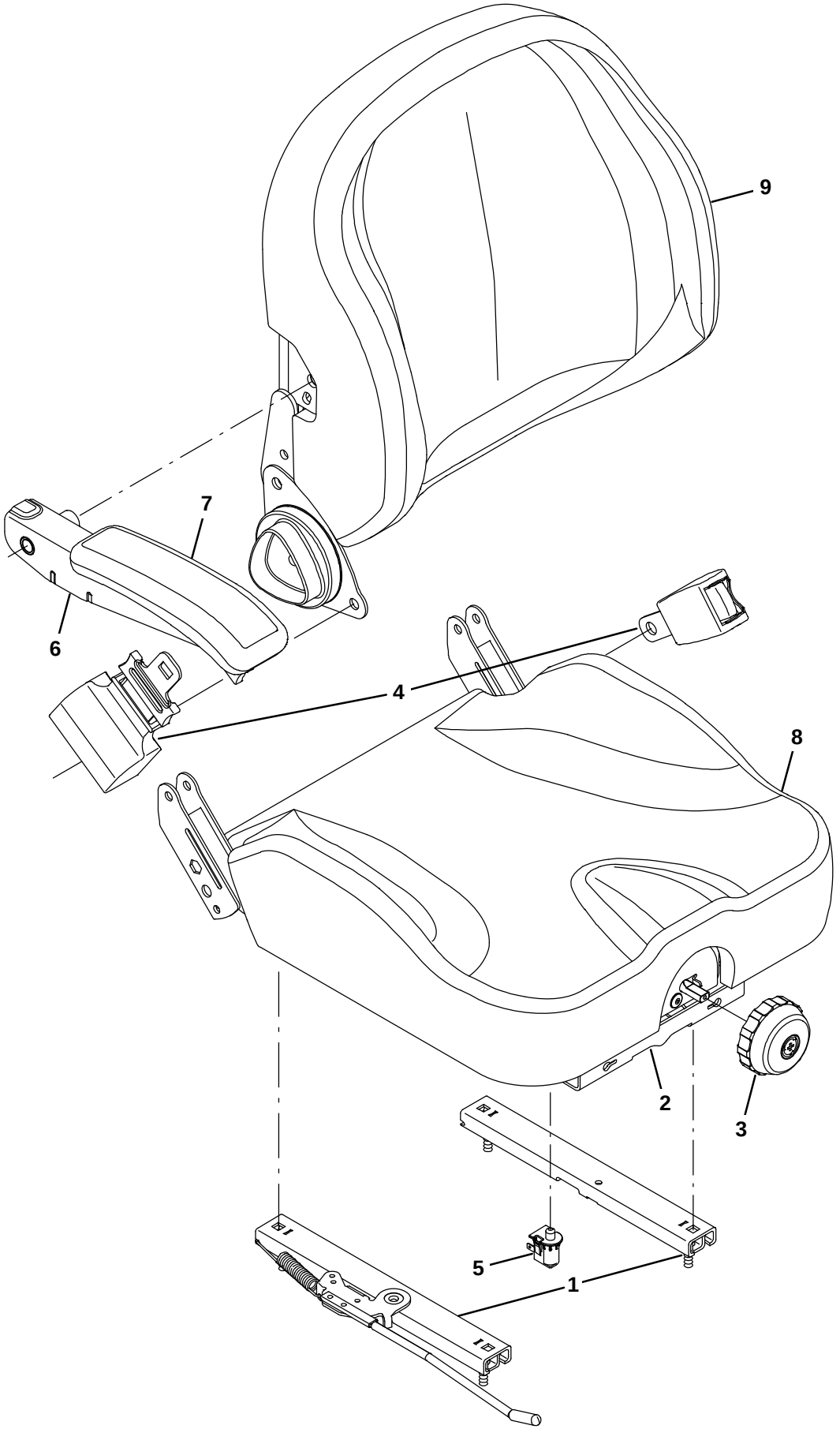


356035

Fig. 12 – ec–H20 Module Assembly Breakdown, 9007882

	Ref.	Part No.	Serial Number	Description	Qty.
▽		9007882	(008000–)	Module Kit, Replmt [Ec–H20]	1
▲	1	1014974	(008000–)	Hose, Afmkt, Pvc, Brd, 0.38id, 02ft, Clr	2
▲	2	607775	(008000–)	Clamp, Hose, Wir, .63 – .66, Blk	5
▲	3	1060517	(008000–)	Fitting, Plstc, Tee, Bm06/Pm02/Bm06	1
▲	4	1014971	(008000–)	Hose, Afmkt, Pvc, Brd, 0.38id, 01ft, Clr	1
▲	5	20951	(008000–)	Fitting, Plstc, E90, Bm06/Bm06	1
▲	6	150540	(008000–)	Fitting, Plstc, Str, Bm06/Pm04	1
▲	7	1005435	(008000–)	Fitting, Plstc, Pipe, Cap, Pf04	1
▲	8	1038159	(008000–)	Electrode, Cylindrical	1
▲	9	44961	(008000–)	Tie, Cable, Nyl, 14.5l .30w 4.0 Max D	1
▲	10	1060695	(008000–)	Fitting, Plstc, Str, Pm02/Bm05	1
▲	11	1053464	(008000–)	Clamp, Hose, Wir, .52 – .56, Yel	3
▲	12	1052336	(008000–)	Hose, Afmkt, PVC, Brd, 0.31Id, 03Ft, Clr	1
▲	13	1057637	(008000–)	Electrode, 5 Plate, High Flow	1
▲	14	9007883	(008000–)	Controller Kit, Replmt [Ec–H20]	1
▲	15	1016354	(008000–)	Clamp, Cable, Ss, 0.50d X 0.50w [Insul]	2
▲	16	32509	(008000–)	Screw, Hex, M4 X 0.70 X 50, Ss	4
▲	17	41579	(008000–)	Washer, Flat, 08, Ss	4
▲	18	02938	(008000–)	Washer, Lock, Int, 08, Ss	4
▲	19	1018155	(008000–)	Screw, Pan, Phl, M5 X 0.80 X 16, Tcut,Ss	8
▲	20	1037032	(008000–)	Housing, Bottom	1
▲	21	1054776	(008000–)	Grommet, Blind	1

Fig. 13 – Seat Breakdown, 9018721



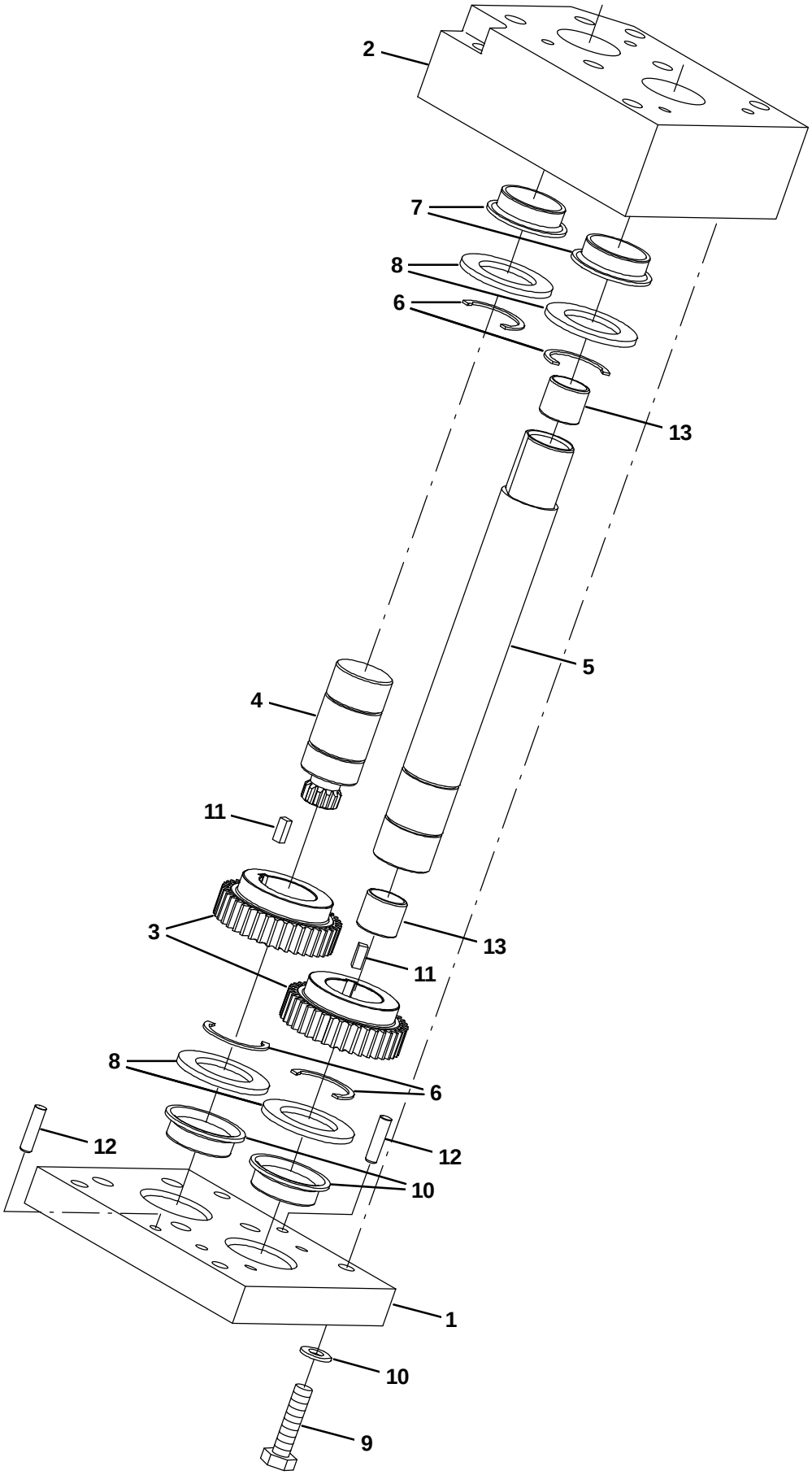
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Fig. 13 – Seat Breakdown, 9018721

	Ref.	Part No.	Serial Number	Description	Qty.
▽		9018721	(000000–)	Seat, Deluxe, Replmt [M20/T20/M30]	1
▲	1	9012585	(000000–)	Track Assy, Slide	1
▲	2	9012587	(000000–)	Bellows, Seat	1
▲	3	9012589	(000000–)	Knobs, Adjmt, Weight	1
▲	4	9018734	(000000–)	Seatbelt, Retract, Orange, Replmt	1
▲	5	9012591	(000000–)	Switch, Seat	1
▲	6	9012592	(000000–)	Armrest	1
▲	7	9012593	(000000–)	Pad, Armrest	1
▲	8	9012594	(000000–)	Cover, Cushion	1
▲	9	9012595	(000000–)	Cover, Backrest	1

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Fig. 14 – Steering Gearbox Breakdown, 9015636



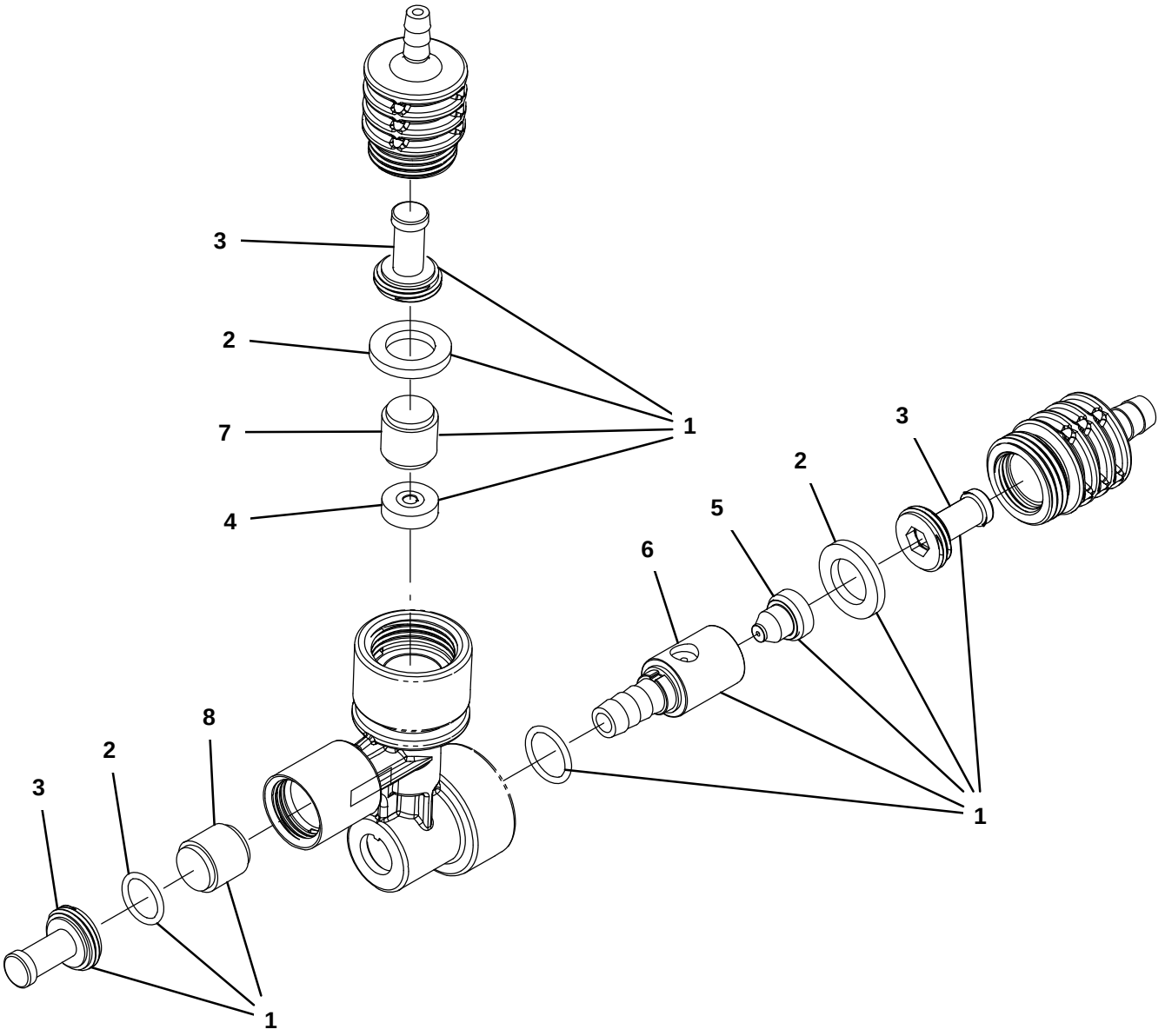
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Fig. 14 – Steering Gearbox Breakdown, 9015636

	Ref.	Part No.	Serial Number	Description	Qty.
▽		9015636	(008000–)	Gearbox Kit, Steering, Afmkt[M20/30/T20]	1
▲	1	1224091	(008000–)	Housing, Gear, Top	1
▲	2	1224092	(008000–)	Housing, Gear, Bottom	1
▲	3	1222953	(008000–)	Gear, Steering	2
▲	4	1224093	(008000–)	Shaft, Gear, Orbital	1
▲	5	1224094	(008000–)	Shaft. Sterring	1
▲	6	59861	(008000–)	Ring, Retaining, Ext, 1.25d	4
▲	7	1210624	(008000–)	Bushing, Flng, 1.25b 1.41d 0.50l	4
▲	8	763024	(008000–)	Washer, Thrust, 1.26b 1.97d 0.13, Bnz	4
▲	9	41342	(008000–)	Screw, Hex, M8 X 1.25 X 40, 8.8	4
▲	10	39349	(008000–)	Washer, Flat, 0.31, Sae	4
▲	11	00961	(008000–)	Key, Sq, 0.19 X 0.19, 0.50l	2
▲	12	83043	(008000–)	Pin, Dowel, 0.2502d X 1.00l	2
▲	13	1057785	(008000–)	Bearing, Journal, 0.75b 0.88d 0.75l	2

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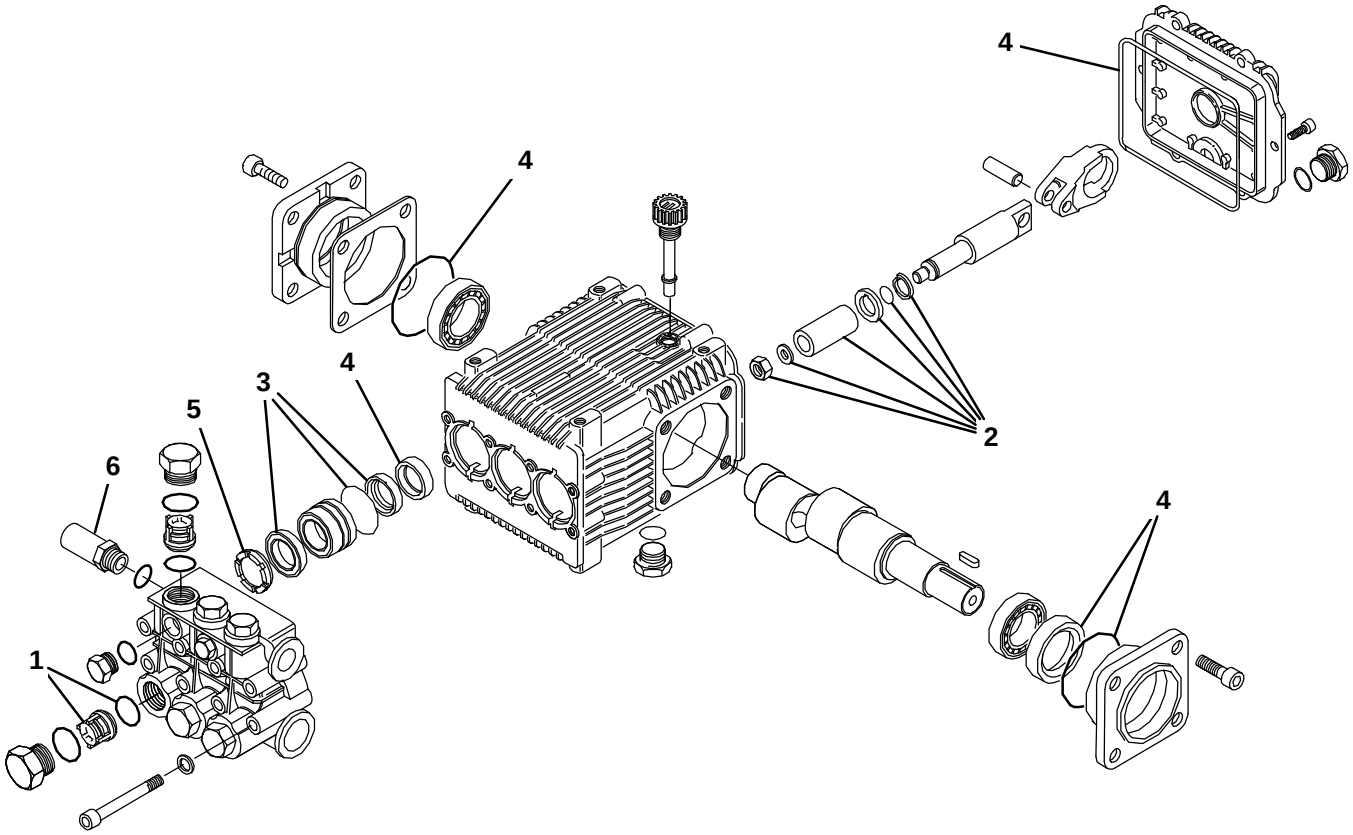
Fig. 15 – FaST Injector Assembly Breakdown, 9008868



356271

	Ref.	Part No.	Serial Number		Description	Qty.
▽		9008868	(008000–	)	FaST Kit, Injector [M20/T20/m30 FaST III}	1
▲▽	1	9008757	(008000–	)	FaST Kit, Ci [inj Rebld, M30/M20 III]	1
▲▲	2	9008848	(008000–	)	FaST Kit, Seal, injector, Ci [FaST III]	1
▲▲	3	9003009	(008000–	)	FaST Kit, Ci, Injector Filters[FaST Ii+]	1
▲▲	4	1059878	(008000–	)	Plate Assy, Orifice, 0.0105Id, Green	1
▲▲	5	1042710	(008000–	)	Plug, Orifice, 0.060, Ss [FaST Ii+]	1
▲▲	6	1059234	(008000–	)	Insert, :Lrg [Venturi, FaST III]	1
▲▲	7	1030444	(008000–	)	Valve, Check, 0002psi [FaST Ii+]	1
▲▲	8	1030441	(008000–	)	Valve, Check, 0005psi [FaST Ii+]	1

Fig. 16 – Water Pump Motor Breakdown, 1225829



354649

	Ref.	Part No.	Serial Number	Description	Qty.
▽		1225829	(000000–)	Pump, Hyd, Press Washer	1
▲	1	9004290	(000000–)	Valve Kit	1
▲	2	9004291	(000000–)	Piston Kit	1
▲	3	9004288	(000000–)	Seal Kit [Buna]	1
▲	3	9004272	(000000–)	Seal Kit [Vitron]	1
▲	4	9004289	(000000–)	Seal Kit, Oil	1
▲	5	9004292	(000000–)	Ring Kit, Sppt	1
▲	6	1227137	(000000–)	Valve, Hyd, Press Washer	1

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SECTION 5

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Fig. 1 – Cylinder Block Group

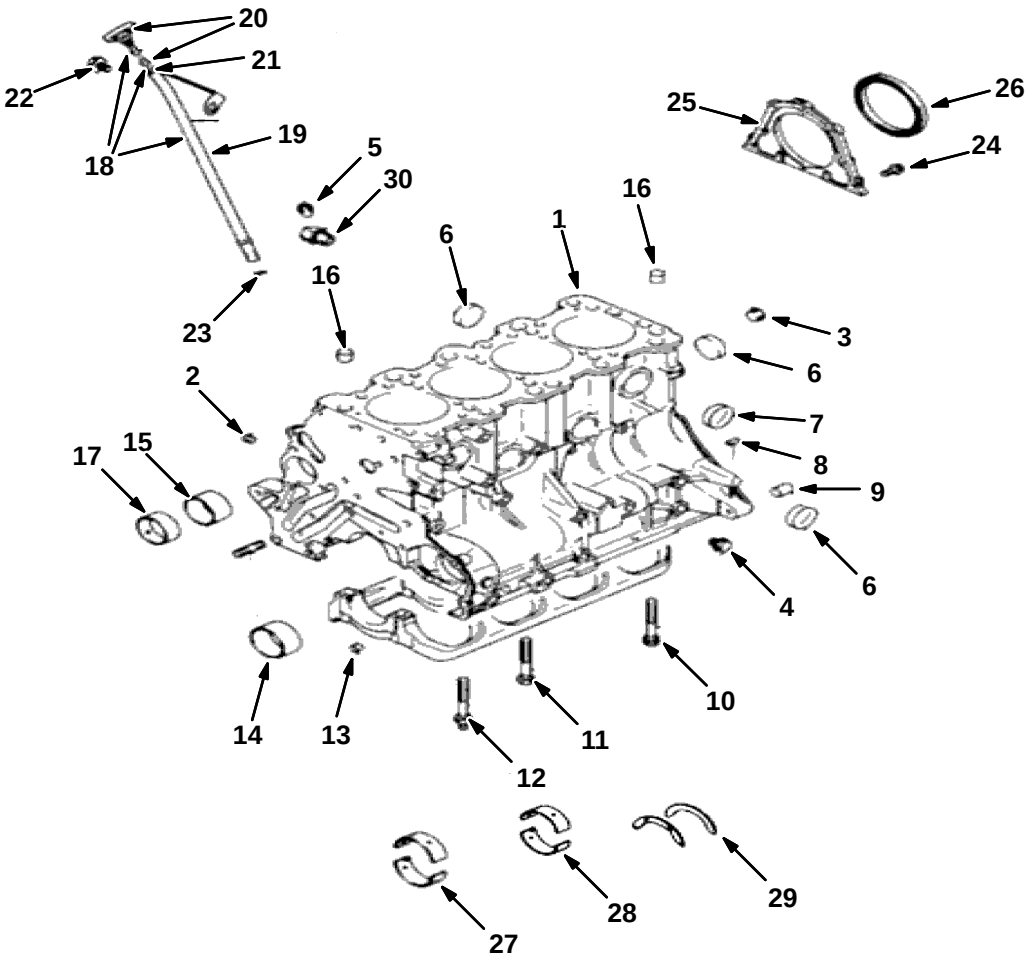
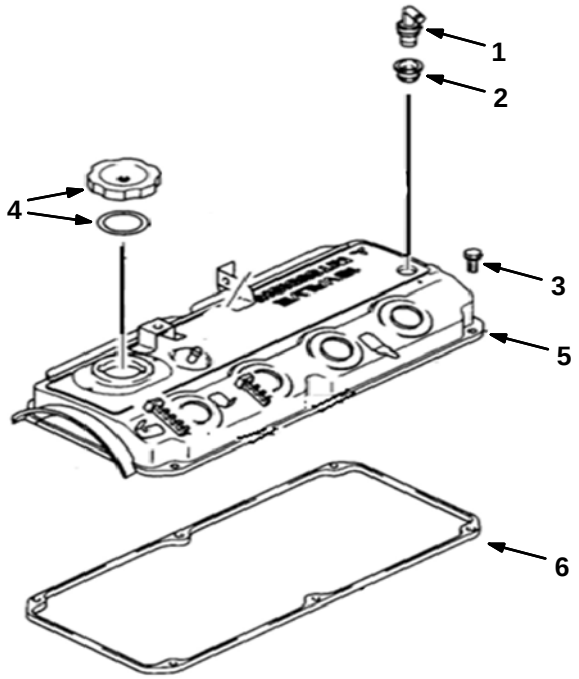


Fig. 1 – Cylinder Block Group

	Ref.	Part No.	Description	Qty.
▽	1	8003898	Block Assy, Cylinder	1
▲	2	8003899	Plug, Taper	2
▲	3	8003900	Plug, Taper	1
▲	4	8003901	Plug	1
▲	5	8003902	Plug, Taper	1
▲	6	8002903	Cap, Seal	7
▲	7	8003904	Cap, Seal	2
▲	8	8003905	Pin, Dowel	2
▲	9	8003906	Bushing, Knock	2
▲	10	8003907	Bolt, Cap, Bearing	2
▲	11	8003908	Bolt, Cap, Bearing	7
▲	12	8003909	Bolt, Cap, Bearing	1
▲	13	8003910	Bushing	2
▲	14	8003911	Bearing, Std, Balancer	1
▲	14	8003912	Bearing, Oversize [1.0]	1
▲	15	8003913	Bearing, Std, Balancer	1
▲	15	8003914	Bearing, Oversize [1.0]	1
▲	16	8003915	Bushing, Knock	2
▲	17	8003932	Bearing, Shaft, Std, Balancer	1
▲	17	8003933	Bearing, Shaft, Balancer [Ovrsz]	1
▽	18	8003916	Dipstick Assy, Guage	1
▲	19	8003917	Dipstick, Guage, Guide	1
▲▽	20	8046706	Dipstick, Oil	1
▲▲	21	8048110	O−Ring	1
	22	8003918	Bolt, Flange	1
	23	8048110	O−Ring	1
	24	8003919	Bolt, Flange	5
	25	8003920	Seal, Case, Oil, Rear	1
	26	8003921	Seal, Oil	1
	27	8003922	Bearing, Cshft [Green Std 1,2,4,5]	4
	27	8003923	Bearing, Cshft [Yellow Std 1,2,4,5] (Repl by 9010454)	4
	27	8003925	Bearing, Cshft [Lan Std 1,2,4,5]	4
	27	8003926	Bearing, Cshft [Red Std 1,2,4,5]	4
	28	4027498	Bearing, Cshft [Green Std 3]	1
	28	8003927	Bearing, Cshft [Yellow Std 3]	1
	28	8003928	Bearing, Cshft [No Color Std 3]	1
	28	8003929	Bearing, Cshft [Lan Std 3]	1
	28	8003930	Bearing, Cshft [Black Std 3]	1
	29	8003931	Bearing, Thrust, Cshft	1
	30	8048111	Drain, Water, Joint	1

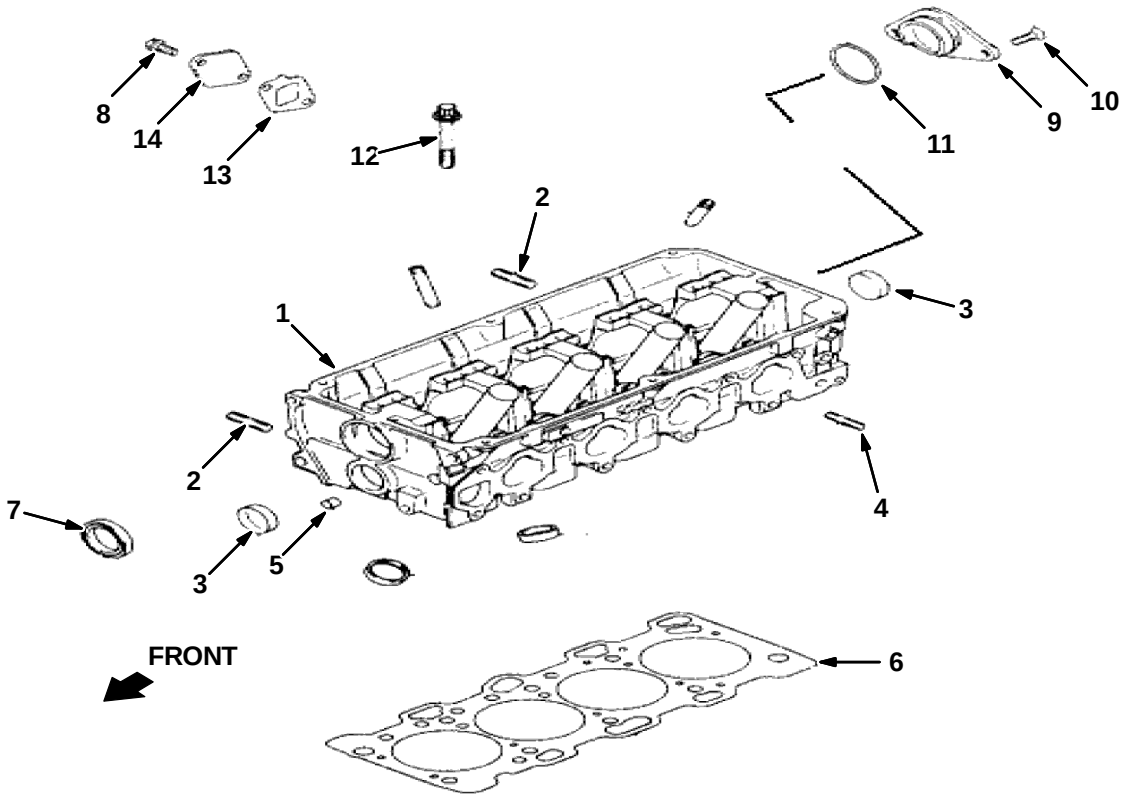
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Fig. 2 – Rocker Cover Group



Ref.	Part No.	Description	Qty.
1	9010460	Valve, Pcv	1
2	9010461	Valve, Gasket, Pcv	1
3	9010462	Bolt, Rocker, Cover	6
4	9010464	Cap, Oil, Filler	1
5	9010466	Cover Assy, Rocker	1
6	9010465	Gasket, Cover, Rocker	1

Fig. 3 – Cylinder Head Group



	Ref.	Part No.	Description	Qty.
▽	1	9014162	Head Kit, Cyl [Mitsubishi 2015 12mm]	1
▲▽		9014161	Head Assy, Cylinder[Mits 2015 12mm]	1
▲▲	2	9010473	Stud	2
▲▲	3	9010469	Seal, Cap	2
▲▲	4	9010470	Stud	3
▲▲	5	9010431	Bushing	2
▲	6	9010468	Gasket, Cylinder, Head	1
▲		9010465	Gasket, Cover, Rocker	1
▲		9014160	Plug, Spark [Mitsubishi 2015 12mm]	4
	7	9010471	Seal, Cam Shaft, Front	1
	8	9010441	Bolt, Flange	2
	9	9010480	Thurst, Case	1
	10	9010481	Screw	2
	11	9010482	O−Ring	1
	12	9010484	Cylinder Assy, Head, Bolt	10
	13	9010483	Gasket	1
	14	9010485	Cover	1

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Fig. 4 – Front Cover and Oil Pan Group

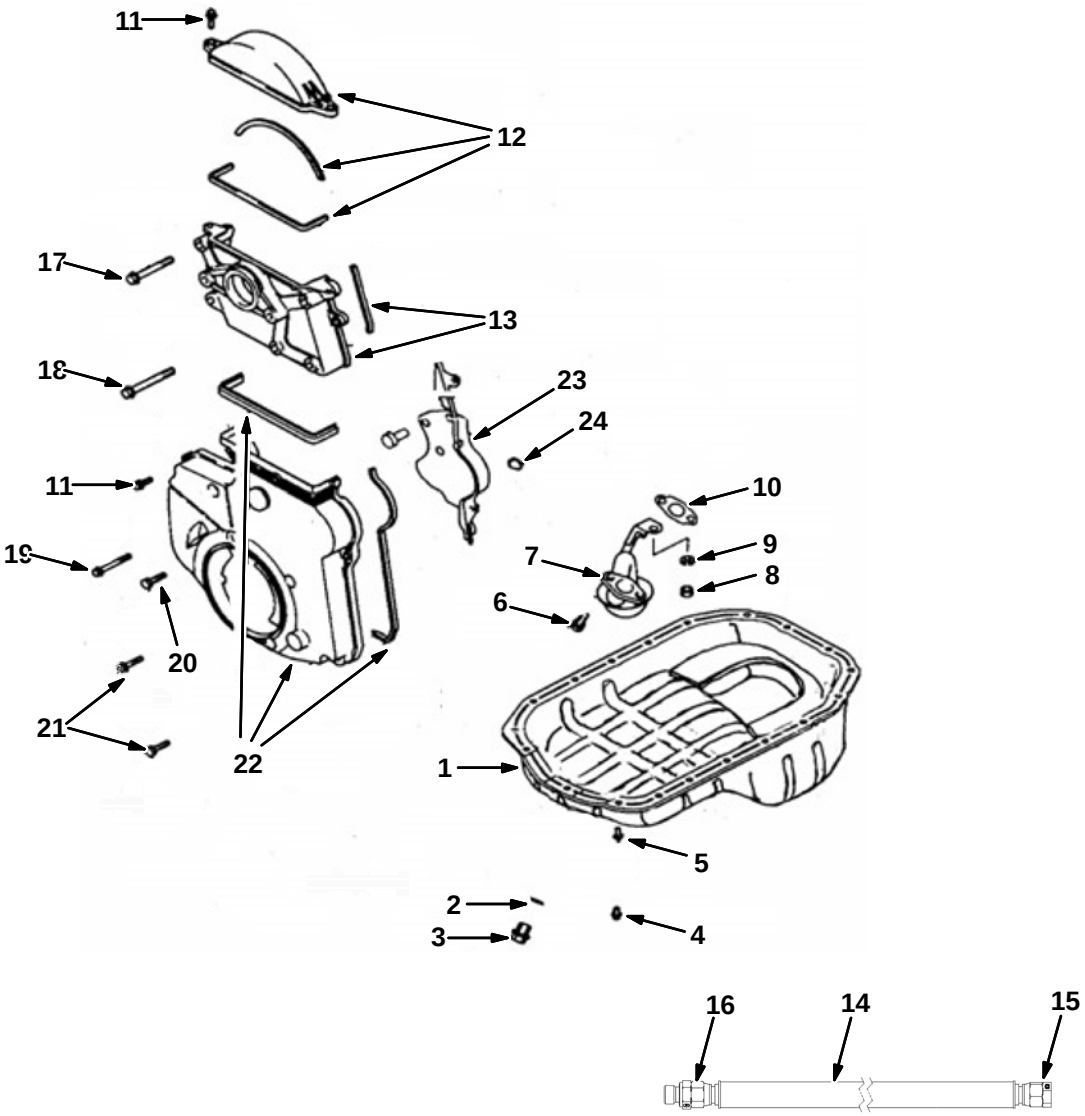
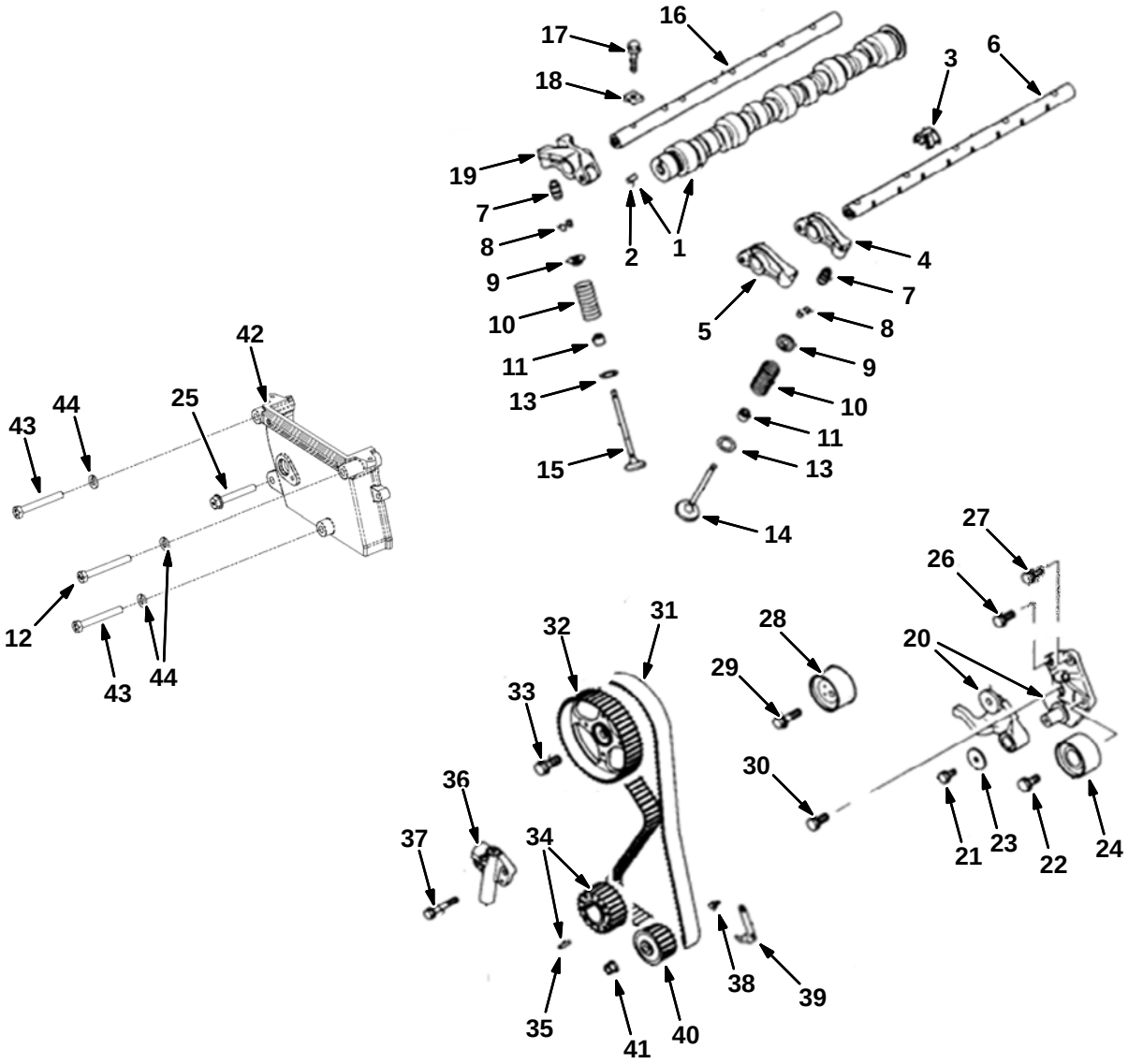


Fig. 4 – Front Cover and Oil Pan Group

	Ref.	Part No.	Description	Qty.
▽	1	9010487	Pan, Oil	1
▲	2	9010488	Gasket, Plug, Drain, Oil	1
▲	3	9010489	Plug, Oil, Drain	1
	4	9010490	Bolt, Flange	17
	5	9010491	Bolt, Flange	2
	6	9010492	Washer, Bolt	2
	7	9010493	Screen, Oil	1
	8	9010494	Nut, Strainer	1
	9	9010495	Washer, Strainer	1
	10	9010496	Gasket, Screen	1
	11	9010497	Bolt, Flange	8
	12	9010498	Cover Assy, Front, Upper [T–Belt]	1
	13	9010502	Bracket Assy, Coil, Ignition	1
	14	9010311	Hose, Drain, Oil [Mit 20/24m]	1
	15	9010312	Plug, Flare, 37deg [Mit]	1
	16	9010313	Fitting, 37deg [Mit]	1
	17	9010503	Bolt, Flange	3
	18	9010504	Bolt, Flange	1
	19	9010505	Bolt, Flange	1
	20	9010506	Bolt	2
	21	9010507	Bolt	2
	22	9010508	Cover, Lower, Front [T–Belt]	1
	23	9010511	Cover, Rear [T–Belt]	1
	24	9010512	Plug, Rubber	1

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Fig. 5 – Camshaft and Valve Group



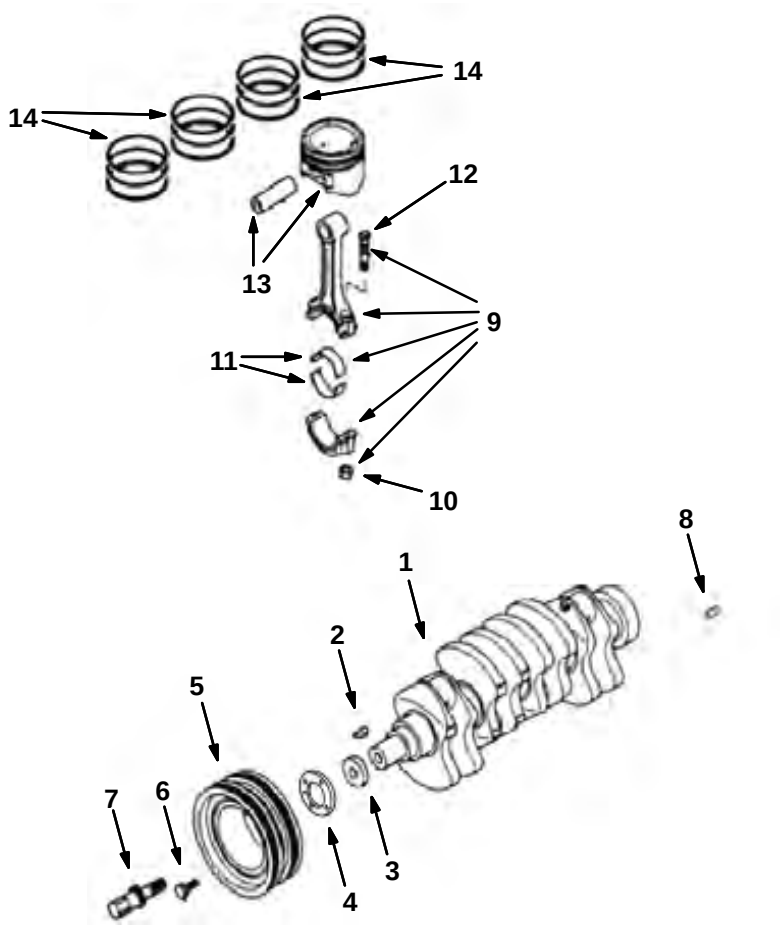
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Fig. 6 – Camshaft and Valve Group

