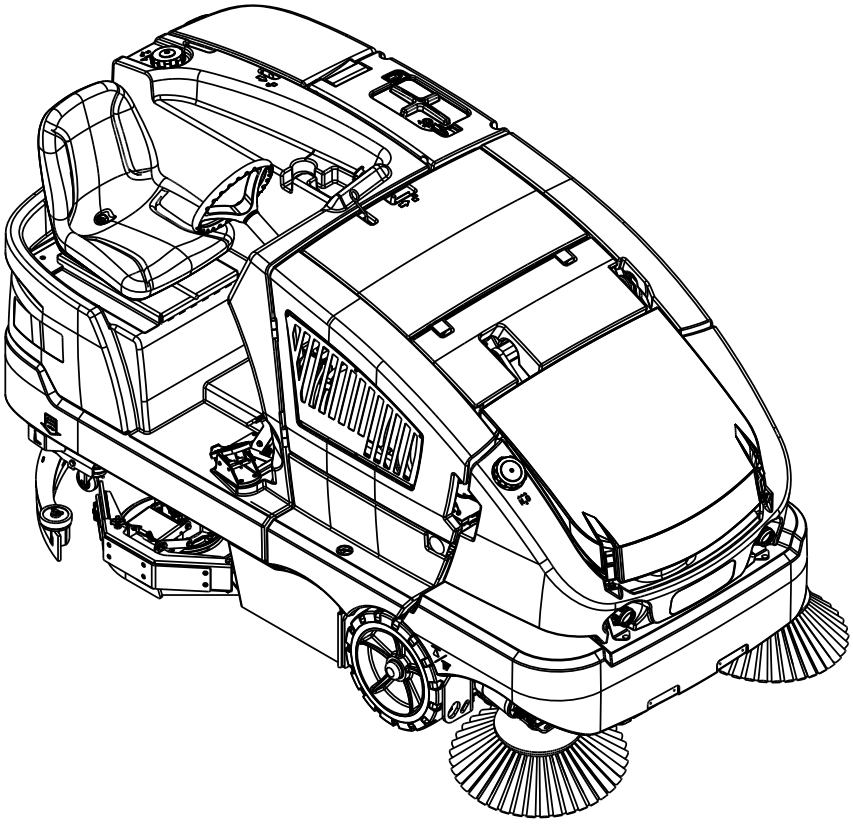
CS7010
Parts List

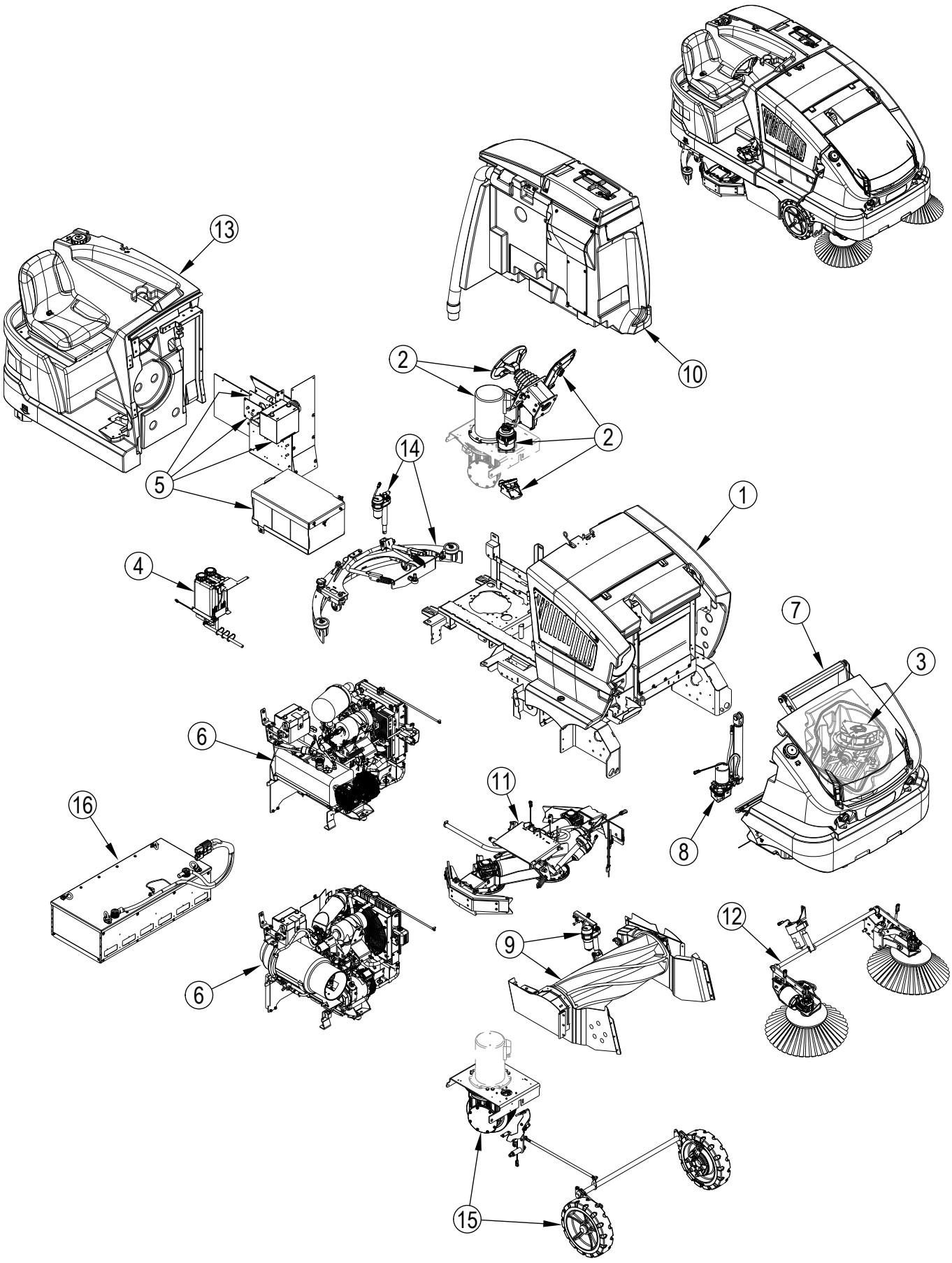
12/2016 revised 2/2023 REV H
Form no. 56042665



Models:
56511710(48 LPG Hybrid), 56511712(48 Diesel Hybrid), 56511713(48 Battery),
56511812(48 Fuel Cell EcoFlex), 56511814(48 Gasoline Hybrid), 56511819(48 Fuel Cell)

Advance
by Nilfisk

GENERAL VIEW



GENERAL VIEW

Kit	Item	Ref. No.	Qty	Description
	1		1	Chassis System
	2		1	Control System
	3		1	Dust Control System
	4		1	Ecoflex™ Assembly
	5		1	Electrical System
	6		1	Engine Systems
	7		1	Hopper System
	8		1	Hydraulic System
	9		1	Main Broom System
	10		1	Recovery System
	11		1	Scrub System
	12		1	Side Broom System
	13		1	Solution System
	14		1	Squeegee System
	15		1	Wheel System
	16#		1	Li-on Battery System

= Revised or new since last update

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WHEN ORDERING PARTS

* Use the part numbers from the “Ref. No.” columns in this parts list. If the “Ref. No.” column is blank; look under the “Kit” column to identify which kit contains the part in question, then use the kit callout, for example “K1”, to find the “Ref. No.” for that kit.

Kit	Item	Ref. No.	Qty	Description
K1	1		16	Washer Flat 3/16 Zinc Plat
K1	2		2	Screw-BHS-Brass-10-32x3/8-MS
K1	3		3	Washer EPDM 7/32 X 1/8
	4	805	1	Chain-Cover
	5	905	2	Caster Swivel 4 Gray Non MA
K1	6		2	Nut, Hex Nyl Loc 10-24
K1	7		3	Scr- Hex SS 1/4-20 X .75
K1	8		16	Scr, Hex Hd Loc 1/4-20 x .50
K1	9		3	Wsh, Flt SS .260 X 1.000 X .074
	10	56113012	1	Solution Tank
	11	56113034	2	Hinge Plate
	K1	56113103	1	Kit-Hardware Solution Tank

* Specify the model and serial number of the machine.

* Use the space below to record the model and serial number for future reference.

Model _____ Serial No. _____

HYDRAULIC SYSTEM - CONNECTOR TYPE BY SERIAL NUMBER

Use your machine's serial number and the charts below and on the next page to determine which style hydraulics your machine has. See the Hydraulic System pages in this parts list that cover all the JIC 37° flare hydraulic Systems and ORFS Hydraulic Systems.

Item Num	Description	Serial Number	Connector Type
56511815	CS7010 1200D HYBRID	1000066378	JIC 37° flare
56511818	CS7010 1200 PETROL HYBRID	1000066381	ORFS
56511818	CS7010 1200 PETROL HYBRID	1000066382	ORFS
56511773	CS7010 48LP ECOFLEX DG	1000066385	JIC 37° flare
56511815	CS7010 1200D HYBRID	1000066386	JIC 37° flare
56511815	CS7010 1200D HYBRID	1000066387	JIC 37° flare
56511815	CS7010 1200D HYBRID	1000066388	JIC 37° flare
56511777	CS7010 48D ECOFLEX DG	1000066389	JIC 37° flare
56511777	CS7010 48D ECOFLEX DG	1000066390	JIC 37° flare
56511782	CS7010 48G ECOFLEX DG	1000066391	JIC 37° flare
56511771	CS7010 48LP DG	1000066393	JIC 37° flare
56511773	CS7010 48LP ECOFLEX DG	1000066401	JIC 37° flare
56511821	CS7010 1200LPG HYBRID	1000066402	JIC 37° flare
56511773	CS7010 48LP ECOFLEX DG	1000066414	JIC 37° flare
56511773	CS7010 48LP ECOFLEX DG	1000066415	JIC 37° flare
56511773	CS7010 48LP ECOFLEX DG	1000066417	JIC 37° flare
56511773	CS7010 48LP ECOFLEX DG	1000066418	JIC 37° flare
56511773	CS7010 48LP ECOFLEX DG	1000066421	JIC 37° flare
56511773	CS7010 48LP ECOFLEX DG	1000066423	JIC 37° flare
56511773	CS7010 48LP ECOFLEX DG	1000066433	JIC 37° flare
56511770	CS7010 48LP	1000066435	JIC 37° flare
56511773	CS7010 48LP ECOFLEX DG	1000066464	JIC 37° flare
56511773	CS7010 48LP ECOFLEX DG	1000066465	JIC 37° flare
56511816	CS7010 1200B	1000066467	JIC 37° flare
56511816	CS7010 1200B	1000066516	JIC 37° flare
56511815	CS7010 1200D HYBRID	1000066519	JIC 37° flare
56511815	CS7010 1200D HYBRID	1000066520	JIC 37° flare
56511815	CS7010 1200D HYBRID	1000066521	JIC 37° flare
56511816	CS7010 1200B	1000066522	JIC 37° flare
56511816	CS7010 1200B	1000066523	JIC 37° flare
56511816	CS7010 1200B	1000066524	JIC 37° flare
56511816	CS7010 1200B	1000066525	JIC 37° flare
56511816	CS7010 1200B	1000066526	JIC 37° flare
56511816	CS7010 1200B	1000066527	JIC 37° flare
56511821	CS7010 1200LPG HYBRID	1000066528	ORFS
56511772	CS7010 48LP ECOFLEX	1000066535	JIC 37° flare
56511816	CS7010 1200B	1000066543	JIC 37° flare
56511816	CS7010 1200B	1000066544	JIC 37° flare
56511815	CS7010 1200D HYBRID	1000066547	ORFS
56511816	CS7010 1200B	1000066548	JIC 37° flare
56511816	CS7010 1200B	1000066549	ORFS
56511815	CS7010 1200D HYBRID	1000066550	JIC 37° flare
56511815	CS7010 1200D HYBRID	1000066551	JIC 37° flare
56511816	CS7010 1200B	1000066557	ORFS
56511816	CS7010 1200B	1000066558	ORFS
56511770	CS7010 48LP	1000066562	JIC 37° flare
56511929	CS7010 FUEL CELL CUSTOM 1	1000066568	ORFS
56511929	CS7010 FUEL CELL CUSTOM 1	1000066569	ORFS
56511815	CS7010 1200D HYBRID	1000066587	ORFS
56511815	CS7010 1200D HYBRID	1000066588	ORFS
56511816	CS7010 1200B	1000066593	ORFS
56511816	CS7010 1200B	1000066594	ORFS
56511816	CS7010 1200B	1000066595	ORFS

JIC 37° Flare Connector Type

All machines built before Serial Number 1000066378 use JIC 37° flare connector type

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HYDRAULIC SYSTEM - CONNECTOR TYPE BY SERIAL NUMBER - CONTINUED

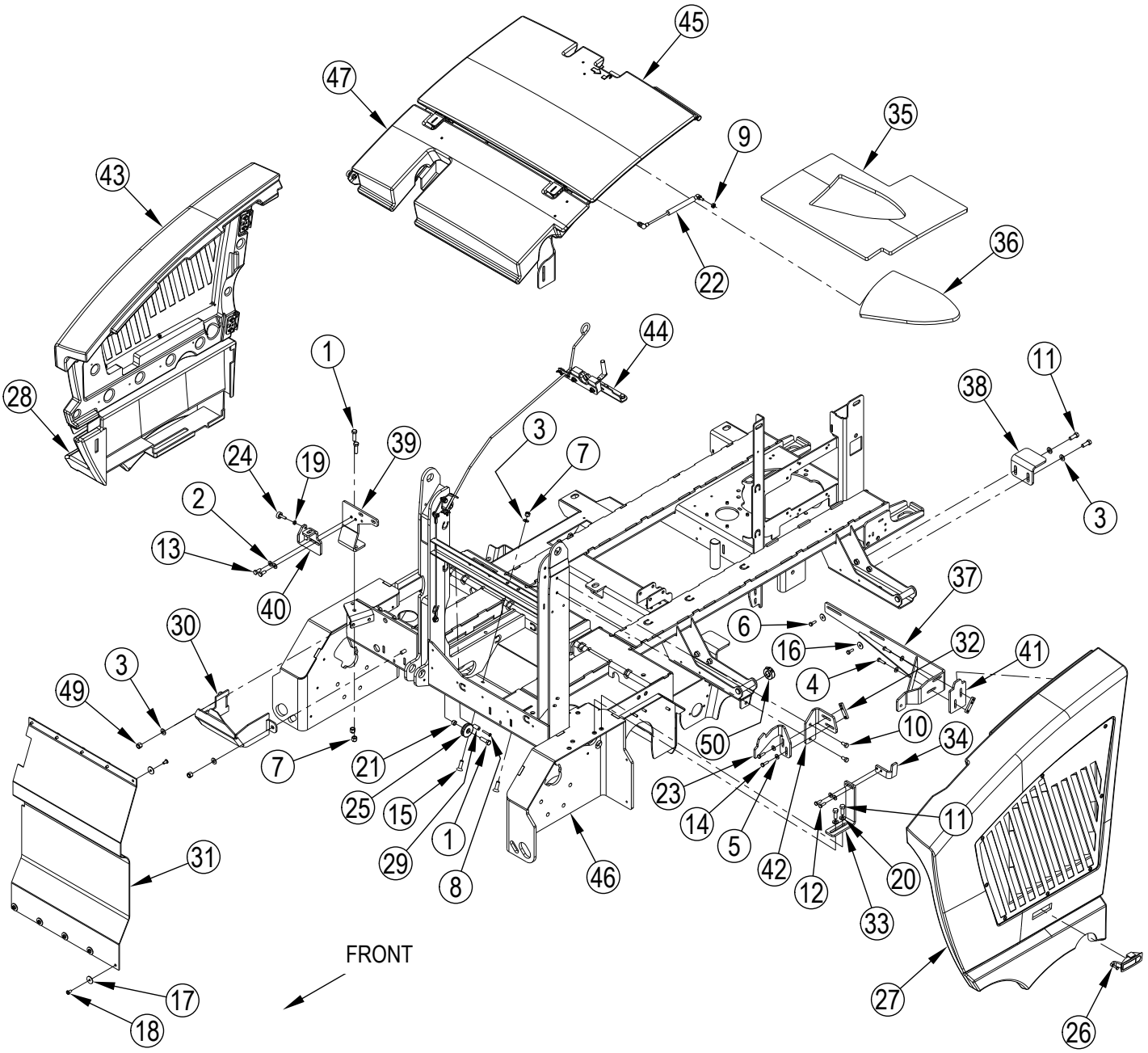
Item Num	Description	Serial Number	Connector Type
56511816	CS7010 1200B	1000066596	ORFS
56511816	CS7010 1200B	1000066597	ORFS
56511816	CS7010 1200B	1000066598	ORFS
56511772	CS7010 48LP ECOFLEX	1000066608	JIC 37° flare
56511772	CS7010 48LP ECOFLEX	1000066609	JIC 37° flare
56511773	CS7010 48LP ECOFLEX DG	1000066612	JIC 37° flare
56511798	CS7010 48 FUEL CELL ECOFLEX DG	1000066613	ORFS
56511777	CS7010 48D ECOFLEX DG	1000066614	ORFS
56511770	CS7010 48LP	1000066615	ORFS
56511770	CS7010 48LP	1000066617	ORFS
56511816	CS7010 1200B	1000066631	ORFS
56511815	CS7010 1200D HYBRID	1000066632	ORFS
56511815	CS7010 1200D HYBRID	1000066633	ORFS
56511816	CS7010 1200B	1000066634	ORFS
56511816	CS7010 1200B	1000066635	ORFS
56511816	CS7010 1200B	1000066636	ORFS
56511816	CS7010 1200B	1000066637	ORFS
56511821	CS7010 1200LPG HYBRID	1000066638	ORFS
56511821	CS7010 1200LPG HYBRID	1000066639	ORFS
56511773	CS7010 48LP ECOFLEX DG	1000066640	ORFS
56511816	CS7010 1200B	1000066641	ORFS
56511816	CS7010 1200B	1000066642	ORFS
56511773	CS7010 48LP ECOFLEX DG	1000066644	ORFS
56511794	CS7010 48B W770 480VAC ECO DG	1000066645	ORFS
56511816	CS7010 1200B	1000066646	ORFS
56511821	CS7010 1200LPG HYBRID	1000066647	ORFS
56511777	CS7010 48D ECOFLEX DG	1000066649	JIC 37° flare
56511773	CS7010 48LP ECOFLEX DG	1000066650	ORFS
56511777	CS7010 48D ECOFLEX DG	1000066652	JIC 37° flare
56511771	CS7010 48LP DG	1000066653	ORFS
56511777	CS7010 48D ECOFLEX DG	1000066654	ORFS
56511773	CS7010 48LP ECOFLEX DG	1000066659	ORFS
56511773	CS7010 48LP ECOFLEX DG	1000066660	ORFS
56511773	CS7010 48LP ECOFLEX DG	1000066661	ORFS
56511773	CS7010 48LP ECOFLEX DG	1000066662	ORFS
56511799	CS7010 48B W770 240-1PH	1000066665	ORFS
56511799	CS7010 48B W770 240-1PH	1000066667	ORFS
56511799	CS7010 48B W770 240-1PH	1000066669	ORFS
56511816	CS7010 1200B	1000066707	ORFS
56511821	CS7010 1200LPG HYBRID	1000066708	ORFS
56511816	CS7010 1200B	1000066709	ORFS
56511770	CS7010 48LP	1000066711	ORFS
56511775	CS7010 48D DG	1000066712	ORFS
56511771	CS7010 48LP DG	1000066738	ORFS
56511772	CS7010 48LP ECOFLEX	1000066739	ORFS
56511816	CS7010 1200B	1000066741	ORFS
56511816	CS7010 1200B	1000066742	ORFS
56511816	CS7010 1200B	1000066743	ORFS
56511816	CS7010 1200B	1000066744	ORFS
56511821	CS7010 1200LPG HYBRID	1000066745	ORFS
56511930	CS7010 48B CUSTOM 1	1000066749	JIC 37° flare
56511816	CS7010 1200B	1000066750	ORFS

continued from previous page

All machines built after Serial Number 1000066750 use ORFS connector type

ORFS Connector Type

CHASSIS SYSTEM-GASOLINE-PETROL-LPG & DIESEL



CHASSIS SYSTEM-GASOLINE-PETROL-LPG & DIESEL

Kit	Item	Ref. No.	Qty	Description
K2	1		3	Scr-Hex 3/8-16 X 1.25
K2,K3	2		2	Wsh, Flt Sae 5/16
K2	3		8	Wsh, Flt Sae 3/8
K2	4		2	Scr-Hex 1/4-20 X 1.00
K2	5		6	Wsh, Flt Sae 1/4
K2	6		2	Scr-Hex 1/4-20 X .75
K2	7		6	Nut-Hex Nyl Loc 3/8-16
K2	8		1	Scr-Pan Phil 10-24 X 1.25
K2	9		2	Nut, Hex Nyl Loc-Thin 5/16-18
K2	10		2	Scr-Hex Hd Loc 5/16-18x.62
K2	11		6	Scr-Hex Hd Loc 3/8-16x1.00
K2	12		2	Scr-Hex Hd Loc 1/4-20x.75
K2,K3	13		2	Scr-Hex Hd Loc 5/16-18x.75
K2	14		2	Scr-Hex Hd Loc 1/4-20x.88
K2	15		2	Scr-Flt Soc Ss 3/8-16 X 1.25
K2	16		2	Wsh, Flt .266 X .906 X .060
K1,K2	17		10	Wsh-Flt Ss .260 X 1.000 X .074
K1,K2	18		10	Scr, Pan Phil Thd Form 1/4-20 X .50
K2,K3	19		1	Nut, Hex Jam 1/4-20
K2	20		2	Wsh-Flt .406x.750x.090
	21	56232181	1	Bushing
	22	56314206	1	Gas Spring
	23	56382941	1	Hanger-Side Panel
K3	24		1	Leg Leveler 1/4-20
	25	56416546	1	Shielded Pulley
	26	56418471	1	Door Latch
	27	56509851	1	Left Cover Assy
	28	56509881	1	Lower Cover Right
	29	56509982	1	Bushing-.200 X .375 X .88
	30	56510125	1	Guard-Reservoir
K1	31		1	Shield-Dust
	32	56510587	2	Nut Plate
	33	56510717	1	Bracket
	34	56510723	1	Strike-Latch
	35	56510749	1	Foam Insulation
	36	56510750	1	Foam Insulation
	37	56511124	1	Cover Hanger Weldt
	38	56511149	2	Bracket Tank Stop
	39	56511153	1	Support-Panel
K3	40		1	Bracket
	41	56511168	1	Plate
	42	56511172	1	Bracket
	43	56511182	1	Right Door Assy
	44	56511183	1	Pull Rod Assy
	45	56511184	1	Engine Cover Assy
	46#		1	Chassis Weldment **(not available for sale) NOTE 1**
	46#		1	Chassis Weldment **(not available for sale) NOTE 2**
	47	56511740	1	Front Engine Cover Assy
K2	49		2	Nut Hex Nyl Loc-Thin 3/8-16
K4	50		1	Collar-Clamp-2 Piece