	Ref.	Part No.	Description	Qty.
▽	1	8004012	Camshaft Assy	1
▲	2	8004017	Pin, Dowel	1
	3	8004014	Shaft, Spring, Rocker	4
	4	8004015	Arm Assy, Rocker [B]	4
	5	8004016	Arm Assy, Rocker [A]	4
	6	8004013	Shaft, Arm , Rocker	1
	7	8004018	Adjuster Assy, Lash	16
	8	8004019	Valve, Spring, Lock	32
	9	8004020	Valve, Spring, Retainer	16
	10	8004021	Valve, Spring	16
	11	8004022	Valve, Seal, Stem	16
	12	8003828	Bolt, M8–1.25 X 70 Hxhd [Mit]	1
	13	8004023	Valve, Spring, Seat	16
	14	8004024	Valve, Inlet	8
	15	8004025	Valve, Exhaust	8
	16	8004026	Shaft, Arm, Rocker	1
	17	8004027	Bolt, Flange	13
	18	8004028	Shaft, Cap, Rocker	13
	19	8004029	Arm Assy, Rocker [C]	4
▽	20	8004030	Bracket, Pulley, Tensioner	1
▲	21	8004031	Bolt, Washer	1
▲	22	8004032	Bolt, Washer	1
▲	23	8004033	Washer	1
▲	24	8004034	Pulley, Idler	1
	25	8003829	Bolt, M8–1.25 X 55 Fi Hd [Mit]	1
	26	8004035	Bolt, Seal	1
	27	8004036	Bolt, Washer	1
	28	8004037	Pulley, Tensioner	1
	29	8004038	Bolt, Washer	1
	30	8004032	Bolt, Washer	1
	31	8004039	Belt, Timing	1
	32	8004040	Sprocket, Camshaft	1
	33	8004041	Bolt, Flange	1
▽	34	8004042	Sprocket Assy, Cshft	1
▲	35	8048116	Pin, Spring	1
	36	8004043	Tensioner	1
	37	8004044	Bolt, Flange	2
	38	8003956	Bolt, Flange	2
	39	8004045	Bracket, Indicator, Timing	1
	40	8004046	Sprocket, Pump, Oil	1
	41	8004047	Nut	1
	42	8003825	Cover, Timing, Gear [Mit 2.0/2.4l]	1
	43	8003826	Bolt, M8–1.25 X 65 Hxhd [Mit]	2
	44	8003894	Washer, Lock, M8 [Mit]	3

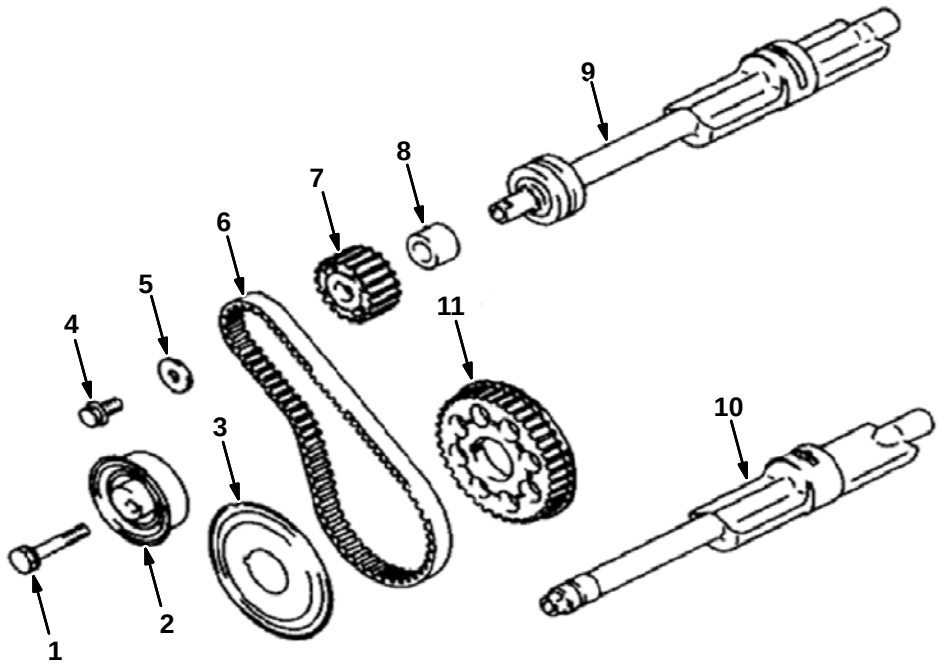
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Fig. 7 – Piston and Crankshaft Group



	Ref.	Part No.	Description	Qty.
	1	8003972	Crankshaft Assy	1
	2	8048113	Key	1
	3	8048114	Washer, Special	1
	4	4186701	Spacer, Crank Pulley, PSI 2.0L	1
	5	8003973	Pulley Assy, Damper, Torsional	1
	6	8003974	Bolt, Washer	4
	7	8048115	Bolt, Sprocket, Cshft	1
	8	8003975	Pin, Dowel	1
▽	9	8003976	Rod Assy, Connecting	4
▲	10	8004003	Nut	8
▲	11	8004004	Bearing, Rod, Connect [Yellow Std]	4
▲	11	8004005	Bearing, Rod, Connect [No Color Std]	4
▲	11	8004006	Bearing, Rod, Connect [Lan Std]	4
▲	12	8004007	Bolt, Connecting	8
	13	8004008	Piston, Pin [Std A]	4
	13	8004009	Piston, Pin [Std B]	4
	13	8004010	Piston, Pin [Std C]	4
	14	8004011	Piston Set, Ring	1

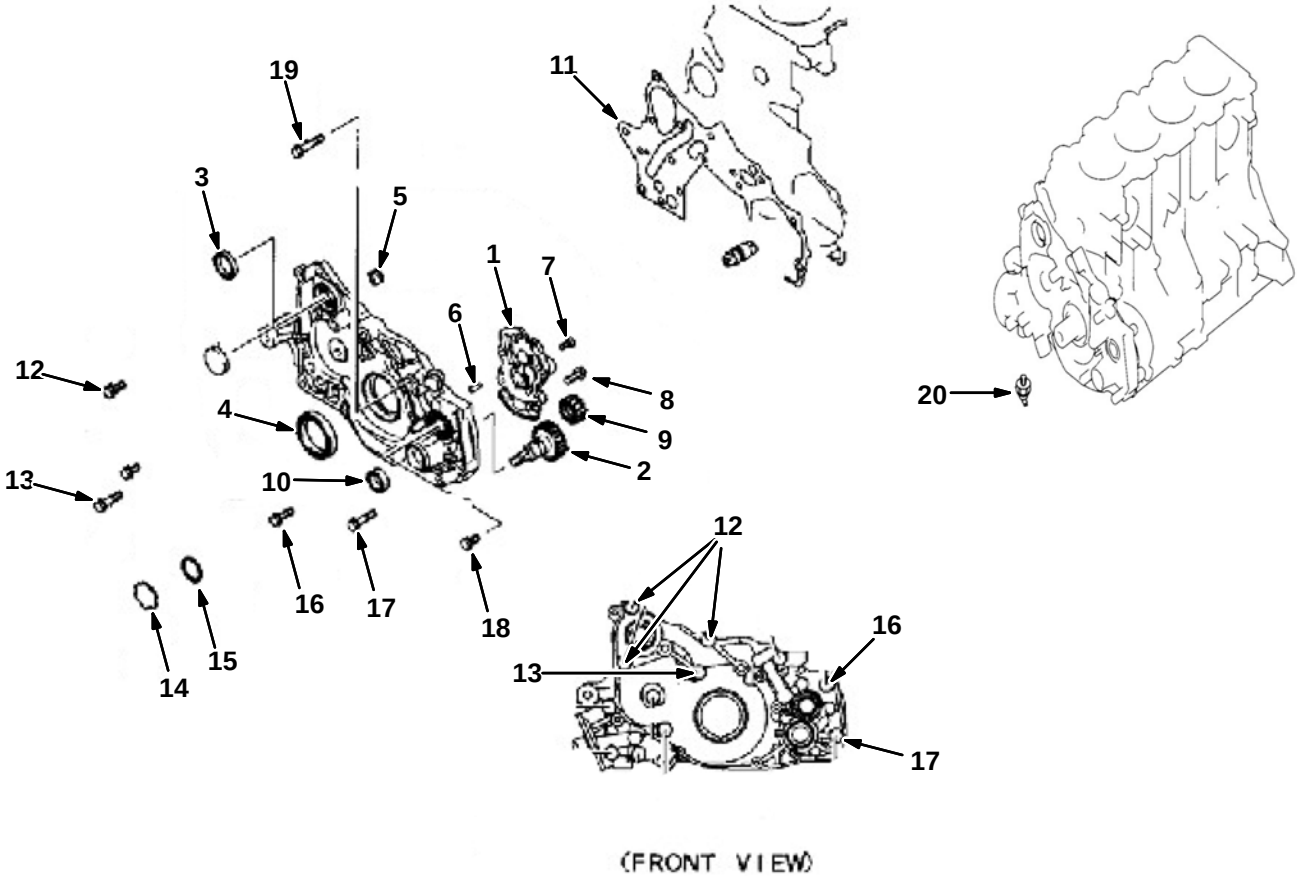
Fig. 8 – Balancer Group



Ref.	Part No.	Description	Qty.
1	9010570	Bolt, Belt, Balancer, Train	1
2	9010571	Tensioner, Timing, Belt	1
3	9010572	Flange, Sprocket, Cshft	1
4	9010600	Bolt, Flange	1
5	9010574	Washer, Belt, Balancer, Train	1
6	9010575	Belt, Timing	1
7	9010576	Sprocket, Shaft, Balancer	1
8	9010577	Spacer, Belt, Balancer, Train	1
9	9010578	Shaft, Right, Balancer	1
10	9010579	Shaft, Left, Balancer	1
11	9010580	Sprocket, Cshft	1

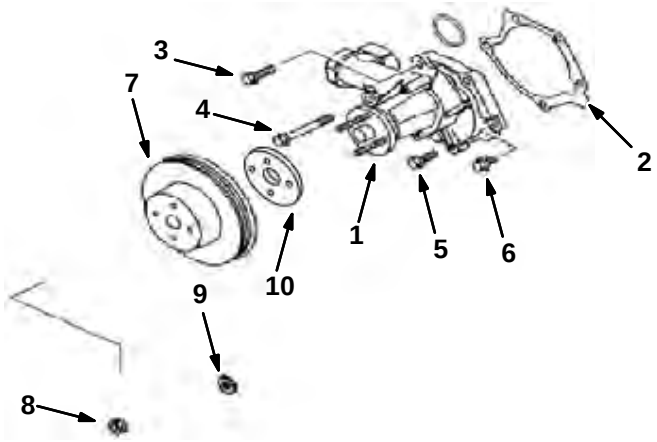
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Fig. 9 – Oil Pump and Pressure Switch Group



	Ref.	Part No.	Description	Qty.
▽	1	9010582	Pump, Oil	1
▲	2	9010592	Pump, Gear, Drive, Oil	1
▲	3	9010585	Seal, Oil	1
▲	4	9010586	Seal, Oil	1
▲	5	9010587	Plug, Tapper	1
▲	6	9010426	Pin, Dowel	2
▲	7	9010589	Screw	1
▲	8	9010590	Bolt, Flange	4
▲	9	9010591	Pump, Gear, Oil	1
▲	10	9010601	Seal, Oil	1
	11	9010593	Gasket, Case, Front	1
	12	9010594	Bolt, Washer	3
	13	9010595	Bolt, Washer	1
	14	9010596	Plug, Cap	1
	15	9010597	O–Ring	1
	16	9010598	Bolt, Flange	1
	17	9010599	Bolt, Flange	1
	18	9010600	Bolt, Flange	1
	19	9010583	Bolt, Flange	1
	20	9010259	Sender, Oil, Press [Mit] (3 Prong)	1

Fig. 10 – Water Pump Group



Ref.	Part No.	Description	Qty.
1	8004072	Pump, Water	1
2	8004073	Gasket, Pump, Water	1
3	8004074	Bolt, Flange	1
4	8003965	Bolt, Flange	1
5	8004075	Bolt, Flange	2
6	8004076	Bolt, Flange	1
7	8048120	Pulley, Pump, Water	1
8	8048121	Nut, Flange	4
9	8004077	Washer, Spring	4
10	4186700		1

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Fig. 11 – Intake Manifold Gasket Group

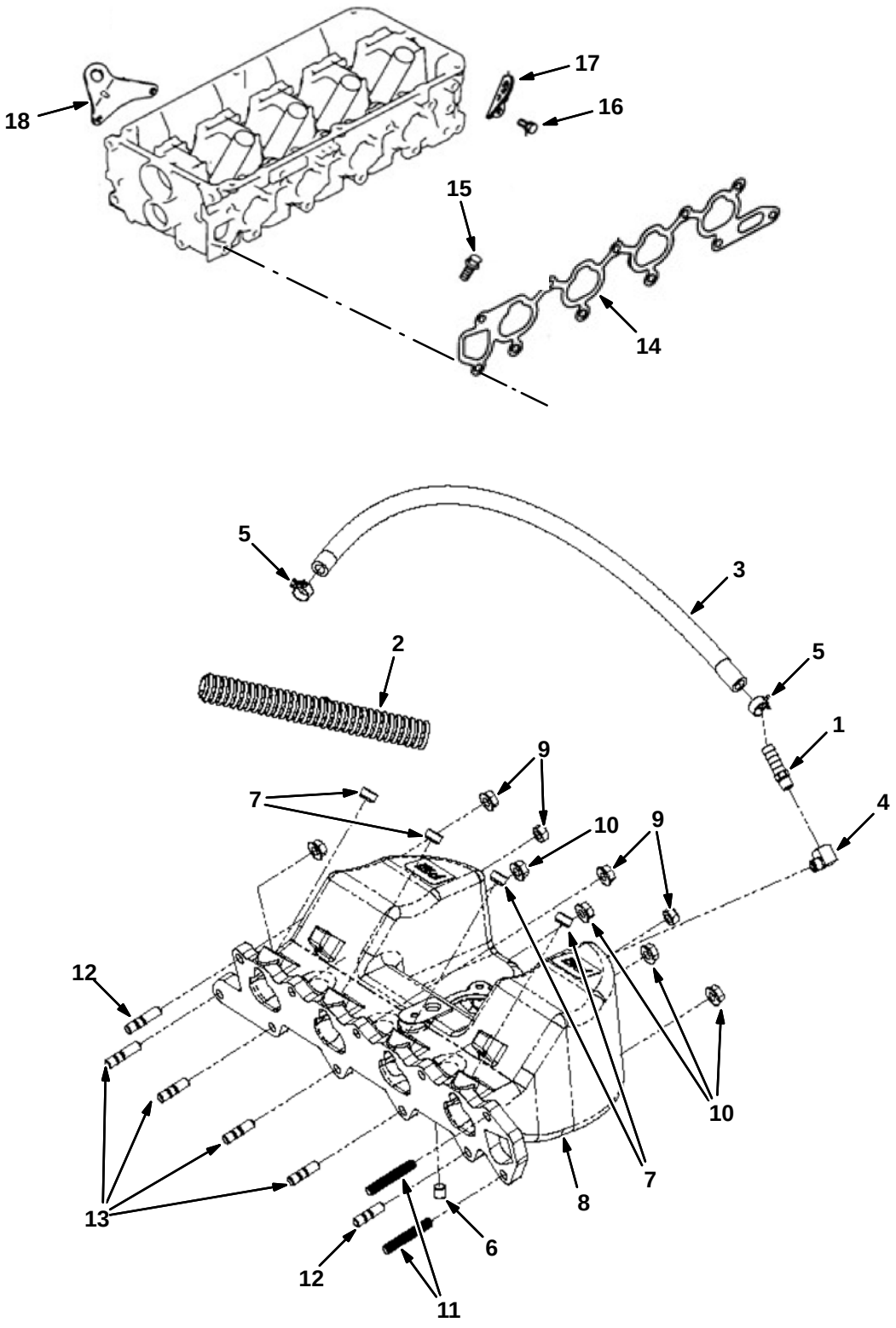
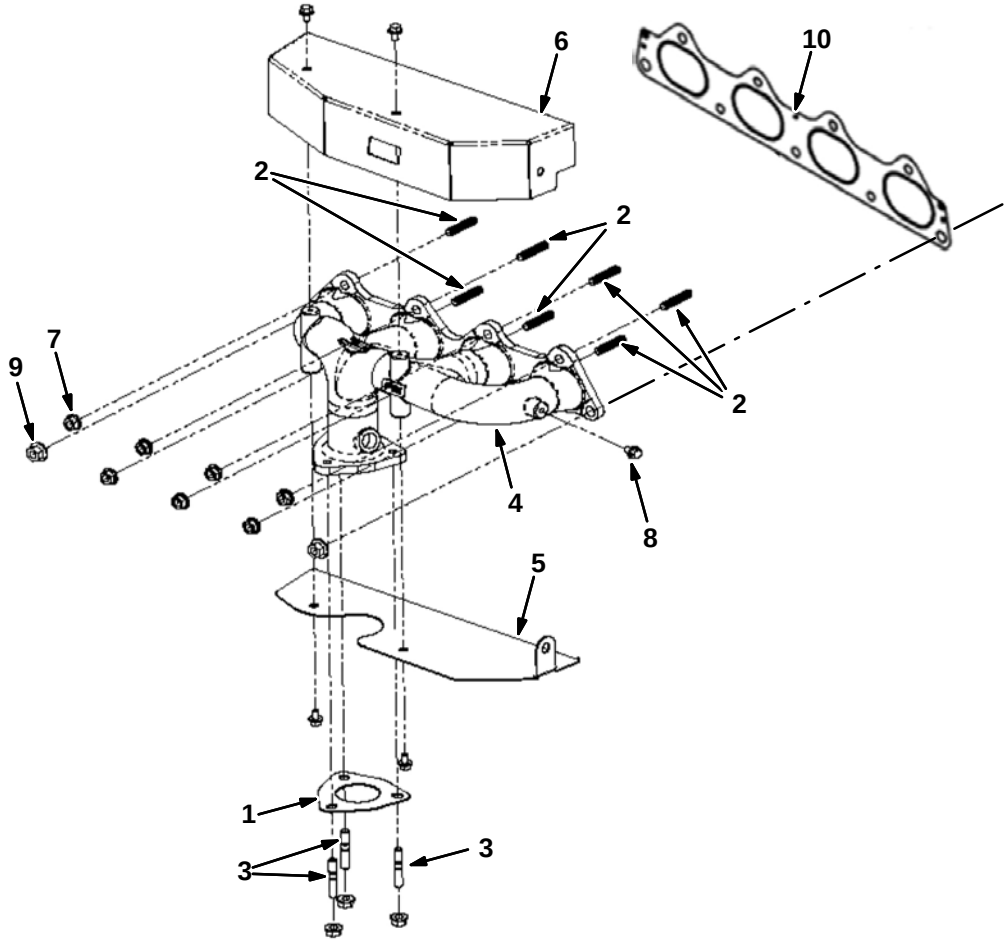


Fig. 11 – Intake Manifold Gasket Group

Ref.	Part No.	Description	Qty.
1	9010382	Fitting, 1/8 Mpt X 3/8 Hb [Mit]	1
2	9010281	Loom, Convoluted, Split 5/8 [Mit]	17”
3	385001	Hose, Fuel, .38d, Rbr[16”L]	20”
4	9010383	Elbow, 1/8m X 1/8f, 90 [Mit]	1
5	9010282	Clamp, 3/8id [Mit Olive Green]	2
6	9010283	Plug, 1/8 Npt, Brs, Skt Hd [Mit]	1
7	9010284	Plug, Injector [Mit]	4
8	9010285	Manifold, Intake [Mit 20/24m Tilt]	1
9	9010286	Nut, M8–1.25 [Mit]	2
10	385015	Nut, Flng, M8	7
11	9010287	Stud, M8–1.25 X 50 Full Thrd [Mit]	2
12	9010288	Stud, M8–1.25 X 35 [Mit Double End]	2
13	9010384	Stud, M8–1.25 X 30 [Mit Double End]	4
14	9010613	Gasket, Manifold, Intake	1
15	9010606	Bolt, Flange	2
16	9010615	Bolt, Manifold, Inlet	1
17	9010617	Hanger, Engine	1
18	9010618	Hanger, Engine	1

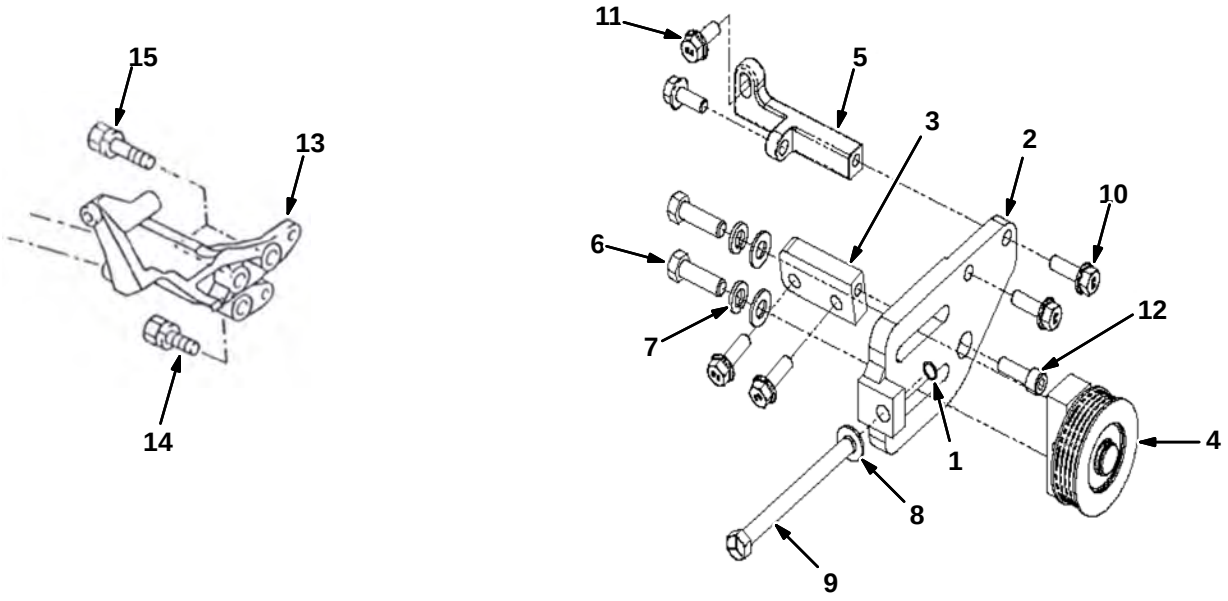
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Fig. 12 – Exhaust Manifold Gasket Group



Ref.	Part No.	Description	Qty.
1	9010296	Gasket, Manifold, Exh [Mit]	1
2	9010297	Stud, M8–1.25 X 40 [Mit]	7
3	372020	Stud, Manifold, Intake, M8 X 28	3
4	9010298	Manifold, Exhaust [Mit 2.0/2.4l]	1
5	9010302	Shield, Heat, Lower [Mit 20/24m]	1
6	9010303	Shield, Heat, Upper [Mit 20/24m]	1
7	9015915	Nut [2.4l Mit]	10
8	9010262	Bolt, M6–1.0 X 10 Fl Hd [Mit]	5
9	9015916	Nut [2.4l Mit]	2
10	9010619	Gasket, Manifold, Exhaust	1

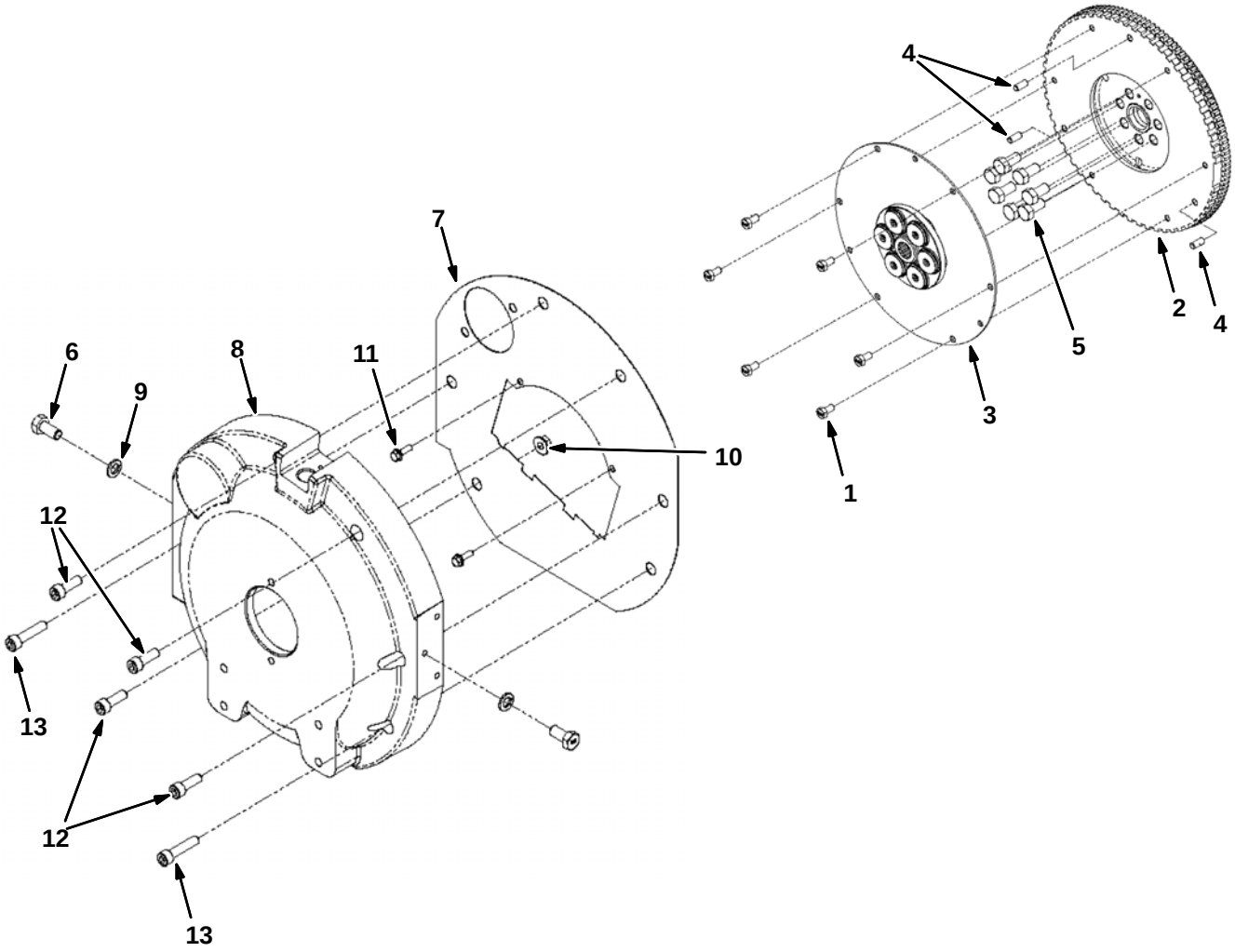
Fig. 13 – Fan Tensioner and Pump Mount Group



Ref.	Part No.	Description	Qty.
1	371562	Ring, Retaining	1
2	9010222	Plate, Tensioner, Adj [Mit 2.0/2.4l]	1
3	9010223	Bar, Tensioner, Mtg [Mit 2.0/2.4l]	1
4	9010224	Pulley, Tensioner, Assy[Mit2.0/2.4l]	1
5	9010225	Bracket, Tensioner, [Mit 2.0/2.4l]	1
6	9010226	Bolt, 3/8–16 X 1 1/4 Hxhd [Mit]	2
7	371509	Washer, Lock, 0.38	2
8	9010227	Washer, Flat 3/8, Sae	3
9	9010228	Bolt, 3/8–16 X 4.5 [Mit]	1
10	9010229	Bolt, M8–1.25 X 25 [Mit]	4
11	9010230	Bolt, M8–1.25 X 20 Fl Hd [Mit]	2
12	9010231	Bolt, M8–1.25 X 25 Soc Hd [Mit]	1
13	9010623	Bracket, Pump, Mtg	1
14	9010624	Bolt, Washer	1
15	9010625	Bolt, Washer	2

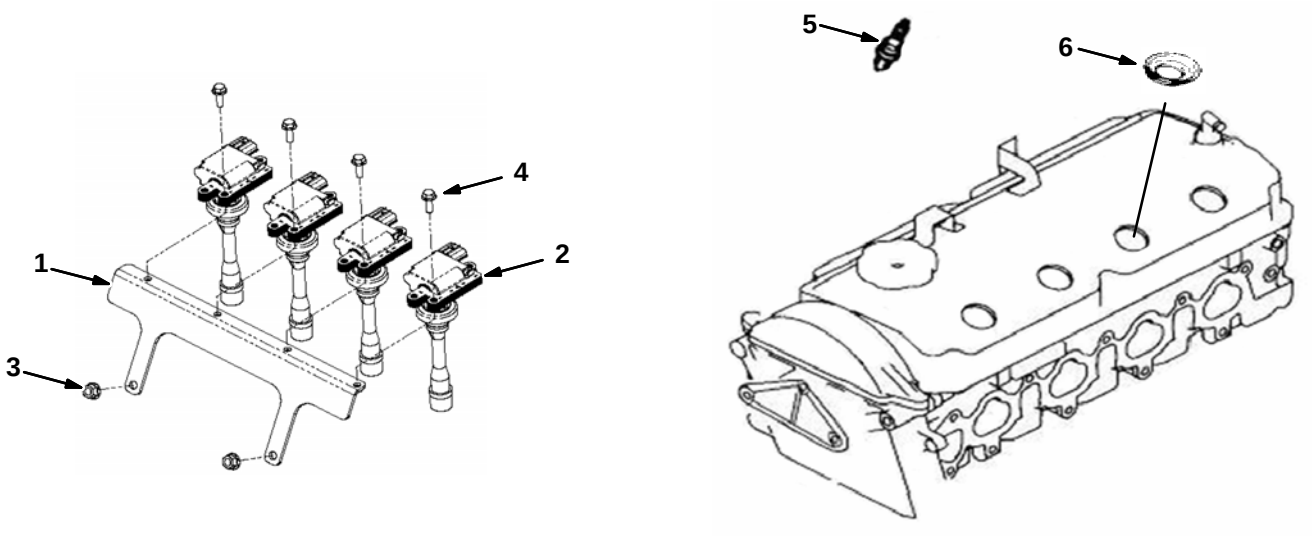
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Fig. 14 – Flywheel Group



Ref.	Part No.	Description	Qty.
1	9010232	Bolt, M8–1.25 X 15, Hx Hd [Mit]	6
2	9010233	Flywheel, Flatface [Mit 20/24m]	1
3	9010234	Coupling, Flywheel [Mit20/24m]	1
4	9010235	Pin, Flywheel [Mit 20/20m]	3
5	9010236	Bolt, Flywheel [Mit 20/24m]	7
6	9010359	Bolt, M12–1.75 X 25, Hex Hd [Mit]	2
7	9010237	Cover, Dust [Mit 2.0l]	1
8	9010238	Housing, Flywheel [Mit 2.0l]	1
9	9010360	Washer, Lock, M12 [Mit]	2
10	9010239	Nut, M10–1.25 Flg [Mit]	1
11	9010240	Bolt, M6–1.0 X 20 Fl Hd [Mit]	2
12	9010241	Bolt, M10–1.25 X 30 Soc Hd [Mit]	4
13	9010242	Bolt, M10–1.25 X 45 Soc Hd [Mit]	2

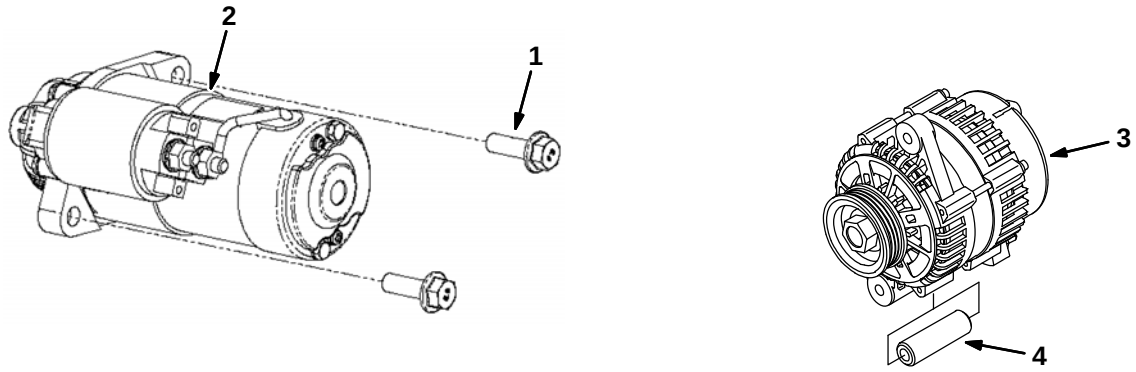
Fig. 15 – Ignition Coil and Spark Plug Group



Ref.	Part No.	Description	Qty.
1	9010243	Bracket, Coil [Mit 2.0/2.4l]	1
2	9010244	Coil, Ignition [Mit 2.0/2.4l]	4
3	385015	Nut, Flng, M8	2
4	9010240	Bolt, M6–1.0 X 20 Fl Hd [Mit]	4
5	9014160	Plug, Spark [Mitsubishi 2015 12mm]	4
6	9010479	Seal, Oil	4

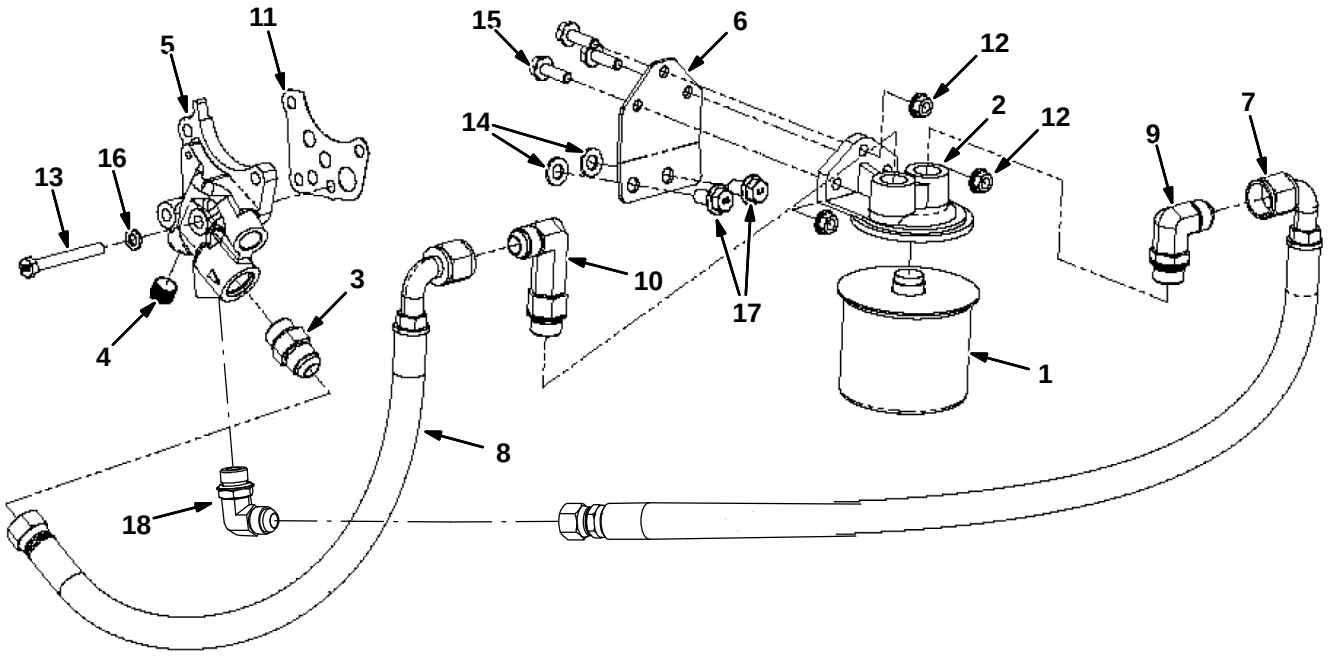
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Fig. 16 – Starter / Alternator Group



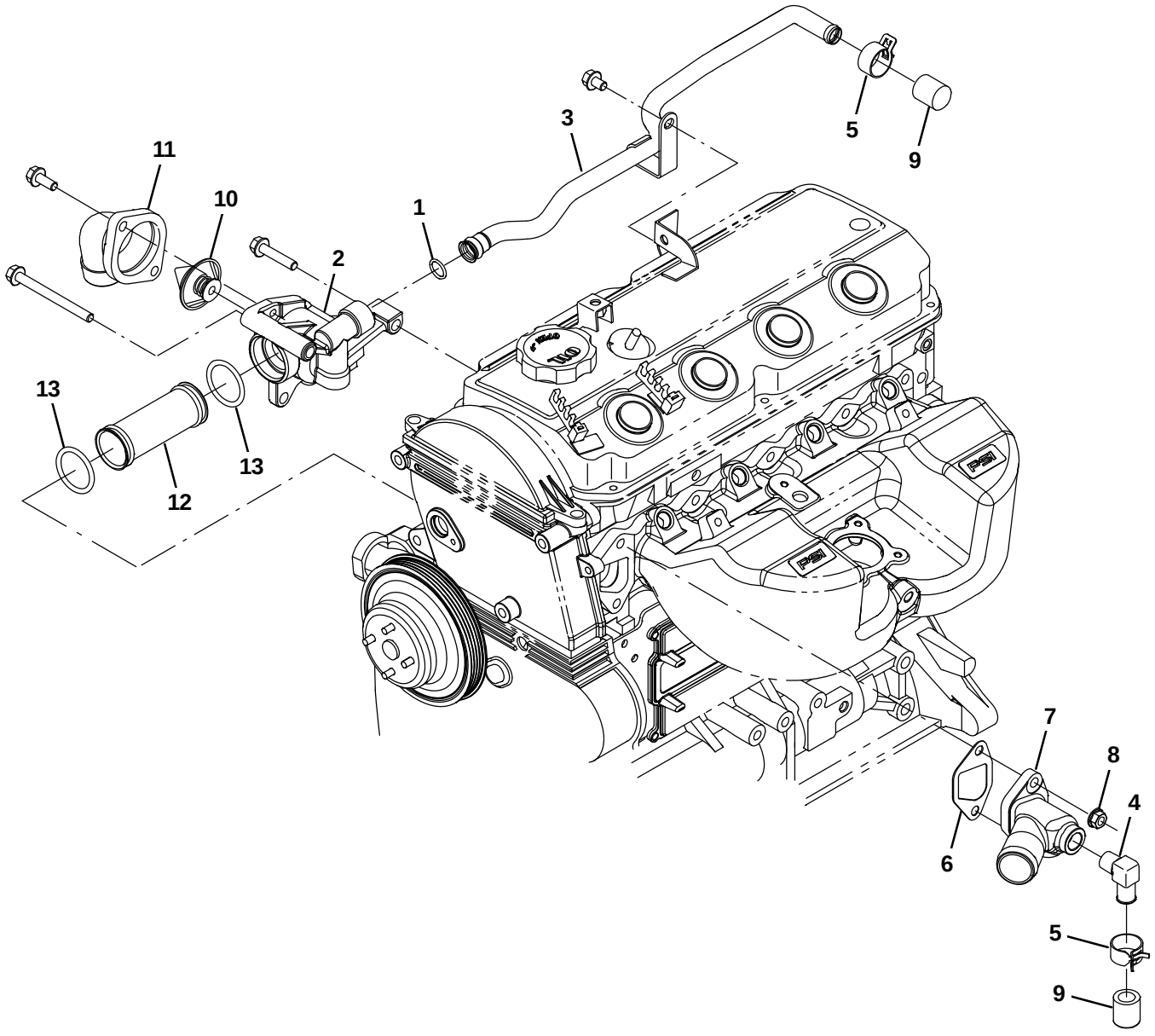
Ref.	Part No.	Description	Qty.
1	9010245	Bolt, M10–1.50 X 30 [Mit]	2
2	9010246	Starter, Motor [Mit 2.0/2.4l]	1
3	9010217	Alternator, 7si [Mit Df Sur–Belt]	1
4	9010219	Spacer, Alternator [Mit 2.0/2.4l]	1

Fig. 17 – Remote Oil Filter Group



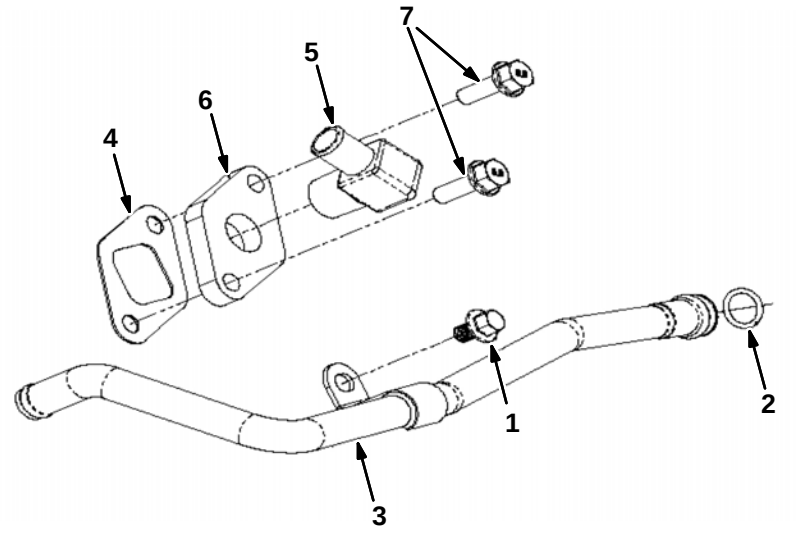
Ref.	Part No.	Description	Qty.
1	393982	Element, Fltr, Oil, Spin–On (Mits)	1
2	371503	Mount, Fltr, Remote	1
3	9010371	Fitting, Str, 10–10 Orb, 37fi [Mit]	1
4	9010372	Plug, 3/8npt X 5/16, Brs [Mit]	1
5	9010373	Adapter, Filter, Oil, Remote [Mit]	1
6	9010374	Bracket, Filter, Oil, Remote [Mit]	1
7	9010376	Hose, 90xstr,Flter, Oil, Remote[Mit]	1
8	9010376	Hose, 90xstr,Flter, Oil, Remote[Mit]	1
9	9010628	Elbow	1
10	9010629	Elbow	1
11	9010377	Gasket, Oil, Adapter [Mit 2.0/2.4]	1
12	385015	Nut, Flng, M8	3
13	9010253	Bolt, M8–1.25 X 70 Hxhd [Mit]	1
14	9010630	Washer	2
15	9010229	Bolt, M8–1.25 X 25 [Mit]	3
16	9010380	Washer, Lock, M8 [Mit]	1
17	9010631	Bolt	2
18	9010628	Elbow	1

Fig. 18 – Coolant Group



Ref.	Part No.	Description	Qty.
1	9010289	O–Ring [Mit 208 Buna–N]	1
2	9010290	Housing, T–Stat, 2 Holes [Mit]	1
3	9010291	Tube, Water, Line [Mit]	1
4	385011	Fitting, E90	1
5	384979	Clamp, Hose, Spring, 0.62d	2
6	9010632	Gasket, Outlet	1
7	9010294	Outlet, Water, W/Plug [Mit 2.0/2.4l]	1
8	385015	Nut, Flng, M8	2
9	9010295	Cap, Rubber, 5/8id [Mit 2.0/2.4l]	2
10	9010905	Thermostat Kit, Coolant, Replmt [Mitsub]	1
11	9010215	Housing, Thermostat	1
12	9010910	Tube, Pump, Water	1
13	9013530	Seal, Tube, Water [Mit 2.0l]	2

Fig. 19 – DSR Coolant Group, LPG Engine



Ref.	Part No.	Description	Qty.
1	9010305	Bolt, M8–1.25 X 12 [Mit]	1
2	9010289	O–Ring [Mit 208 Buna–N]	1
3	9010306	Tube, Cooling, Line [Mit]	1
4	9010307	Gasket, Water Supply [Mit 2.0/2.4l]	1
5	9010308	Fitting, 1/2 Mpt X 5/8bh 90deg [Mit]	1
6	9010309	Plate, Water, Outlet [Mit Bypass]	1
7	9010310	Bolt, M8–1.25 X 25 Flg Hd [Mit]	2

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Fig. 20 – Electrical Group

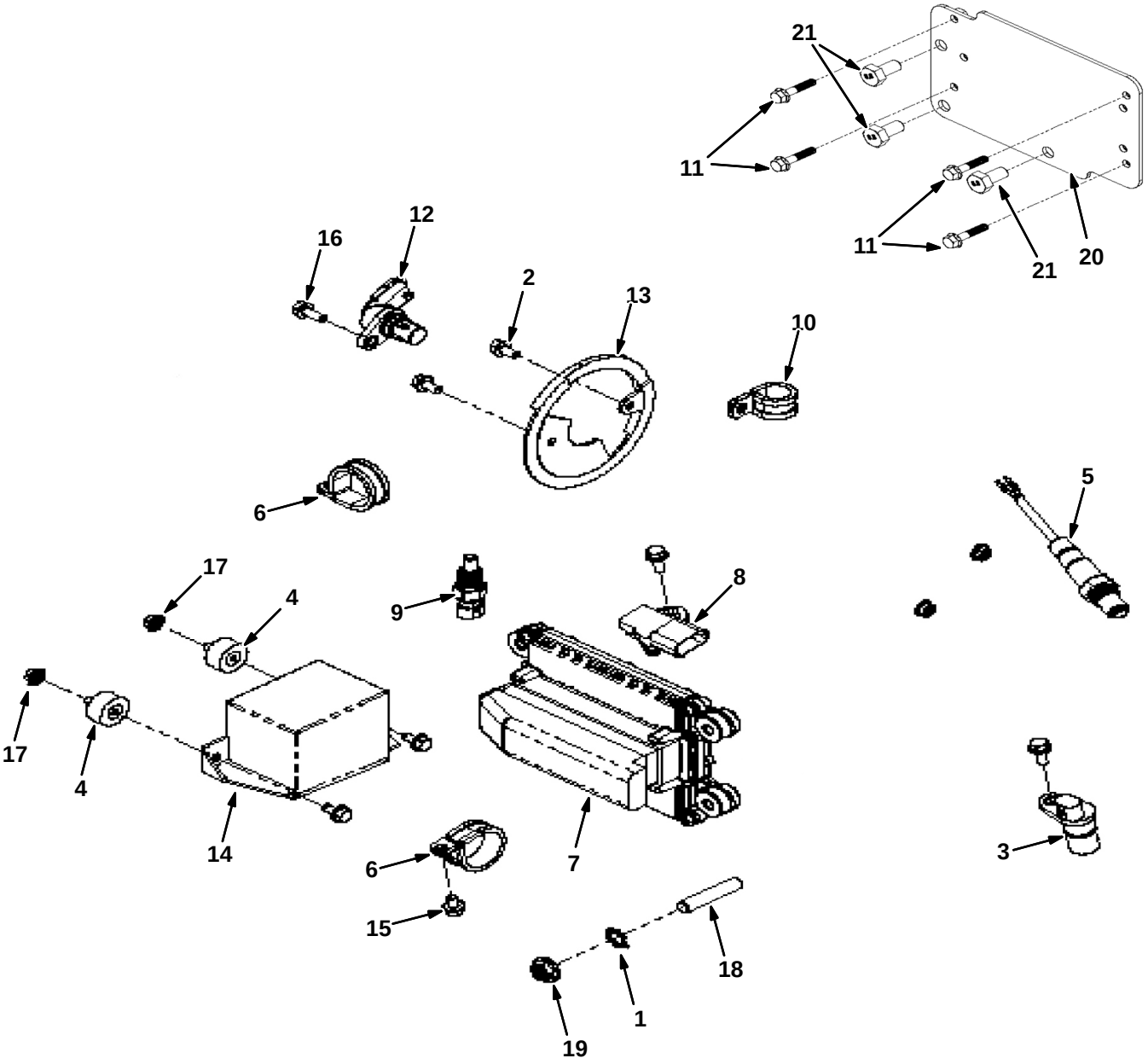
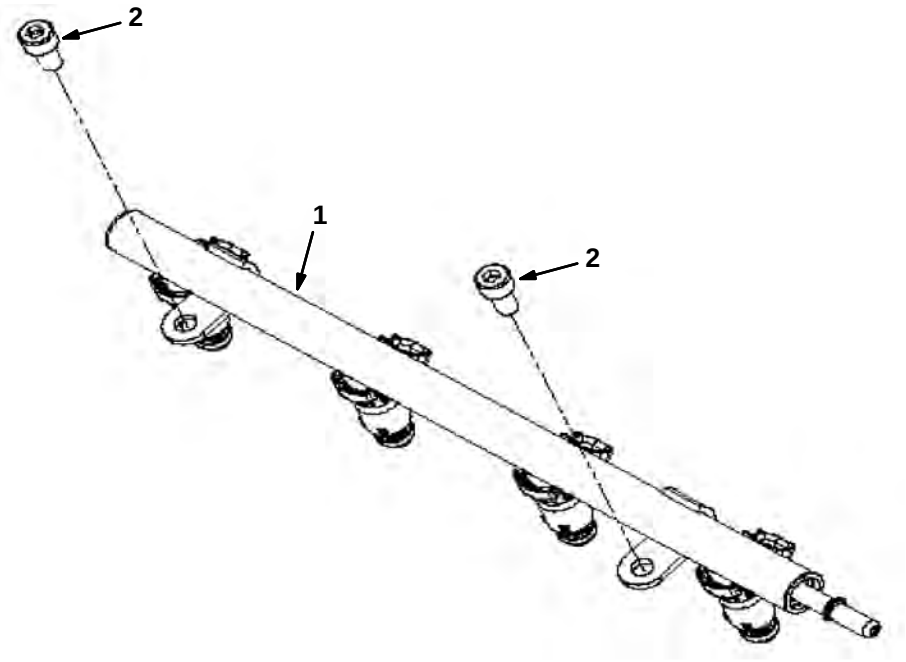


Fig. 20 – Electrical Group

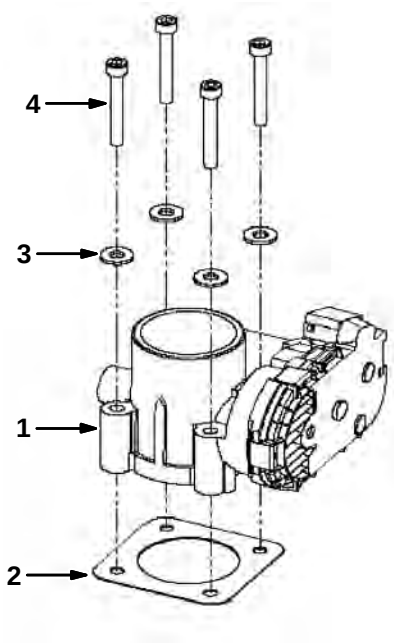
Ref.	Part No.	Description	Qty.
1	9010255	Washer, Star, M10 [Mit]	1
2	9010256	Bolt, M6–1.0 X 12 Fl Hd Pl [Mit]	2
3	372492	Sensor, Spd, Timing Wheel [3.0l]	1
4	9008805	Isolator	2
5	1028558	Sensor, Oxygen, Tailpipe	1
6	9010257	Clamp, 1/4 Hole [Mit #20]	2
7	1071397	Module, Ecu, Gas [Mit 2.0l 2013]	1
7	1071398	Module, Ecu, Lpg [Mit 2.0l 2013]	1
8	372493	Sensor [Tmap]	1
9	372891	Sensor, Temp, Coolant	1
10	9010258	Clamp, 0.75d [Mit]	1
11	9010249	Bolt, M6–1.0 X 30 Fl Hd [Mit]	4
12	9010260	Sensor, Camshaft [Mit]	1
13	9010261	Cam, Sensor, Wheel [Mit 2.0/2.4l]	1
14	1071653	Harness, Wire, Eng, Gas [Mit, 2.0l]	1
14	1071654	Harness, Wire, Eng, Lpg [Mit, 2.Ol]	1
15	9010262	Bolt, M6–1.0 X 10 Fl Hd [Mit]	3
16	9010263	Bolt, M6–1.0 X 16 Fl Hd [Mit]	3
17	9010264	Nut, M6–1.0 Flange [Mit]	4
18	9010366	Stud, M10–1.25 X 50, Full Thrd [Mit]	1
19	9010367	Nut, M10–1.25, Hx Flg [Mit]	1
20	9010247	Plate, Mtg, Ecu [Mit 2.0/2.4l]	1
21	9010248	Bolt, M10–1.25 X 20 Hxhd [Mit]	3

Fig. 21 – Fuel Rail Group, Gasoline Engine



Ref.	Part No.	Description	Qty.
1	9015878	Manifold, Fuel [2.4l Mit]	1
2	9010327	Bolt, M8–1.25 X 16, Soc Hd [Mit]	2

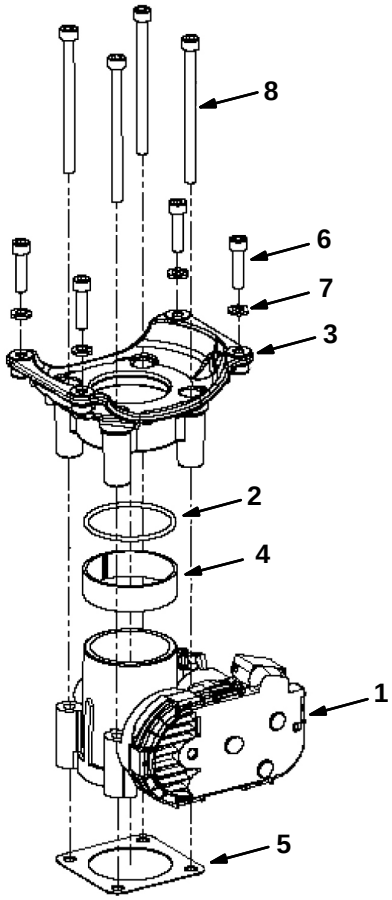
Fig. 22 – Throttle Body Group, Gasoline Engine



Ref.	Part No.	Description	Qty.
1	9010266	Throttle Body [Mit , Bosch]	1
2	9010268	Gasket, Throttle [Mit 40mm]	1
3	9010330	Washer, 1/4 Flat [Mit]	4
4	9010331	Bolt, M6–1.0 X 45, Skt Hd [Mit]	4

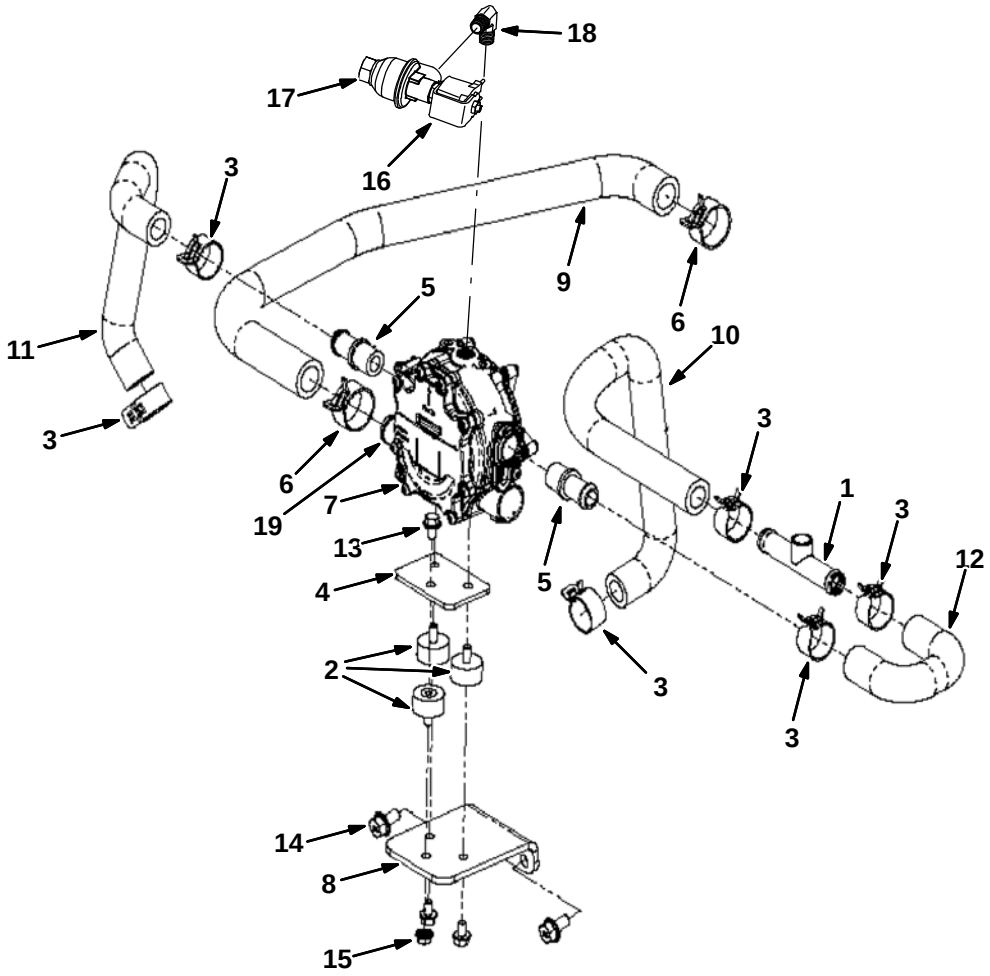
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Fig. 23 – Throttle Body Group, LPG Engine



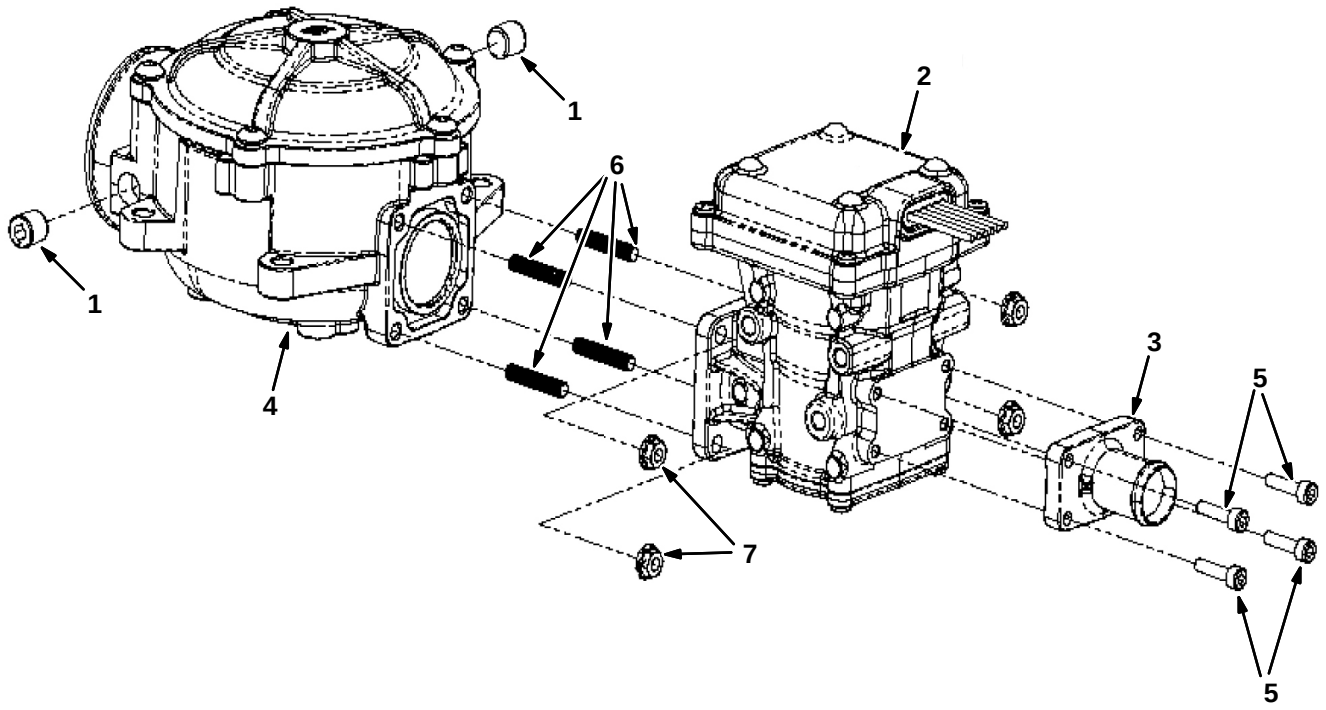
Ref.	Part No.	Description	Qty.
1	9010266	Throttle Body [Mit , Bosch]	1
2	1037311	Seal, Org, Lpg	1
3	9006619	Adapter	1
4	9010267	Spacer, Ring, Throttle [Mit 40mm]	1
5	9010268	Gasket, Throttle [Mit 40mm]	1
6	9010269	Bolt, M6–1.0 X 25 Soc Hd [Mit]	4
7	9010270	Washer, Lock, M6 [Mit]	4
8	9010271	Bolt, M6–1.0 X 85 Soc Hd [Mit]	4

Fig. 24 – Vaporizer Group, LPG Engine



	Ref.	Part No.	Description	Qty.
	1	9010272	Hose Assy, Upper, Tap [Mit]	1
	2	9008805	Isolator	3
	3	384979	Clamp, Hose, Spring, 0.62d	6
	4	9008804	Plate, Mtg [Epr]	1
	5	9010273	Fitting, 1/2 X 5/8 Hose,Plastic[Mit]	2
	6	9010274	Clamp, Tension [Mit #29]	2
▽	7	9008193	Regulator	1
▲		9010626	Repair Kit, Vaporizer (Obsolete, Replaced by none)	1
	8	9010275	Bracket, Vaporizer [Mit 20/24m Tilt]	1
	9	9010276	Hose, Fuel, Molded [Mit 20/24m]	1
	10	9010277	Hose, Coolant, Molded [Mit 20/24m]	1
	11	9010278	Hose, Coolant, Molded [Mit 20/24m]	1
	12	9010279	Hose, Coolant, Molded [Mit 20/24m]	1
	13	9010262	Bolt, M6–1.0 X 10 Fl Hd [Mit]	3
	14	9010280	Bolt, M8–1.25 X 16 Fl Hd [Mit]	2
	15	9010264	Nut, M6–1.0 Flange [Mit]	1
▽	16	9006620	Lock–Off, 12v, Lpg [Mit]	1
▲	17	9007380	Filter Kit, Fuelock, Lpg	1
	18	9010317	Fitting, 1/4mpt X 1/4mpt, 90deg[Mit]	1
	19	9021786	Fitting, Hose, Plastic	1

Fig. 25 – Electronic Pressure Regulator (EPR) Group, LPG Engine



	Ref.	Part No.	Description	Qty.
	1	9010314	Plug, 1/8npt, Brs [Mit]	2
	2	9008806	Regulator, Press, Electronic [Epr]	1
	3	9008807	Fitting, Barb, 3/4" [Epr]	1
▽	4	9006618	Mixer , Lpg	1
▲		9010634	Repair Kit, Mixer	1
	5	9008808	Screw, Soc, M4 X 0.70 X 16	4
	6	9007424	Stud, M05–0.8	4
	7	9007423	Nut, Flng, M05–0.8	4

SECTION 5

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Fig. 1 – Crankcase Group

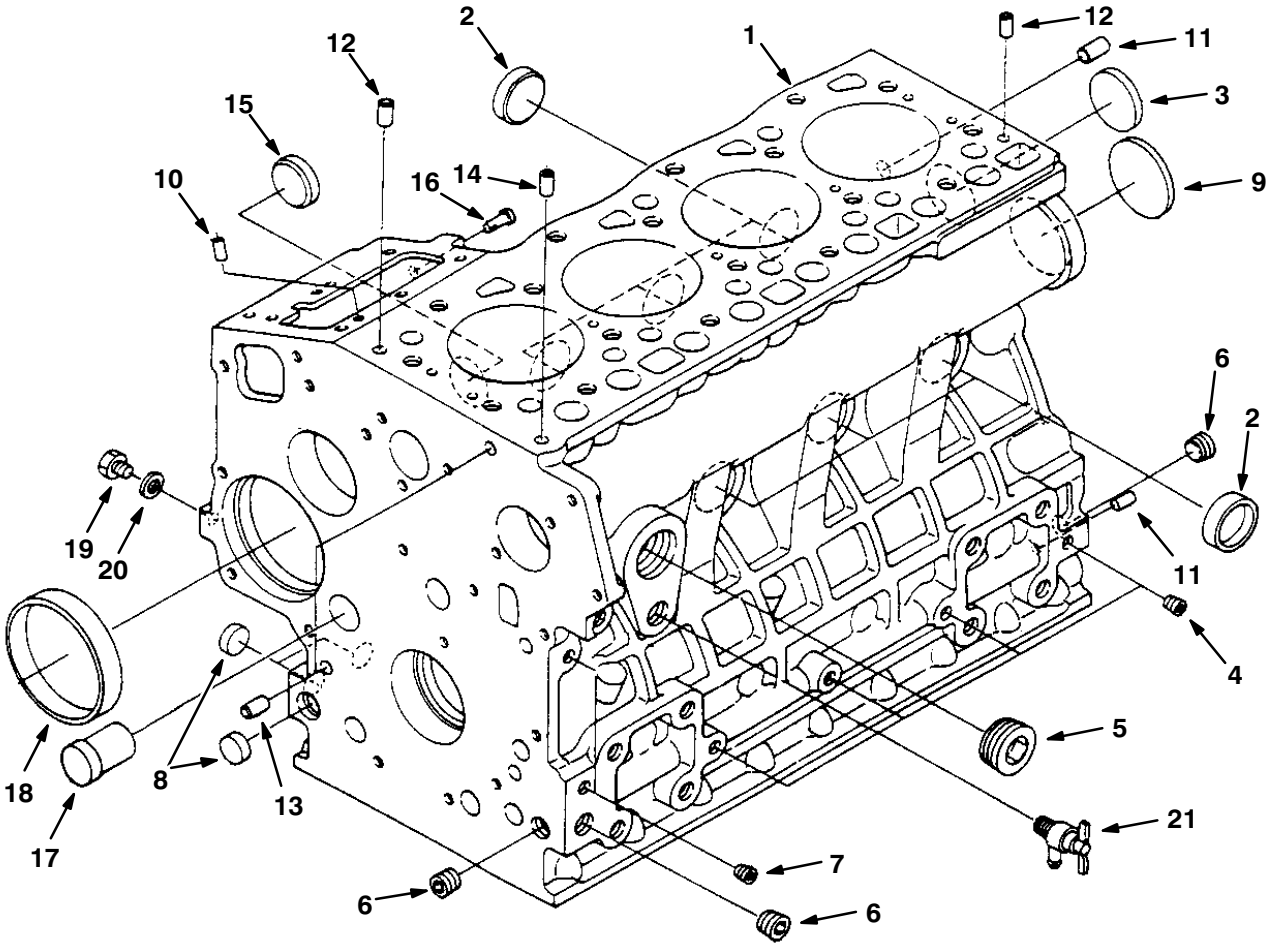
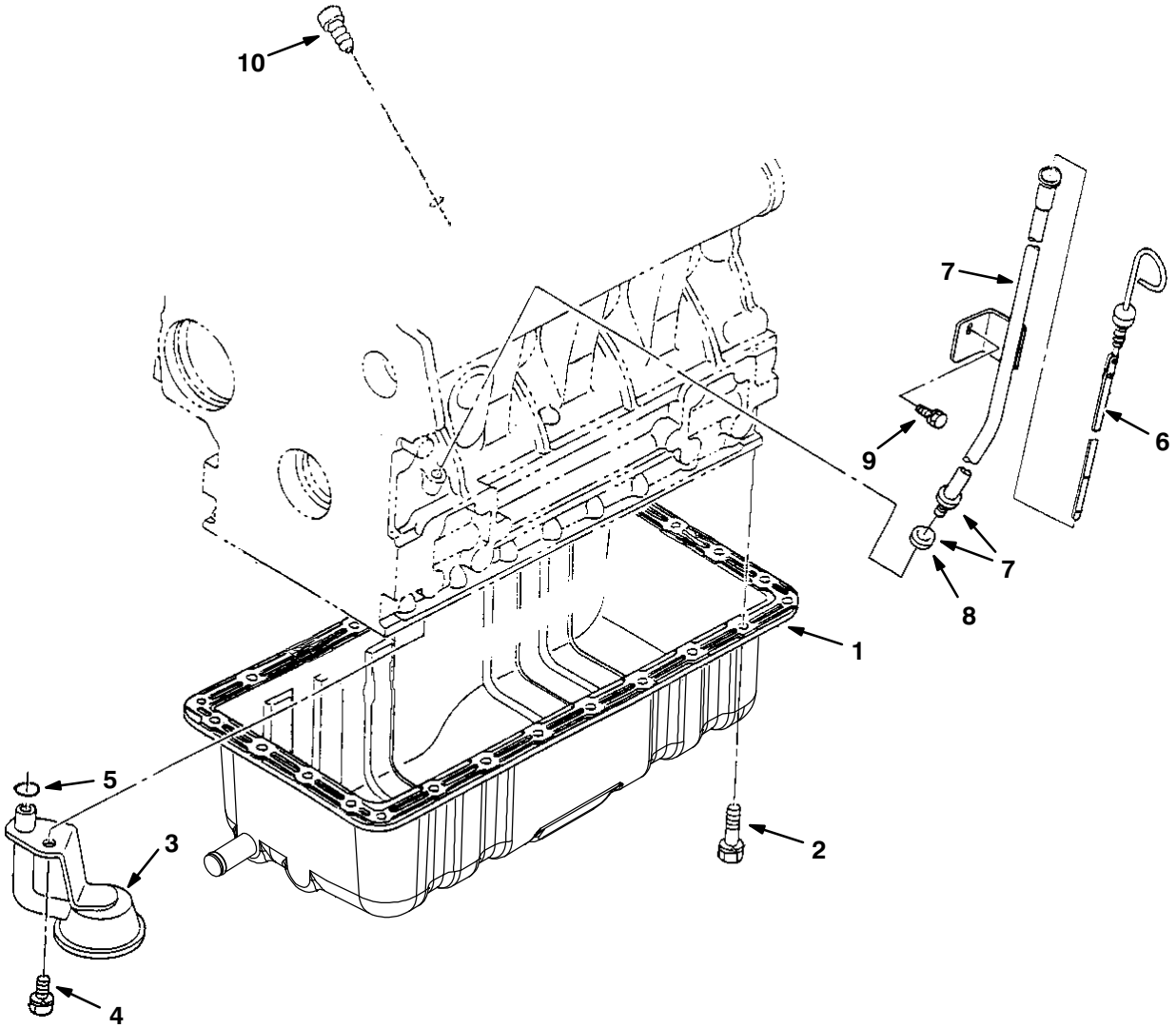


Fig. 1 – Crankcase Group

	Ref.	Part No.	Description	Qty.
▽	1	9004335	Crankcase, Complt [Ku]	1
▲	2	70998	Plug, Cup, Sealing [Ku]	6
▲	3	39087	Plug, Cup, Sealing [Ku]	1
▲	4	39088	Fitting, Pipe, Plug [Ku]	4
▲	5	9004336	Bolt [Ku]	1
▲	6	71985	Fitting, Pipe, Plug [Ku]	3
▲	7	39051	Fitting, Pipe, Plug [Ku]	2
▲	8	361436	Plug, Cup, Sealing [Ku]	3
▲	9	71986	Plug, Cup, Sealing [Ku]	1
▲	10	71987	Pin, Dowel [Ku]	2
▲	11	71988	Pin, Dowel [Ku]	2
▲	12	71989	Pin, Dowel [Ku]	2
▲	13	71990	Pin, Eng [Ku]	2
▲	14	71991	Tube, Pin [Ku]	1
▲	15	71992	Plug, Cup, Sealing [Ku]	1
▲	16	9004337	Pin, Start, Spring	1
▲	17	71993	Plug, Eng [Ku]	1
▲	18	70887	Bushing, Gear, Gov [Ku]	1
▲	19	39062	Fitting, Plug [Ku]	1
▲	20	393570	Gasket	1
	21	70888	Fitting, Draincock [Ku]	1

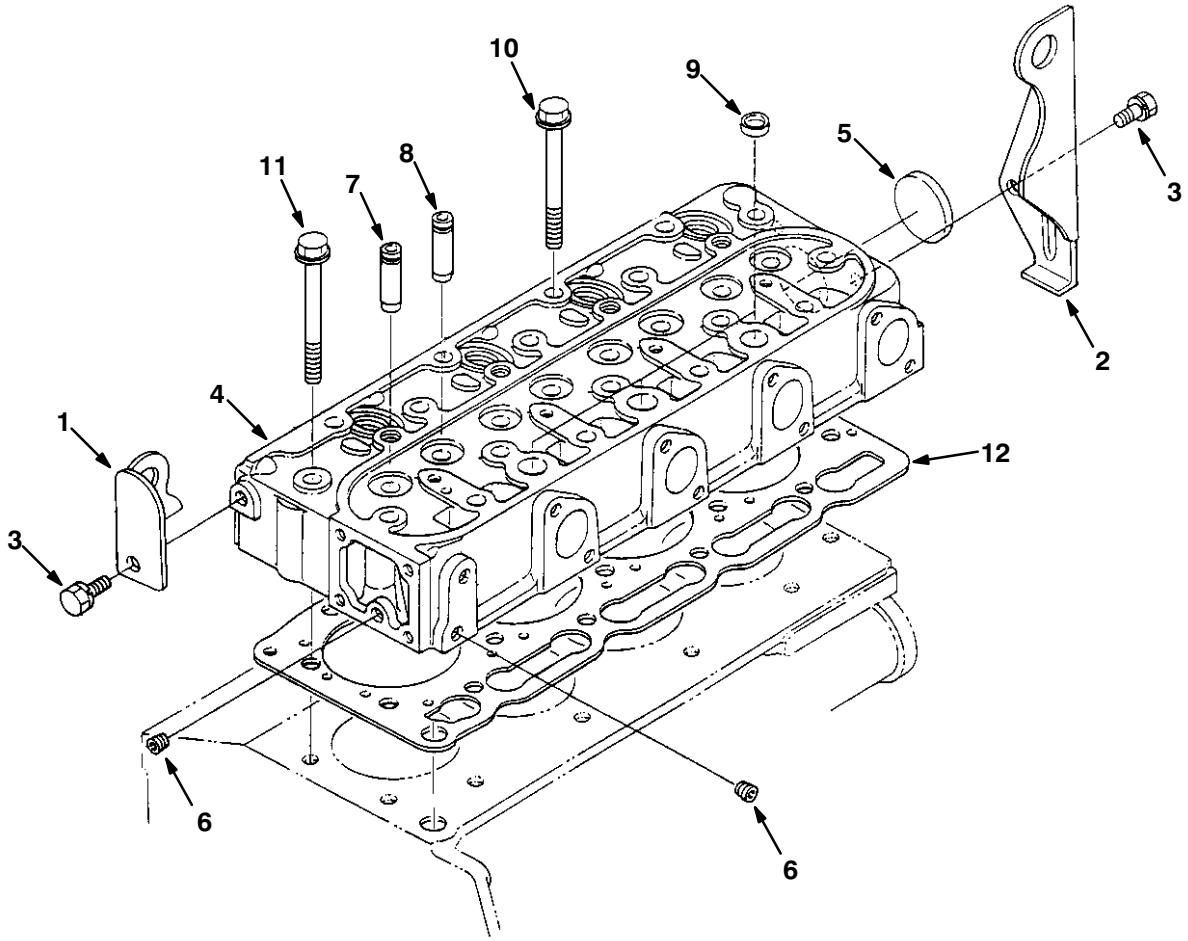
Fig. 2 – Oil Pan Group



07409

Ref.	Part No.	Description	Qty.
1	1023144	Pan, Oil, Dsl	1
2	9004338	Bolt [Ku]	26
3	9003888	Filter, Oil [Ku]	1
4	39094	Screw, Hex [Ku]	1
5	9004339	O–Ring [Ku]	1
6	9003889	Dipstick, Oil [Ku]	1
7	9003890	Gauge Assy, Oil [Ku]	1
8	361366	Seal, Org [Ku]	1
9	39073	Screw, Hex [Ku]	1
10	9004348	Plug, Gauge, Oil [Ku]	1

Fig. 3 – Cylinder Head Group



	Ref.	Part No.	Description	Qty.
	1	71996	Ear, Lifting, Eng [Ku]	1
	2	71997	Ear, Lifting, Eng [Ku]	1
	3	39073	Screw, Hex [Ku]	2
▽	4	9004340	Head, Cylinder [Ku]	1
▲	5	393504	Cap, Sealing	1
▲	6	39088	Fitting, Pipe, Plug [Ku]	2
▲	7	372906	Guide, Valve, Inlet	4
▲	8	372907	Guide, Valve, Exhaust	4
▲	9	71999	Cap, Sealing, Eng [Ku]	3
	10	70897	Screw, Hex, Head, Cyl [Ku]	18
	11	70898	Bolt	1
	12	9004341	Gasket, Head, Cyl [Ku]	1

Fig. 4 – Gear Case Group

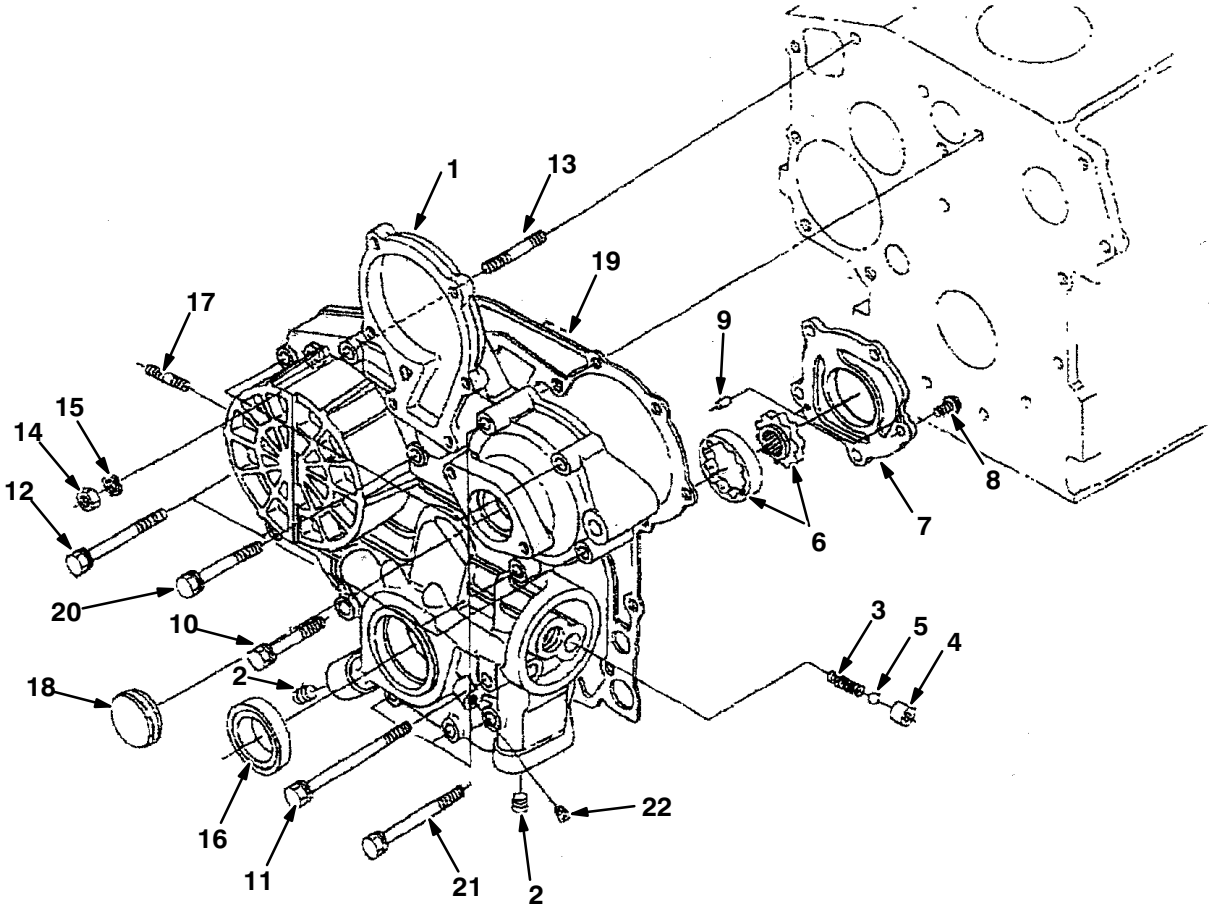
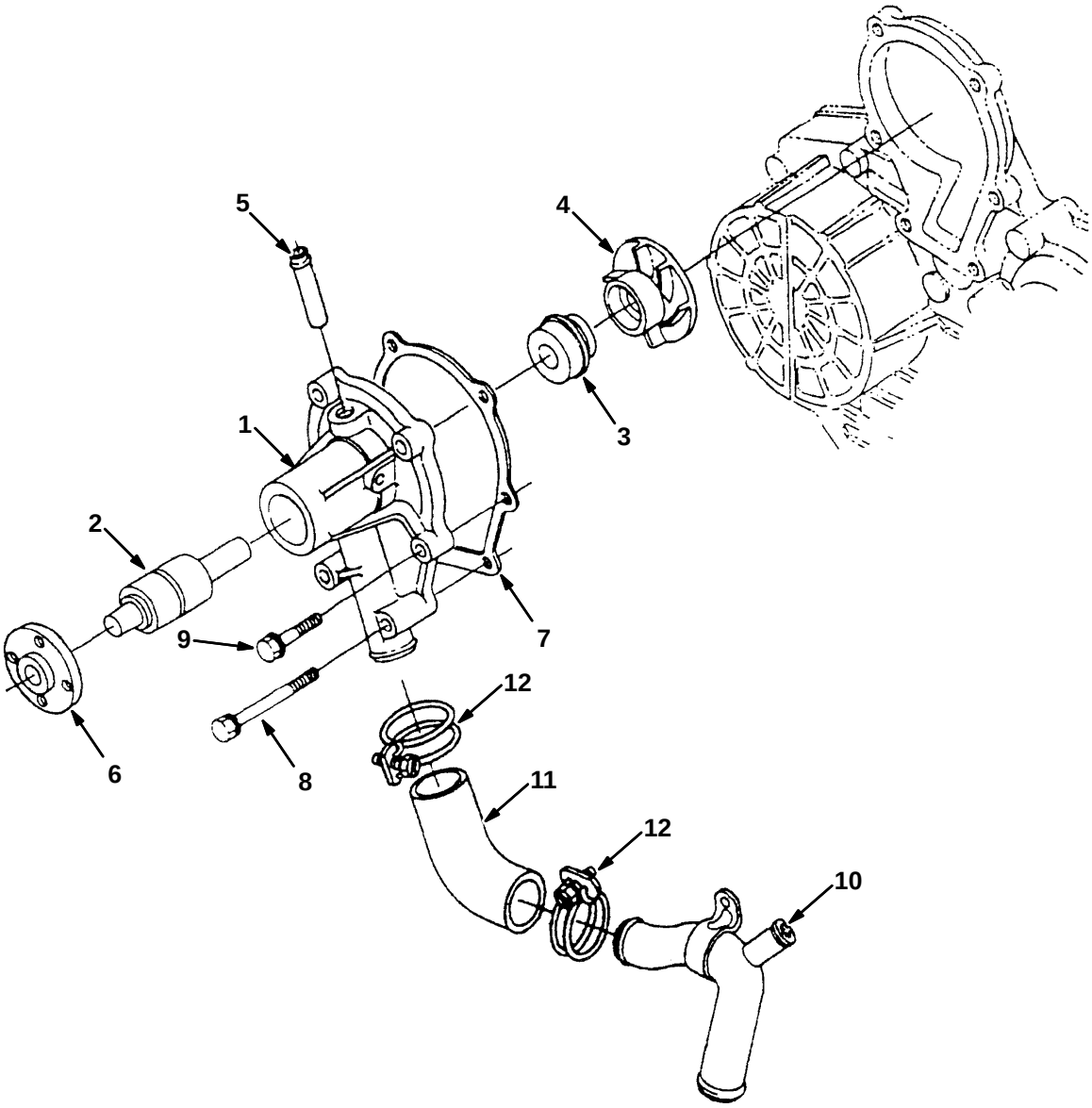