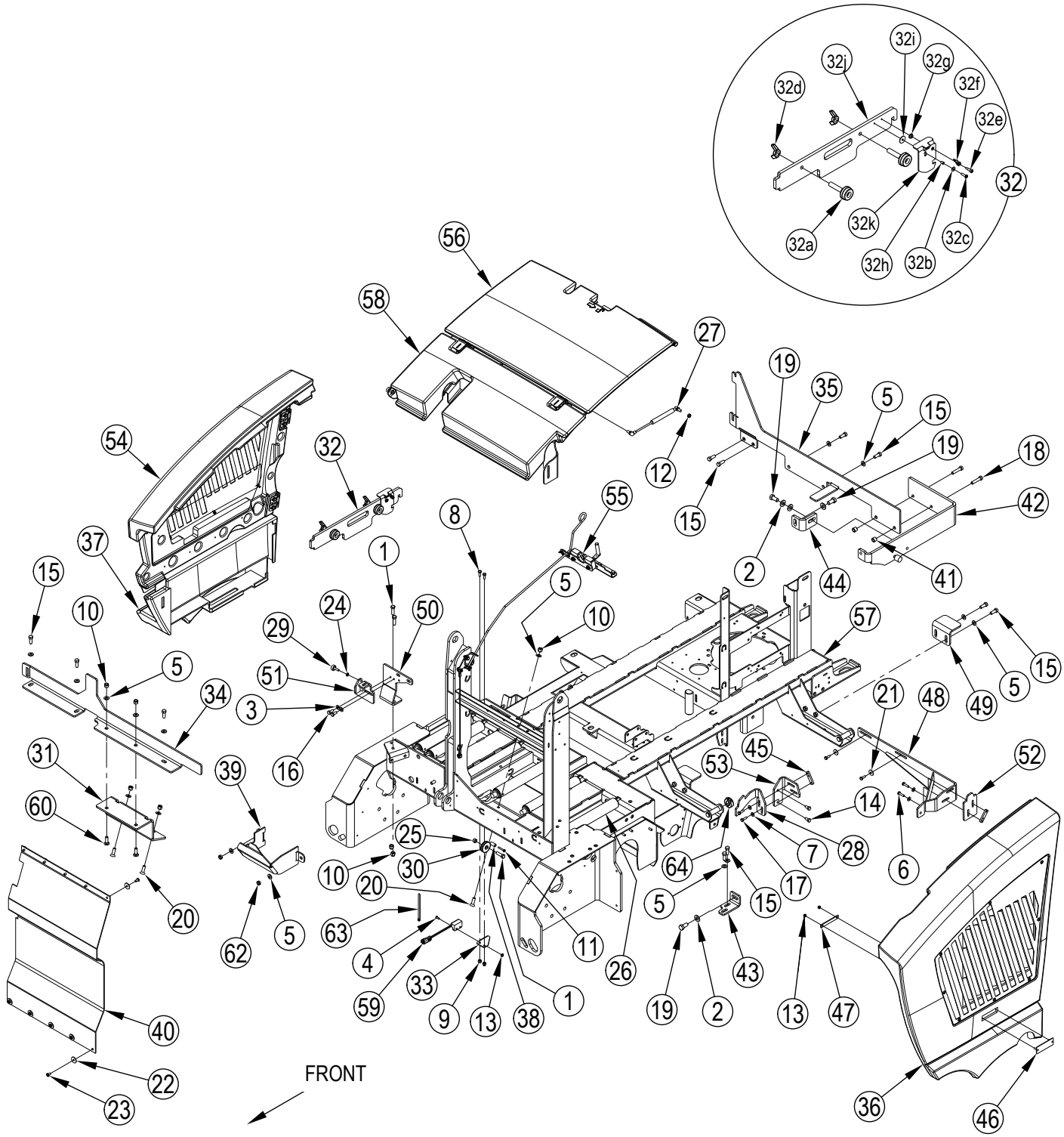
Service Kits

K1	56510735	1	Dust Shield Kit-Hopper
K2	56511888	1	Hardware Kit-Chassis Sys
K3	56509013	1	Right Door Latch Kit
K4	56394069	1	Clamp Collar Kit-2 Piece

= Revised or new since last update

NOTE 1:# 5 Lug Traction Drive Gearbox and Drive Wheel used on machines before serial number 1000073661.
NOTE 2:# 7 Lug Traction Drive Gearbox and Drive Wheel used on machines after serial number 1000073660.

CHASSIS SYSTEM-BATTERY



CHASSIS SYSTEM-BATTERY

Kit	Item	Ref. No.	Qty	Description
K2	1		3	Scr-Hex 3/8-16 X 1.25
K2,K4	2		4	Wsh-Flt Sae 1/2
K2,K3	3		2	Wsh, Flt Sae 5/16
K2	4		1	Scr-Pan Phil 10-24 X .50
K2,K4	5		18	Wsh, Flt Sae 3/8
K2	6		2	Scr-Hex 1/4-20 X 1.00
K2	7		4	Wsh, Flt Sae 1/4
K2	8		4	Scr-Hex 1/4-20 X .75
K2	9		2	Nut, Hex Nyl Loc 1/4-20
K2,K4	10		7	Nut-Hex Nyl Loc 3/8-16
K2	11		1	Scr-Pan Phil 10-24 X 1.25
K2	12		2	Nut, Hex Nyl Loc-Thin 5/16-18
K2	13		3	Nut, Hex Nyl Loc-Thin 10-24
K2	14		2	Scr-Hex Hd Loc 5/16-18x.62
K2,K4	15		13	Scr-Hex Hd Loc 3/8-16x1.00
K2,K3	16		2	Scr-Hex Hd Loc 5/16-18x.75
K2	17		2	Scr-Hex Hd Loc 1/4-20x.88
K2,K4	18		2	Scr-Hex Hd Loc 3/8-16x1.75
K2,K4	19		3	Scr-Hex Hd Loc 1/2-13x1.00
K2,K4	20		3	Scr-Flt Soc Ss 3/8-16 X 1.25
K2	21		2	Wsh, Flt .266 X .906 X .060
K1,K2	22		10	Wsh-Flt Ss .260 X 1.000 X .074
K1,K2	23		10	Scr, Pan Phil Thd Form 1/4-20 X .50
K2	24		1	Nut, Hex Jam 1/4-20
	25	56232181	1	Bushing
	26	56303228	6	Roller Asm
	27	56314206	1	Gas Spring
	28	56382941	1	Hanger-Side Panel
K3	29		1	Leg Leveler 1/4-20
	30	56416546	1	Shielded Pulley
K4	31		1	Bracket - Rollers
	32	56509755	1	Plate Asm-Battery Stop
	32a	56449221	2	Bumper, 1.43 Dia
	32b	56001954	1	Wsh, Flt SAE #10
	32c	56002192	1	Scr-Pan Phil 10-24 X .75
	32d	56003289	2	Nut, Wing 1/2-13
	32e	56003537	1	Scr-Soc Shd .25 X .38 X 10-24
	32f	56245060	1	Spring, Torsion .38 X 2
	32g	56303284	1	Bearing, Fl .375x..250x..188
	32h	56369004	1	Bushing
	32i	56413875	1	Washer, Teflon, .21 X .88 X .045
	32j	56509756	1	Plate - Battery Stop
	32k	56509757	1	Latch - Battery Stop
	33	56509758	1	Bracket - Switch Mount
K4	34		1	Battery Guide-Front
K4	35		1	Battery Guide Weldt
	36	56509851	1	Left Cover Assy
	37	56509881	1	Lower Cover Right
	38	56509982	1	Bushing-.200 X .375 X .88
	39	56510125	1	Guard-Reservoir
K1	40		1	Shield-Dust
K4	41		2	Bushing-.400 X .625 X .50
K4	42		1	Battery Stop Weldt
	43	56510537	1	Bracket
K4	44		1	Bracket
	45	56510587	2	Nut Plate
	46	56510751	1	Cover Plate Assy
	47	56510752	1	Retainer-Cover Plate
	48	56511124	1	Cover Hanger Weldt
	49	56511149	2	Bracket Tank Stop
	50	56511153	1	Support-Panel
K3	51		1	Bracket
	52	56511168	1	Plate
	53	56511172	1	Bracket
	54	56511182	1	Right Door Assy
	55	56511183	1	Pull Rod Assy
	56	56511184	1	Engine Cover Assy
	57#		1	Chassis Weldment **(not available for sale) NOTE 1**
	57#		1	Chassis Weldment **(not available for sale) NOTE 2**
	58	56511740	1	Front Engine Cover Assy
	59	56511830	1	Sensor-Proximity **SW4**
K4	60		2	3/8-16 X 1.0", Carriage Bolt
K2	62		2	Nut Hex Nyl Loc-Thin 3/8-16
	63	2-00-04345	1	15.35 In Cable Tie Blk Nylon
K5	64		1	Collar-Clamp-2 Piece

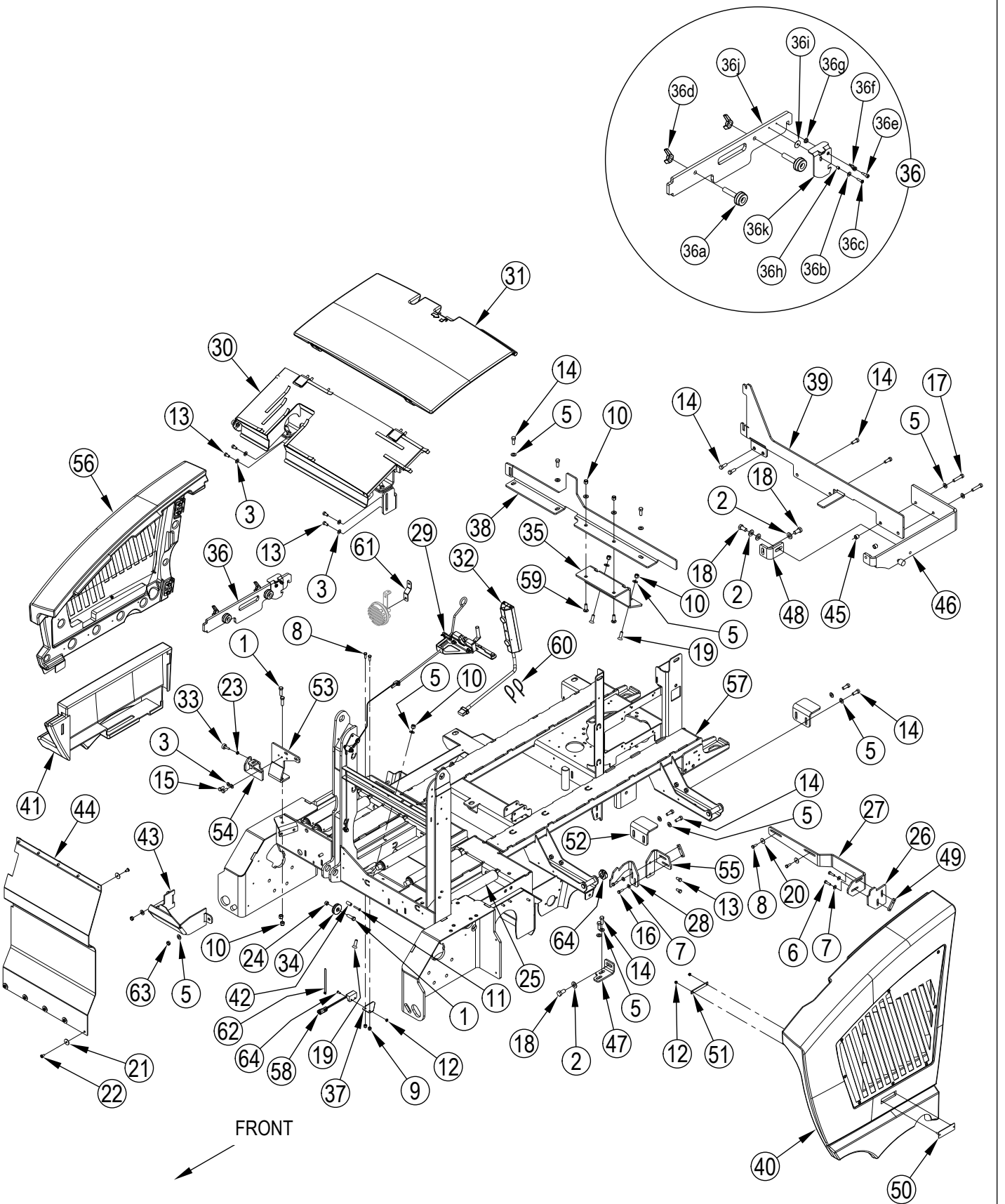
Service Kits

K1	56510735	1	Dust Shield Kit-Hopper
K2	56511888	1	Hardware Kit-Chassis Sys
K3	56509013	1	Right Door Latch Kit
K4	56510838	1	Battery Guide Kit
K5	56394069	1	Clamp Collar Kit-2 Piece

= Revised or new since last update

NOTE 1:# 5 Lug Traction Drive Gearbox and Drive Wheel used on machines before serial number 1000073661.
NOTE 2:# 7 Lug Traction Drive Gearbox and Drive Wheel used on machines after serial number 1000073660.