Fig. 4 – Gear Case Group

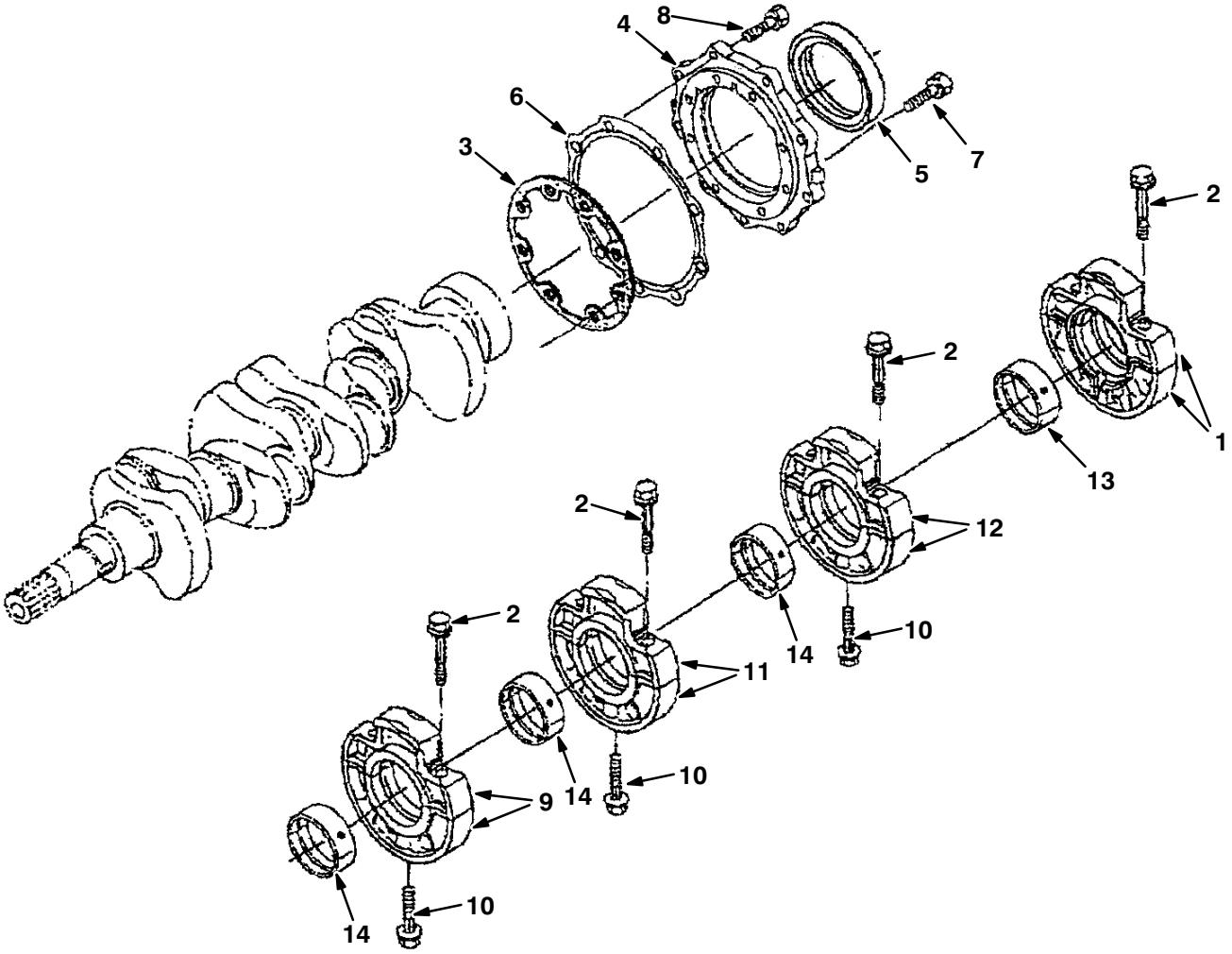
	Ref.	Part No.	Description	Qty.
▽	1	9004342	Gear, Case [Ku]	1
▲	2	361401	Fitting, Pipe, Plug [Ku]	4
▲	3	70900	Spring, Cmpr, Relief [Ku]	1
▲	4	70901	Tube, Seat, Valve, Oil [Ku]	1
▲	5	70902	Ball, Relief, Oil [Ku]	1
▲	6	70903	Pump, Oil, Eng [Ku]	1
▲	7	9004343	Pump, Oil, Cover [Ku]	1
▲	8	9004345	Screw [Ku]	5
▲	9	9004344	Pin, Straight [Ku]	1
	10	72014	Screw, Hex [Ku]	1
	11	72015	Screw, Hex [Ku]	2
	12	72016	Bolt	1
	13	9004346	Stud [Ku]	1
	14	39121	Nut, Hex [Ku]	1
	15	39065	Washer, Lock, Split [Ku]	1
	16	368055	Seal, Oil, Eng [Ku]	1
	17	9004347	Stud [Ku]	1
	18	72019	Cover	1
	19	70912	Gasket, Case, Gear [Ku]	1
	20	72993	Screw, Hex [Ku]	3
	21	384872	Bolt	4
	22	39051	Fitting, Pipe, Plug [Ku]	1

Fig. 5 – Water Pump Group



	Ref.	Part No.	Description	Qty.
▽	1	9004402	Pump, Water Assy [Ku]	1
▲	2	9004403	Bearing [Ku]	1
▲	3	9004404	Seal, Mechanical Assy [Ku]	1
▲	4	9004405	Impeller, Pump, Water [Ku]	1
▲	5	361440	Fitting, Pipe, Water [Ku]	1
▲	6	70919	Flange, Pump, Water [Ku]	1
	7	70920	Gasket, Pump, Water [Ku]	1
	8	9004407	Bolt [Ku]	2
	9	9004406	Bolt [Ku]	4
	10	368317	Hose, Water	1
	11	9003869	Pipe, Water [Kubota]	1
	12	9003870	Clamp [Kubota]	2

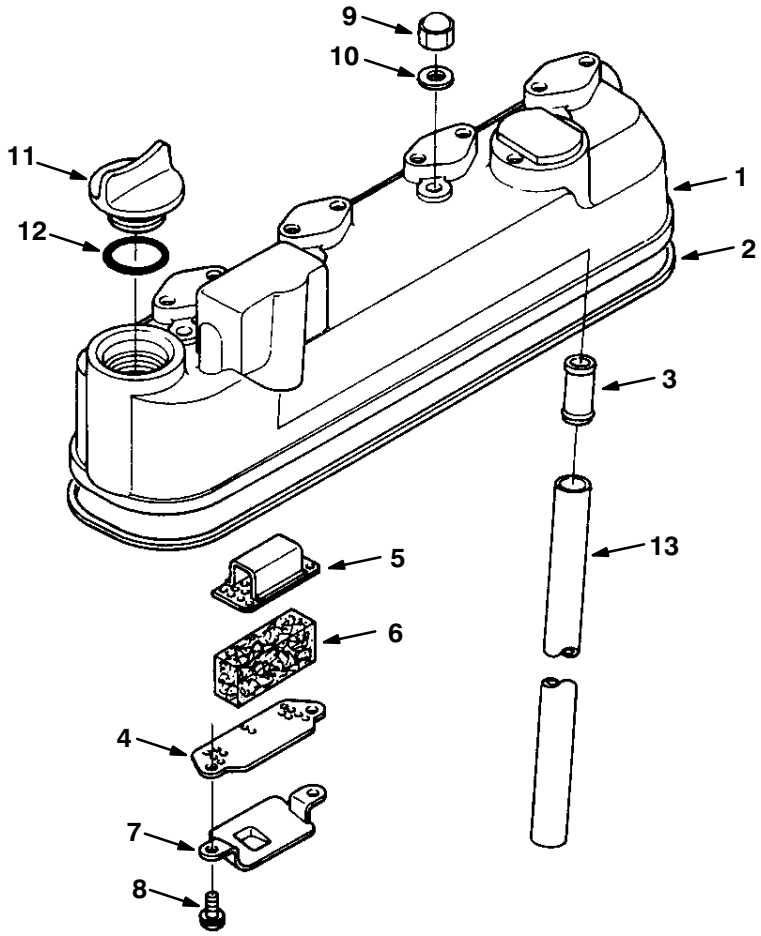
Fig. 6 – Main Bearing Case Group



07417

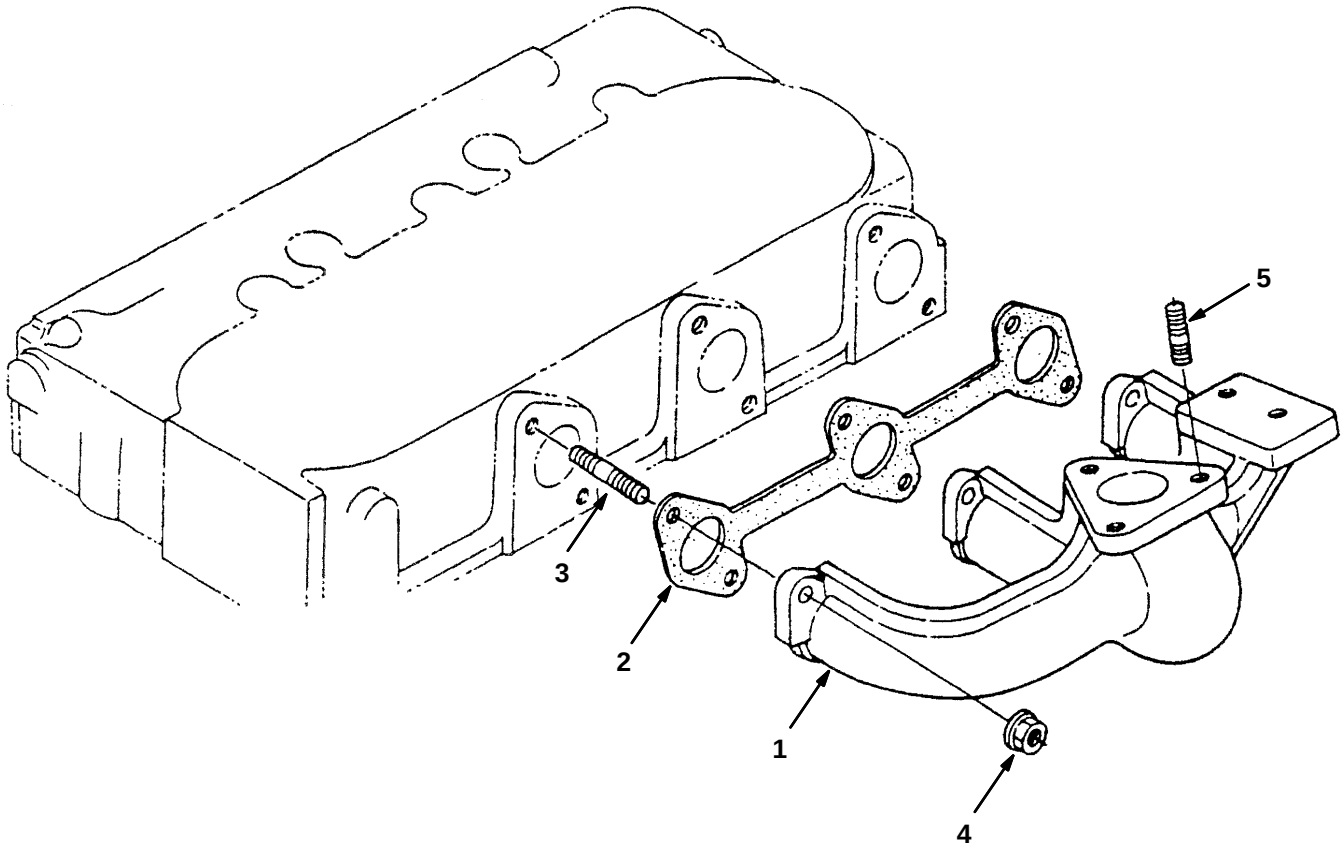
Ref.	Part No.	Description	Qty.
1	9004349	Bearing, Case [Ku]	1
2	72998	Screw, Hex, Case, Brg, Main [Ku]	8
3	9004350	Gasket, Bearing, Case [Ku]	1
4	70923	Cover, Brg Case, Eng [Ku]	1
5	9004351	Seal, Oil [Ku]	1
6	70925	Gasket, Case, Gear [Ku]	1
7	72999	Screw, Hex [Ku]	8
8	371017	Bolt	9
9	9004352	Bearing, Case, Main Assy [Ku]	1
10	73479	Screw, Hex, Case, Brg, Main [Ku]	3
11	9004354	Bearing, Case, Main Assy [Ku]	1
12	9004356	Bearing, Case, Main Assy [Ku]	1
13	70951	Bearing, Cshft, Std [Ku]	1
14	9004353	Crankshaft, Metal [Ku]	3

Fig. 7 – Head Cover Group



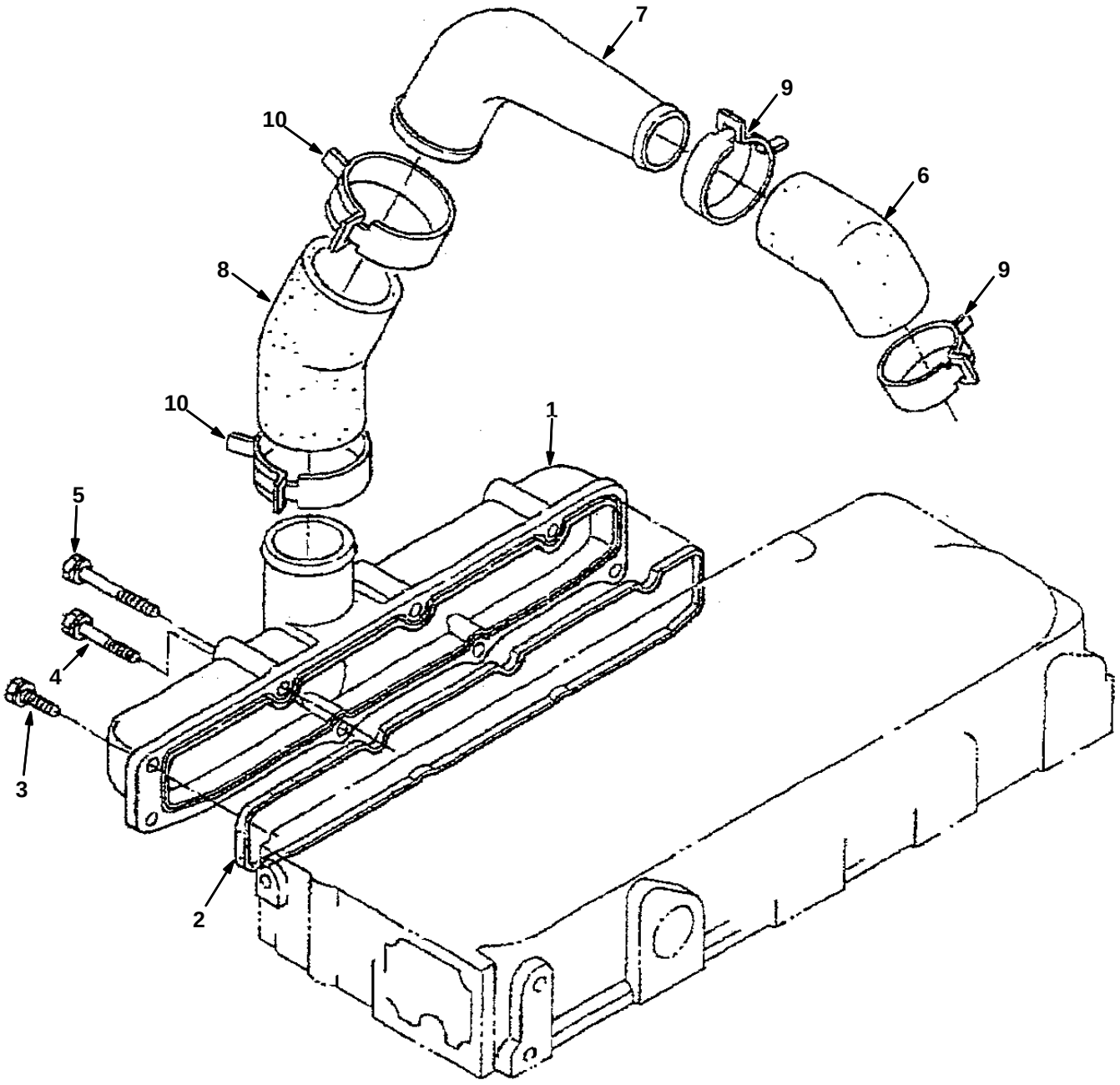
	Ref.	Part No.	Description	Qty.
▽	1	73480	Cover, Cylinder Head	1
▲	2	70929	Gasket, Head Cover	1
▲	3	73481	Joint, Breather Pipe	1
▲	4	70930	Plate, Element 1	1
▲	5	70931	Plate, Element 2	1
▲	6	70932	Element, Breather	1
▲	7	70933	Oil Shield, Breather	1
▲	8	73482	Screw, With Washer	2
	9	73483	Nut, Cap	4
	10	73484	Gasket	4
	11	361374	Plug, Oil Filler	1
	12	70913	O–Ring	1
	13	73485	Pipe, Breather	1

Fig. 8 – Exhaust Manifold Group



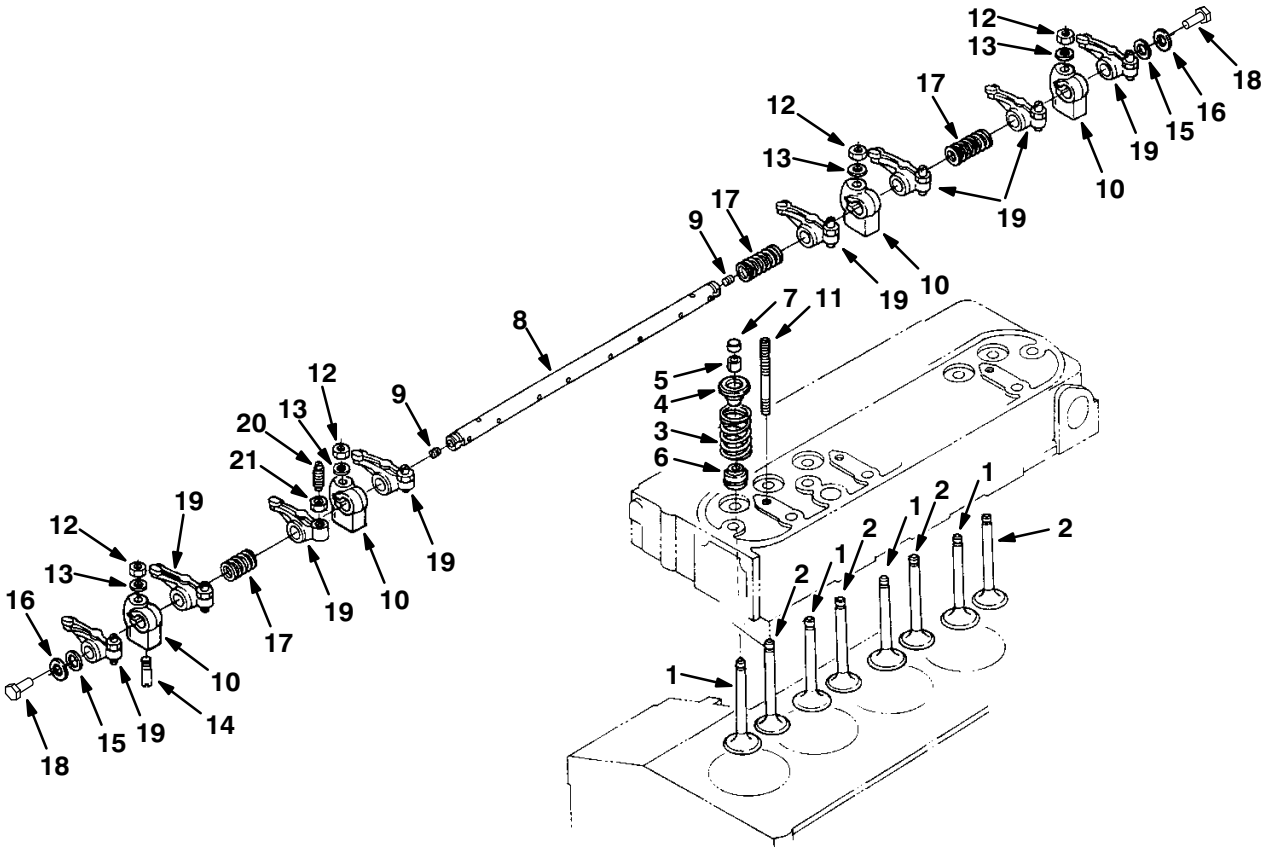
Ref.	Part No.	Description	Qty.
1	9004415	Manifold, Exhaust [Ku]	1
2	70935	Gasket, Manifold, Exhaust	1
3	73488	Stud [Ku]	6
4	73489	Nut	6
5	368291	Stud	3

Fig. 9 – Inlet Manifold Group



	Ref.	Part No.	Description	Qty.
▽	1	9004411	Manifold, Inlet Assy [Ku]	1
▲	2	70934	Gasket, Manifold, Intake [Ku]	1
	3	40409	Screw, Hex [Ku]	3
	4	72996	Screw, Hex [Ku]	1
	5	72994	Screw, Hex [Ku]	2
	6	9004412	Pipe, Inlet [Ku]	1
	7	9004413	Pipe, Inlet [Ku]	1
	8	9004414	Pipe, Inlet [Ku]	1
	9	368287	Clamp, Hose	2
	10	368286	Clamp, Hose	2

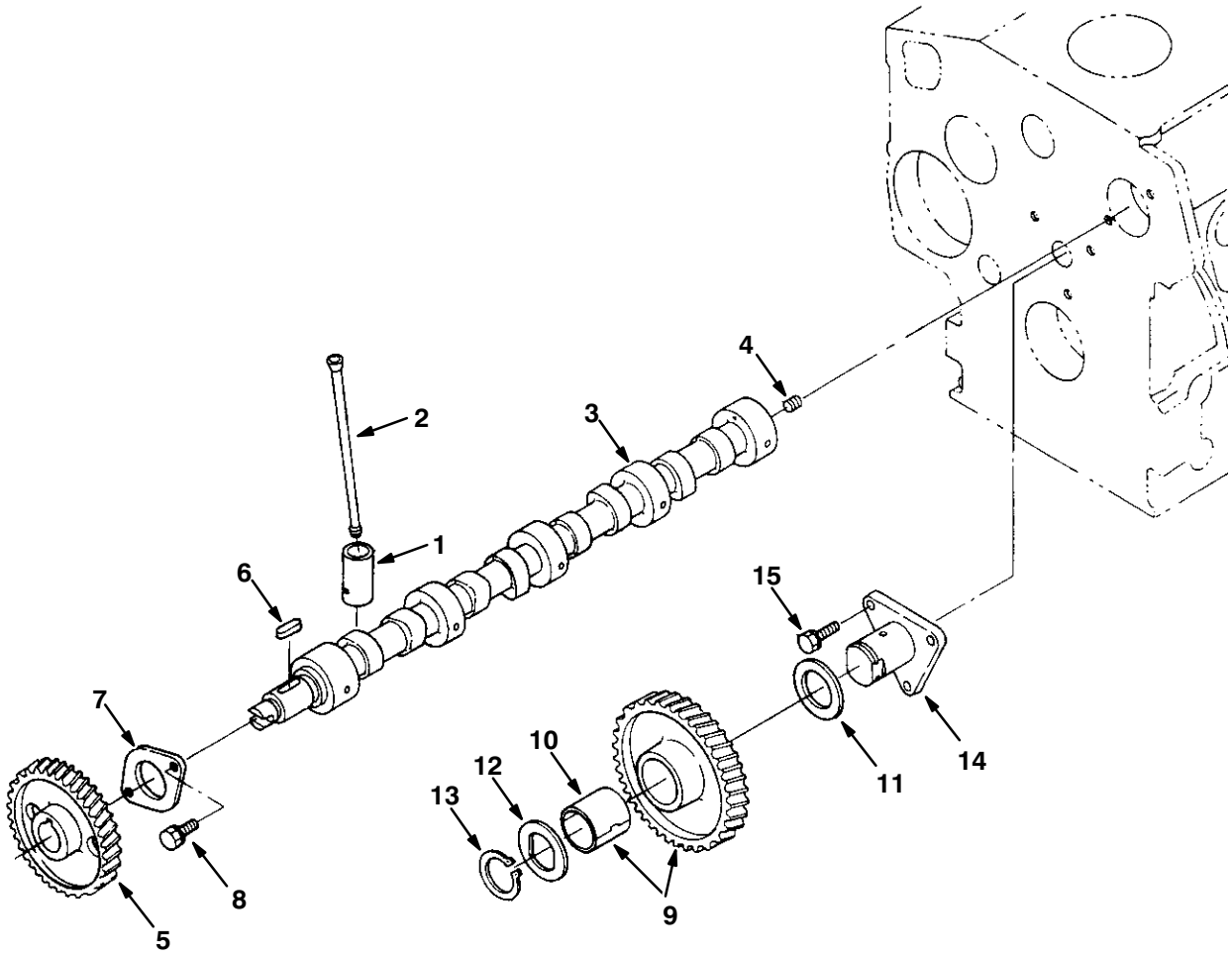
Fig. 10 – Valve, Rocker Arm Group



07423

	Ref.	Part No.	Description	Qty.
	1	70936	Valve, Intake [Ku]	4
	2	70937	Valve, Exhaust [Ku]	4
	3	9004408	Spring, Valve [Ku]	8
	4	73492	Retainer, Spring, Valve [Ku]	8
	5	73493	Retainer, Spring [Ku]	8
	6	73494	Seal, Stem, Valve [Ku]	8
	7	361392	Cap, Valve [Ku]	8
▽	8	9004409	Shaft, Rocker, Arm [Ku]	1
▲	9	73496	Screw [Ku]	2
	10	73497	Bracket, Mtg, Rocker Arm [Ku]	4
	11	73498	Stud [Ku]	4
	12	73499	Nut, Hex [Ku]	4
	13	73500	Washer, Flat [Ku]	4
	14	9004410	Pin, Spring [Ku]	1
	15	73502	Washer, Shaft, Rocker [Ku]	2
	16	361589	Washer, Flat [Ku]	2
	17	73504	Spring, Cmpr, Rocker [Ku]	3
	18	393598	Bolt	2
▽	19	73506	Arm, Rocker [Ku]	8
▲	20	73507	Screw, Adj, Rocker Arm [Ku]	8
▲	21	73508	Nut, Hex [Ku]	8

Fig. 11 – Camshaft Group

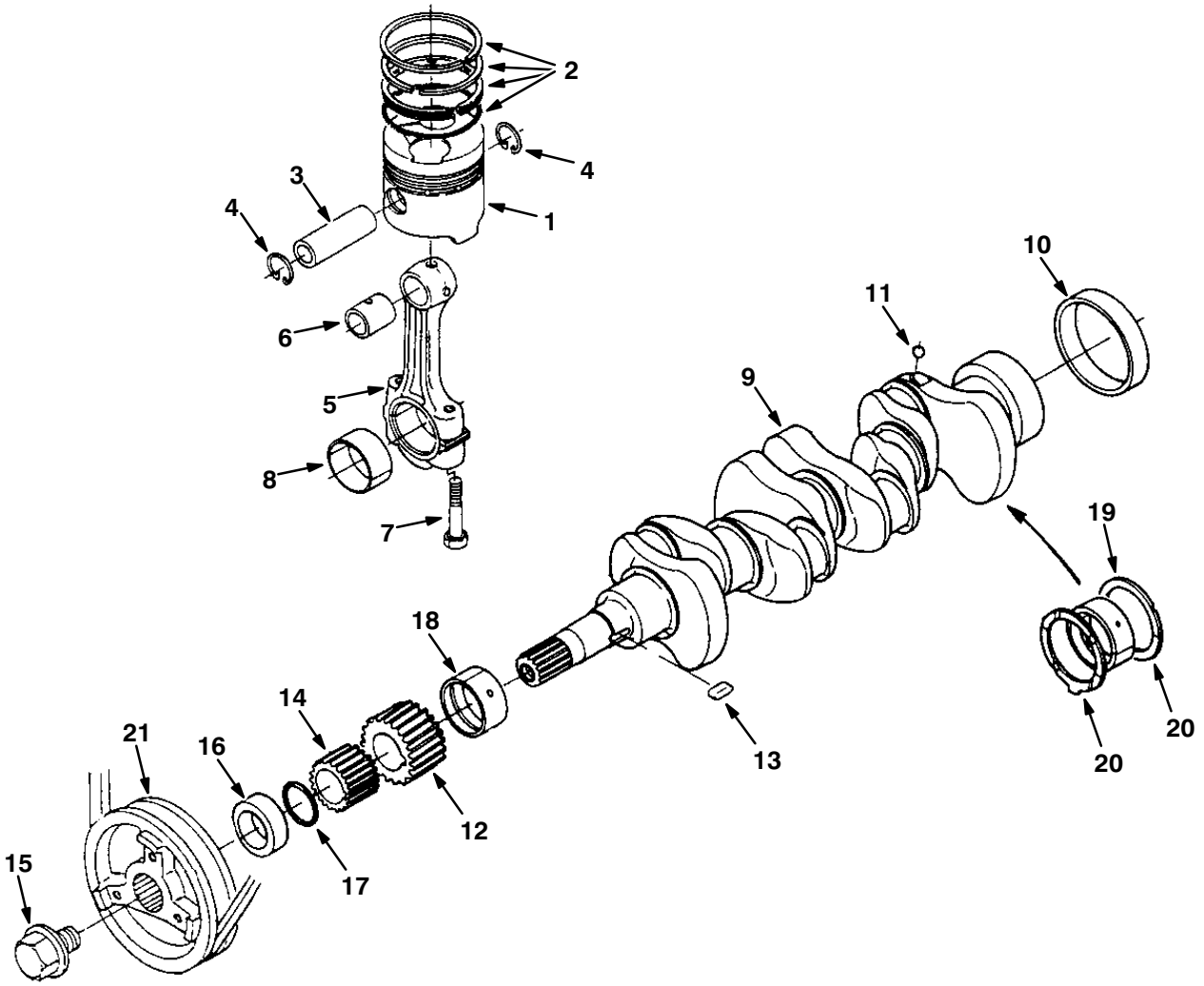


07425

Fig. 11 – Camshaft Group

	Ref.	Part No.	Description	Qty.
	1	9004358	Tappet [Ku]	8
	2	73509	Rod, Push, Valve [Ku]	8
▽	3	9004359	Camshaft Assy [Ku]	1
▲	4	39197	Screw, Set [Ku]	1
▲	5	73511	Gear, Camshaft [Ku]	1
▲	6	73512	Key [Ku]	1
▲	7	73513	Stopper, Cam [Ku]	1
▲	8	41973	Bolt, Hex [Ku]	2
▽	9	73514	Gear, Idler, Cam [Ku]	1
▲	10	73515	Bushing, Gear, Idler [Ku]	1
	11	73516	Collar, Gear [Ku]	1
	12	73517	Washer, Collar, Gear [Ku]	1
	13	73518	Ring, Snap [Ku]	1
	14	73519	Shaft, Idler, Gear [Ku]	1
	15	41973	Bolt, Hex [Ku]	3

Fig. 12 – Piston and Crankshaft Group

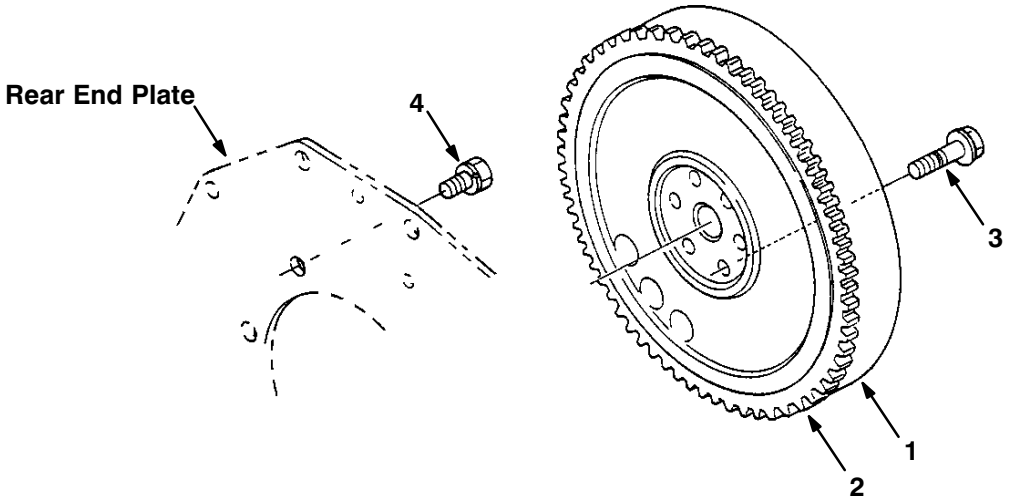


07427

Fig. 12 – Piston and Crankshaft Group

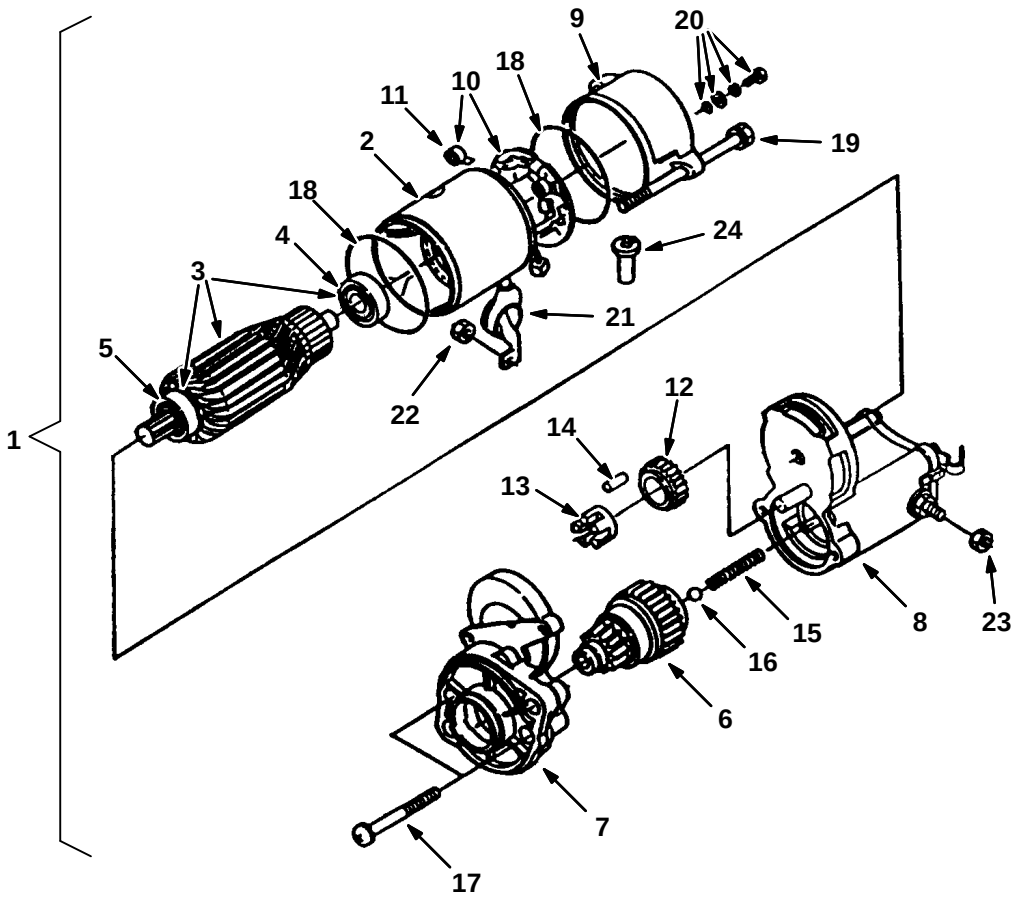
	Ref.	Part No.	Description	Qty.
	1	9004360	Piston [Ku]	4
	2	9004361	Ring, Piston Assy [Ku]	4
	3	73522	Pin, Piston [Ku]	4
	4	73523	Ring, Snap, Piston [Ku]	8
▽	5	73524	Rod Assy, Connecting [Ku]	4
▲	6	70940	Bushing, Pin, Piston [Ku]	4
▲	7	73525	Screw, Rod, Connecting [Ku]	8
▲	8	9004362	Crankpin, Metal [Ku]	4
▽	9	73526	Crankshaft	1
▲	10	70942	Bearing, Cshft [Ku]	1
▲	11	73527	Ball, Cshft [Ku]	4
▲	12	73528	Gear, Cshft [Ku]	1
▲	13	73529	Key [Ku]	1
▲	14	73530	Gear, Pump, Oil [Ku]	1
	15	73532	Screw, Hex, Cshft [Ku]	1
	16	70943	Collar, Crank, Front [Ku]	1
	17	9004363	Ring [Ku]	1
	18	9004364	Crankshaft, Metal [Ku]	1
	19	10844	Bearing, Thrust, Std [Ku]	2
	20	10845	Bearing, Thrust, Std [Ku]	2
	21	9004507	Pully, Fan [Ku]	1

Fig. 13 – Flywheel Group



	Ref.	Part No.	Description	Qty.
▽	1	70956	Comp. Flywheel	1
▲	2	9004442	Gear, Ring [Ku]	1
	3	73533	Bolt, Flywheel	6
	4	73534	Bolt	8

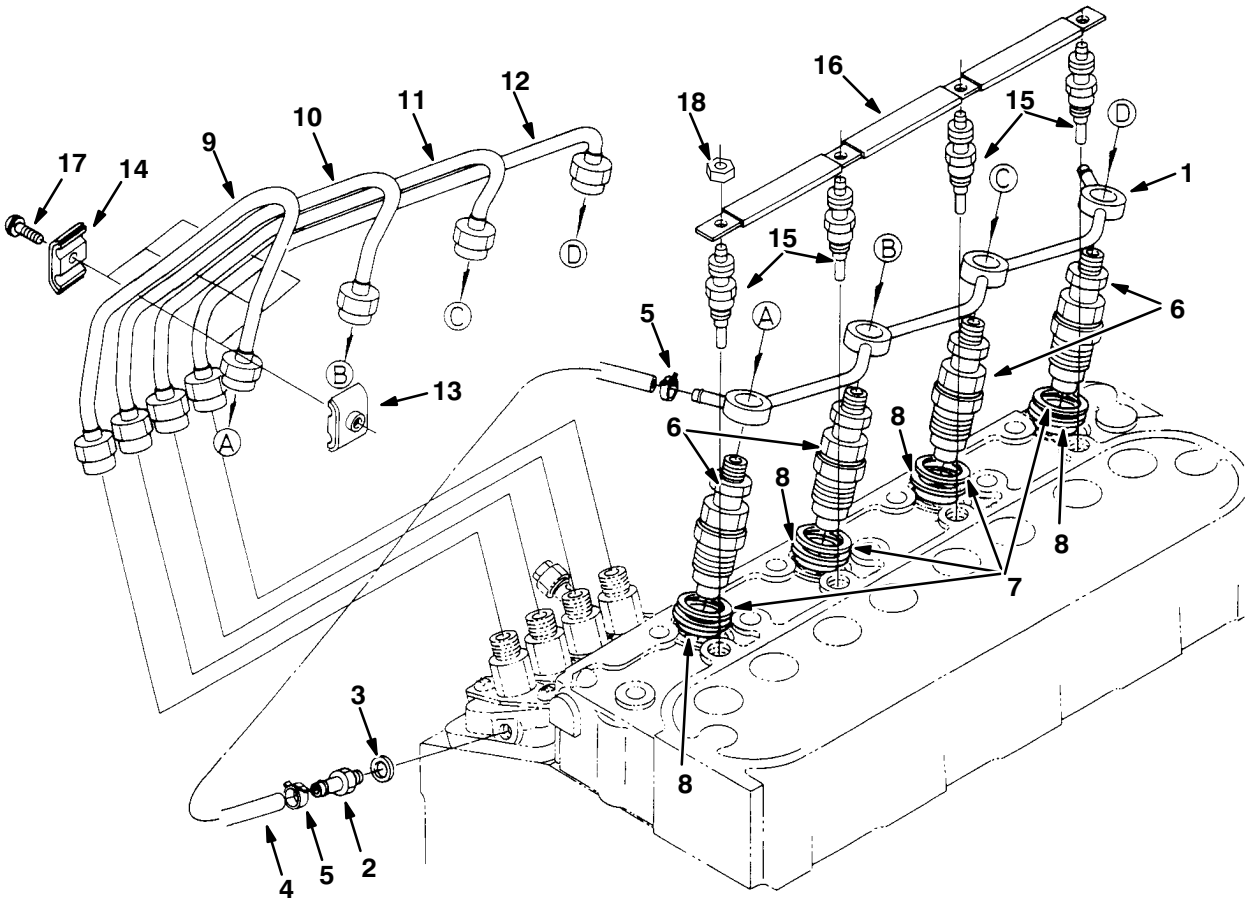
Fig. 14 – Starter Breakdown, 74405



	Ref.	Part No.	Description	Qty.
▽	1	74405	Assy Starter	1
▲	2	70196	Assy Yoke	1
▲▽	3	70197	Assy Armature	1
▲▲	4	70198	Bearing	1
▲▲	5	70199	Bearing	1
▲	6	70200	Clutch, Over Running	1
▲	7	70201	Frame, Drive End	1
▲	8	70202	Assy Switch, Magneto	1
▲	9	70203	Frame, End	1
▲▽	10	70204	Assy Holder, Brush	1
▲▲	11	70205	Spring, Brush	4
▲	12	70206	Gear	1
▲	13	70207	Retainer	1
▲	14	73545	Roller	5
▲	15	70208	Spring	1
▲	16	73547	Ball	1
▲	17	70209	Bolt	2
▲	18	20433	O–Ring	2
▲	19	70210	Bolt	2
▲	20	20432	Assy Bolt	2
▲	21	70211	Cover	1
▲	22	73551	Nut, Hexagon	1
▲	23	70212	Nut, Hexagon	1
▲	24	70213	Pipe, Drain	1

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Fig. 15 – Nozzle Holder and Glow Plug Group

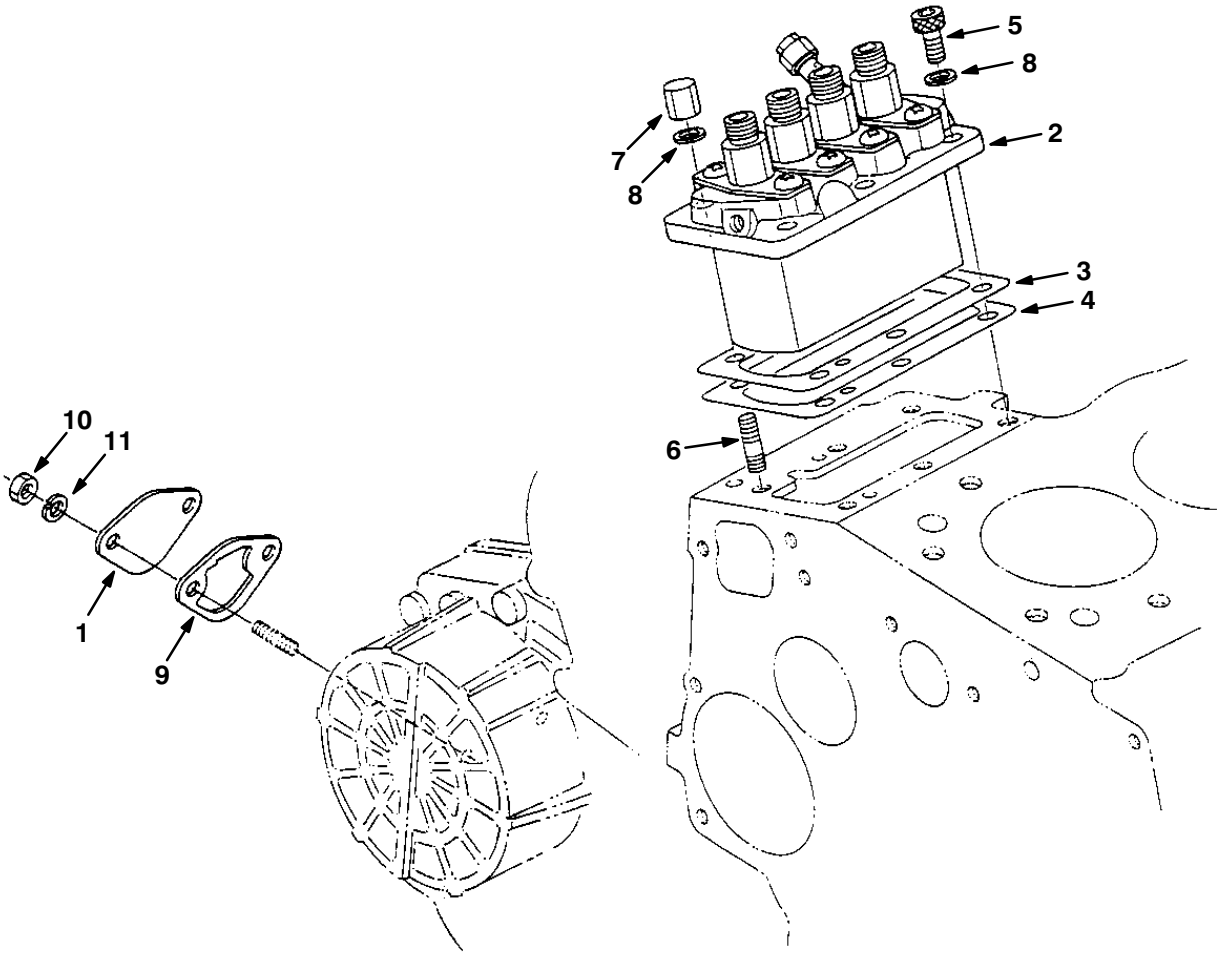


07433

Fig. 15 – Nozzle Holder and Glow Plug Group

	Ref.	Part No.	Description	Qty.
	1	73554	Pipe, Overflow	1
	2	73555	Fitting, Fuel [Ku]	1
	3	40166	Gasket, F/ Bolt [Ku]	1
▽	4	361373	Hose, Fuel [Ku]	1
▲	5	9004390	Pipe, Clip [Ku]	2
▽	6	372917	Housing Assy, Nozzle	4
▲	7	70964	Gasket, Nozzle, Injector [Ku]	1
▲	8	20719	Seal, Heat, Nozzle [Ku]	1
	9	9004391	Pipe, Injection [Ku]	1
	10	70966	Tube, Injector, Pipe #2 [Ku]	1
	11	70967	Tube, Injector, Pipe #32 [Ku]	1
	12	70968	Pipe, Injector, # 4	1
	13	30131	Clamp, Tube, Inj, Pipe #1 [Ku]	3
	14	30132	Clamp, Tube, Inj, Pipe #21 [Ku]	3
	15	9004392	Plug, Glow [Ku]	4
	16	73560	Cord, Ele, Glowplug	1
	17	393566	Screw, W / Washer	3
	18	9004393	Nut, Flange [Ku]	3

Fig. 16 – Injection Pump Group

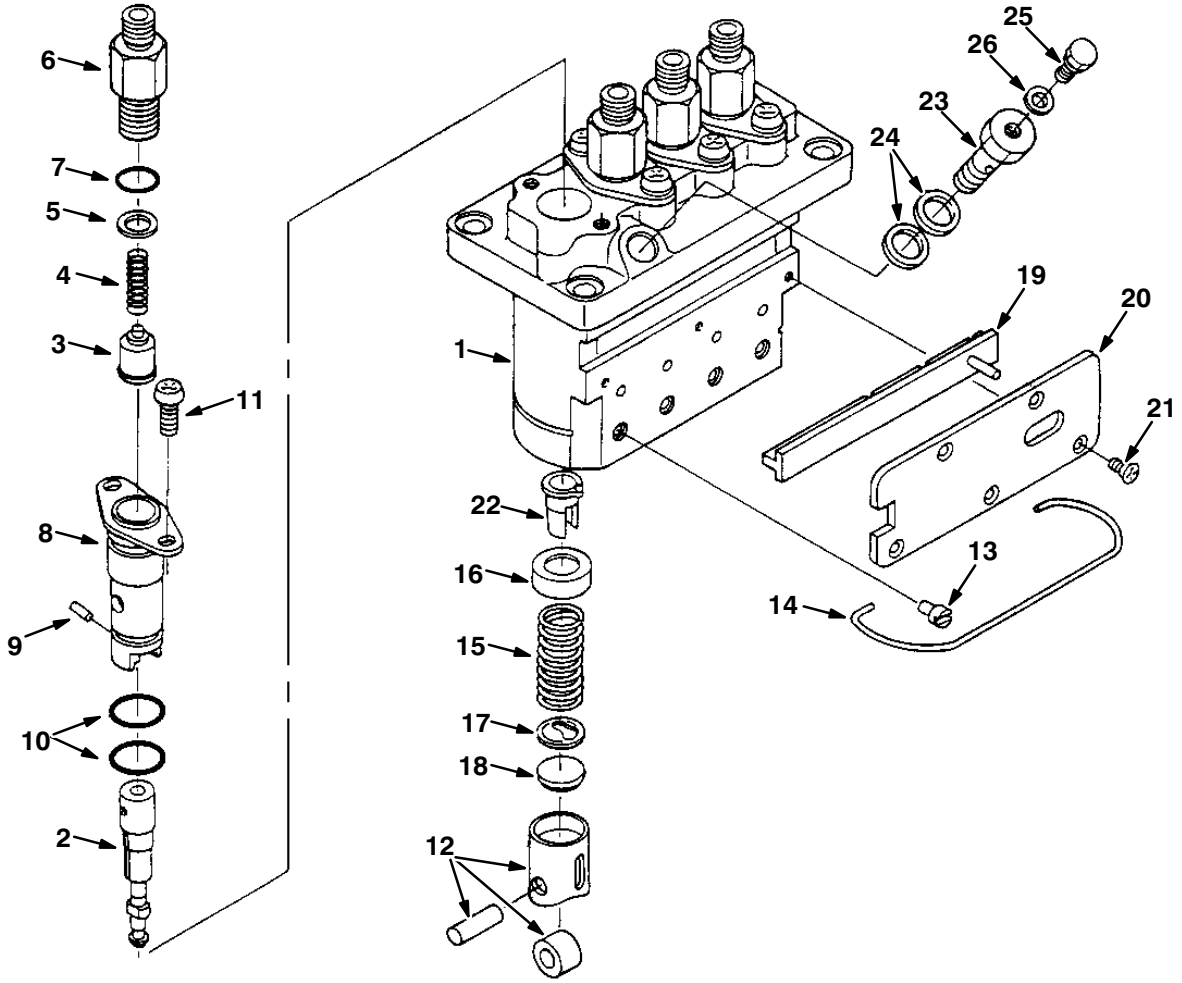


07437

Fig. 16 – Injection Pump Group

Ref.	Part No.	Description	Qty.
1	73565	Fuel Pump Cover Plate	1
2	84635	Assembly Pump, Injection (See Injection Pump Breakdown)	1
3	70972	Shim, Injection Pump 0.20 mm	1
4	70973	Shim, Injection Pump 0.25 mm	2
4	84644	Shim, Injection Pump 0.30 mm	1
5	73561	Bolt	3
6	73562	Stud	3
7	73563	Nut, Cap	3
8	39065	Washer, Spring	6
9	70974	Gasket, Fuel Pump	1
10	39121	Nut	2
11	39065	Washer, Spring	2

Fig. 17 – Injection Pump Breakdown

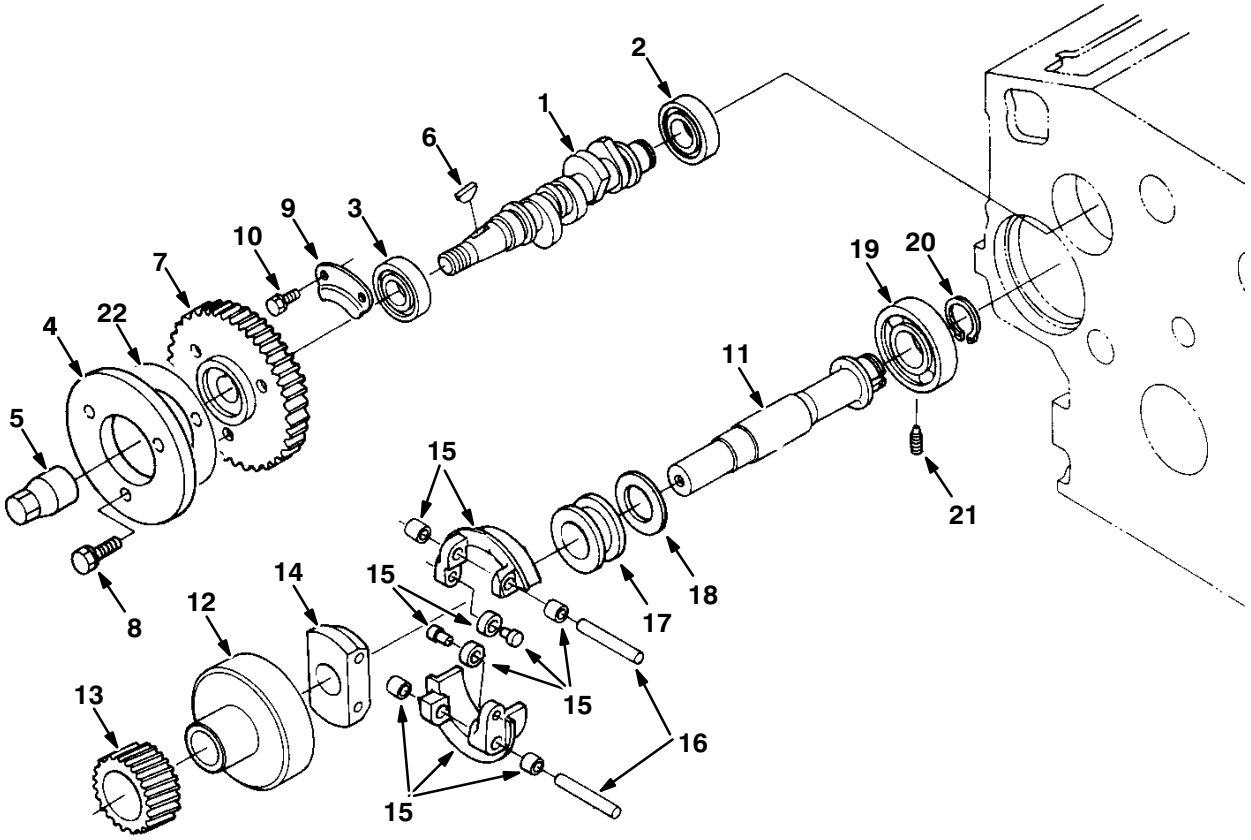


07439

Fig. 17 – Injection Pump Breakdown

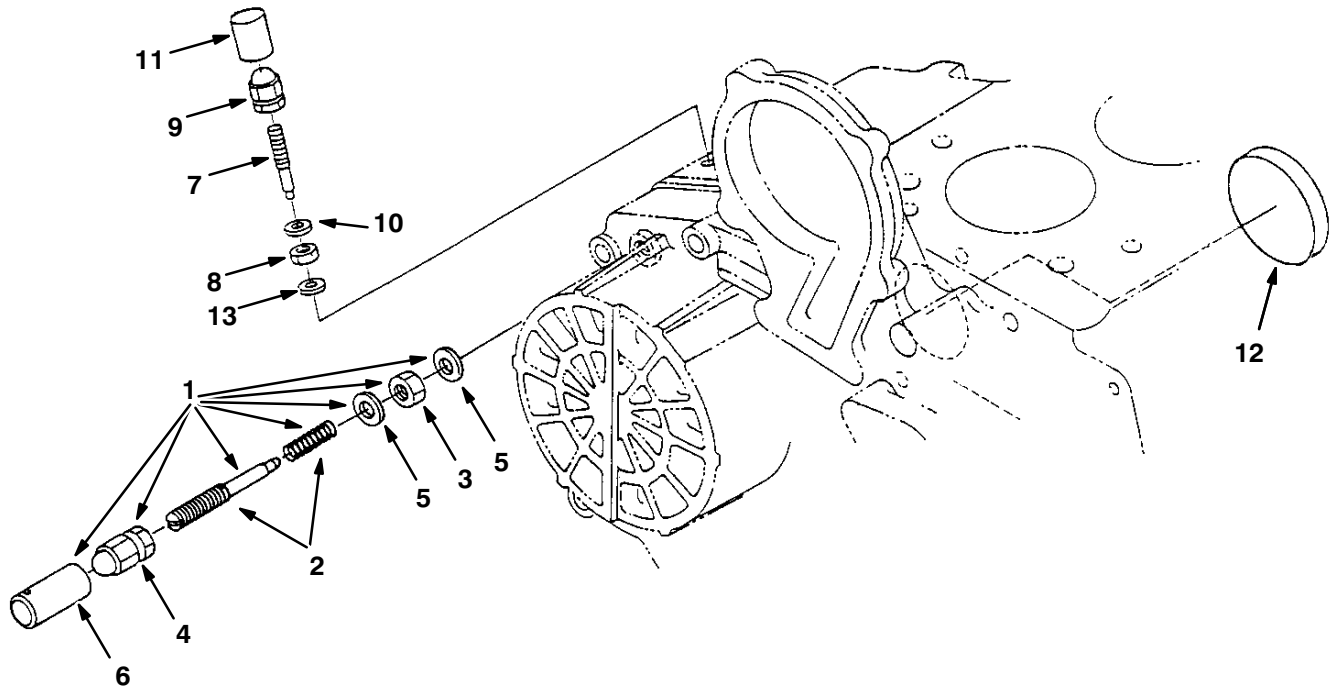
	Ref.	Part No.	Description	Qty.
▽	1	84635	Assembly Pump, Injection	1
▲	2	84648	Plunger, Pump	4
▲	3	73567	Valve, Delivery	4
▲	4	73568	Spring, Delivery Valve	4
▲	5	73569	Gasket, Delivery Valve	4
▲	6	73570	Holder, Delivery Valve	4
▲	7	73571	O–Ring	4
▲	8	73572	Flange, Sleeve	4
▲	9	73573	Pin, Joint	4
▲	10	73574	O–Ring	8
▲	11	73575	Screw	8
▲	12	73576	Assembly Tappet	4
▲	13	73577	Pin, Tappet Guide	4
▲	14	73578	Pin, Clamp	1
▲	15	73579	Spring, Plunger	4
▲	16	73580	Seat, Spring Upper	4
▲	17	73581	Seat, Spring Lower	4
▲	18	73582	Shim	1
▲	19	84649	Rack, Control	1
▲	20	84650	Plate	1
▲	21	73585	Screw	5
▲	22	73586	Sleeve, Control	4
▲	23	84651	Screw, Follow	1
▲	24	73588	Gasket	2
▲	25	73589	Screw	1
▲	26	73590	Gasket	1

Fig. 18 – Fuel Camshaft Group



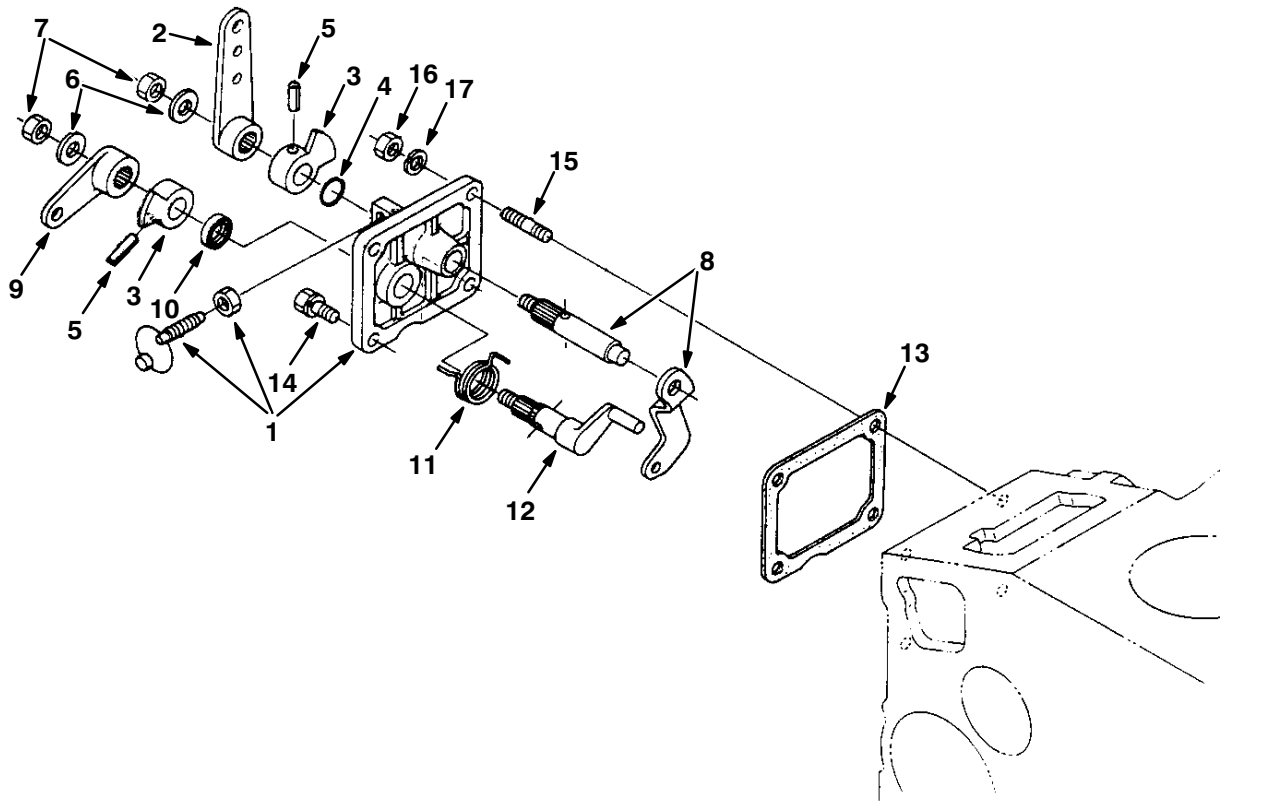
	Ref.	Part No.	Description	Qty.
	1	84636	Camshaft	1
	2	9004368	Bearing, Ball [Ku]	1
	3	9004369	Bearing, Ball [Ku]	1
	4	73592	Cam, Fuel [Ku]	1
	5	73593	Nut, Cap, Cam [Ku]	1
	6	73594	Key, Woodruff [Ku]	1
	7	73595	Gear, Pump, Fuel [Ku]	1
	8	40409	Screw, Hex [Ku]	3
	9	73596	Stopper, Fuel [Ku]	1
	10	41973	Bolt, Hex [Ku]	2
▽	11	73597	Shaft, Govnr	1
▲	12	73598	Holder, Gear [Ku]	1
▲	13	73599	Gear, Govnr [Ku]	1
▲	14	73600	Holder, Govnr [Ku]	1
▲	15	73601	Weight, Comp, Govnr [Ku]	2
▲	16	73602	Shaft, Govnr [Ku]	2
▲	17	70977	Sleeve, Govnr [Ku]	1
▲	18	70978	Washer, Thrust [Ku]	1
	19	9004373	Bearing, Ball [Ku]	1
	20	73603	Ring, Snap [Ku]	1
	21	73604	Screw, Set [Ku]	1
	22	9004370	Washer [Ku]	1

Fig. 19 – Idling Group



	Ref.	Part No.	Description	Qty.
▽	1	70980	Assembly Apparatus, Idle	1
▲	2	73605	Assembly Bolt, Adjusting	1
▲	3	73606	Nut	1
▲	4	361375	Nut, Cap	1
▲	5	40166	Gasket	2
▲	6	30136	Cap	1
	7	73610	Bolt, Adjusting	1
	8	9004374	Nut	1
	9	361375	Nut, Cap	1
	10	40166	Gasket	2
	11	30136	Cap	1
	12	70188	Cover	1
	13	9004375	Gasket [Ku]	1

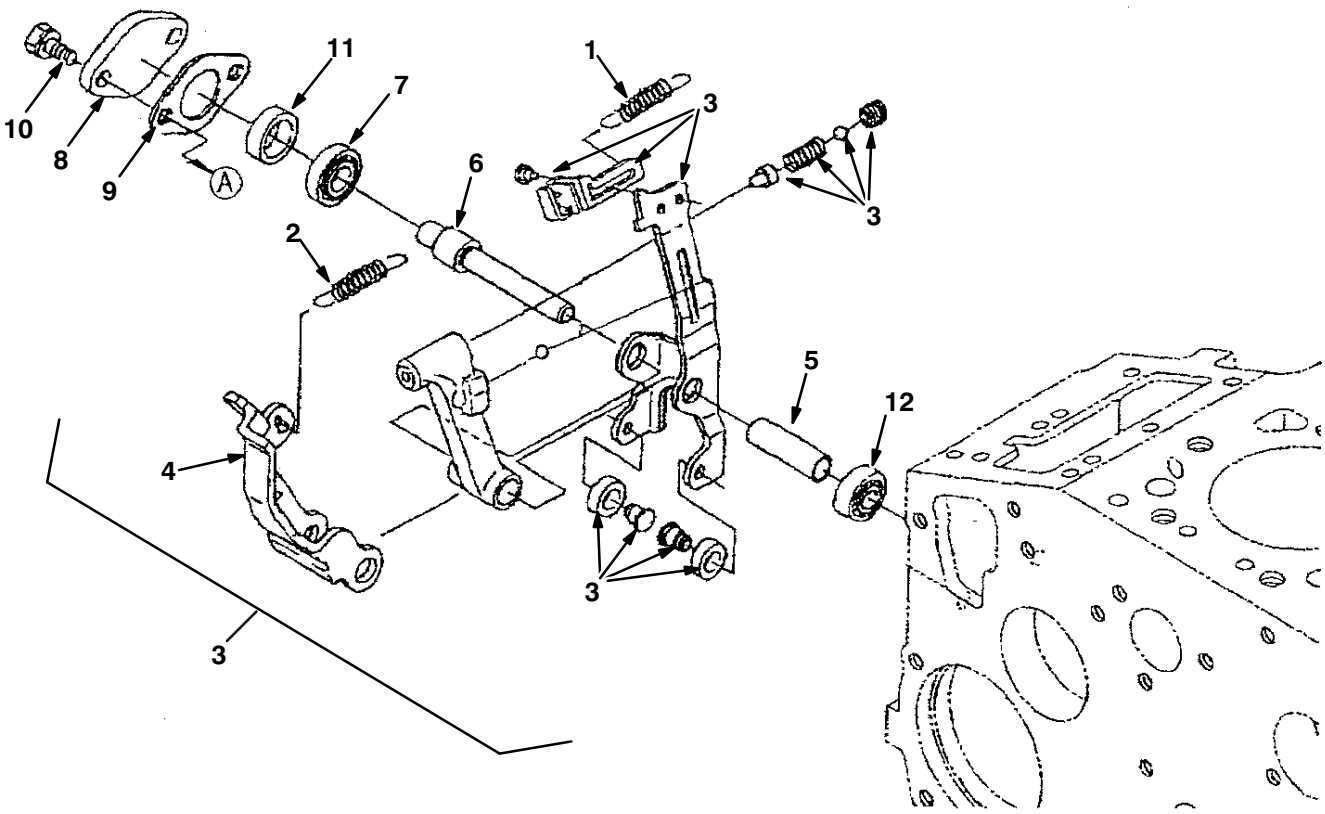
Fig. 20 – Speed Control Plate Group



07445

	Ref.	Part No.	Description	Qty.
▽	1	70982	Plate, Cntrl, Spd [Ku]	1
▲	2	73618	Lever, Cntrl, Spd [Ku]	1
▲	3	73619	Lever, Cntrl, Spd [Ku]	2
▲	4	9004385	O−Ring [Ku]	1
▲	5	40407	Pin, Spring [Ku]	2
▲	6	73621	Washer, Flat [Ku]	2
▲	7	73622	Nut, Hex [Ku]	2
▲	8	73623	Lever, Plate, Cntrl [Ku]	1
▲	9	73624	Lever, Stop [Ku]	1
▲	10	70983	Seal, Oil [Ku]	1
▲	11	73625	Spring, Tors [Ku]	1
▲	12	73626	Shaft, Lever, Spd [Ku]	1
	13	70984	Gasket, Cover, Spd [Ku]	1
	14	41973	Bolt, Hex [Ku]	2
	15	9004386	Stud [Ku]	2
	16	39121	Nut, Hex [Ku]	2
	17	39065	Washer, Lock, Split [Ku]	2

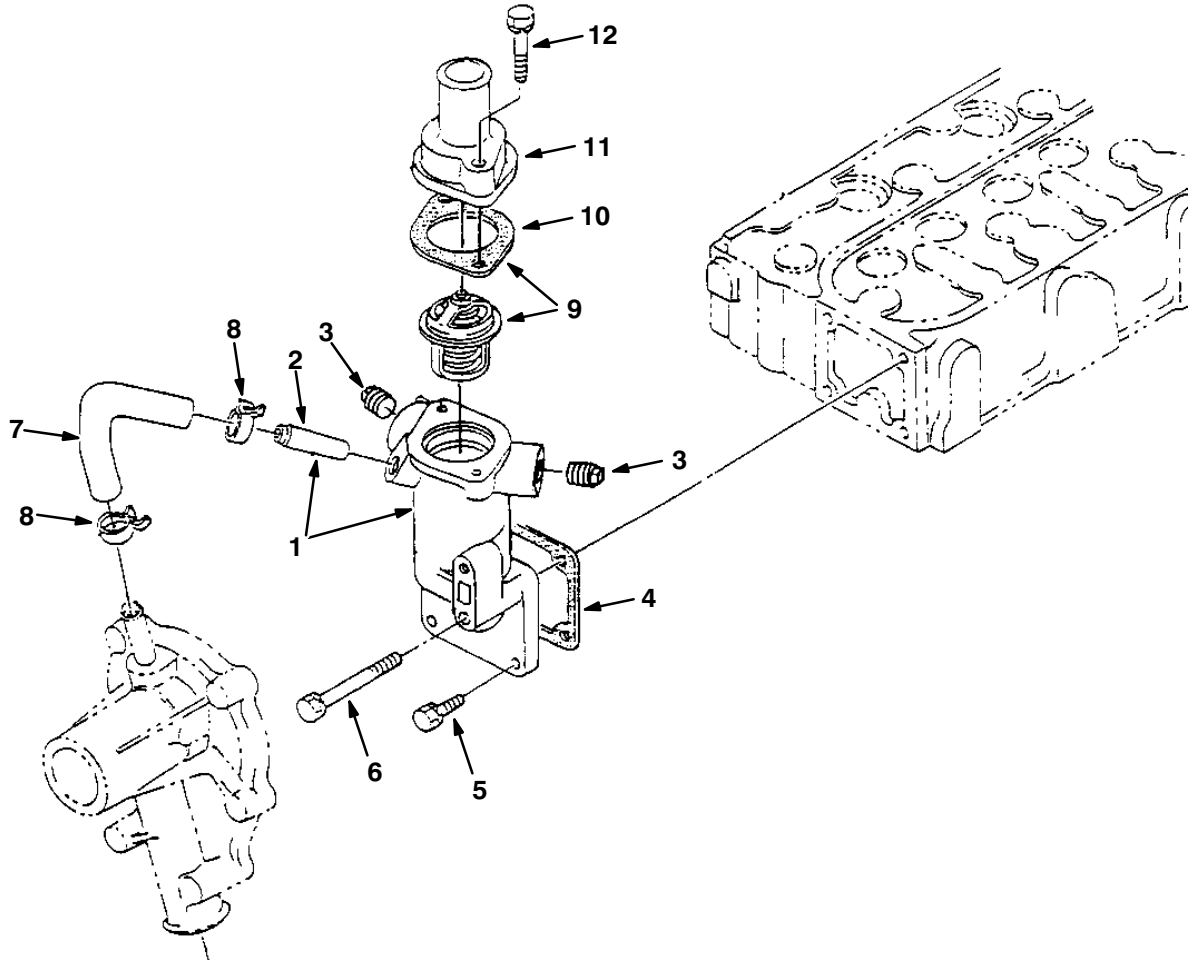
Fig. 21 – Governor Group



07447

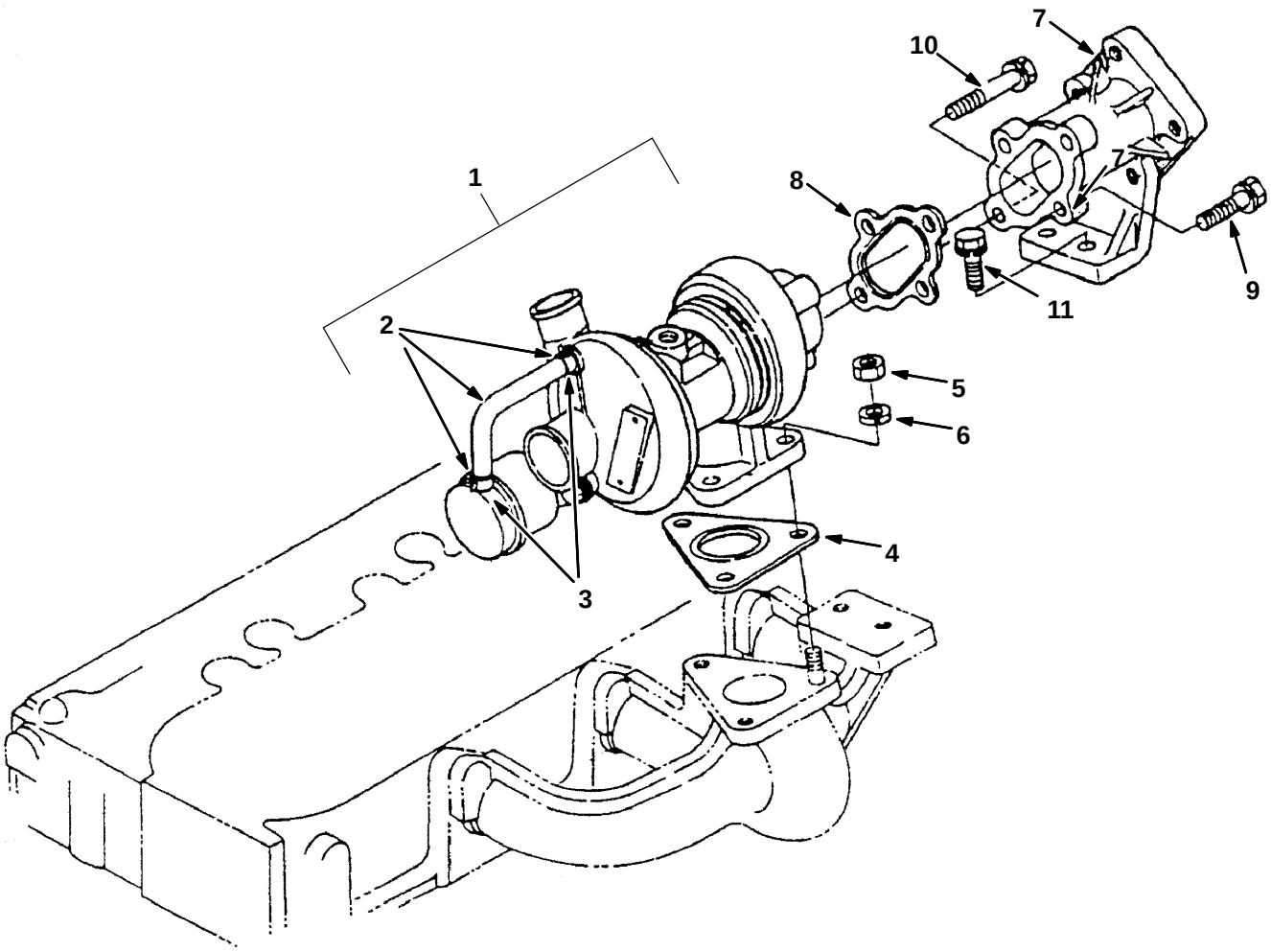
	Ref.	Part No.	Description	Qty.
	1	9004379	Spring, Start [Ku]	1
	2	70986	Spring, Ext, Govnr [Ku]	1
▽	3	9004380	Lever, Fork Assy [Ku]	1
▲	4	9004381	Lever, Fork [Ku]	1
▲	5	9004382	Lever, Fork, Shaft [Ku]	1
▲	6	9004383	Lever, Fork, Shaft [Ku]	1
▲	7	70989	Bearing, Ball [Ku]	1
▲	8	73631	Cover, Lever, Gov [Ku]	1
▲	9	361430	Gasket, Cover, Gov [Ku]	1
	10	39160	Bolt, Hex [Ku]	2
	11	70991	Collar, Govnr [Ku]	1
	12	70992	Bearing, Ball [Ku]	1

Fig. 22 – Water Flange Group



	Ref.	Part No.	Description	Qty.
▽	1	368090	Comp. Flange, Water	1
▲	2	384859	Pipe, Water Return 1	1
	3	73632	Plug	2
	4	70994	Gasket, Water Flange	1
	5	41973	Bolt	3
	6	72995	Bolt	1
	7	73633	Pipe, Water Return 2	1
	8	73634	Band, Pipe	2
	9	10852	Thermostat, 180deg, 1.7d	1
	10	10851	Gasket, Thermostat	1
	11	368091	Cover, Thermostat	1
	12	40418	Bolt	2

Fig. 23 – Turbo Charger Group



	Ref.	Part No.	Description	Qty.
▽	1	9004508	Turbo Assy, Charger [Ku]	1
▲▽	2	9004509	Hose, Turbo, Charger [Ku]	1
▲▲	3	9004510	Hose, Clamp [Ku]	2
	4	9004511	Gasket, Turbo [Ku]	1
	5	39096	Nut	3
	6	39097	Washer, Lock, Split [Ku,04512–50080]	3
	7	368296	Flange, Muffler	1
	8	9004512	Gasket, Turbo [Ku]	1
	9	73535	Screw, Hex [Ku]	3
	10	368293	Bolt	1
	11	39138	Bolt	2

Fig. 24 – Oil Cooler Group

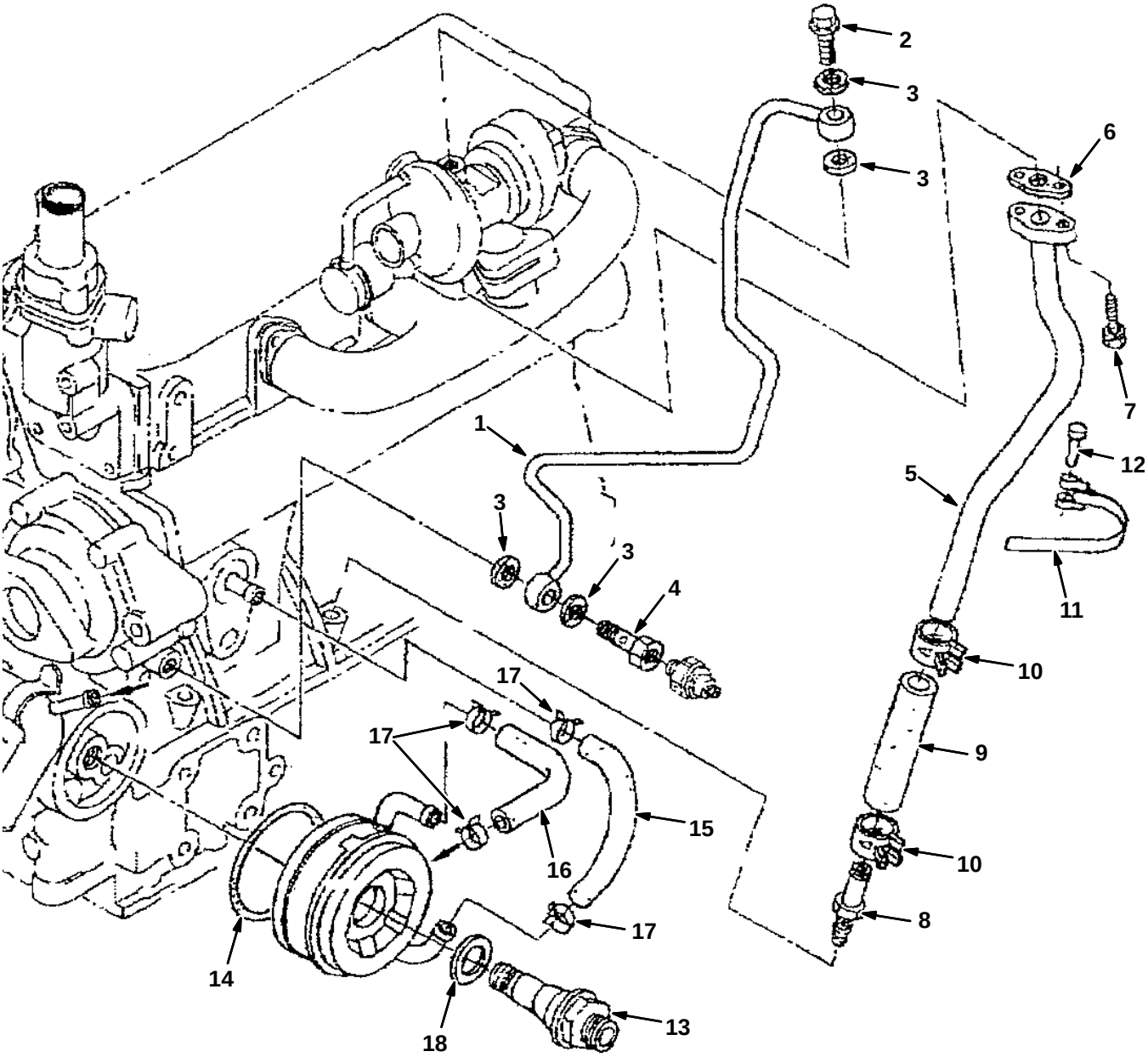


Fig. 24 – Oil Cooler Group

	Ref.	Part No.	Description	Qty.
	1	9004416	Pipe, Oil [Ku]	1
	2	368305	Bolt, Eye	1
	3	368300	Gasket	2
	4	368302	Bolt, Eye	1
	5	9004417	Pipe, Oil [Ku]	1
	6	368306	Gasket	1
	7	40409	Screw, Hex [Ku]	2
▽	8	9004418	Pipe, Oil [Ku]	1
▲	9	368301	Tube, Oil	1
	10	368298	Clamp, Hose	2
	11	368299	Clamp, Pipe	1
	12	368311	Pin, Clamp	1
	13	9004419	Connector [Ku]	1
	14	9004420	O–Ring [Ku]	1
	15	9004421	Pipe, Oil, Cooler [Ku]	1
	16	73633	Hose, Water [Ku]	1
	17	73634	Clamp, Hose, Heater [Ku]	4
	18	368304	Collar	1

SECTION 6

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Fig. 1 – Crankcase and Oil Pan Group