CHASSIS SYSTEM-FUEL CELL



CHASSIS SYSTEM-FUEL CELL

Kit	Item	Ref. No.	Qty	Description
K2	1		3	Scr-Hex 3/8-16 X 1.25
K2,K4	2		4	Wsh-Flt Sae 1/2
K2,K3	3		6	Wsh, Flt Sae 5/16
K2	4		1	Scr-Pan Phil 10-24 X .50
K2,K4	5		18	Wsh, Flt Sae 3/8
K2	6		2	Scr-Hex 1/4-20 X 1.00
K2	7		4	Wsh, Flt Sae 1/4
K2	8		4	Scr-Hex 1/4-20 X .75
K2	9		2	Nut, Hex Nyl Loc 1/4-20
K2,K4	10		7	Nut-Hex Nyl Loc 3/8-16
K2	11		1	Scr-Pan Phil 10-24 X 1.25
K2	12		3	Nut, Hex Nyl Loc-Thin 10-24
K2	13		2	Scr-Hex Hd Loc 5/16-18x.62
K2,K4	14		13	Scr-Hex Hd Loc 3/8-16x1.00
K2,K3	15		6	Scr-Hex Hd Loc 5/16-18x.75
K2	16		2	Scr-Hex Hd Loc 1/4-20x.88
K2,K4	17		2	Scr-Hex Hd Loc 3/8-16x1.75
K2,K4	18		3	Scr-Hex Hd Loc 1/2-13x1.00
K2,K4	19		3	Scr-Flt Soc Ss 3/8-16 X 1.25
K2	20		2	Wsh, Flt .266 X .906 X .060
K1,K2	21		10	Wsh-Flt Ss .260 X 1.000 X .074
K1,K2	22		10	Scr, Pan Phil Thd Form 1/4-20 X .50
K2	23		1	Nut, Hex Jam 1/4-20
	24	56232181	1	Bushing
	25	56303228	6	Roller Asm
	26	56382937	1	Plate-Mounting
	27	56382940	1	Hanger-Cover
	28	56382941	1	Hanger-Side Panel
	29	56382967	1	Pull Rod Assy-Cs7000 Fc
	30	56382970	1	Front Cover Assy-Cs7000 Fc
	31	56382971	1	Engine Cover Assy-Cs7000 Fc
	32		1	Panel-User Interface Fuel Cell
	33	56386314	1	Leg Leveler 1/4-20
	34	56416546	1	Shielded Pulley
	35	56509538	1	Bracket - Rollers
	36	56509755	1	Plate Asm-Battery Stop
	36a	56449221	2	Bumper, 1.43 Dia
	36b	56001954	1	Wsh, Flt SAE #10
	36c	56002192	1	Scr-Pan Phil 10-24 X .75
	36d	56003289	2	Nut, Wing 1/2-13
	36e	56003537	1	Scr-Soc Shd .25 X .38 X 10-24
	36f	56245060	1	Spring, Torsion .38 X 2
	36g	56303284	1	Bearing, Fl .375x..250x..188
	36h	56369004	1	Bushing
	36i	56413875	1	Washer, Teflon, .21 X .88 X .045
	36j	56509756	1	Plate - Battery Stop
	36k	56509757	1	Latch - Battery Stop

Kit	Item	Ref. No.	Qty	Description
	37	56509758	1	Bracket - Switch Mount
K4	38		1	Battery Guide-Front
K4	39		1	Battery Guide Weldt
	40	56394357	1	Left Cover Assy-Fuel Celll
	41	56509881	1	Lower Cover Right
	42	56509982	1	Bushing-.200 X .375 X .88
	43	56510125	1	Guard-Reservoir
K1	44		1	Shield-Dust
K4	45		2	Bushing-.400 X .625 X .50
K4	46		1	Battery Stop Weldt
	47	56510537	1	Bracket
K4	48		1	Bracket
	49	56510587	2	Nut Plate
	50	56510751	1	Cover Plate Assy
	51	56510752	1	Retainer-Cover Plate
	52	56511149	2	Bracket Tank Stop
	53	56511153	1	Support-Panel
K3	54		1	Bracket
	55	56511172	1	Bracket
	56	56394356	1	Right Door Assy-Fuel Cell
	57#		1	Chassis Weldment **(not available for sale) NOTE 1**
	57#		1	Chassis Weldment **(not available for sale) NOTE 2**
	58	56511830	1	Sensor-Proximity **SW4**
K4	59		2	3/8-16 X 1.0", Carriage Bolt
	60		2	Ty-Rap Thomas+Betts-Ty-28m
	61	56382931	1	Bracket-Horn
	62	2-00-04345	1	15.35 In Cable Tie Blk Nylon
K2	63		2	Nut Hex Nyl Loc-Thin 3/8-16
K5	64		1	Collar-Clamp-2 Piece

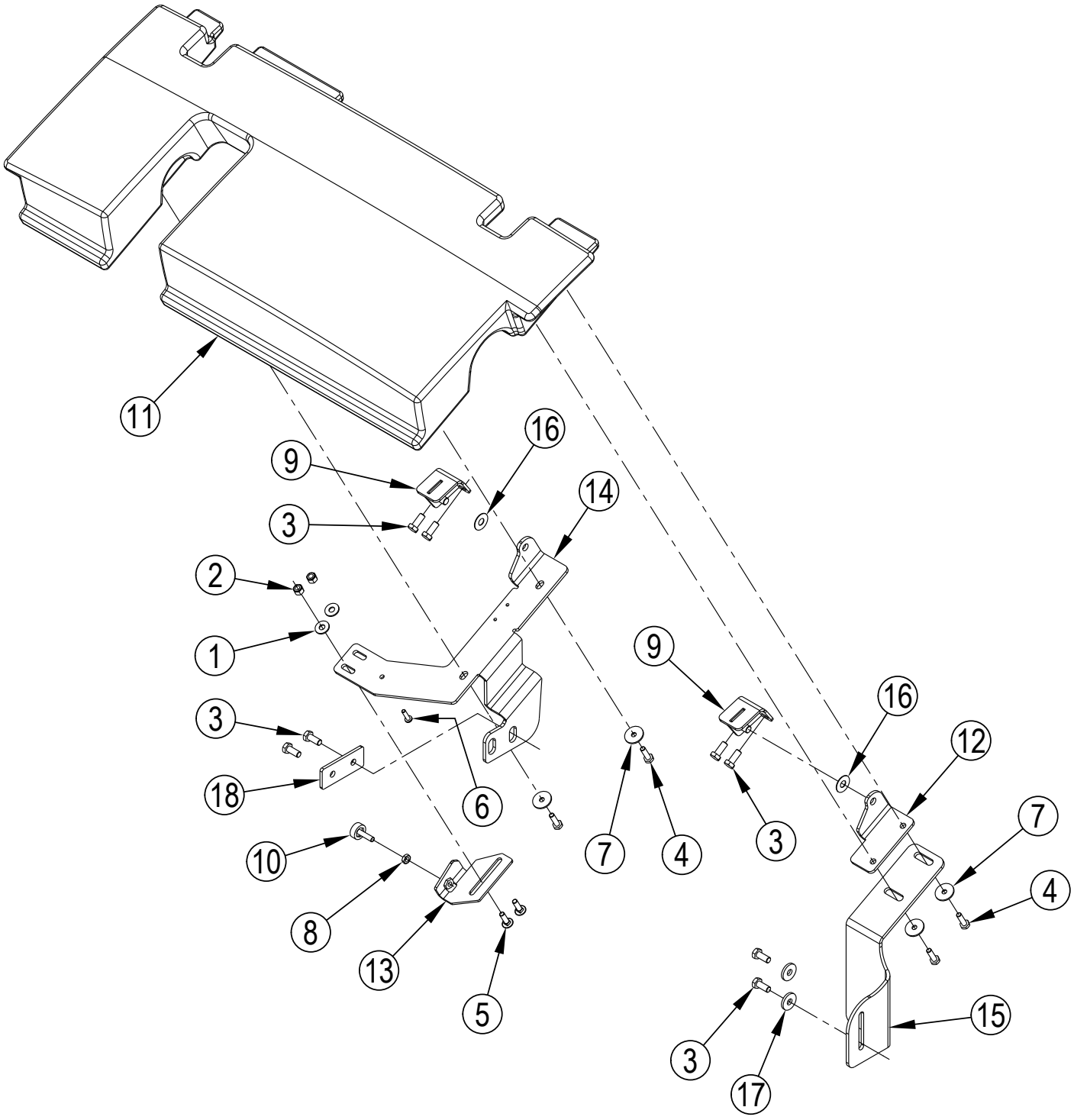
Service Kits

K1	56510735	1	Dust Shield Kit-Hopper
K2	56511888	1	Hardware Kit-Chassis Sys
K3	56509013	1	Right Door Latch Kit
K4	56510838	1	Battery Guide Kit
K5	56394069	1	Clamp Collar Kit-2 Piece

= Revised or new since last update

NOTE 1:# 5 Lug Traction Drive Gearbox and Drive Wheel used on machines before serial number 1000073661.
NOTE 2:# 7 Lug Traction Drive Gearbox and Drive Wheel used on machines after serial number 1000073660.

CHASSIS SYSTEM-FRONT ENGINE COVER ASSEMBLY



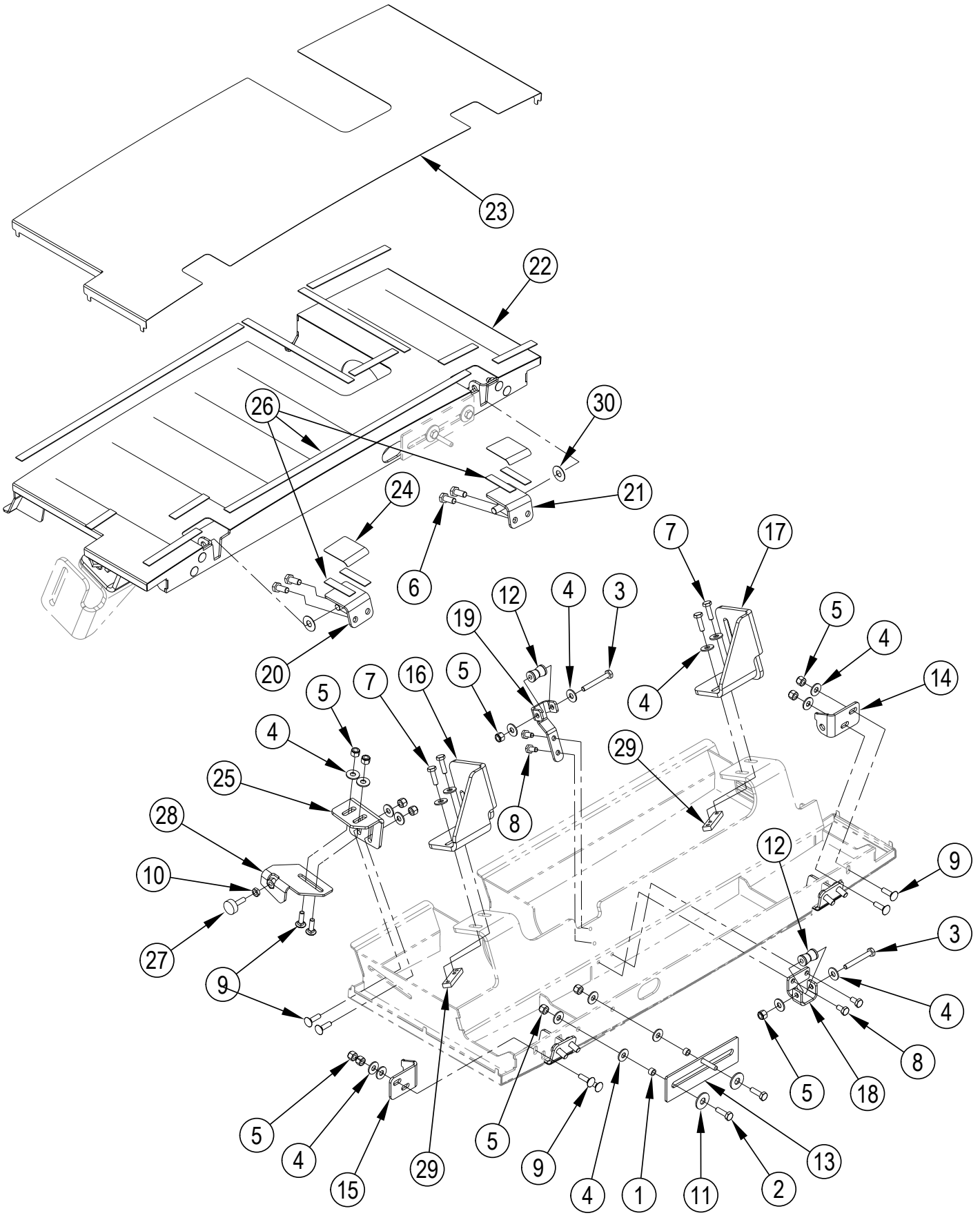
CHASSIS SYSTEM-FRONT ENGINE COVER ASSEMBLY