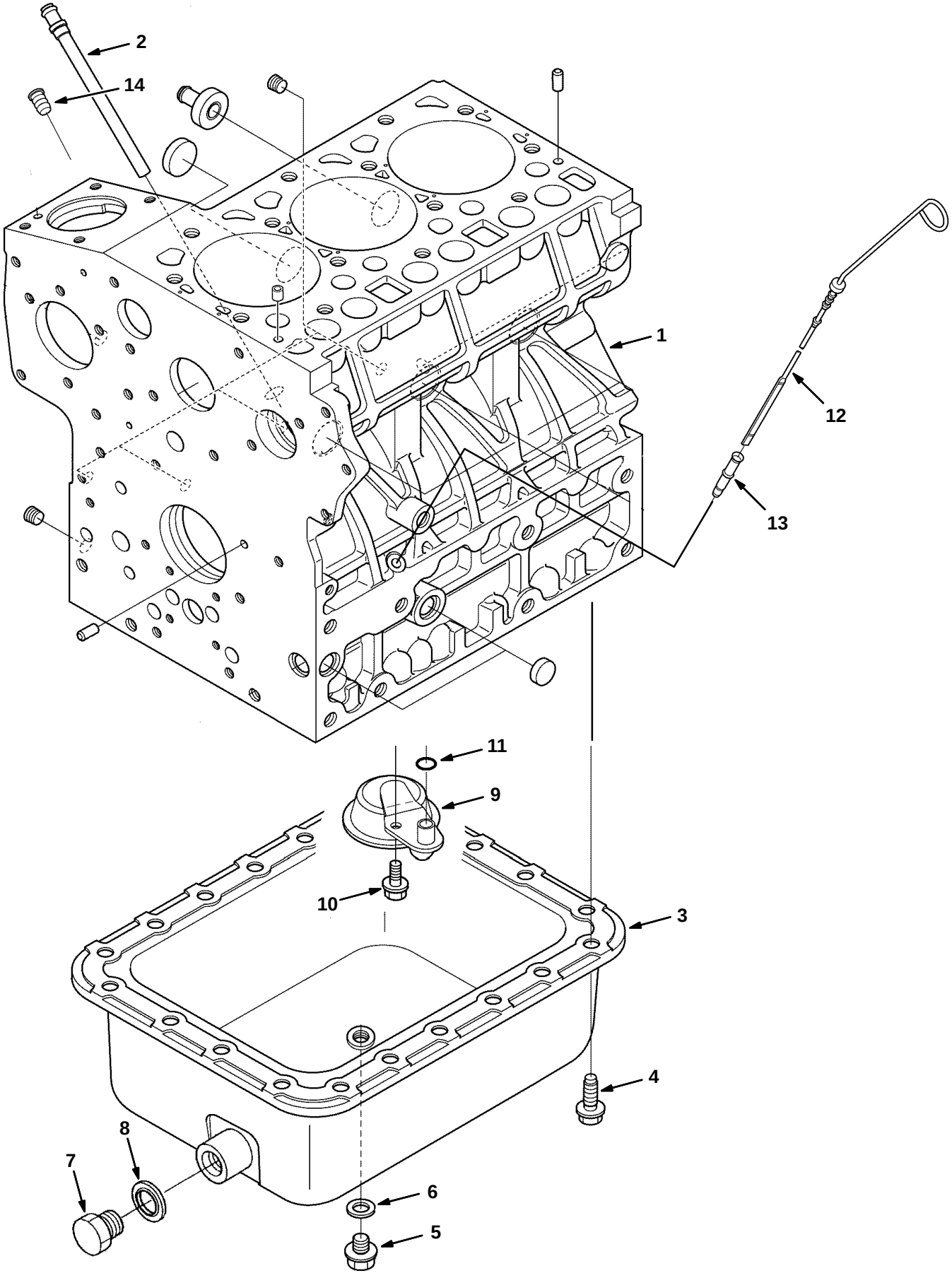
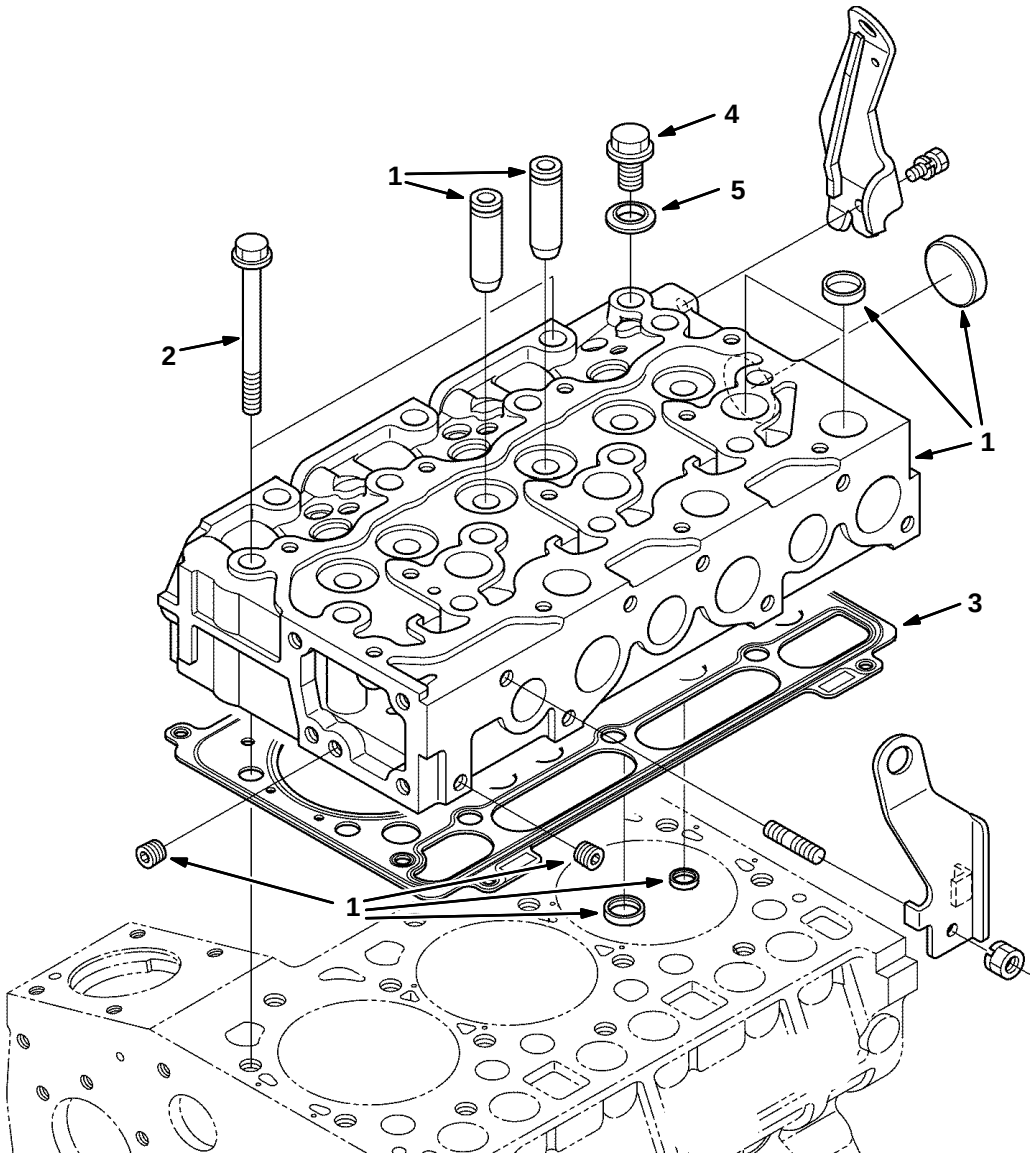


Fig. 1 – Crankcase and Oil Pan Group

Ref.	Part No.	Description	Qty.
1	9018946	Crankcase Assy [Ku D1803–Cr–Te5b]	1
2	9018947	Pipe Assy, Oil Return [Ku D1803–Cr–T	1
3	9018948	Oil Pan [Ku D1803–Cr–Te5b]	1
4	9018949	Bolt, Flng, Oil Pan	20
5	9018950	Plug [Kubota Engine]	1
6	9018951	Gasket, Oil Pan [Ku D1803–Cr–Te5b]	1
7	9018952	Front Drain Plug [Ku D1803–Cr–Te5b]	1
8	9018953	Washer, Drain Plug [Ku D1803–Cr–Te5b	1
9	9018954	Filter, Drain Pan [Ku D1803–Cr–Te5b]	1
10	9018955	Bolt, Oil Drain Pan Filter [Kud1803–	1
11	9018956	O–Ring, Oil Drain Pan Fltr [Ku D1803	1
12	9018957	Oil Gauge [Ku D1803–Cr–Te5b]	1
13	9018958	Oil Gauge Tube [Ku D1803–Cr–Te5b]	1
14	9018959	Oil Gauge Plug [Ku D1803–Cr–Te5b]	1

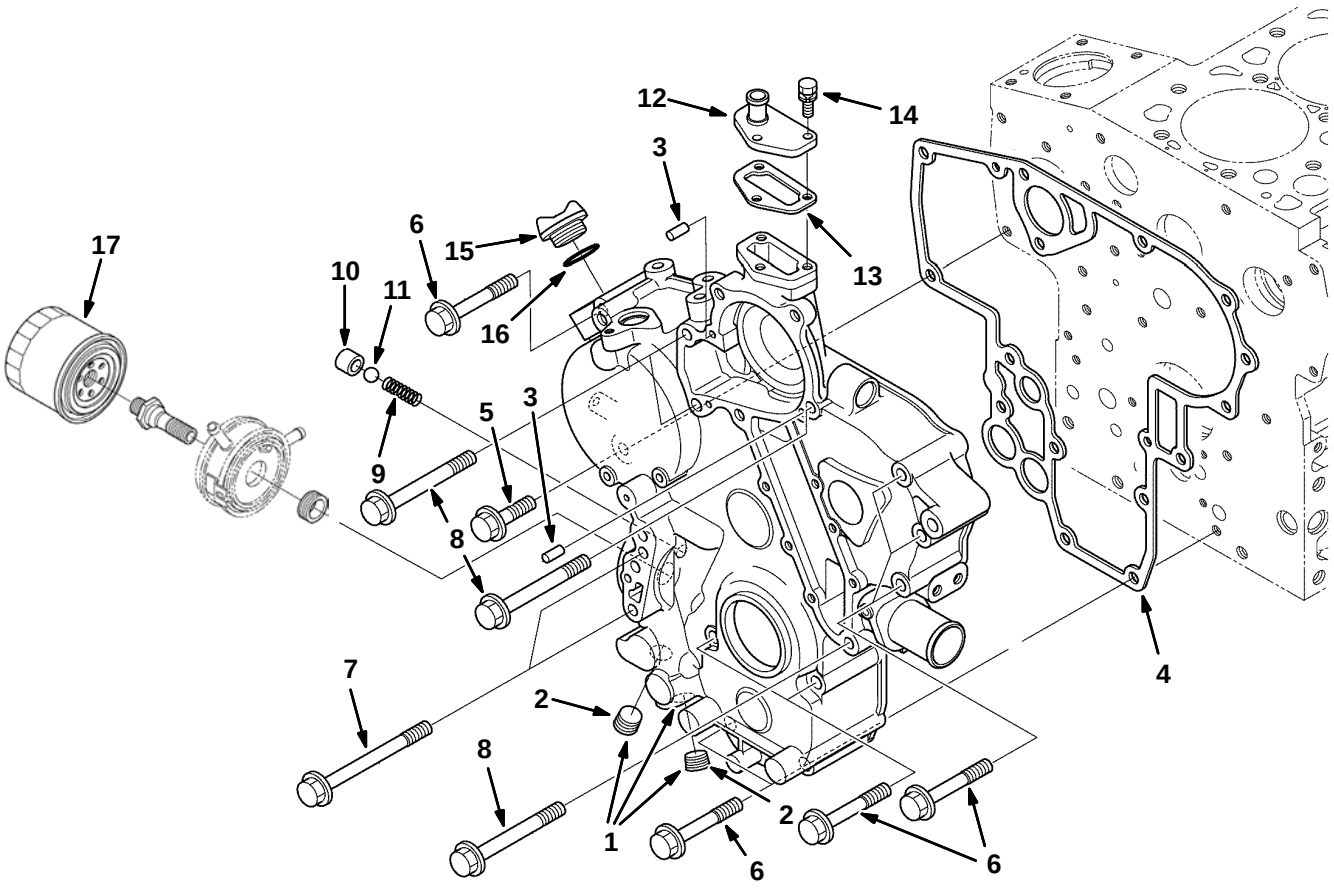
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Fig. 2 – Cylinder Head Group



Ref.	Part No.	Description	Qty.
1	9018966	Cylinder Head Assy [Ku D1803–Cr–Te5	1
2	9018967	Bolt Cylinder Head [Ku D1803–Cr–Te5	14
3	9018968	Head Gasket 120 [Ku D1803–Cr–Te5b]	1
3	9018969	Head Gasket 115 [Ku D1803–Cr–Te5b]	1
3	9018970	Head Gasket 125 [Ku D1803–Cr–Te5b]	1
3	9018971	Head Gasket 130 [Ku D1803–Cr–Te5b]	1
3	9018972	Head Gasket 135 [Ku D1803–Cr–Te5b]	1
4	9018973	Plug [Kubota Engine]	1
5	9018974	Head Gasket Seal [Ku D1803–Cr–Te5b]	1

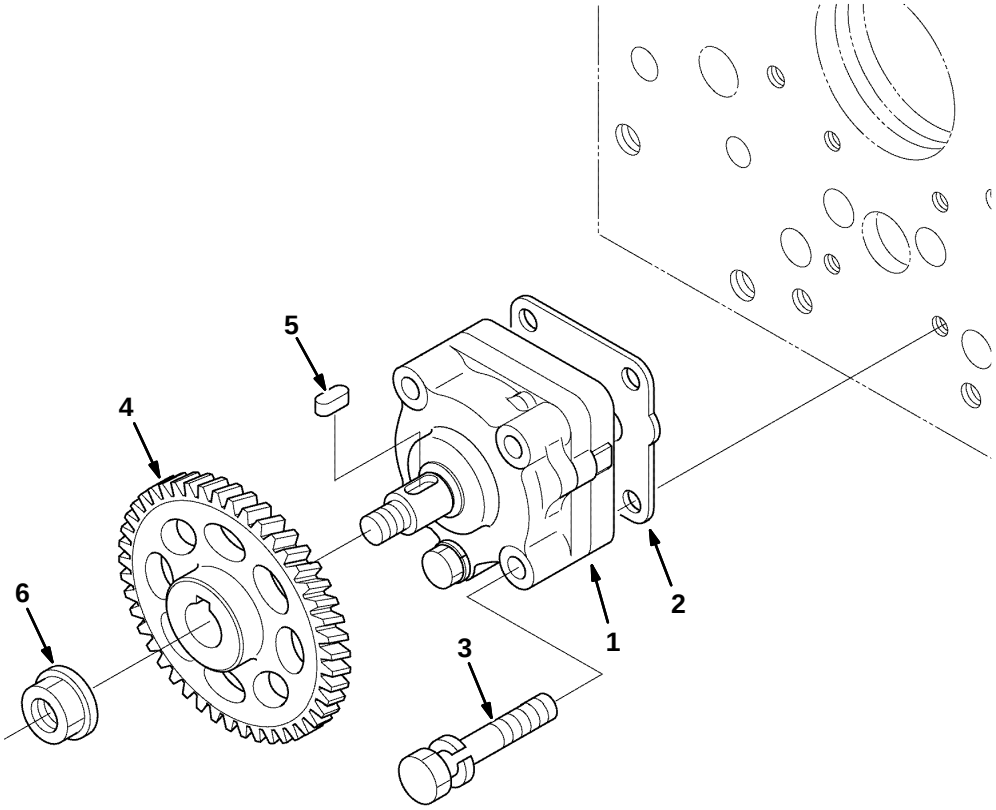
Fig. 3 – Gear Case and Oil Filter Group



	Ref.	Part No.	Description	Qty.
▽	1	9019020	Gear Case [Ku D1803–Cr]	1
▲	2	9019033	Gear Case Plug [Ku D1803–Cr]	2
	3	9019034	Pin [Kubota Engine]	2
	4	9019021	Gear Case Gasket [Ku D1803–Cr]	1
	5	9019022	Gear Case Bolt [Ku D1803–Cr]	1
	6	9019023	Gear Case Bolt [Ku D1803–Cr–T45b]	8
	7	9019024	Gear Case Bolt [Ku D1803–Cr–T45b]	2
	8	9019025	Gear Case Bolt [Ku D1803–Cr–T45b]	4
	9	9019026	Spring [Kubota Engine]	1
	10	9019027	Gear Case Valve Seat [Ku D1803–Cr]	1
	11	9019028	Valve Ball [Kubota Engine]	1
	12	9019029	Gear Case Valve Flange [Ku D1803–Cr]	1
	13	9019230	Egr Bolt [Ku D1803–Cr–Te5b]	1
	14	9019031	Gear Case Bolt [Ku D1803–Cr–Te5b]	3
	15	9019018	Oil Fill Plug [Ku D1803–Cr–Te5b]	1
	16	9019019	O–Ring [Kubota Engine]	1
	17	9019032	Oil Filter [Ku D1803–Cr–Te5b]	1

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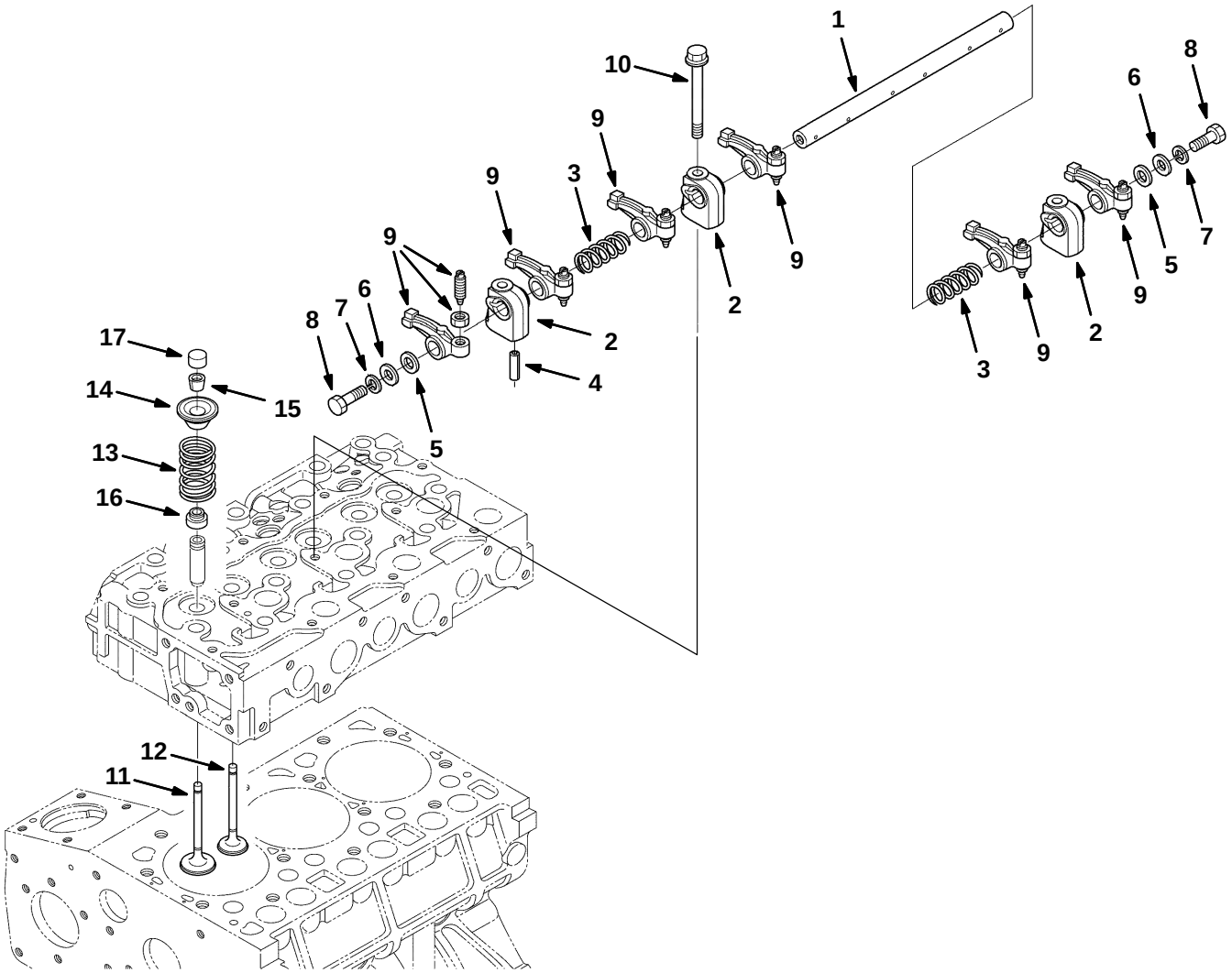
Fig. 4 – Oil Pump Group



Ref.	Part No.	Description	Qty.
1	9018960	Oil Pump Assy [Ku D1803–Cr–Te5b]	1
2	9018961	Gasket, Oil Pump [Ku D1803–Cr–Te5b]	1
3	9018962	Bolt, Oil Pump [Ku D1803–Cr–Te5b]	4
4	9018963	Oil Pump Gear [Ku D1803–Cr–Te5b]	1
5	9018964	Key [Kubota Engine]	1
6	9018965	Nut [Kubota Engine]	1

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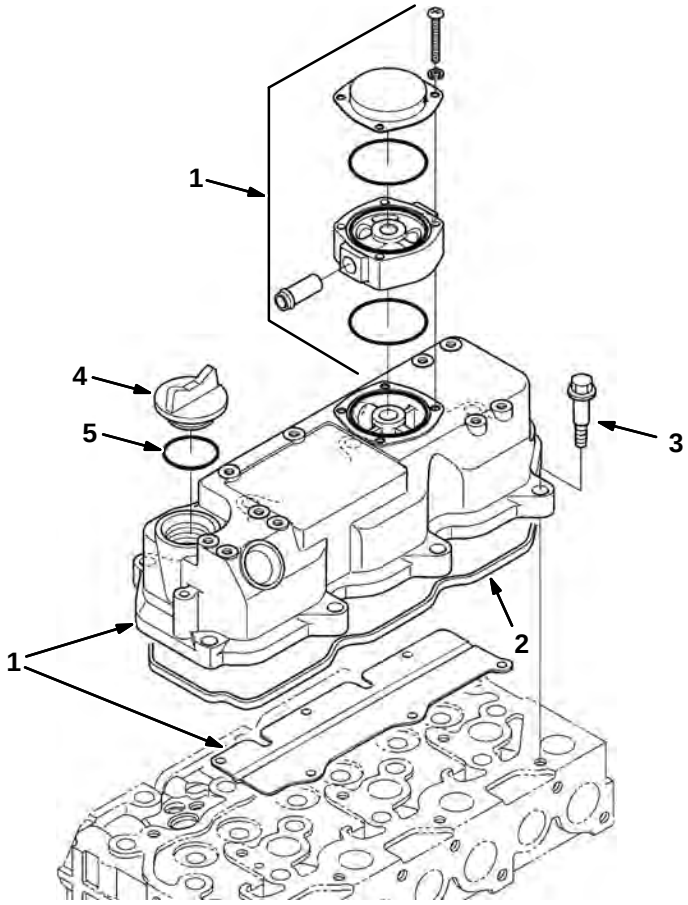
Fig. 5 – Rocker Arm and Valve Group



Ref.	Part No.	Description	Qty.
1	9019005	Rocker Arm Shaft [Ku D1803–Cr–Te5b]	1
2	9019006	Rocker Arm Brckt [Kubota Eng]	3
3	9019007	Rocker Arm Spring [Kubota Eng]	2
4	9019008	Pin [Kubota Engine]	1
5	9019009	Rocker Arm Washer [Kubota Eng]	2
6	9019010	Rocker Arm Washer Plai [Ku D1803–Cr]	2
7	9019011	Washer [Kubota Engine]	2
8	9019012	Hex Bolt [Kubota Engine]	2
9	9019013	Rocker Arm [Ku D1803–Cr–Te5b]	6
10	9019014	Rocker Arm Bolt [Ku D1803–Cr–Te5b]	3
11	9018998	Inlet Valve [Ku D1803–Cr–Te5b]	3
12	9018999	Exhaust Valve [Ku D1803–Cr–Te5b]	3
13	9019000	Valve Spring [Ku D1803–Cr–Te5b]	6
14	9019001	Valve Spring Retainer [Kubota Eng]	6
15	9019002	Valve Spring Collet [Kubota Eng]	6
16	9019003	Seal [Kubota Engine]	6
17	9019004	Valve Cap [Ku D1803–Cr–Te5b]	6

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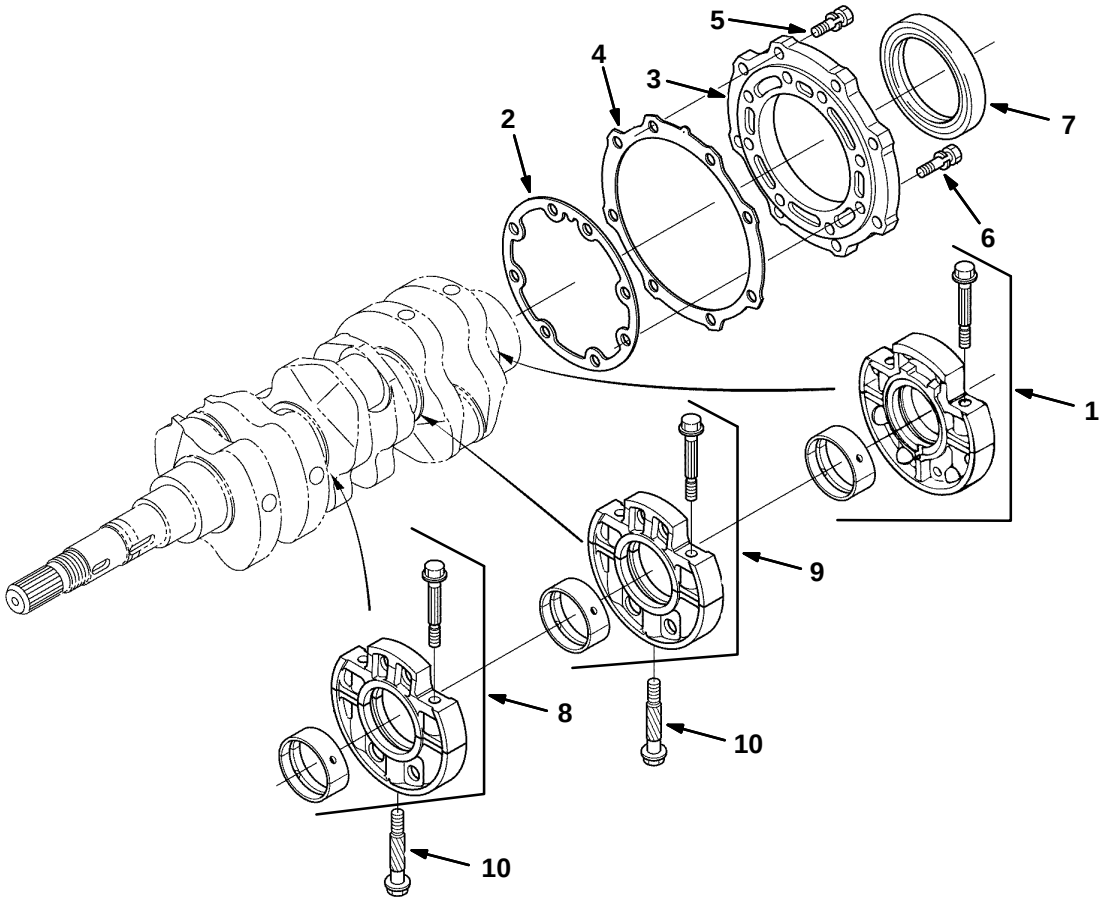
Fig. 6 – Head Cover Group



Ref.	Part No.	Description	Qty.
1	9019015	Head Cover Assy [Ku D1803–Cr–Te5b]	1
2	9019016	Head Cover Gaskt [Ku D1803–Cr–Te5b]	1
3	9019017	Head Cover Bolt [Ku D1803–Cr–Te5b]	8
4	9019018	Oil Fill Plug [Ku D1803–Cr–Te5b]	1
5	9019019	O–Ring [Kubota Engine]	1

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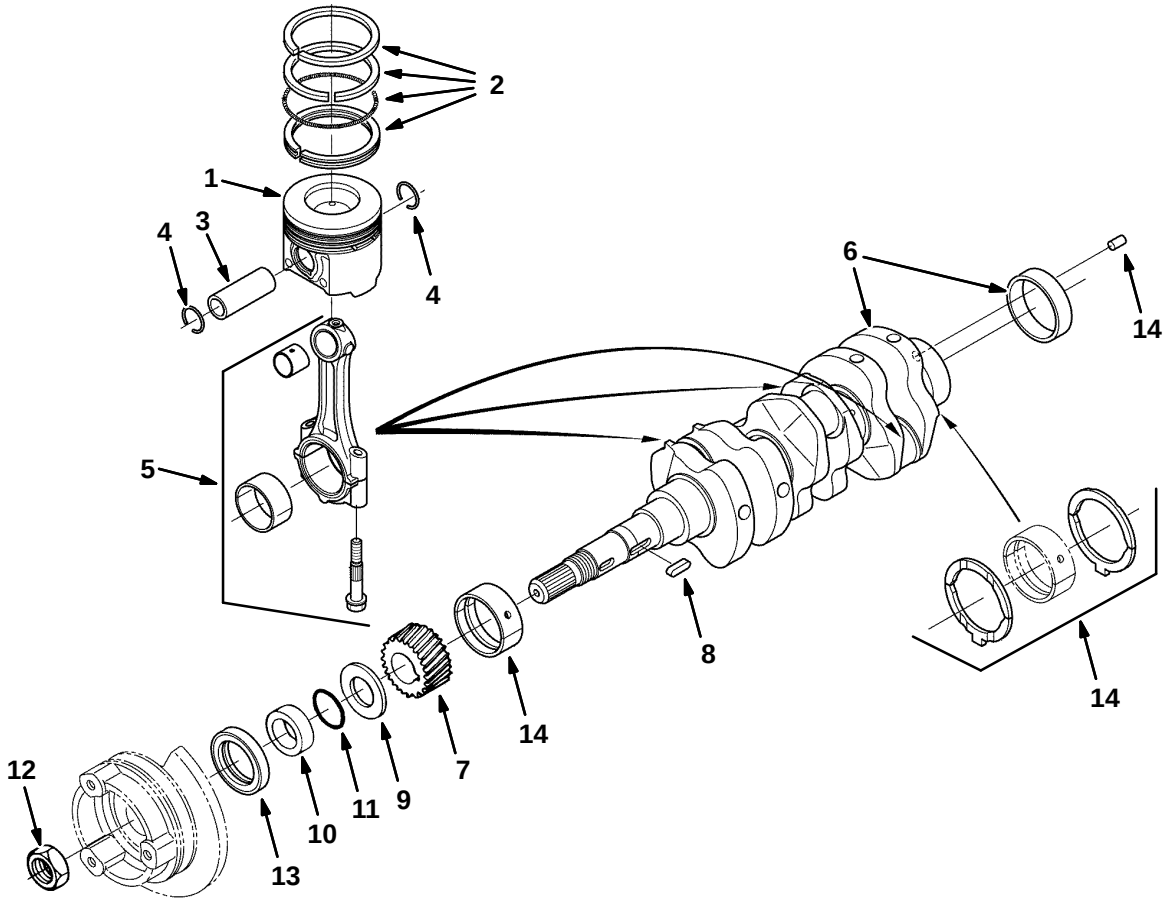
Fig. 7 – Main Bearing Case Group



Ref.	Part No.	Description	Qty.
1	9019035	Main Bearing Case Wheel [Ku D1803–Cr	1
2	9019036	Bearing Case Gasket [Ku D1803–Cr–Te5	1
3	9019037	Bearing Case Cover [Ku D1803–Cr–Te5b	1
4	9019038	Case Cover Gasket [Ku D1803–Cr–Te5b]	1
5	9019039	Bearing Case Bolt [Ku D1803–Cr–Te5b]	8
6	9019040	Bolt [Kubota Engine]	8
7	9019041	Bearing Case Seal [Ku D1803–Cr–Te5b]	1
8	9019042	Bearing Case Assy [Ku D1803–Cr–Te5b]	1
9	9019043	Bearing Case Assy [Ku D1803–Cr–Te5b]	1
10	9019044	Bearing Case Bolt [Ku D1803–Cr–Te5b]	2

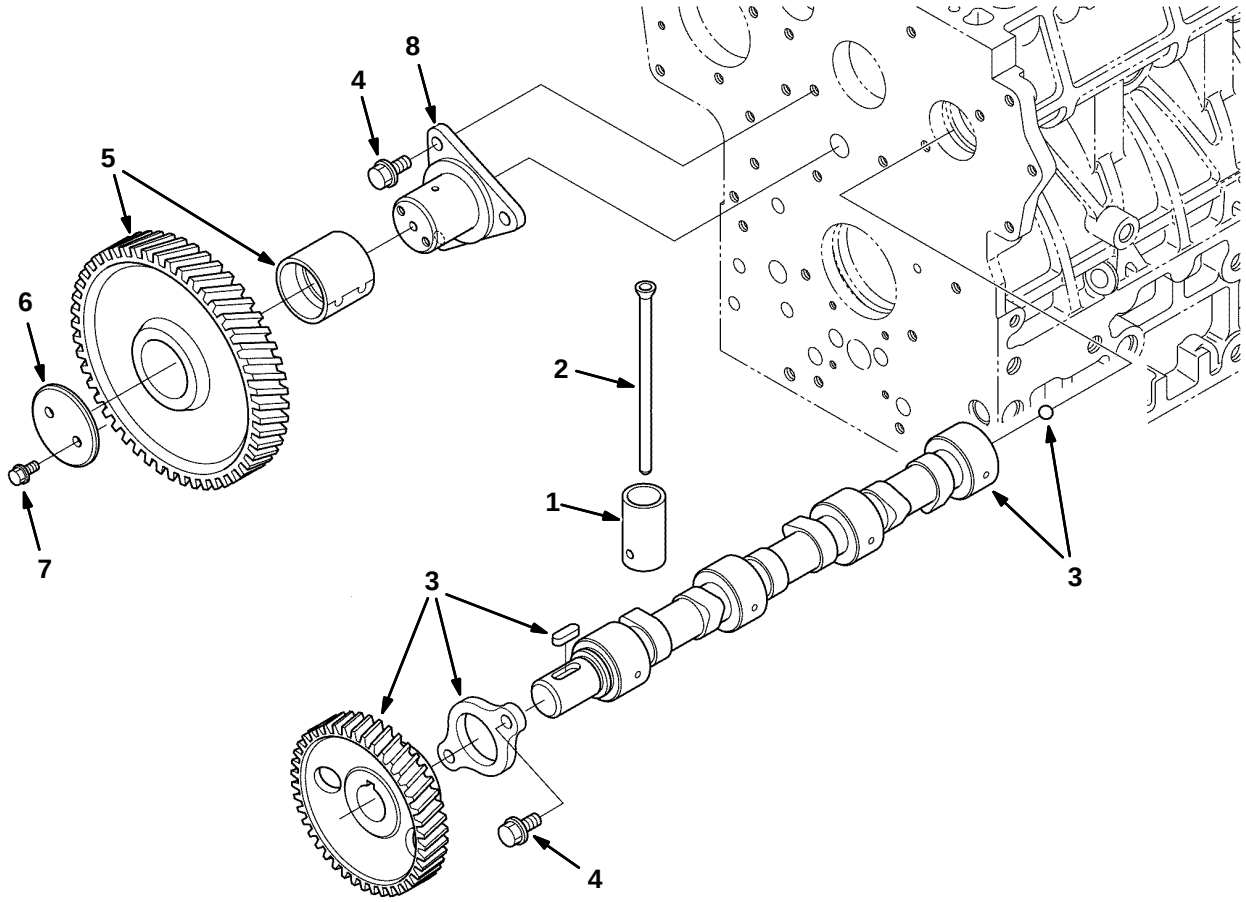
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Fig. 8 – Piston and Crankshaft Group



Ref.	Part No.	Description	Qty.
1	9019045	Piston, Std [Ku D1803–Cr–Te5b]	3
1	9019046	Piston +.25 [Ku D1803–Cr–Te5b]	3
2	9019047	Piston Ring [Ku D1803–Cr–Te5b]	3
2	9019048	Piston Ring +.25 [Ku D1803–Cr–Te5b]	3
3	9019049	Piston Pin [Ku D1803–Cr–Te5b]	3
4	9019050	Piston Clip [Ku D1803–Cr–Te5b]	6
5	9019051	Connecting Rod [Ku D1803–Cr–Te5b]	3
6	9019052	Crankshaft [Ku D1803–Cr–Te5b]	1
7	9019053	Crankshaft Gear [Ku D1803–Cr–Te5b]	1
8	9019054	Key [Kubota Engine]	1
9	9019055	Oil Slinger [Kubota Engine]	1
10	9019056	Crankshaft Collar [Ku D1803–Cr–Te5b]	1
11	9019057	Crankshaft O–Ring [Ku D1803–Cr–Te5b]	1
12	9019058	Nut [Kubota Engine]	1
13	9019070	Crankshaft Seal [Ku D1803–Cr–Te5b]	1
14	9019059	Metal Kit, Std [Ku D1803–Cr–Te5b]	1
14	9019060	Metal Kit, +/–.20 [Ku D1803–Cr–Te5b]	1
14	9019061	Metal Kit, +/–.40 [Ku D1803–Cr–Te5b]	1

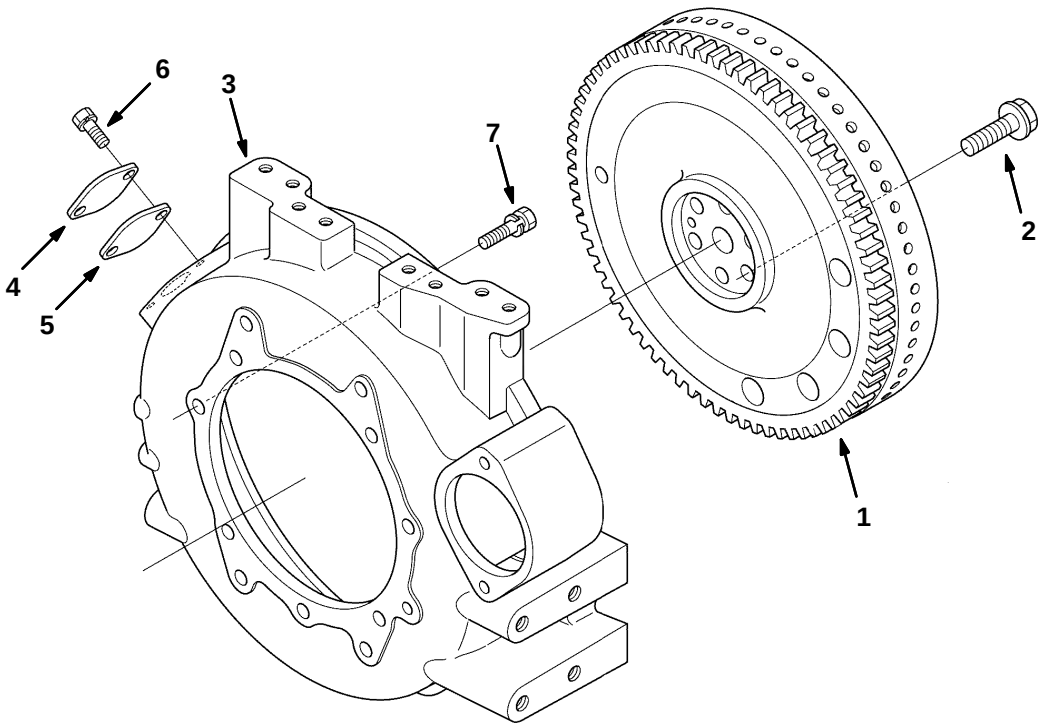
Fig. 9 – Camshaft and Idle Gear Group



Ref.	Part No.	Description	Qty.
1	9019062	Camshaft Tappet [Ku D1803–Cr–Te5b]	1
2	9019063	Camshaft Pushrod [Kubota Eng]	1
3	9019064	Camshaft Assy [Ku D1803–Cr–Te5b]	1
4	9019065	Bolt [Kubota Engine]	5
5	9019066	Idle Gear Assy [Ku D1803–Cr–Te5b]	1
6	9019067	Idle Gear Collar [Ku D1803–Cr–Te5b]	1
7	9019068	Idle Gear Bolt[Ku D1803–Cr–Te5b]	1
8	9019069	Idle Gear Shaft[Ku D1803–Cr–Te5b]	1

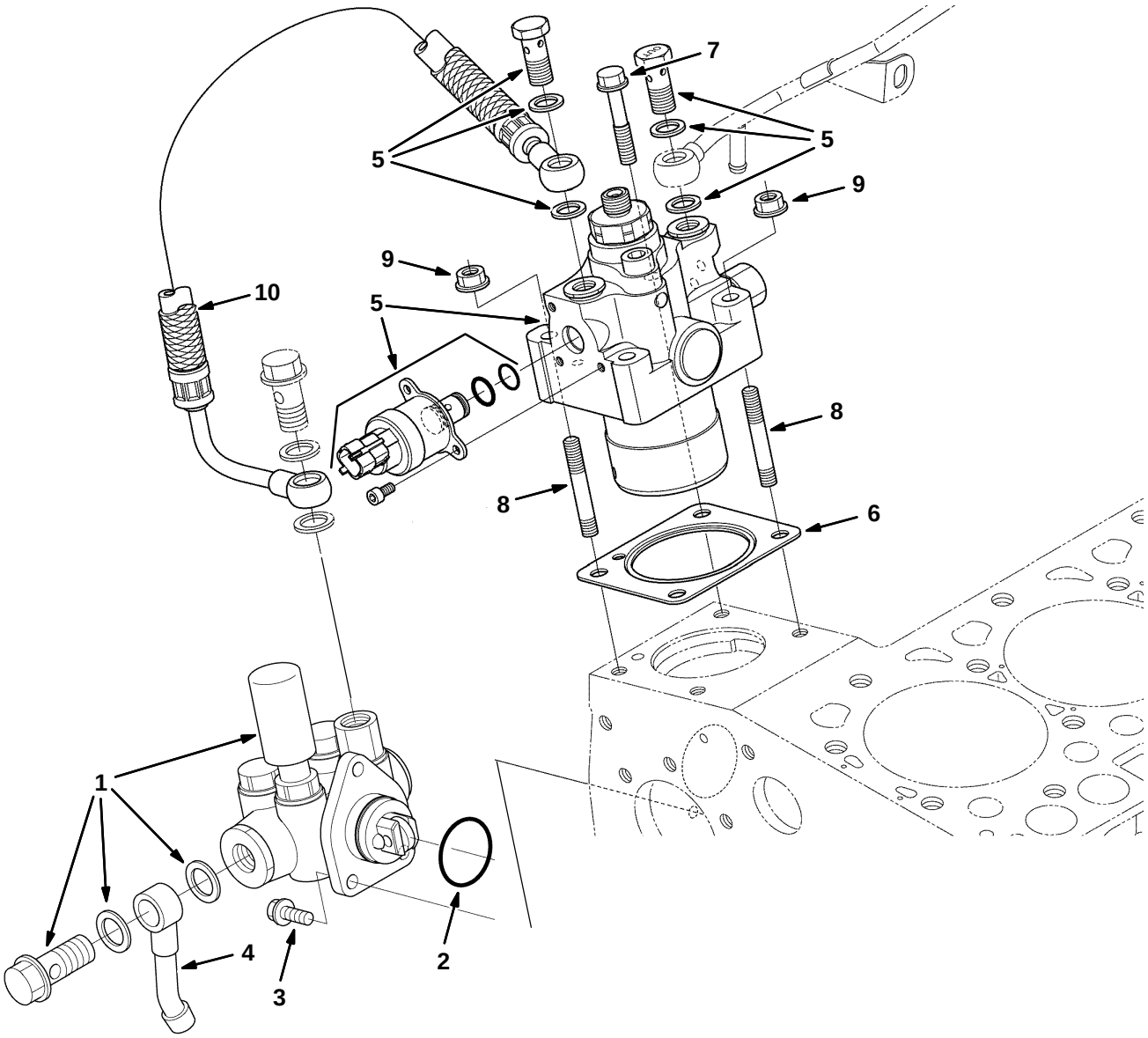
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Fig. 10 – Flywheel Group



Ref.	Part No.	Description	Qty.
1	9019075	Flywheel Assy [Ku D1803–Cr–Te5b]	1
2	9019076	Flywheel Bolt [Ku D1803–Cr–Te5b]	6
3	9019077	Flywheel Housing [Ku D1803–Cr–Te5b]	1
4	9019078	Flywheel Cover [Ku D1803–Cr–Te5b]	1
5	9019079	Flywheel Bolt [Ku D1803–Cr–Te5b]	1
6	9019080	Flywheel Bolt [Ku D1803–Cr–Te5b]	2
7	9019081	Flywheel Bolt [Ku D1803–Cr–Te5b]	11