Kit	Item	Ref. No.	Qty	Description
		56511740	1	Front Engine Cover Assy
K1	1		2	Wsh, Flt Std 1/4
K1	2		2	Nut, Hex Nyl Loc 1/4-20
K1	3		8	Scr-Hex Hd Loc 5/16-18x.75
K1	4		4	Scr Hex Loc-1/4-20 X 0.75
K1	5		2	Scr-Carriage 1/4-20 X .88
K1	6		1	Scr, Pan Phil SS Type Ab 10-16 X .75
K1	7		4	Wsh, Flt SS .260 X 1.000 X .074
K1	8		1	Nut, Hex Jam 1/4-20
K1	9		2	Hinge Weldt
K1	10		1	Leg Leveler 1/4-20
	11	56509403	1	Cover-Engine Front
K1	12		1	Bracket-Engine Cover
K1	13		1	Latch Bracket Weldt
K1	14		1	Bracket-Support-Cover
K1	15		1	Bracket-Support-Cover
K1	16		2	Washer 3/8PL.Nylon
K1	17	56009122	2	Wsh Flt .344x.938x.125
K1	18	56511924	1	Plate-Bracket Retainer

Service Kits

	K1	56383002	1	Front Engine Cover Hinge Kit

CHASSIS SYSTEM-FUEL CELL FRONT COVER ASSEMBLY



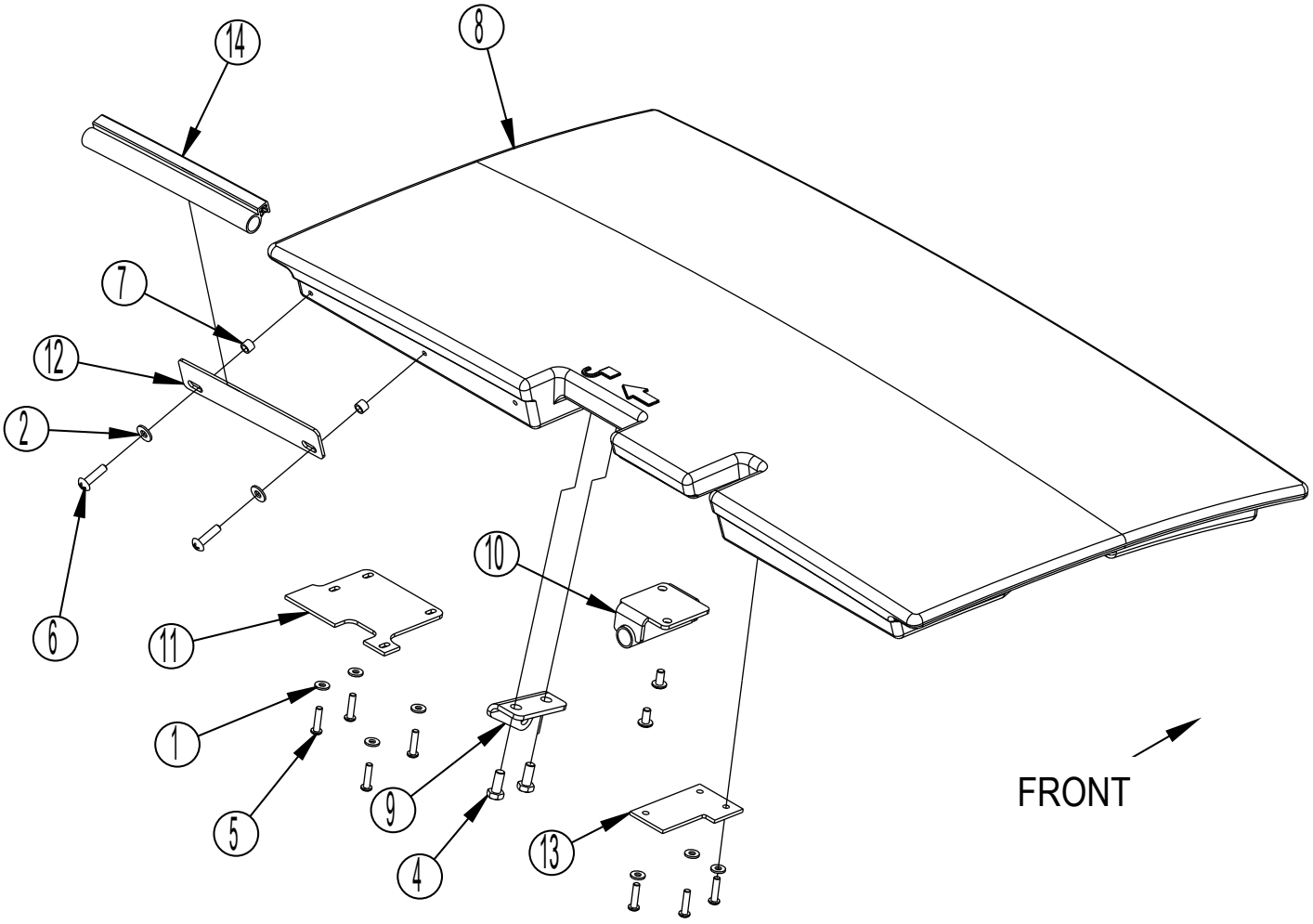
CHASSIS SYSTEM-FUEL CELL FRONT COVER ASSEMBLY

Kit	Item	Ref. No.	Qty	Description
K1	1		2	Bushing
K1	2		2	Scr-Hex 1/4-20 X .88
	3	56001874	2	Scr-Hex 1/4-20 X 2.00
K1	4		20	Wsh, Flt Std 1/4
K1	5		12	Nut, Hex Nyl Loc 1/4-20
K1	6		4	Scr-Hex Hd Loc 5/16-18x.75
K1	7		4	Scr-Hex Hd Loc 1/4-20x.88
	8	56003039	4	Scr-Hex Hd Loc 1/4-20x.50
K1	9		8	Scr-Carriage 1/4-20 X .88
K1	10		1	Nut, Hex Jam 1/4-20
K1	11		2	Wsh-Flt .392x1.00x.075
	12	56382925	2	Pulley
K1	13		1	Bar Lock-Cover Weldt
K1	14		1	Bracket-Hinge Lt
K1	15		1	Bracket-Hinge Rt
K1	16		1	Bracket-Fixed Panel Rt
K1	17		1	Bracket-Fixed Panel Lt
	18	56382942	1	Bracket-Pulley Upper
	19	56382944	1	Bracket-Pulley Lower
K1	20		1	Weldt-Hinge Lt
K1	21		1	Weldt-Hinge Rt
K2	22		1	Weldt-Fixed Panel
K2	23		1	Cover-Fixed Panel Stainless
K1	24		2	Cover-Hinge Stainless
K1	25		1	Bracket-Door Latch
K1,K2	26		1	Tape-Heavy Duty Adhesion 97in
K1	27		1	Leg Leveler 1/4-20
K1	28		1	Latch Bracket Weldt
K1	29		2	Nut Plate
K1	30		2	Washer 3/8PL.Nylon

Service Kits

K1	56383124	1	Kit-Front Cover Brackets Fuell Cell
K2	56383125	1	Kit-Front Cover Fuell Cell

CHASSIS SYSTEM-ENGINE COVER ASSEMBLY



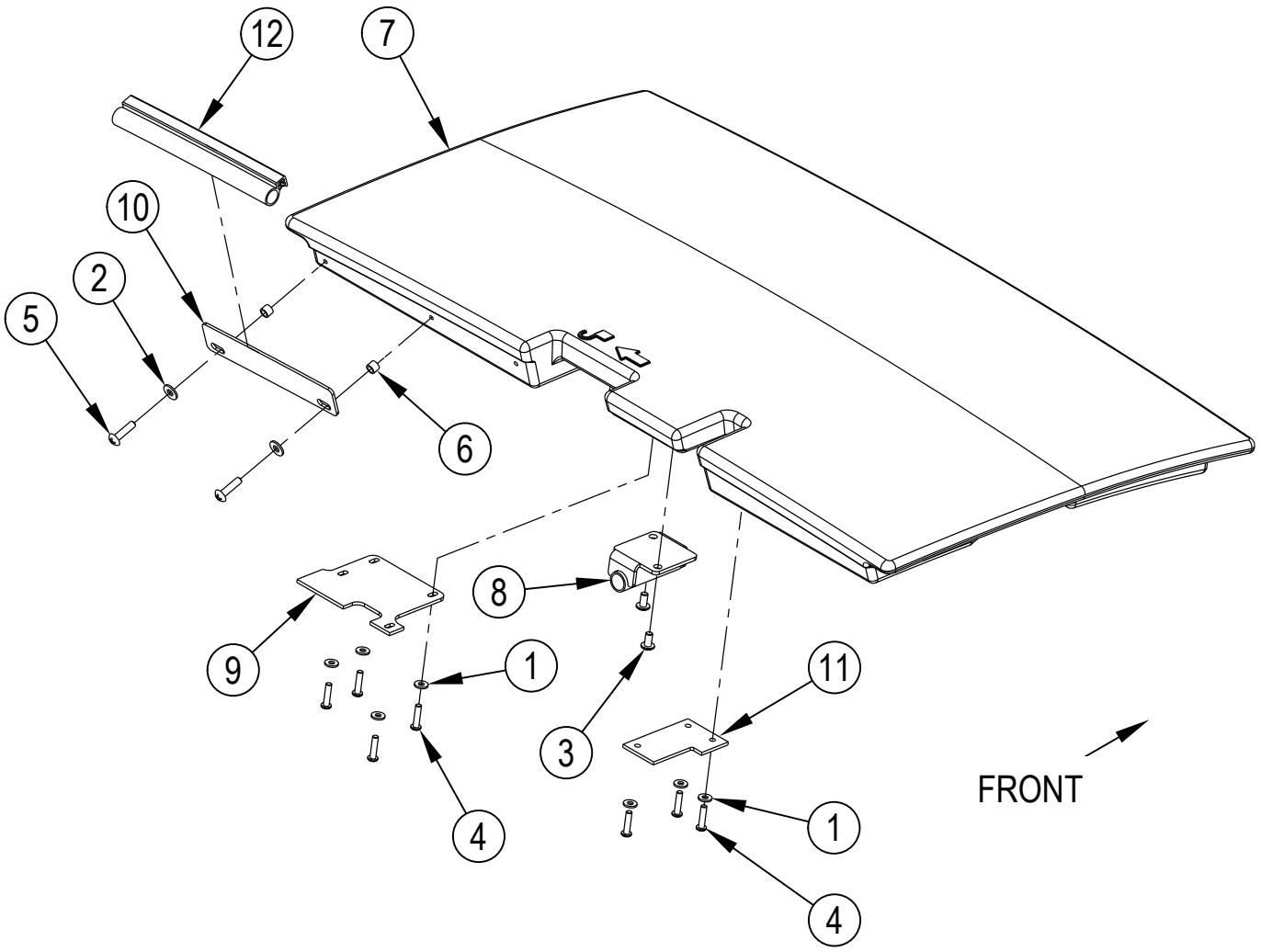
CHASSIS SYSTEM-ENGINE COVER ASSEMBLY

Kit	Item	Ref. No.	Qty	Description
		56511184	1	Engine Cover Assy
K1	1		7	Wsh, Flt SAE #10
K1	2		2	Wsh, Flt SAE 1/4
K2	3		2	Scr, Pan Phil Loc 1/4-20 X .62
K2	4		2	Scr, Hex Hd Loc 5/16-18x.75
K1	5		7	Scr, Pan Phil Plastite 10-14 X .88
K1	6		2	Scr, Pan Phil SS Type Ab 10-16x1.00
K1	7		2	Bushing .26 x .50 x .25
	8	56509404	1	Cover-Engine Rear
K2	9		1	Bracket-Gas Spring
K2	10		1	Latch Strike Weldt
K1	11		1	Shield
K1	12		1	Plate-Seal
K1	13		1	Shield
K1	14		1	Gasket-Bulb Seal-6.75 In

Service Kits

	K1	56510840	1	Seal Kit-Engine Cover
	K2	56510841	1	Latch Strike Kit

CHASSIS SYSTEM-FUEL CELL ENGINE COVER ASSEMBLY

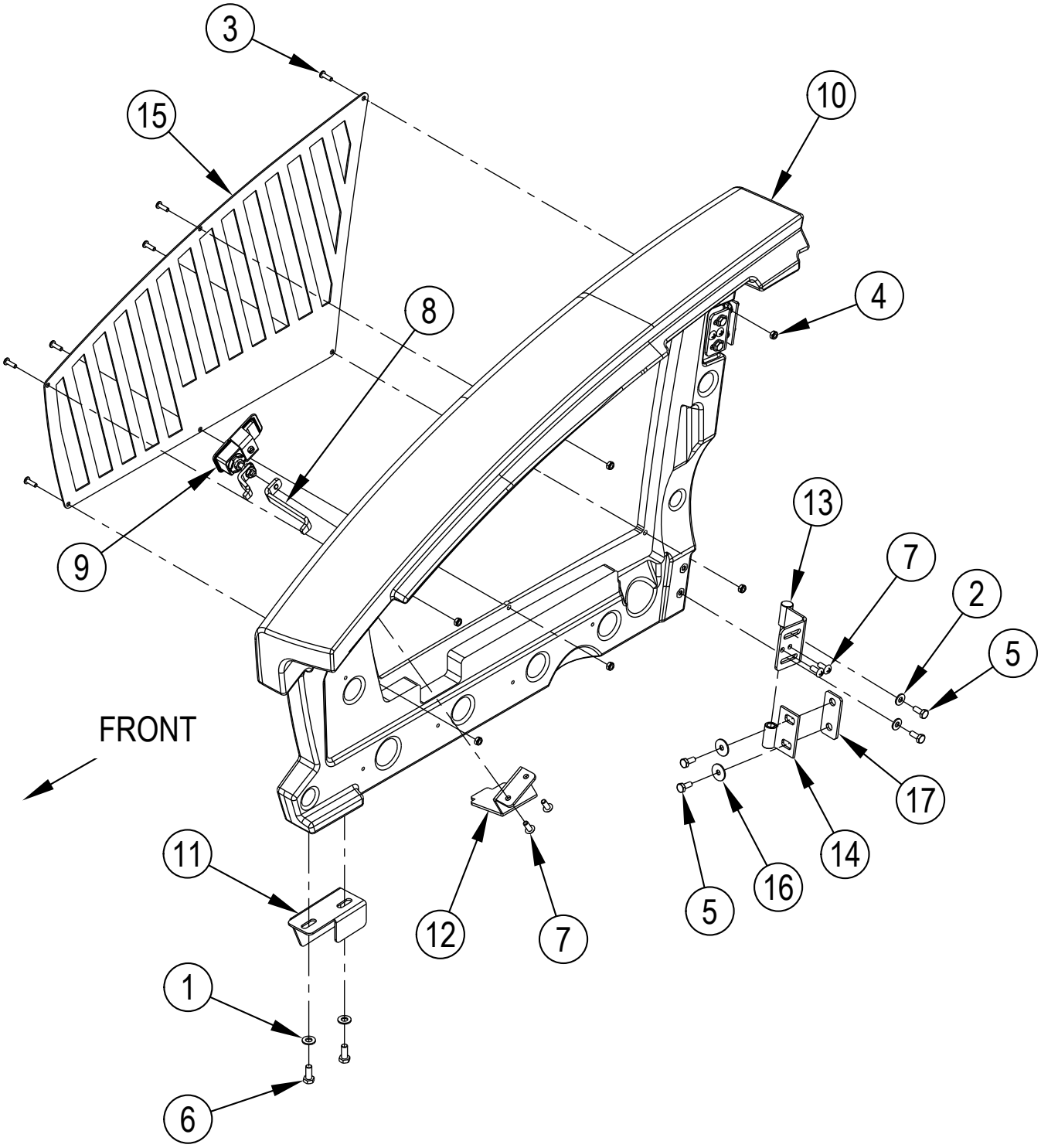


CHASSIS SYSTEM-FUEL CELL ENGINE COVER ASSEMBLY

Kit	Item	Ref. No.	Qty	Description
		56382971	1	Engine Cover Assy-CS7000 FC
K1	1		7	Wsh, Flt SAE #10
K1	2		2	Wsh, Flt SAE 1/4
K2	3		2	Scr, Pan Phil Loc 1/4-20 X .62
K1	4		7	Scr, Pan Phil Plastite 10-14 X .88
K1	5		2	Scr, Pan Phil SS Type Ab 10-16x1.00
K1	6		2	Bushing .26x.37x.28
	7	56509404	1	Cover-Engine Rear
K2	8		1	Latch Strike Weldt
K1	9		1	Shield
K1	10		1	Plate-Seal
K1	11		1	Shield
K1	12		1	Bulb Seal

	Service Kits			
	K1	56510840	1	Seal Kit-Engine Cover
	K2	56510841	1	Latch Strike Kit

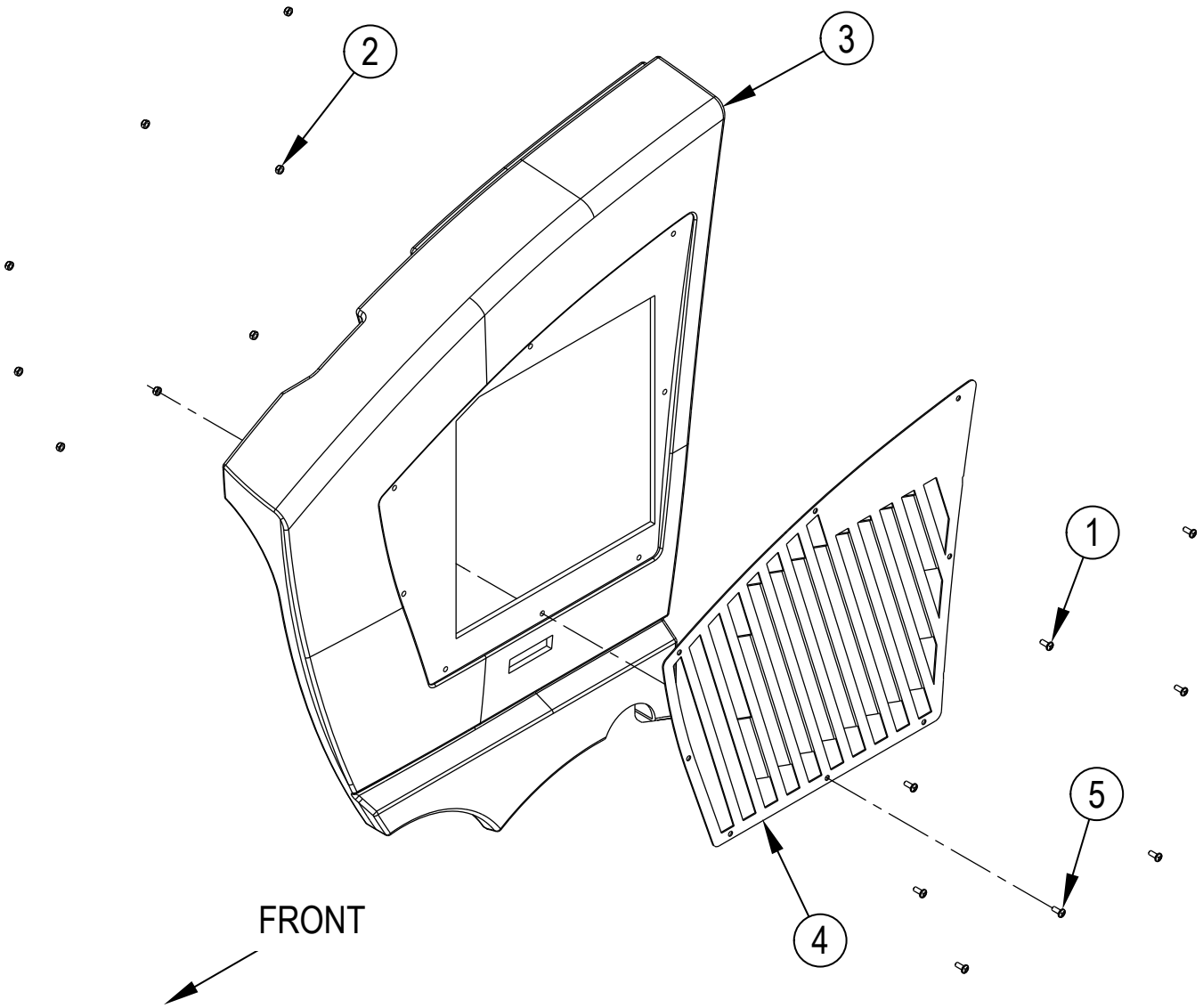
CHASSIS SYSTEM-RIGHT DOOR ASSEMBLY



CHASSIS SYSTEM-RIGHT DOOR ASSEMBLY

Kit	Item	Ref. No.	Qty	Description
		56511182	1	Right Door Assy
		56394356		Right Door Assy-Fuel Cell
K2	1		2	Wsh, Flt SAE 5/16
K1	2		4	Wsh, Flt SAE 1/4
	3	56002896	6	Scr-Pan Phil SS 10-24 X .62
	4	56002849	6	Nut, Hex Nyl Loc-Thin SS 10-24
K1	5		8	Scr-Hex Hd Loc 1/4-20x.62
K2	6		2	Scr-Hex Hd Loc 5/16-18x.62
K1,K2	7		6	Scr Panphil SS Type B 1/4-14 X .62
K2	8		1	Cam-Latch
K2	9		1	Latch-Lift & Turn
	10	56509010	1	Door-Right
		56394246	1	Door-Right - Fuel Cell
K2	11		1	Bracket-Door
K2	12		1	Bracket-Bumper
K1	13		2	Upper Hinge Weldment
K1	14		2	Lower Hinge Weldt
	15	56510632	1	Grille-Right
K1	16		4	Washer Flat .266x.906x.060
	17	56385405	1	Shim-Hinge
		Service Kits		
	K1	56510789	1	Hinge Kit-Rt Door
	K2	56509013	1	Right Door Latch Kit

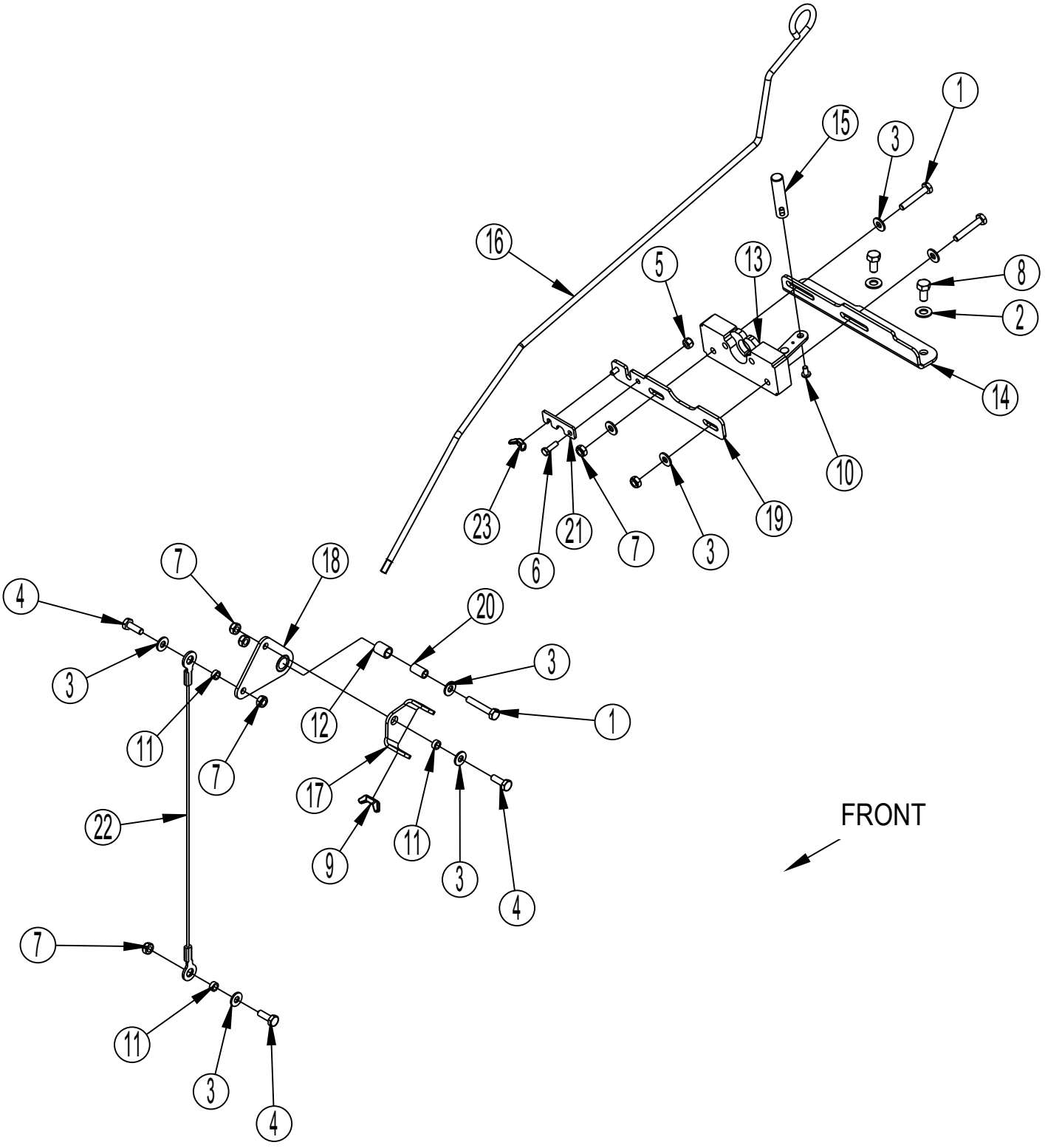
CHASSIS SYSTEM-LEFT COVER ASSEMBLY



CHASSIS SYSTEM-LEFT COVER ASSEMBLY

Kit	Item	Ref. No.	Qty	Description
		56509851	1	Left Cover Assy
		56394357	1	Left Cover Assy-Fuel Cell
	1	56002989	8	Scr-Pan Phil SS 1/4-20 X .62
	2	56002850	8	Nut, Hex Nyl Loc-Thin SS 1/4-20
	3	56509852	1	Cover-Left
		56394233	1	Cover-Left-Fuel Cell
	4	56510606	1	Grille
	5	56003119	1	Scr Pan Phil Ss 1/4-20 X .50