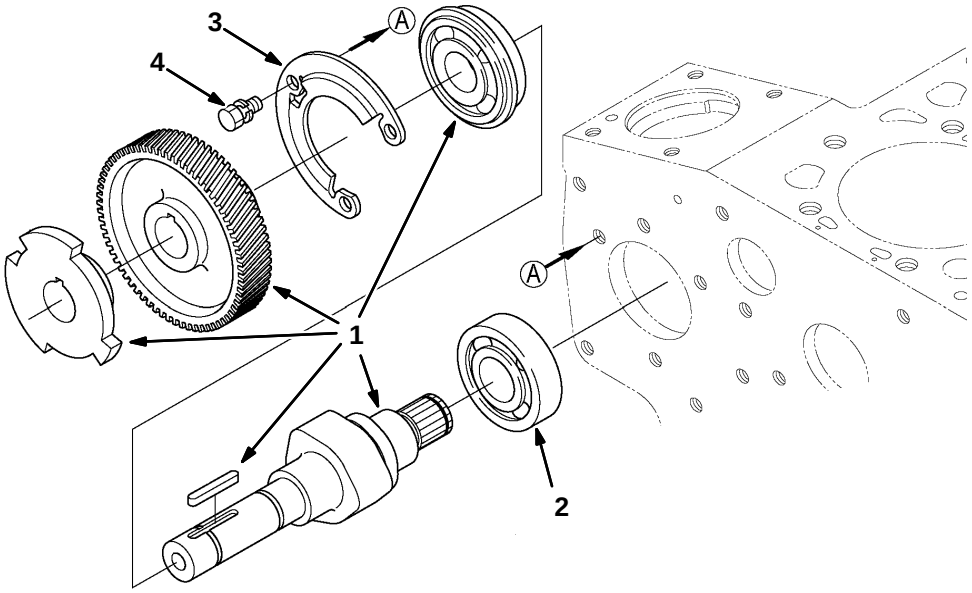
Fig. 11 – Fuel Supply Pump Group



Ref.	Part No.	Description	Qty.
1	9019071	Fuel Pump Assy [Ku D1803–Cr–Te5b]	1
2	9019072	Fuel Pump O–Ring [Ku D1803–Cr–Te5b]	1
3	9019073	Bolt [Kubota Engine]	3
4	9019074	Tube [Kubota Engine]	1
5	9019086	Supply Pump [Ku D1803–Cr–Te5b]	1
6	9019087	Supply Pump Gaskt [Ku D1803–Cr–Te5b]	1
7	9019088	Supply Pump Bolt [Ku D1803–Cr–Te5b]	2
8	9019089	Supply Pump Stud [Ku D1803–Cr–Te5b]	2
9	9019090	Nut [Kubota Engine]	2
10	9019091	Supply Pump Hose [Ku D1803–Cr–Te5b]	1

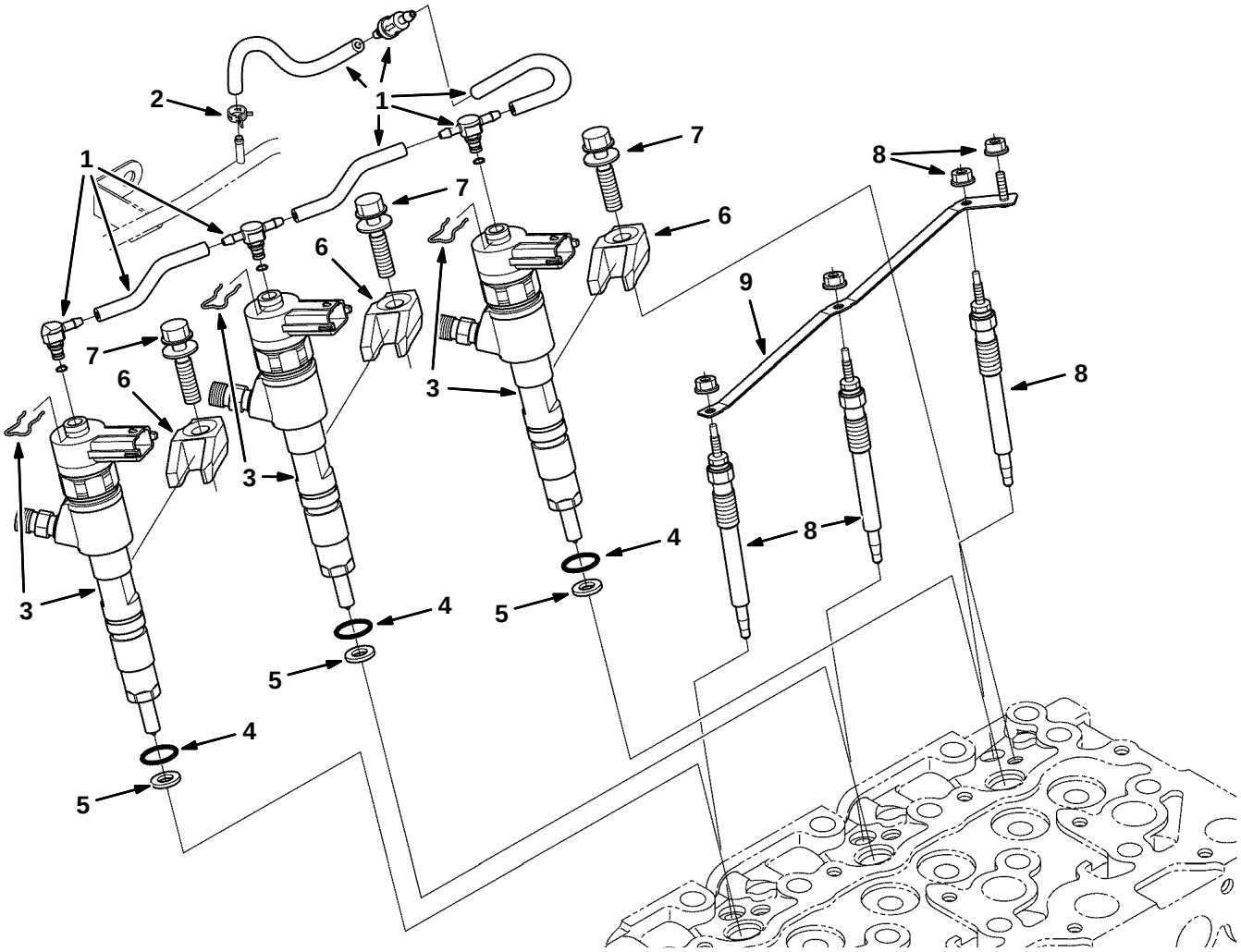
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Fig. 12 – Fuel Camshaft Group



Ref.	Part No.	Description	Qty.
1	9019082	Fuel Camshaft Asy [Ku D1803–Cr–Te5b]	1
2	9019083	Fuel Camshaft Bearing [Ku D1803–Cr]	1
3	9019084	Fuel Camshaft Stopper [Ku D1803–Cr]	1
4	9019085	Fuel Camshaft Bolt [Ku D1803–Cr]	3

Fig. 13 – Fuel Injector and Glow Plug Group



Ref.	Part No.	Description	Qty.
1	9019096	Injector Tube Assy [Ku D1803–Cr–Te5]	1
2	9019097	Tube Clamp [Kubota Engine]	1
3	9019098	Injector Assy [Ku D1803–Cr–Te5b]	3
4	9019099	Injector O–Ring [Ku D1803–Cr–Te5b]	3
5	9019100	Injector Packing [Ku D1803–Cr–Te5b]	3
6	9019101	Injector Clamp [Ku D1803–Cr–Te5b]	3
7	9019102	Injector Asy Bolt [Ku D1803–Cr–Te5b]	3
8	9019103	Glow Plug [Ku D1803–Cr–Te5b]	3
9	9019104	Glow Plug Bar [Ku D1803–Cr–Te5b]	1

Fig. 14 – Injection Pipe and Fuel Rail Group

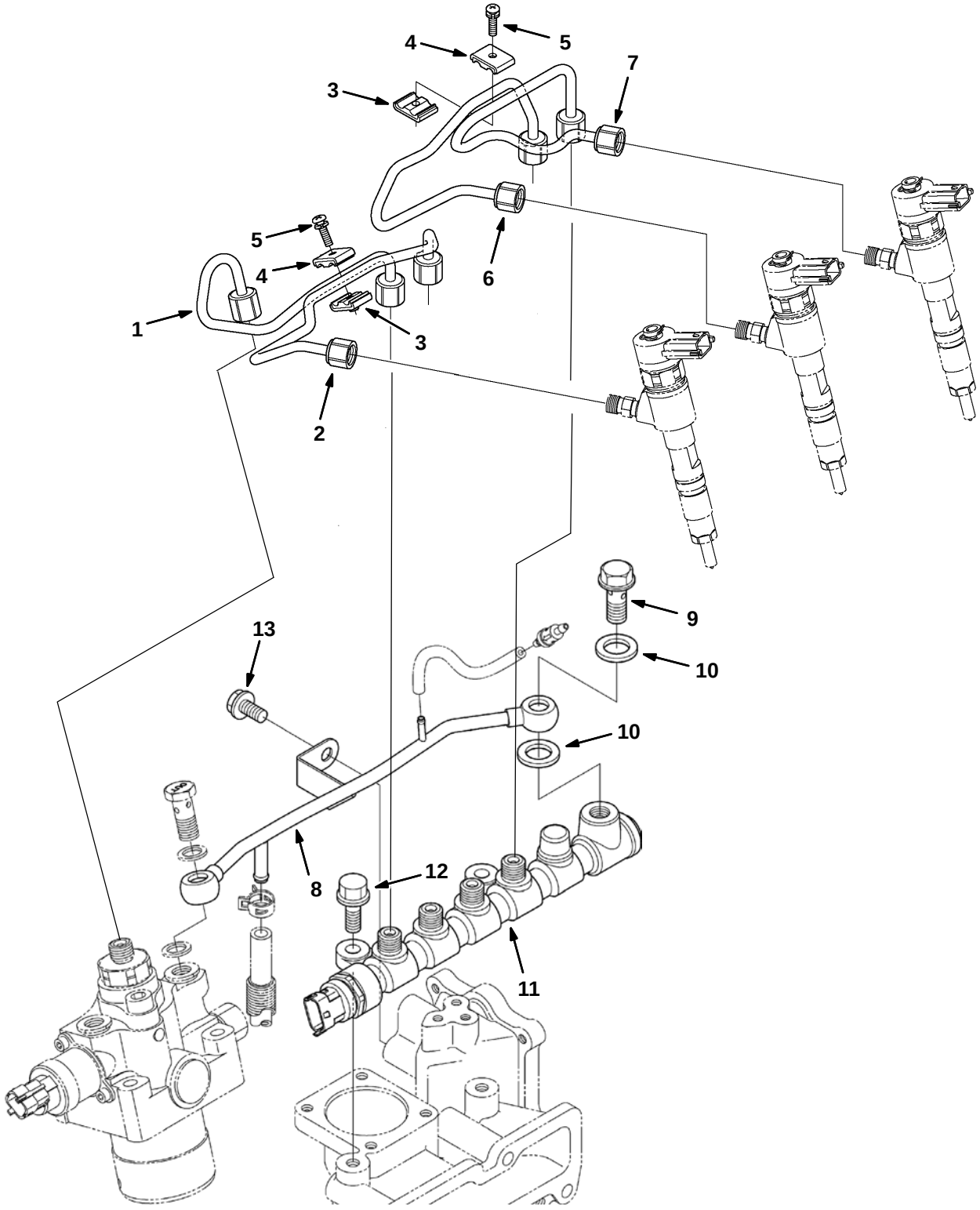
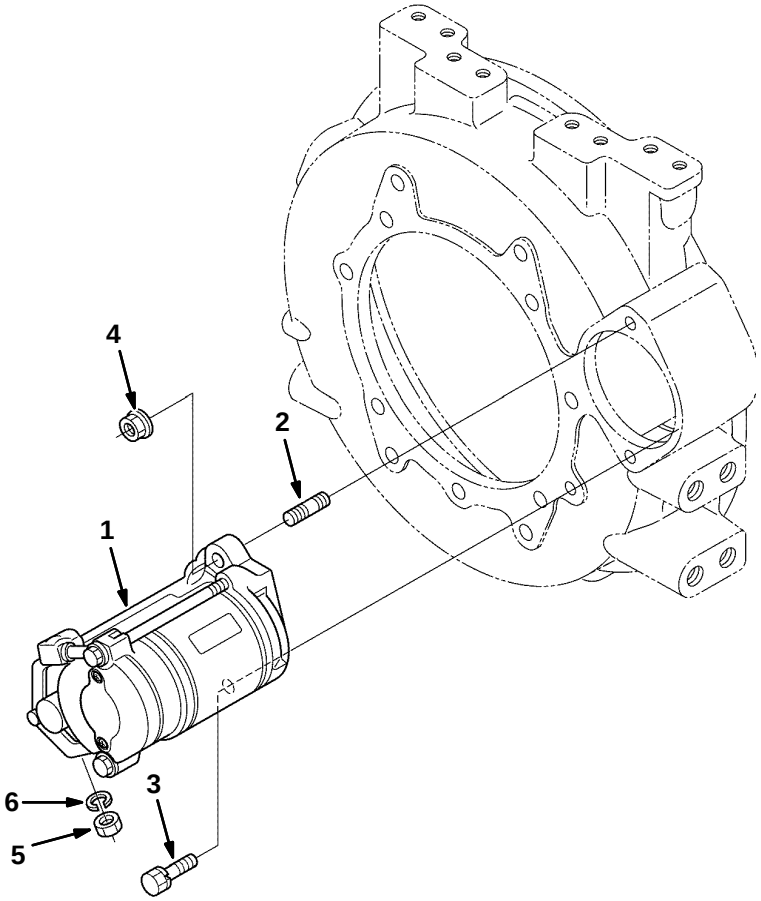


Fig. 14 – Injection Pipe and Fuel Rail Group

Ref.	Part No.	Description	Qty.
1	9019105	Injection Pipe [Ku D1803–Cr–Te5b]	1
2	9019106	Injection Pipe [Ku D1803–Cr–Te5b]	1
3	9019107	Inj Tube Clamp [Ku D1803–Cr–Te5b]	2
4	9019108	Tube Clamp [Kubota Engine]	2
5	9019109	Bolt [Kubota Engine]	2
6	9019110	Injection Pipe [Ku D1803–Cr–Te5b]	1
7	9019111	Injection Pipe [Ku D1803–Cr–Te5b]	1
8	9019117	Common Rail Tube [Ku D1803–Cr–Te5b]	1
9	9019118	Common Rail Bolt [Ku D1803–Cr–Te5b]	1
10	9019119	Gasket [Kubota Engine]	2
11	9019120	Common Rail Assy [Ku D1803–Cr–Te5b]	1
12	9019121	Bolt [Kubota Engine]	2
13	9019065	Bolt [Kubota Engine]	1

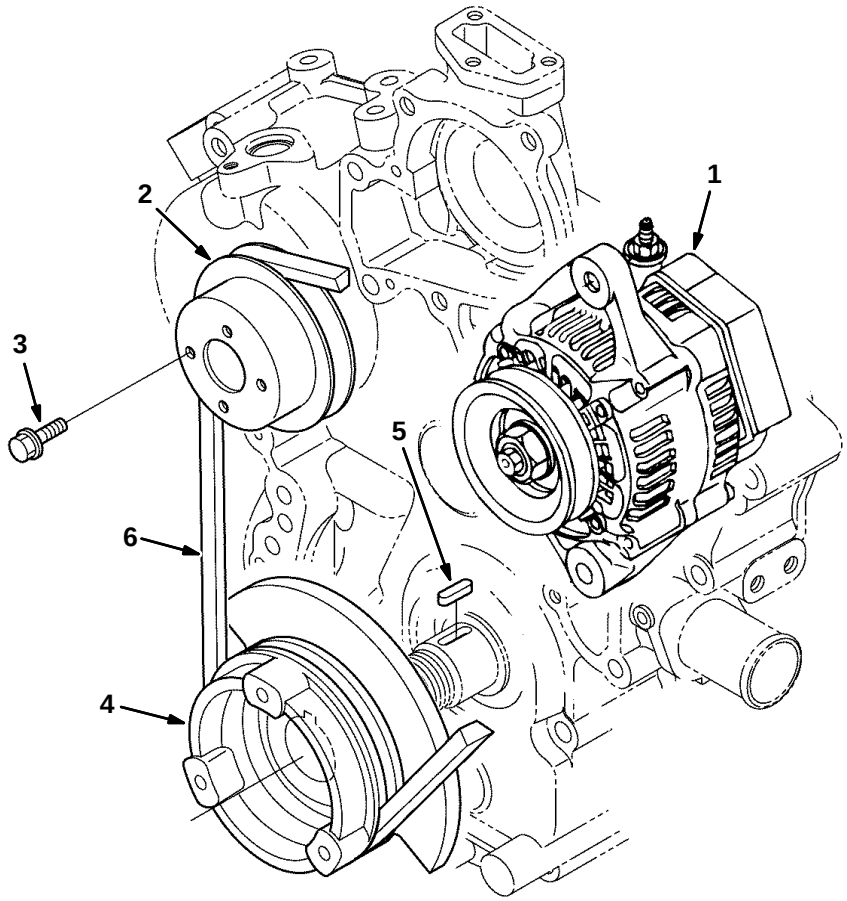
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Fig. 15 – Starter Group



Ref.	Part No.	Description	Qty.
1	9019129	Starter, 12v, 2.0kw [Ku D1803–Cr–Te5	1
2	9019130	Starter Bolt [Ku D1803–Cr–Te5	1
3	9019131	Starter Bolt [Ku D1803–Cr–Te5	1
4	9019132	Starter Nut [Ku D1803–Cr–Te5	1
5	9019133	Starter Nut [Ku D1803–Cr–Te5	1
6	9019011	Washer [Kubota Engine]	1

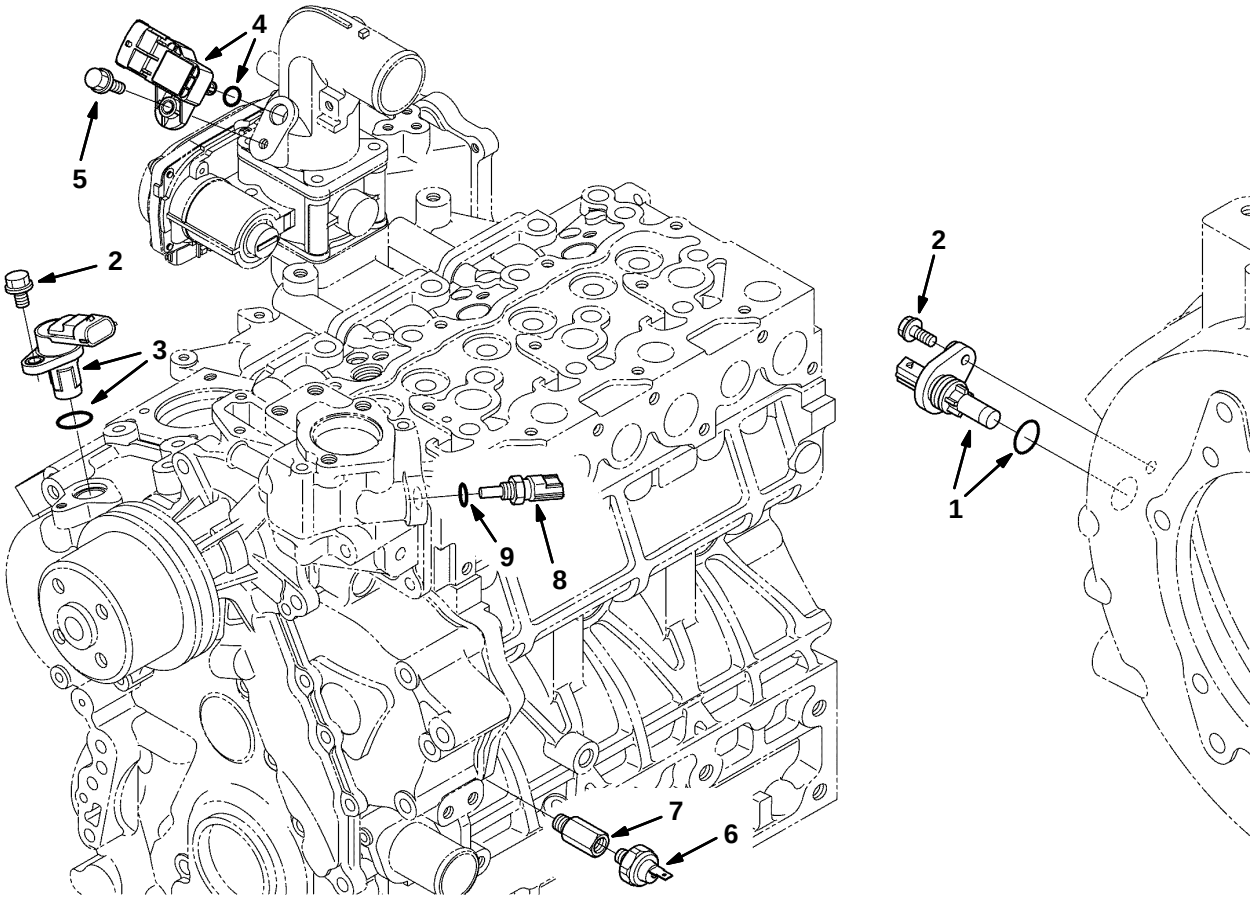
Fig. 16 – Alternator and Pulley Group



Ref.	Part No.	Description	Qty.
1	9019123	Alternator 12v 90a [Kubota Eng]	1
2	9019124	Fan Pulley [Ku D1803–Cr–Te5b]	1
3	9019125	Bolt [Kubota Engine]	4
4	9019126	Fan Drive Pulley [Ku D1803–Cr–Te5b]	1
5	9019127	Key [Kubota Engine]	1
6	9019128	V–Belt, Fan Pulley [Ku D1803–Cr–Te5b	1

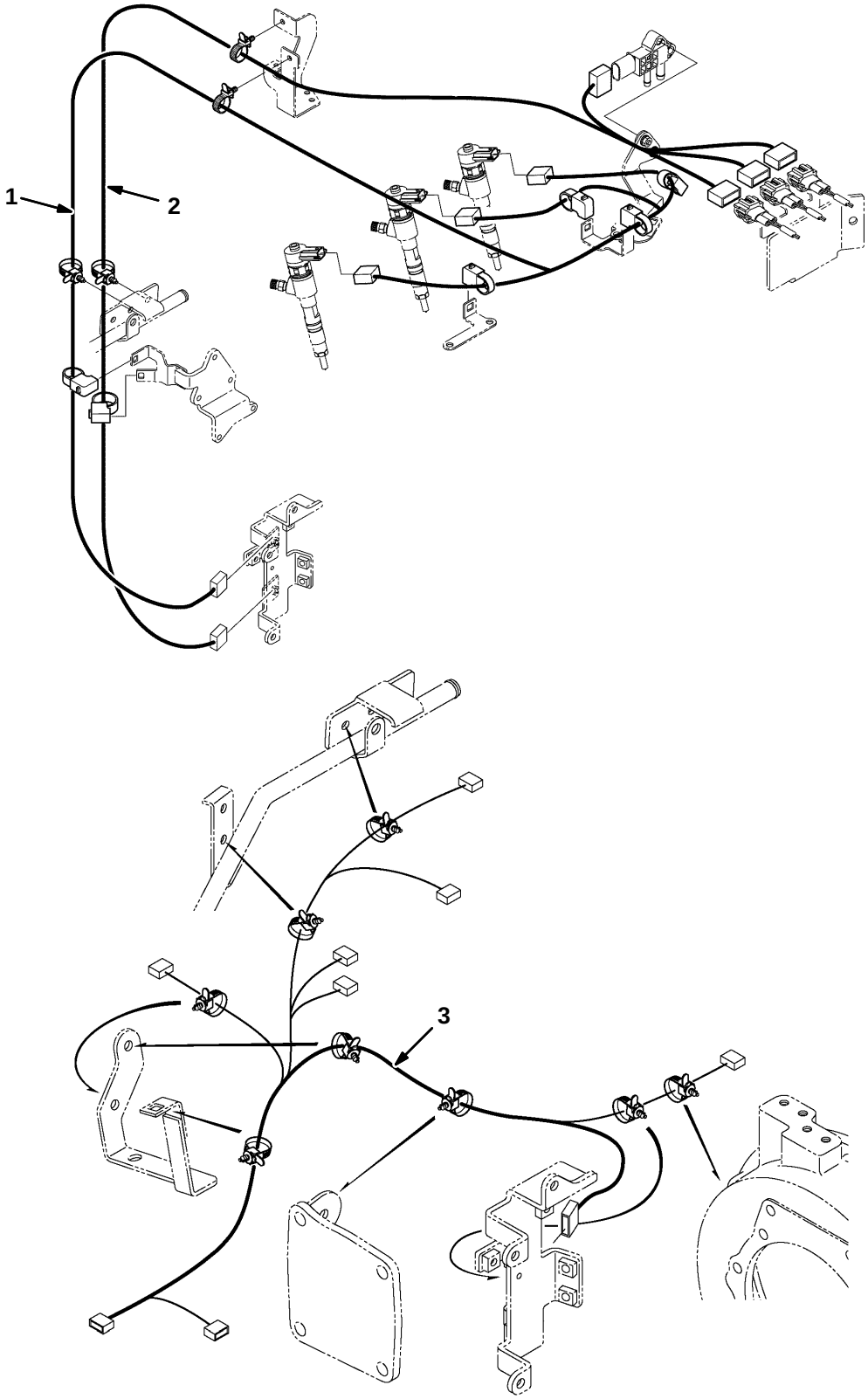
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Fig. 17 – Oil Switch and Sensor Group



Ref.	Part No.	Description	Qty.
1	9019146	Oil Sensor [Ku D1803–Cr–Te5b]	1
2	9019125	Bolt [Kubota Engine]	2
3	9019148	Oil Sensor [Ku D1803–Cr–Te5b]	1
4	9019150	Boost Sensor [Ku D1803–Cr–Te5b]	1
5	9019151	Bolt [Kubota Engine]	1
6	9019152	Oil Switch [Ku D1803–Cr–Te5b]	1
7	9019153	Oil Switch Adaptr [Ku D1803–Cr–Te5b]	1
8	9019154	Coolant Sensor [Ku D1803–Cr–Te5b]	1
9	9019155	Sensor O–Ring [Ku D1803–Cr–Te5b]	1

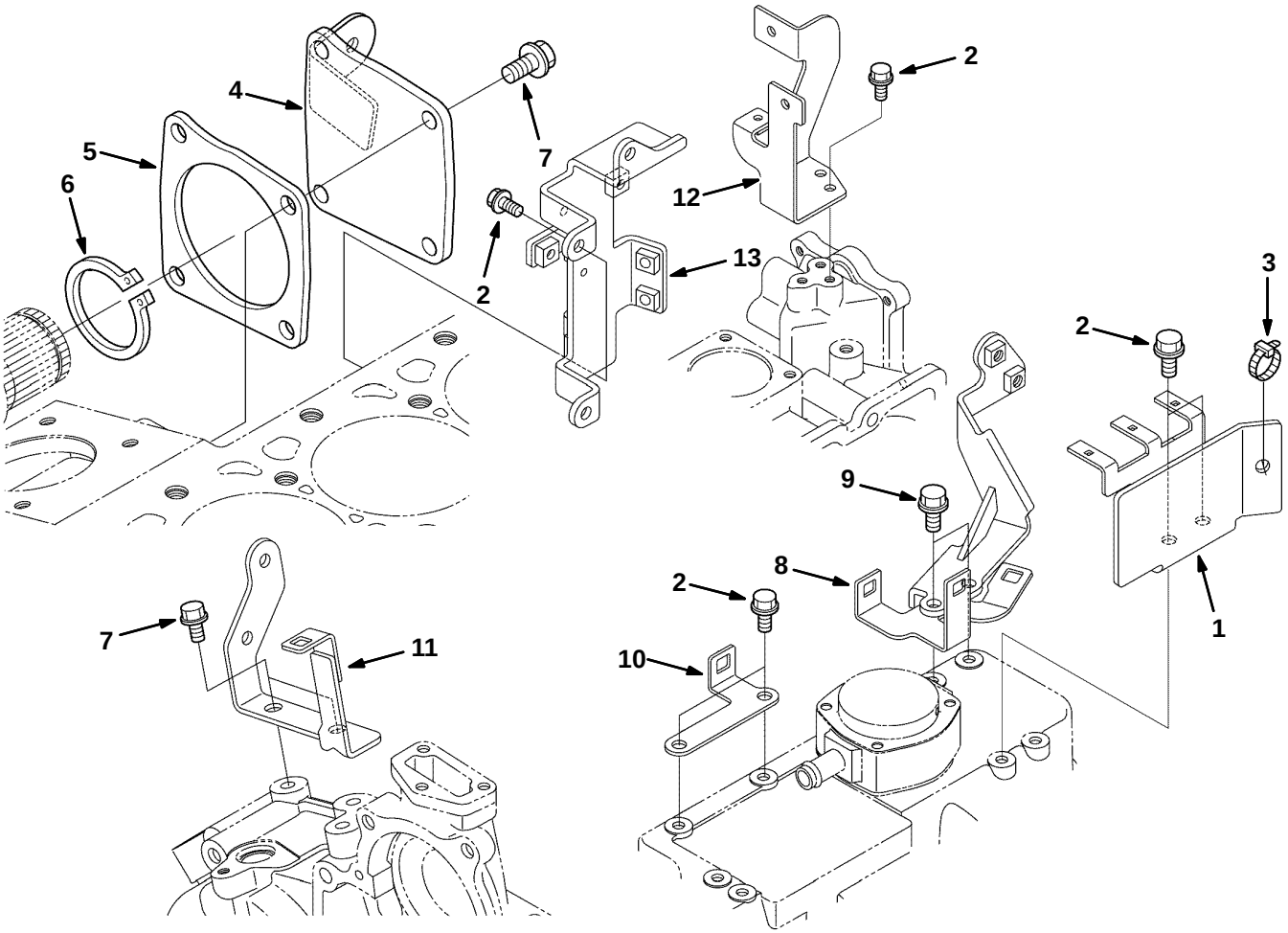
Fig. 18 – Electrical Wire Harnesses Group



Ref.	Part No.	Description	Qty.
1	9019156	Injector Harness [Ku D1803–Cr–Te5b]	1
2	9019156	Injector Harness [Ku D1803–Cr–Te5b]	1
3	9019157	Injector Harness [Ku D1803–Cr–Te5b]	1

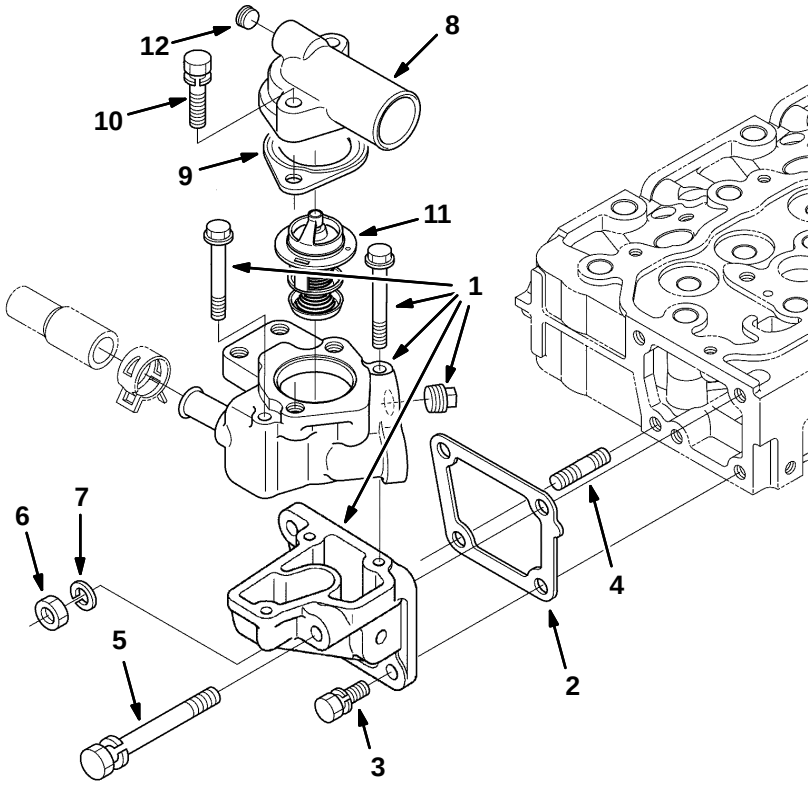
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Fig. 19 – Electrical Wire Harness Bracket Group



Ref.	Part No.	Description	Qty.
1	9019159	Harness Brckt [Ku D1803–Cr–Te5b]	1
2	9019160	Bolt [Kubota Engine]	9
3	9019161	Hrness Brckt Clamp[Ku D1803–Cr–Te5b]	1
4	9019162	Fuel Camshft Cover[Ku D1803–Cr–Te5b]	1
5	9019163	Cover Gasket [Ku D1803–Cr–Te5b]	1
6	9019164	Cover Clip [Ku D1803–Cr–Te5b]	1
7	9019165	Cover Bolt [Ku D1803–Cr–Te5b]	6
8	9019166	Harness Brckt [Ku D1803–Cr–Te5b]	1
9	9019167	Harness Brckt Bolt[Ku D1803–Cr–Te5b]	1
10	9019168	Harness Brckt [Ku D1803–Cr–Te5b]	1
11	9019170	Harness Brckt [Ku D1803–Cr–Te5b]	1
12	9019172	Harness Brckt [Ku D1803–Cr–Te5b]	1
13	9019174	Bracket Connector [Ku D1803–Cr–Te5b]	1

Fig. 20 – Water Flange and Thermostat Group



Ref.	Part No.	Description	Qty.
1	9019176	Thermostat Flange [Ku D1803–Cr–Te5b]	1
2	9019177	Tstat Flange Gskt [Ku D1803–Cr–Te5b]	1
3	9019178	Tstat Flange Bolt [Ku D1803–Cr–Te5b]	2
4	9019179	Stud [Kubota Engine]	1
5	9019180	Tstat Flange Bolt [Ku D1803–Cr–Te5b]	1
6	9019181	Nut [Kubota Engine]	1
7	9019011	Washer [Kubota Engine]	1
8	9019183	Tstat Cover [Ku D1803–Cr–Te5b]	1
9	9019184	Tstat Gasket [Ku D1803–Cr–Te5b]	1
10	9019185	Kubota Engine Bolt	2
11	9019186	Thermostat [Ku D1803–Cr–Te5b]	1
12	9019187	Tstat Plug [Ku D1803–Cr–Te5b]	1

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Fig. 21 – Water Pump and Hose Group

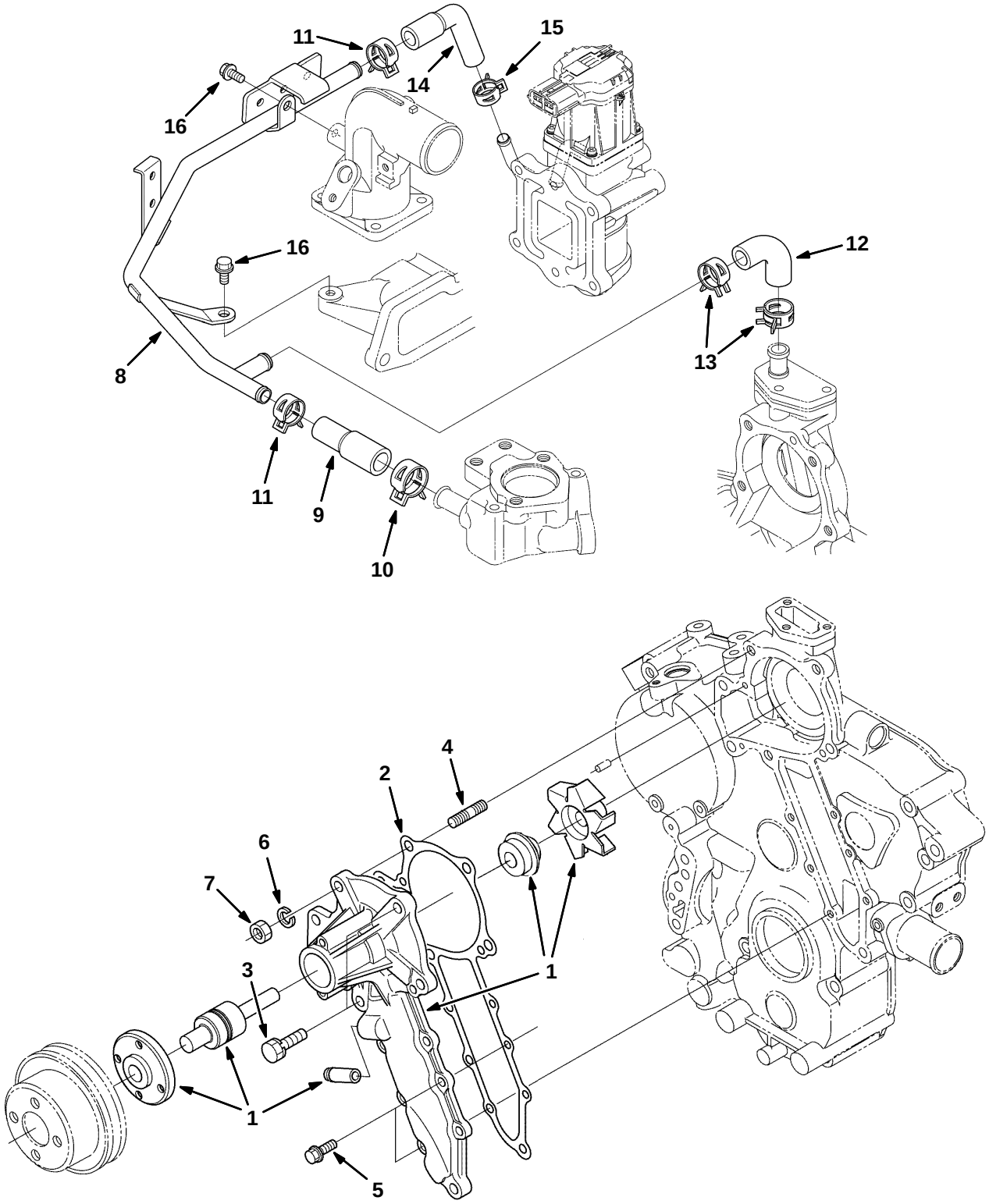
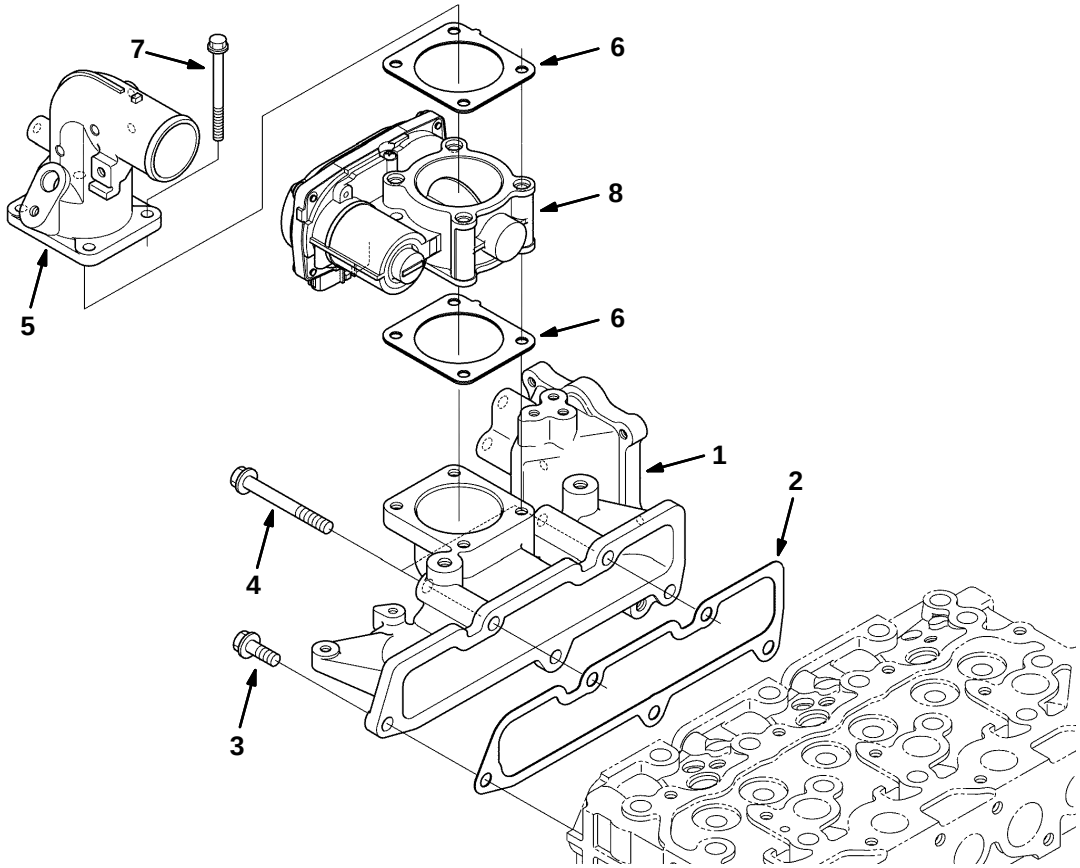


Fig. 21 – Water Pump and Hose Group

Ref.	Part No.	Description	Qty.
1	9019213	Coolant Pump [Ku D1803–Cr–Te5b]	1
2	9019214	Water Pump Gsket [Ku D1803–Cr–Te5b]	1
3	9019040	Bolt [Kubota Engine]	2
4	9019216	Water Pump Stud [Ku D1803–Cr–Te5b]	1
5	9019125	Bolt [Kubota Engine]	6
6	9019011	Washer [Kubota Engine]	1
7	9019181	Nut [Kubota Engine]	1
8	9019188	Coolant Tube [Ku D1803–Cr–Te5b]	1
9	9019189	Coolant Hose [Ku D1803–Cr–Te5b]	1
10	9019190	Hose Clamp [Kubota Engine]	2
11	9019191	Hose Clamp [Kubota Engine]	1
12	9019192	Coolant Elbow [Ku D1803–Cr–Te5b]	1
13	9019193	Hose Clamp [Kubota Engine]	2
14	9019194	Hose Elbow [Ku D1803–Cr–Te5b]	1
15	9019196	Hose Clamp [Ku D1803–Cr–Te5b]	1
16	9019125	Bolt [Kubota Engine]	2