CHASSIS SYSTEM-PULL ROD ASSEMBLY



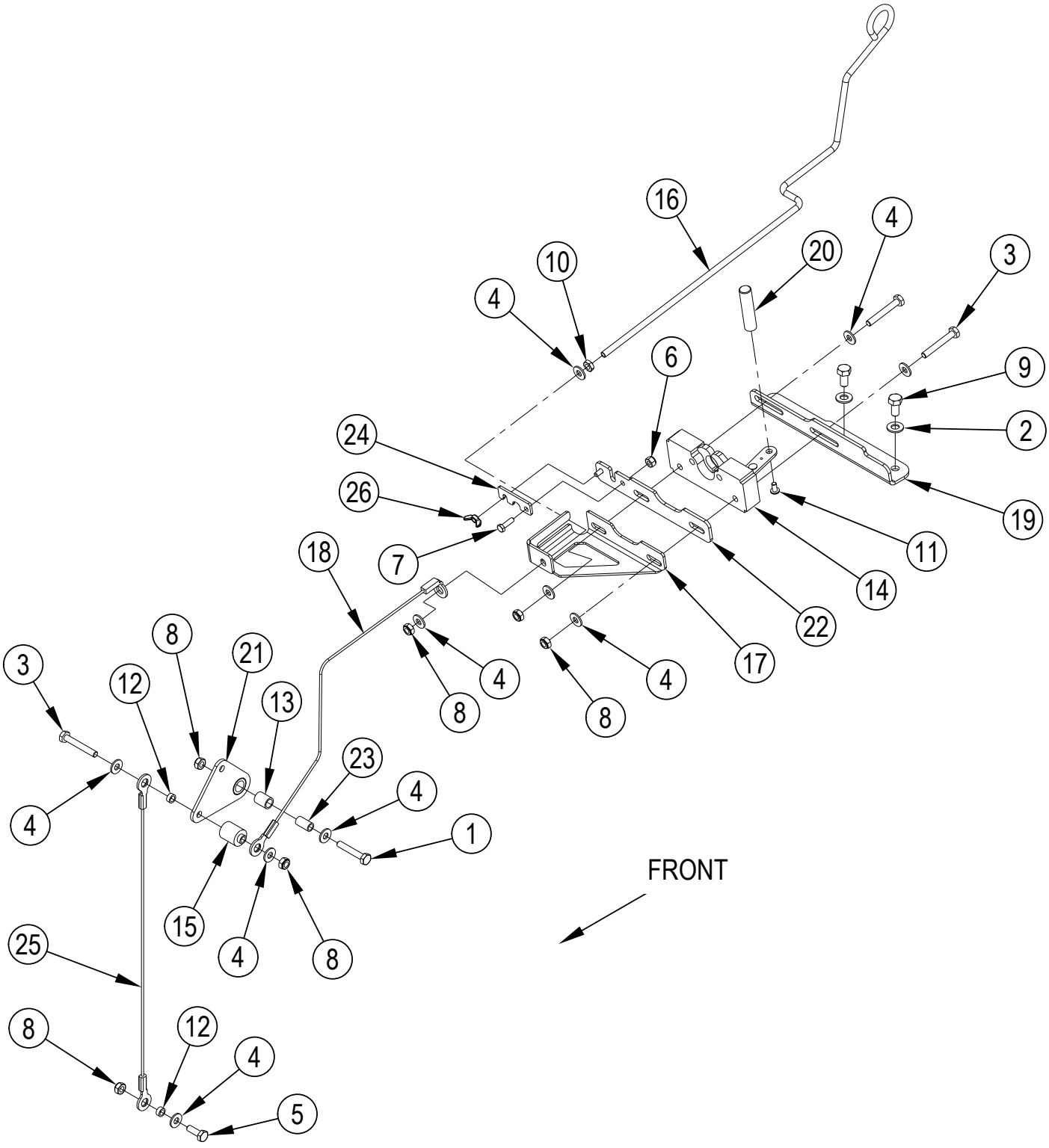
CHASSIS SYSTEM-PULL ROD ASSEMBLY

Kit	Item	Ref. No.	Qty	Description
		56511183	1	Pull Rod Assy
K1,K2	1		3	Scr, Hex 1/4-20 X 1.50
K1	2		2	Wsh, Flt SAE 5/16
K1,K2	3		8	Wsh, Flt SAE 1/4
K2	4		3	Scr, Hex 1/4-20 X .75
K1	5		1	Nut, Hex Nyl Loc 10-24
K1	6		1	Scr, Hex 10-24 X .62
K1,K2	7		6	Nut, Hex Nyl Loc-Thin 1/4-20
K1	8		2	Scr,Hex Hd Loc 5/16-18x.62
K2	9		1	Nut, Wing Loc 1/4-20
K1	10		1	Scr, Pan Phil Loc 10-24 X .38
K2	11		3	Bushing
K2	12		1	Bearing, .500 X .375 X .625
K1	13	56304826	1	Latch, Lh
K1	14		1	Bracket-Latch
K1	15		1	Pin
	16	56509865	1	Pull Rod
K2	17		1	Yoke-Pull Rod
K2	18		1	Pivot Weldt
K1	19		1	Bracket-Pull Rod
K2	20		1	Bushing-.265 X .375 X .700
K1	21		1	Retainer-Pull Rod
K2	22		1	Cable Assy
K1	23		1	Nut, Wing 10-24

Service Kits

K1	56510732	1	Latch Kit-Engine Cover
K2	56510733	1	Pivot Kit-Pull Rod

CHASSIS SYSTEM-FUEL CELL PULL ROD ASSEMBLY



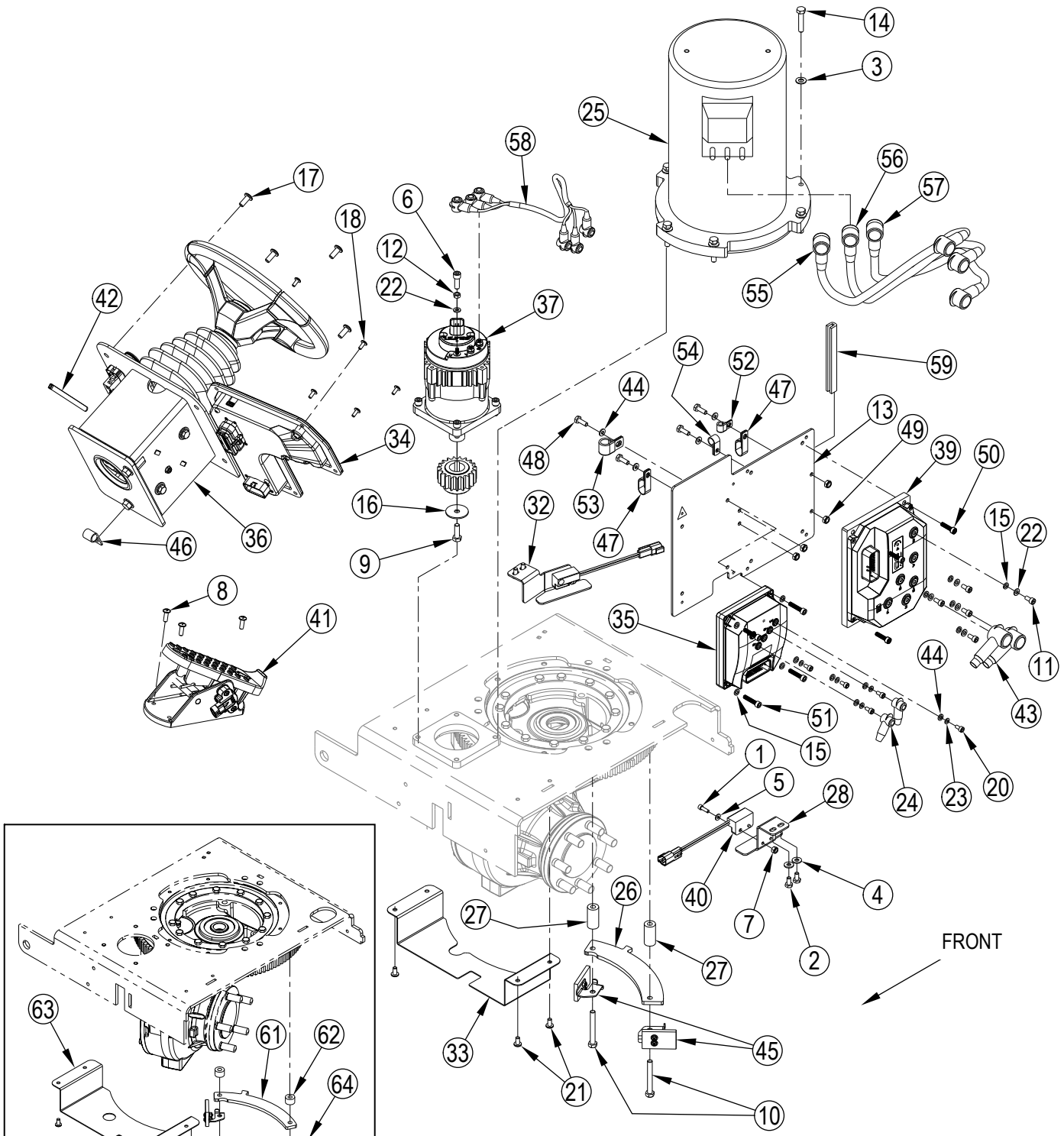
CHASSIS SYSTEM-FUEL CELL PULL ROD ASSEMBLY

Kit	Item	Ref. No.	Qty	Description
		56382967	1	Pull Rod Assy-CS7000 FC
K1,K2	1		1	Scr-Hex 1/4-20 X 1.50
K1	2		2	Wsh, Flt SAE 5/16
K2	3		3	Scr-Hex 1/4-20 X 1.75
K1,K2	4		10	Wsh, Flt SAE 1/4
K2	5		1	Scr-Hex 1/4-20 X .75
K1	6		1	Nut, Hex Nyl Loc 10-24
K1	7		1	Scr-Hex 10-24 X .62
K1,K2	8		6	Nut, Hex Nyl Loc-Thin 1/4-20
K1	9		2	Scr-Hex Hd Loc 5/16-18x.62
	10	56009087	1	Nut, Hex Jam 1/4-20
K1	11		1	Scr-Pan Phil Loc 10-24 X .38
K2	12		2	Bushing
K2	13		1	Bearing, .500 X .375 X .625
K1	14		1	Latch, Lh
K2	15		1	Bushing
	16	56382927	1	Pullrod
	17	56382932	1	Bracket-Pull Rod
K2	18		1	Cable Assy-Formed End
K1	19		1	Bracket-Latch
K1	20		1	Pin
K2	21		1	Pivot Weldt
K1	22		1	Bracket-Pull Rod
K2	23		1	Bushing .265 X .375 X .700
K1	24		1	Retainer-Pull Rod
K2	25		1	Cable Assy
K1	26		1	Nut, Wing 10-24