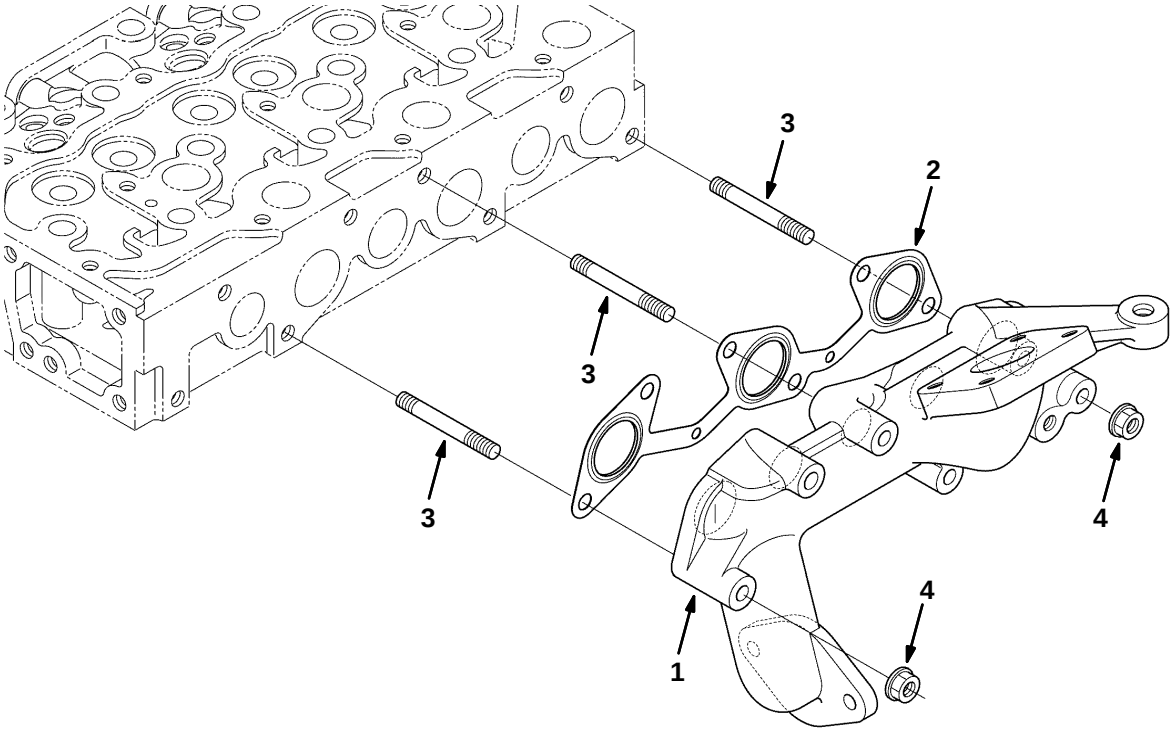
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Fig. 22 – Inlet Manifold Group



Ref.	Part No.	Description	Qty.
1	9019198	Inlet Manifold [Ku D1803–Cr–Te5b]	1
2	9019199	Manifold Gasket [Ku D1803–Cr–Te5b]	1
3	9019200	Bolt [Kubota Engine]	3
4	9019201	Manifold Bolt [Ku D1803–Cr–Te5b]	2
5	9019202	Inlet Flange [Ku D1803–Cr–Te5b]	1
6	9019203	Inlet Flange Gskt [Ku D1803–Cr–Te5b]	2
7	9019204	Flange Bolt [Kubota Engine]	4
8	9019205	Throttle Valve [Ku D1803–Cr–Te5b]	1

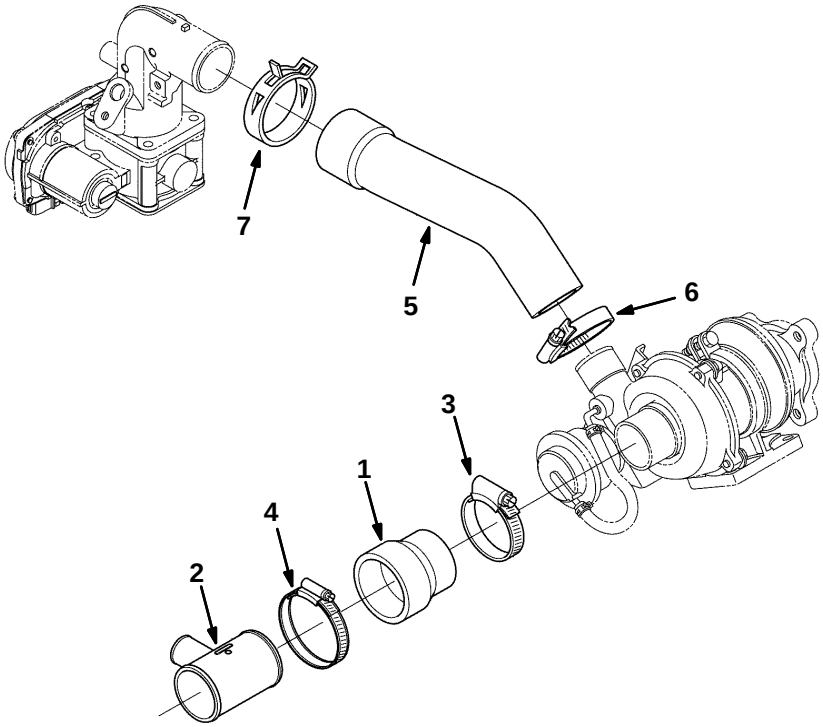
Fig. 23 – Exhaust Manifold Group



Ref.	Part No.	Description	Qty.
1	9019224	Exhaust Manifold [Ku D1803–Cr–Te5b]	1
2	9019225	Exh Manifld Gaskt [Ku D1803–Cr–Te5b]	1
3	9019226	Exh Manifld Stud [Ku D1803–Cr–Te5b]	6
4	9019227	Nut [Kubota Engine]	6

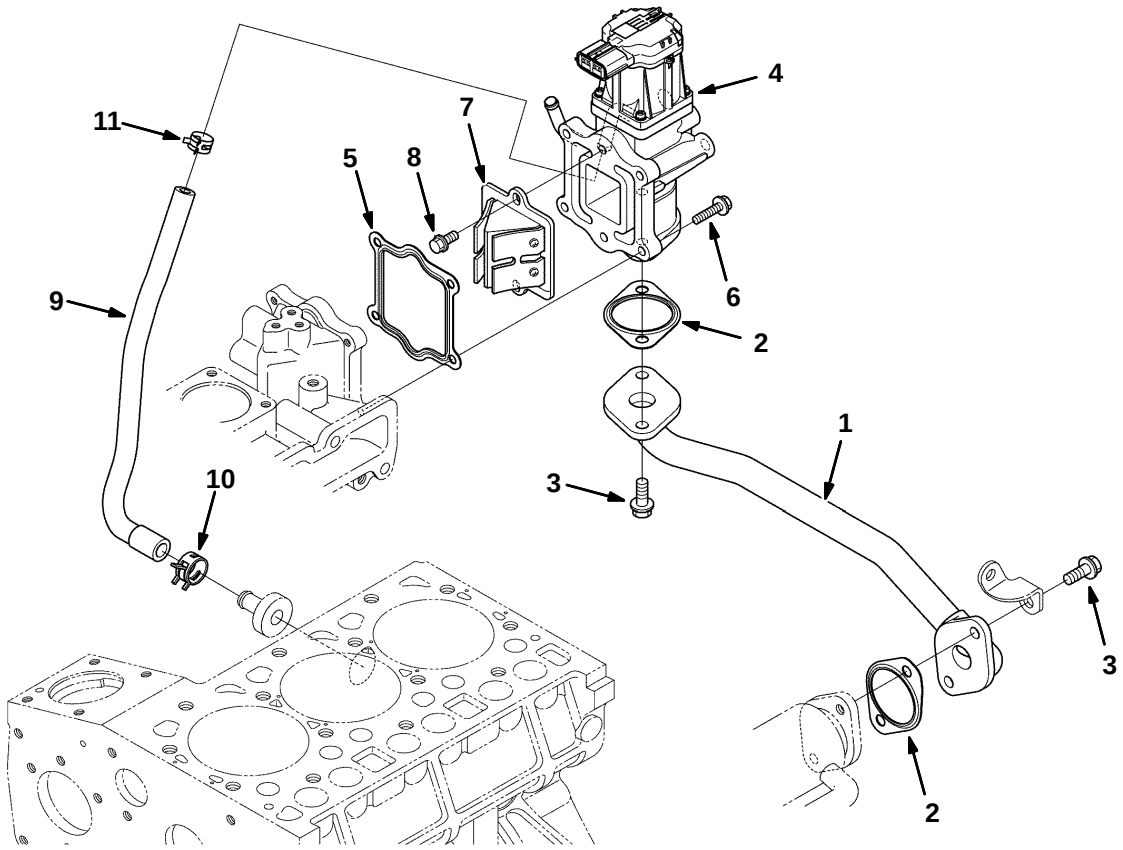
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Fig. 24 – Inlet Pipe Group



Ref.	Part No.	Description	Qty.
1	9019206	Turbo Inlet Hose [Ku D1803–Cr–Te5b]	1
2	9019207	Turbo Breather Tube [Ku D1803–Cr]	1
3	9019208	Breather Tube Clamp [Ku D1803–Cr–Te]	1
4	9019209	Breather Tube Clamp [Ku D1803–Cr–Te]	1
5	9019210	Turbo Inlet Hose [Ku D1803–Cr–Te5b]	1
6	9019211	Hose Clamp [Ku D1803–Cr–Te5b]	1
7	9019212	Hose Band Clamp [Ku D1803–Cr–Te5b]	1

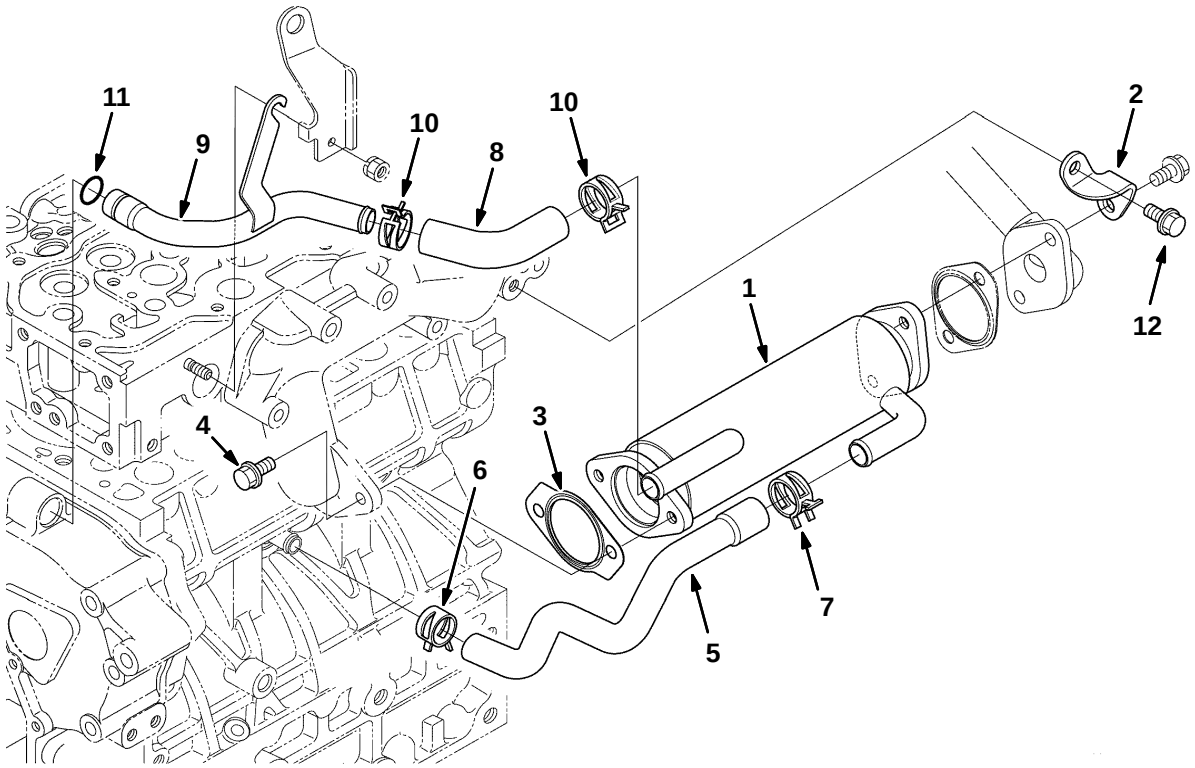
Fig. 25 – EGR Valve Group



Ref.	Part No.	Description	Qty.
1	9019228	Egr Pipe [Ku D1803–Cr–Te5b]	1
2	9019229	Egr Cooler Gasket [Ku D1803–Cr–Te5b]	2
3	9019200	Bolt [Kubota Engine]	4
4	9019231	Egr Valve Assy [Ku D1803–Cr–Te5b]	1
5	9019232	Egr Valve Gasket [Ku D1803–Cr–Te5b]	1
6	9019233	Kubota Engine Bolt	4
7	9019234	Egr Valve Lead [Ku D1803–Cr–Te5b]	1
8	9019125	Bolt [Kubota Engine]	2
9	9019236	Egr Valve Hose [Ku D1803–Cr–Te5b]	1
10	9019193	Hose Clamp [Kubota Engine]	1
11	9019238	Hose Clamp [Kubota Engine]	1

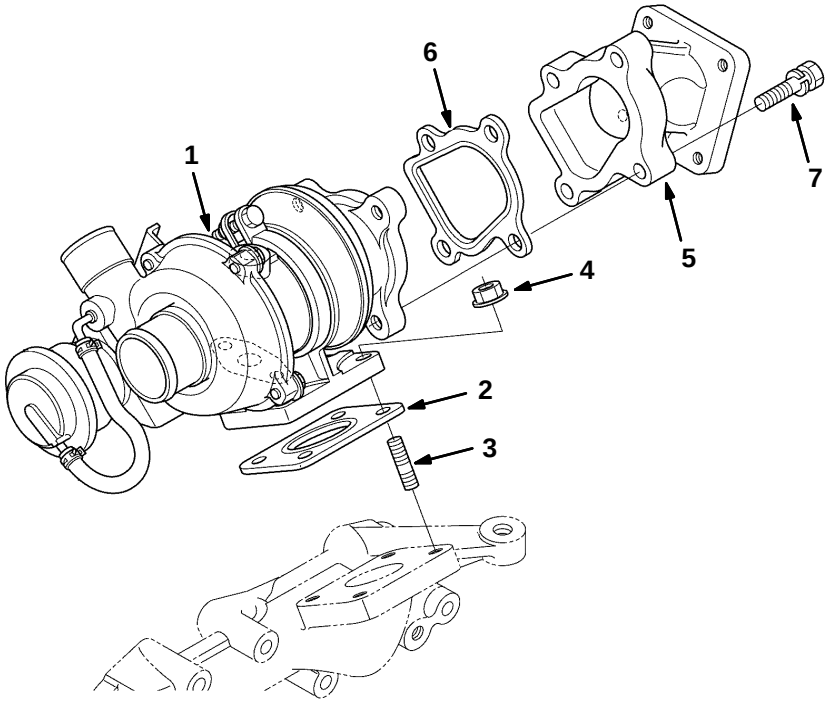
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Fig. 26 – EGR Cooler Group



Ref.	Part No.	Description	Qty.
1	9019239	Egr Cooler Assy [Ku D1803–Cr–Te5b]	1
2	9019240	Egr Cooler Stay [Ku D1803–Cr–Te5b]	1
3	9019242	Egr Cooler Gasket [Ku D1803–Cr–Te5b]	1
4	9019200	Bolt [Kubota Engine]	2
5	9019244	Egr Cooler Hose [Ku D1803–Cr–Te5b]	1
6	9019193	Hose Clamp [Kubota Engine]	1
7	9019246	Hose Clamp [Kubota Engine]	1
8	9019247	Egr–C Hose [Ku D1803–Cr–Te5b]	1
9	9019248	Egr–C Pipe [Ku D1803–Cr–Te5b]	1
10	9019190	Hose Clamp [Kubota Engine]	2
11	9019250	Egr–C O–Ring [Ku D1803–Cr–Te5b]	1
12	9019065	Bolt [Kubota Engine]	1

Fig. 27 – Turbo Charger Group



Ref.	Part No.	Description	Qty.
1	9019251	Turbochrgr Assy [Ku D1803–Cr–Te5b]	1
2	9019252	Turbochrgr Gskt [Ku D1803–Cr–Te5b]	1
3	9019253	Kubota Engine Bolt	4
4	9019227	Nut [Kubota Engine]	4
5	9019255	Muffler Flange [Ku D1803–Cr–Te5b]	1
6	9019256	Muffler Gasket [Ku D1803–Cr–Te5b]	1
7	9019185	Kubota Engine Bolt	4

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Fig. 28 – Diesel Particulate Filter Muffler Group

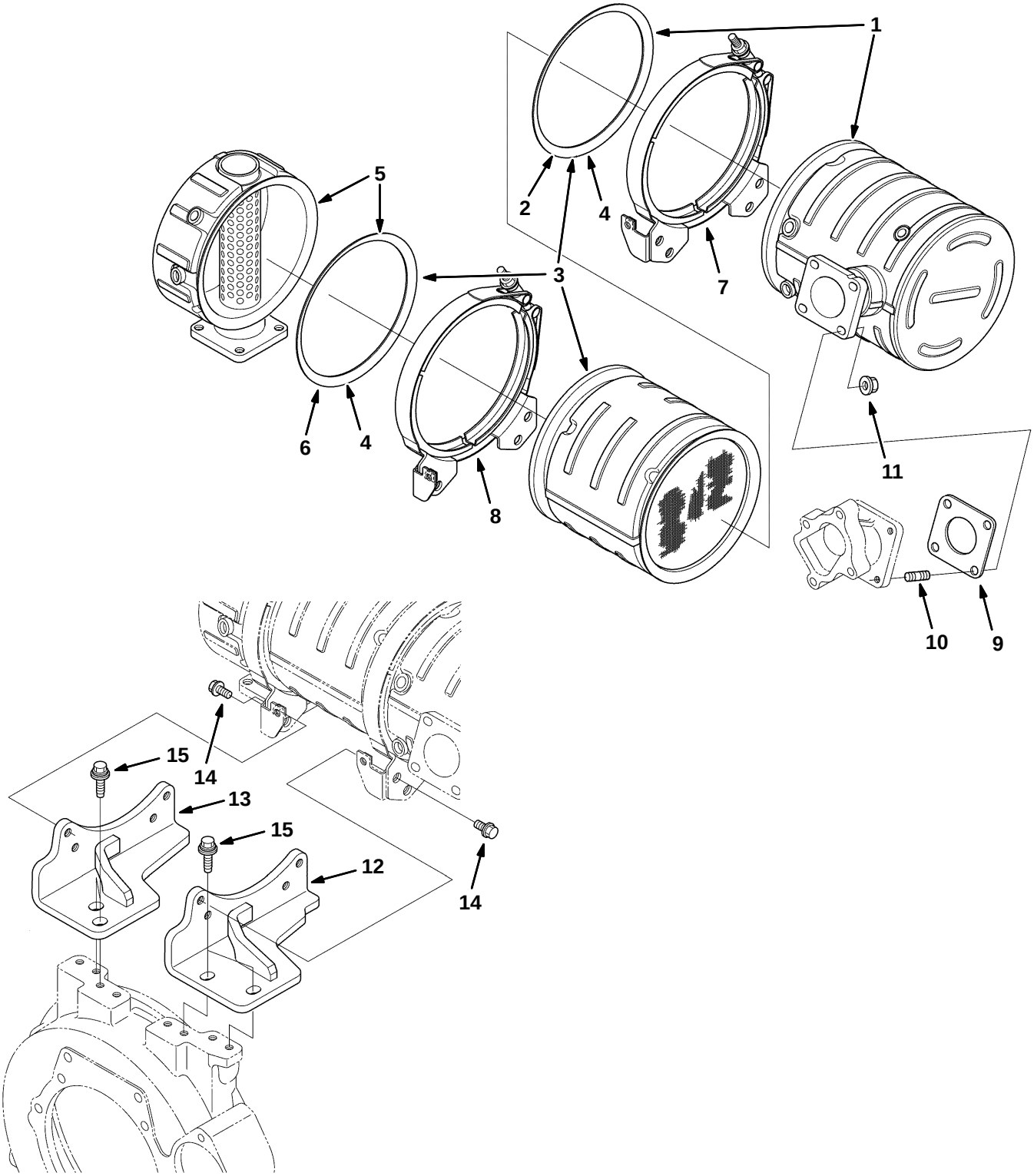
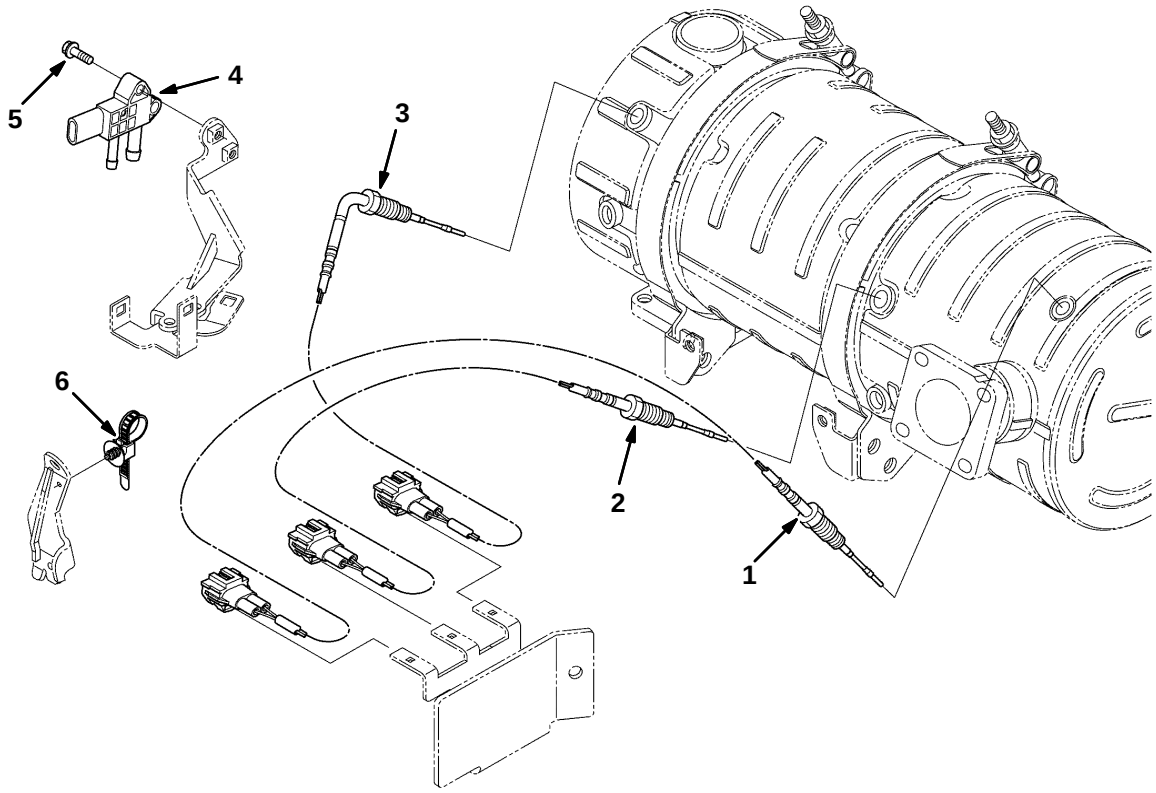


Fig. 28 – Diesel Particulate Filter Muffler Group

	Ref.	Part No.	Description	Qty.
▽	1	9019258	Kit, Catalyst [Ku D1803−Cr−Te5b]	1
▲	2	9019122	Gasket [Kubota Engine]	1
▽	3	9019259	Dpf Filter Kit, Remanufactured	1
▲	4	9019122	Gasket [Kubota Engine]	2
▽	3	9019116	Dpf Fitler Kit [Ku D1803−Cr−Te5b]	1
▲	4	9019122	Gasket [Kubota Engine]	2
▽	5	9019260	Dpf Body [Ku D1803−Cr−Te5b]	1
▲	6	9019122	Gasket [Kubota Engine]	1
	7	9019261	Dpf Brckt Clamp [Ku D1803−Cr−Te5b]	1
	8	9019262	Dpf Brckt Clamp [Ku D1803−Cr−Te5b]	1
	9	9019263	Kubota Muffler Gasket	1
	10	9019253	Kubota Engine Bolt	4
	11	9019227	Nut [Kubota Engine]	4
	12	9019266	Dpf Bracket [Ku D1803−Cr−Te5b]	1
	13	9019267	Dpf Bracket [Ku D1803−Cr−Te5b]	1
	14	9019268	Dpf Bracket Bolt [Ku D1803−Cr−Te5b]	6
	15	9019269	Dpf Bracket Bolt [Ku D1803−Cr−Te5b]	4

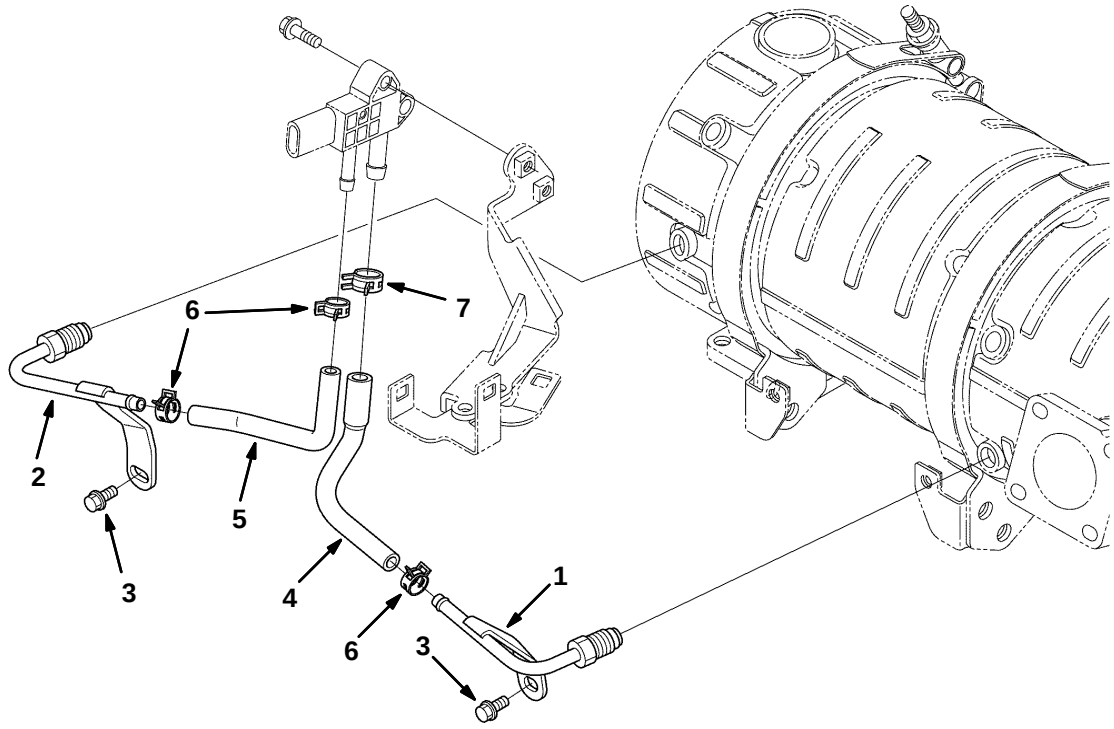
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Fig. 29 – DPF Muffler Sensor Group



Ref.	Part No.	Description	Qty.
1	9019270	Muffler Sensor 0 [Ku D1803–Cr–Te5b]	1
2	9019271	Muffler Sensor 1 [Ku D1803–Cr–Te5b]	1
3	9019272	Muffler Sensor 2 [Ku D1803–Cr–Te5b]	1
4	9019273	Muffler Sensor [Ku D1803–Cr–Te5b]	1
5	9019233	Kubota Engine Bolt	2
6	9019275	Sensor Clamp [Ku D1803–Cr–Te5b]	1

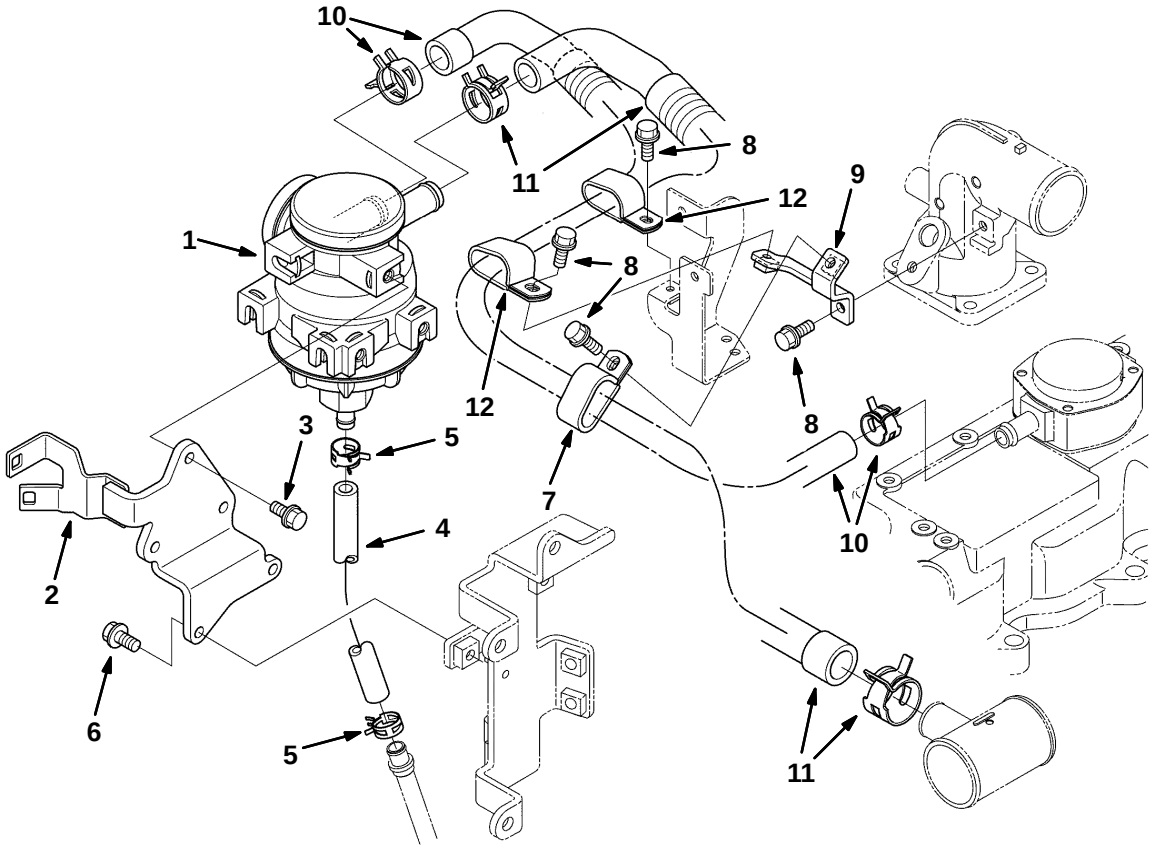
Fig. 30 – DPF Muffler Pressure Pipe Group



Ref.	Part No.	Description	Qty.
1	9019276	Diff Press Tube 1 [Ku D1803–Cr–Te5b]	1
2	9019277	Diff Press Tube 2 [Ku D1803–Cr–Te5b]	1
3	9019125	Bolt [Kubota Engine]	2
4	9019279	Diff Press Hose 1 [Ku D1803–Cr–Te5b]	1
5	9019280	Diff Press Hose 2 [Ku D1803–Cr–Te5b]	1
6	9019281	Hose Clamp [Kubota Engine]	3
7	9019282	Hose Clamp [Ku D1803–Cr–Te5b]	1

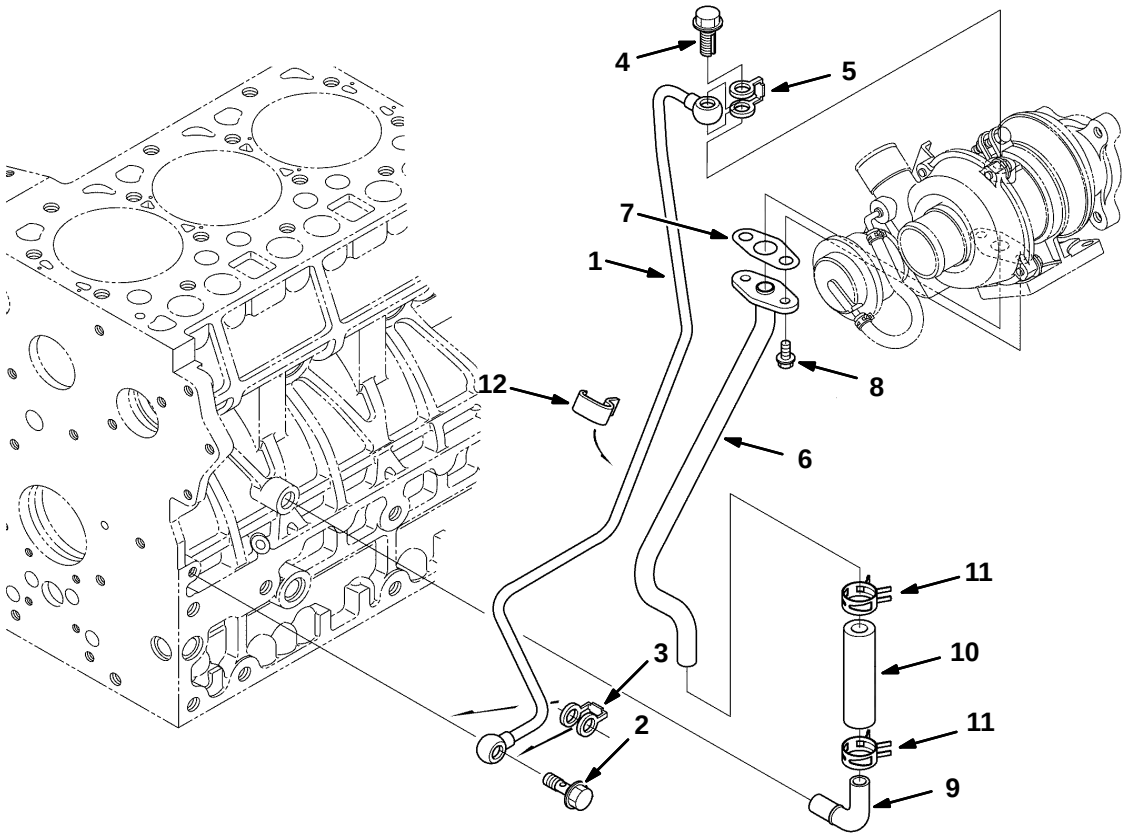
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Fig. 31 – Oil Separator Group



	Ref.	Part No.	Description	Qty.
▽	1	9019283	Oil Separator [Ku D1803–Cr–Te5b]	1
▲		9019335	Oil Separator Filter [Ku D1803–Cr]	1
▲		9019336	Oil Separator O–Ring [Ku D1803–Cr]	1
	2	9019284	Separator Bracket [Ku D1803–Cr–Te5b]	1
	3	9019073	Bolt [Kubota Engine]	1
	4	9019286	Oil Return Hose [Ku D1803–Cr–Te5b]	1
	5	9019238	Hose Clamp [Kubota Engine]	1
	6	9019073	Bolt [Kubota Engine]	1
	7	9019289	Hose Clamp [Ku D1803–Cr–Te5b]	1
	8	9019125	Bolt [Kubota Engine]	4
	9	9019291	Hose Clamp Brckt [Ku D1803–Cr–Te5b]	1
	10	9019293	Breather Hose [Ku D1803–Cr–Te5b]	1
	11	9019294	Breather Hose [Ku D1803–Cr–Te5b]	1
	12	9019295	Hose Clamp [Ku D1803–Cr–Te5b]	2

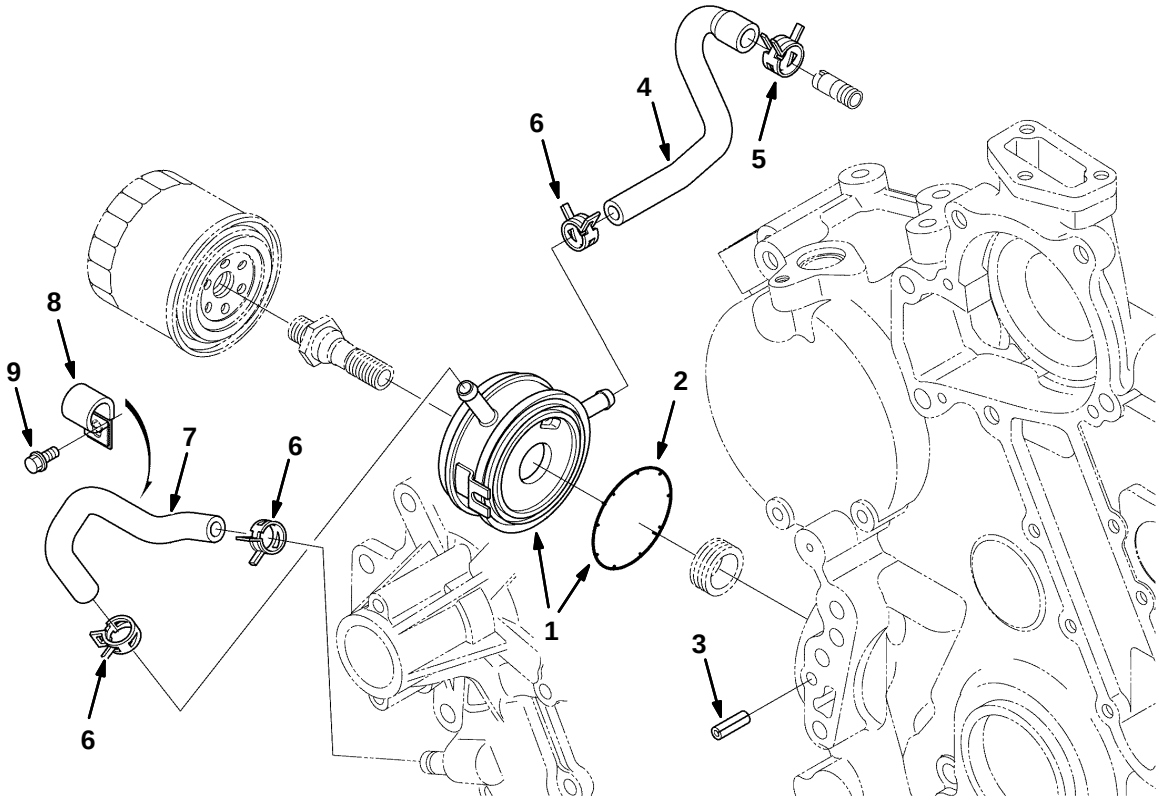
Fig. 32 – Turbo Charger Oil Pipe Group



Ref.	Part No.	Description	Qty.
1	9019297	Turbo Oil Tube [Ku D1803–Cr–Te5b]	1
2	9019298	Oil Hose Bolt [Ku D1803–Cr–Te5b]	1
3	9019299	Oil Hose Gasket [Ku D1803–Cr–Te5b]	1
4	9019300	Oil Hose Bolt [Ku D1803–Cr–Te5b]	1
5	9019301	Oil Hose Gasket [Ku D1803–Cr–Te5b]	1
6	9019302	TURBO OIL TUBE [KU D1803–CR–TE5B]	1
7	9019303	Oil Tube Gasket [Ku D1803–Cr–Te5b]	1
8	9019125	Bolt [Kubota Engine]	2
9	9019305	Turbo Oil Tube [Ku D1803–Cr–Te5b]	1
10	9019306	Turbo Oil Hose [Ku D1803–Cr–Te5b]	1
11	9019246	Hose Clamp [Kubota Engine]	2
12	9019308	Tube Clamp [Ku D1803–Cr–Te5b]	1

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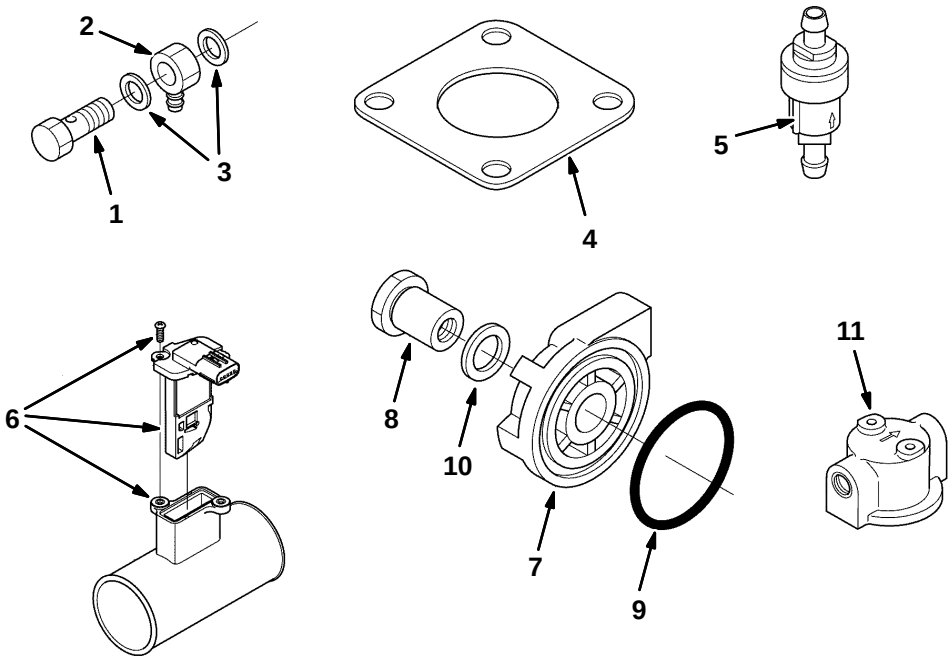
Fig. 33 – Oil Cooler Group



	Ref.	Part No.	Description	Qty.
▽	1	9019309	Oil Cooler [Ku D1803–Cr–Te5b]	1
▲	2	9019134	Oil Cooler Gasket [Ku D1803–Cr–Te5	1
	3	9019310	Pin [Kubota Engine]	1
	4	9019311	Oil Cooler Hose [Ku D1803–Cr–Te5b]	1
	5	9019193	Hose Clamp [Kubota Engine]	1
	6	9019313	Hose Clamp [Kubota Engine]	3
	7	9019314	Oil Cooler Hose [Ku D1803–Cr–Te5b]	1
	8	9019317	Hose P–Clamp [Ku D1803–Cr–Te5b]	1
	9	9019160	Bolt [Kubota Engine]	1

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Fig. 34 – Accessories and Service Parts Group



Ref.	Part No.	Description	Qty.
1	9019320	Connecting Bolt [Ku D1803–Cr–Te5b]	4
2	9019321	Eye Joint [Ku D1803–Cr–Te5b]	4
3	9019322	Eye Joint Gasket [Ku D1803–Cr–Te5b]	8
4	9019263	Kubota Muffler Gasket	1
5	9019324	Fuel Check Valve [Ku D1803–Cr–Te5b]	1
6	9019325	Air Flow Sensor [Ku D1803–Cr–Te5b]	1
7	9019326	Oil Filter Adapter [Ku D1803–Cr–Te5]	1
8	9019327	Oil Filter Plug [Ku D1803–Cr–Te5b]	1
9	9019328	Oil Filter O–Ring [Ku D1803–Cr–Te5b]	1
10	9019329	Oil Filter Gasket [Ku D1803–Cr–Te5b]	1
11	9019330	Oil Filter Base [Ku D1803–Cr–Te5b]	1

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