Service Kits

K1	56510732	1	Latch Kit-Engine Cover
K2	56383122	1	Pivot Kit-Pull Rod Fuel Cell

CONTROL SYSTEM



5 Lug Traction Drive GearBox and Wheel

CONTROL SYSTEM

Kit	Item	Ref. No.	Qty	Description
K2	1		2	Scr-Soc Hd 10-24 X 0.62
K2	2		4	Scr-Hex 1/4-20 X .50
K2,K3	3		6	Wsh, Flt Sae 5/16
K2	4		4	Wsh, Flt Sae 1/4
K2	5		2	Wsh, Flt Sae #8
K2	6		4	Scr-Soc Hd 5/16-18 X 0.88
K2	7		2	Nut, Hex Nyl Loc 10-24
K1,K2	8		3	Scr-Pan Phil Ss 1/4-20 X .75
K2	9		1	Scr, Hex Thd To Hd M8-1.25 X 25mm
K2	10#		2	Scr Hex M8x1.25x65 Ss Thd Lck **NOTE 2**
K2	11		5	Scr Soc Thd To Hd M6 X 12.0
K2	12		3	Nut-Hex M6-1
	13	56511715	1	Panel-Controller Heat Sink
K2,K3	14		6	Scr-Hex Ss M8-1.25 X 40mm
K2	15		9	Wsh, Flt 6.4m X 11mm X 1.6mm
K2	16		1	Wsh-Flt Ss .344 X 1.500 X .080
K2	17		4	Scr-Pan Phil Blk 5/16-18 X .75
K2	18		5	Scr-Truss Phil Ss Blk10-24x.50
K2	20		5	Scr Soc M5-0.8x10
K2	21		4	Scr-Pan Phil Loc Ss 1/4-20x.50
K2	22		8	Wsh Int Shprf 6mm
K2	23		5	Wsh Int Shprf 5mm
	24	56409538	2	Insulator, Terminal
K3	25		1	Motor-Traction **M9**
	[ ]	56510852	1	Sensor-Speed **(for 56510737)**
	[ ]	56510853	1	Sensor-Thermal **(for 56510737)**
	27#	56394553	2	Spacer-Cam Plate **NOTE 2**
	26#	56394555	1	Cam-Steering **NOTE 2**
K4	28	56511959	1	Bracket-Sensor Mount-Lt
	[29]	56510210	1	Cable-U 1 Awg X 13.75
	[30]	56510211	1	Cable-V 1 Awg X 16.00
	[31]	56510212	1	Cable-W 1 Awg X 19.00
K4	32	56511960	1	Bracket-Sensor Mount-Rt
	33#	56394559	1	Shield-Splash **NOTE 2**

Kit	Item	Ref. No.	Qty	Description
	34	56511588	1	Control Board Assy **A1**
	35	56511598	1	Controller-Steering Motor **A5**
	36		1	Tilt Steering Assembly
	37	56511657	1	Motor-Steering **M10**
	[38]	56511667	1	Harness-Steering Motor
	39	56511698	1	Controller-Traction Drive **A4**
	40	56511830	2	Sensor-Proximity **SW11 / SW12**
K1	41		1	Foot Pedal Assy **R4**
	42	2-00-04345	1	Ty-Rap Thomas+Betts-Ty-28m
	43	56493357	2	Insulator Terminal
K2	44		9	Wsh Flt Sae 10
K4	45#	56394551	2	Sensor Sweep Assy **NOTE 2**
	46	56385491	1	Clamp-P-.50 Dia G S
	47#	56004073	2	Clamp-Hose (Double) 1/2 O.D.
	48	56002155	4	Scr Hex 1/4-20 X .75
	49	56002840	4	Nut Hex Nyl Loc-Thin 1/4-20
	50	56004057	4	Scr-Soc-Mech Zinc-12.9-M6-1x25
	51	56004058	4	Scr-Soc-Mech Zinc-12.9-M6-1x30
	52	56323260	1	Clamp Cable
	53	56419120	1	Clamp Hose Support 56e00616
	54	56486112	1	Clamp P
	55	56394366	1	Cable-1 Awg X 19.8
	56	56394367	1	Cable-1 Awg X 18.6
	57	56394368	1	Cable-1 Awg 16.2
	58	56511667	1	Harness-Steering Motor
	59	56507905	1	Trim-Edge-.18 x 5.25
	60#		2	Scr-Hex Loc Ss M8-1 X 30mm **NOTE 1**
	61#	56509435	1	Cam-Steering **NOTE 1**
	62#	56509436	2	Spacer 0.332x0.75x0.50 **NOTE 1**
	63#	56511140	1	Shield-Splash **NOTE 1**
K5	64#	56511966	2	Sensor Sweep Assy **NOTE 1**

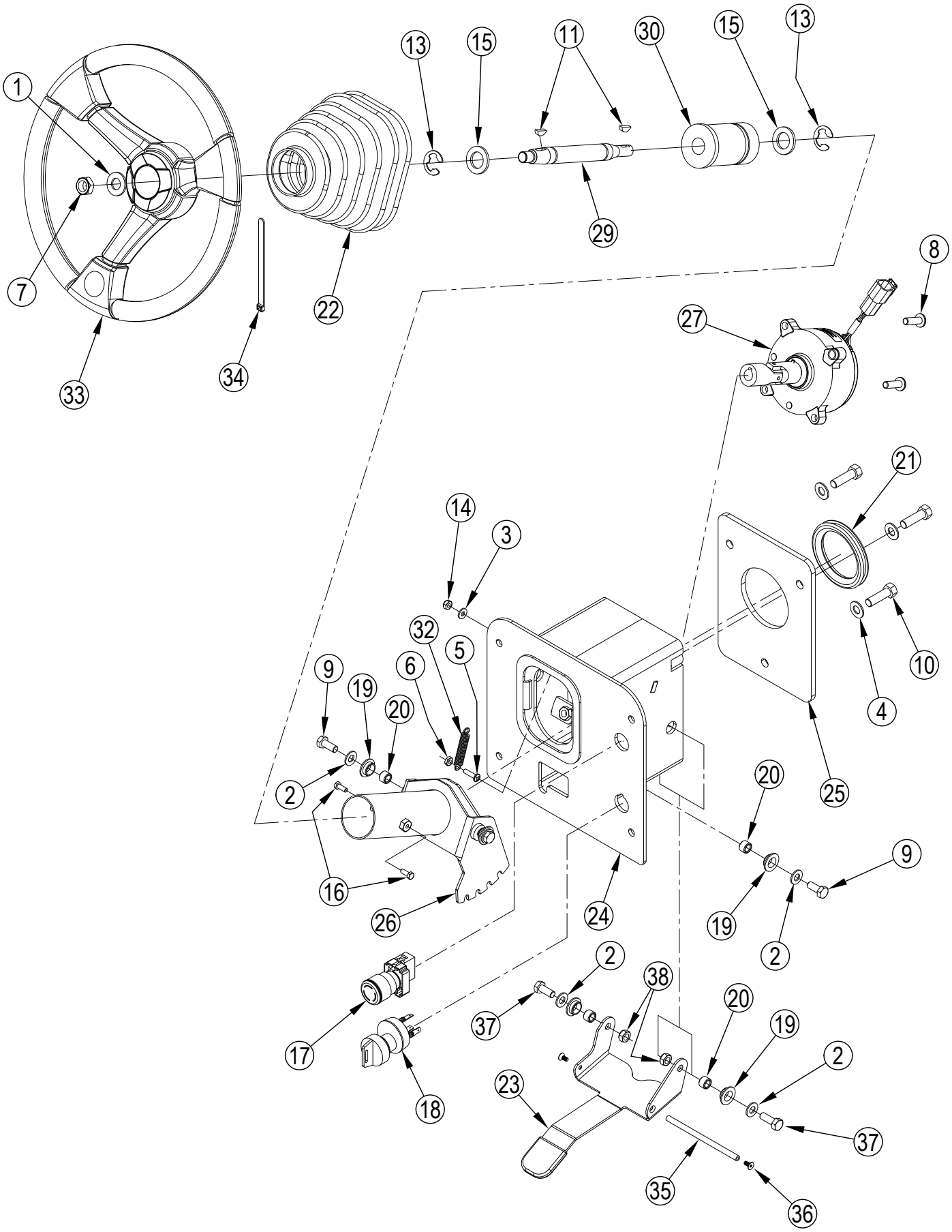
Service Kits

K1	56510792	1	Foot Pedal Kit
K2#	56394634	1	Hardware Kit-Control System
K3	56510737	1	Motor Kit-Drive
K4#	56394632	1	Sensor Sweep Kit **NOTE 2**
K5#	56511968		Sensor Sweep Kit **NOTE 1**

[ ] = Not Shown
= Revised or new since last update

NOTE 1:# 5 Lug Traction Drive Gearbox and Drive Wheel used on machines before serial number 1000073661.
NOTE 2:# 7 Lug Traction Drive Gearbox and Drive Wheel used on machines after serial number 1000073660.

CONTROL SYSTEM-STEERING ASSEMBLY



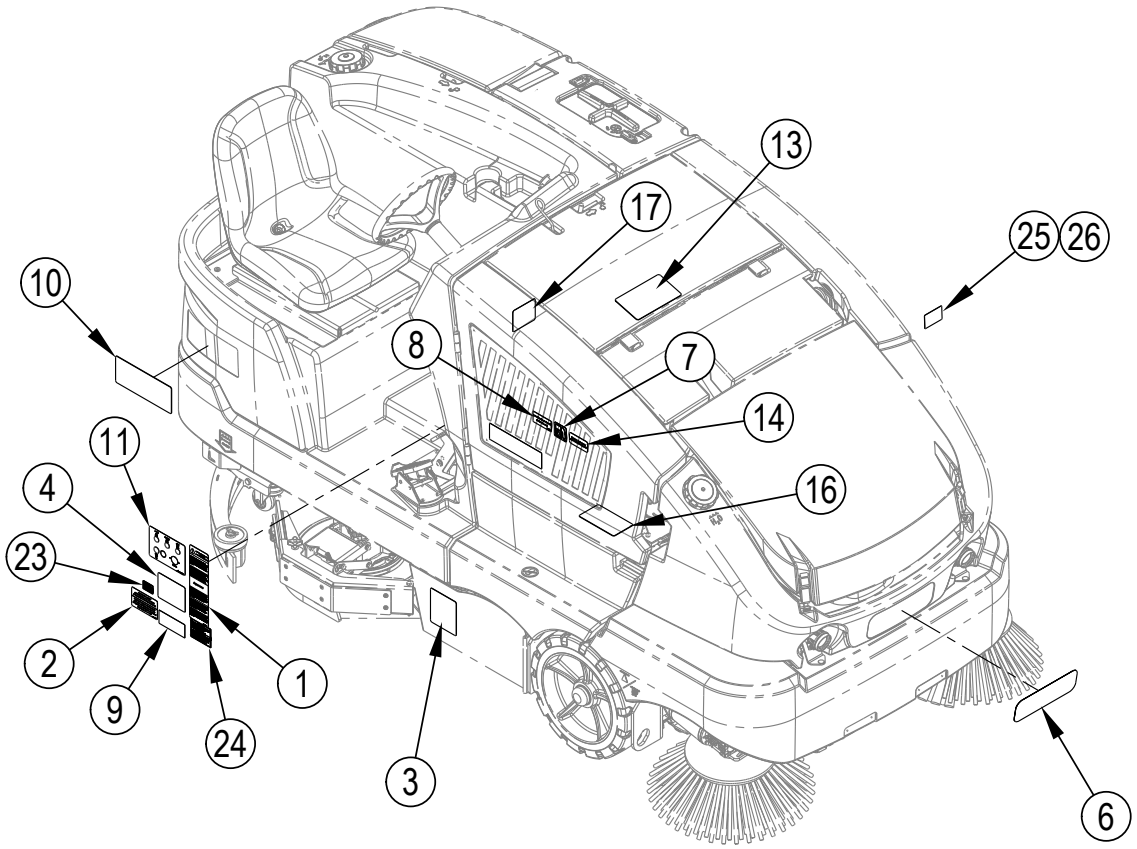
CONTROL SYSTEM-STEERING ASSEMBLY

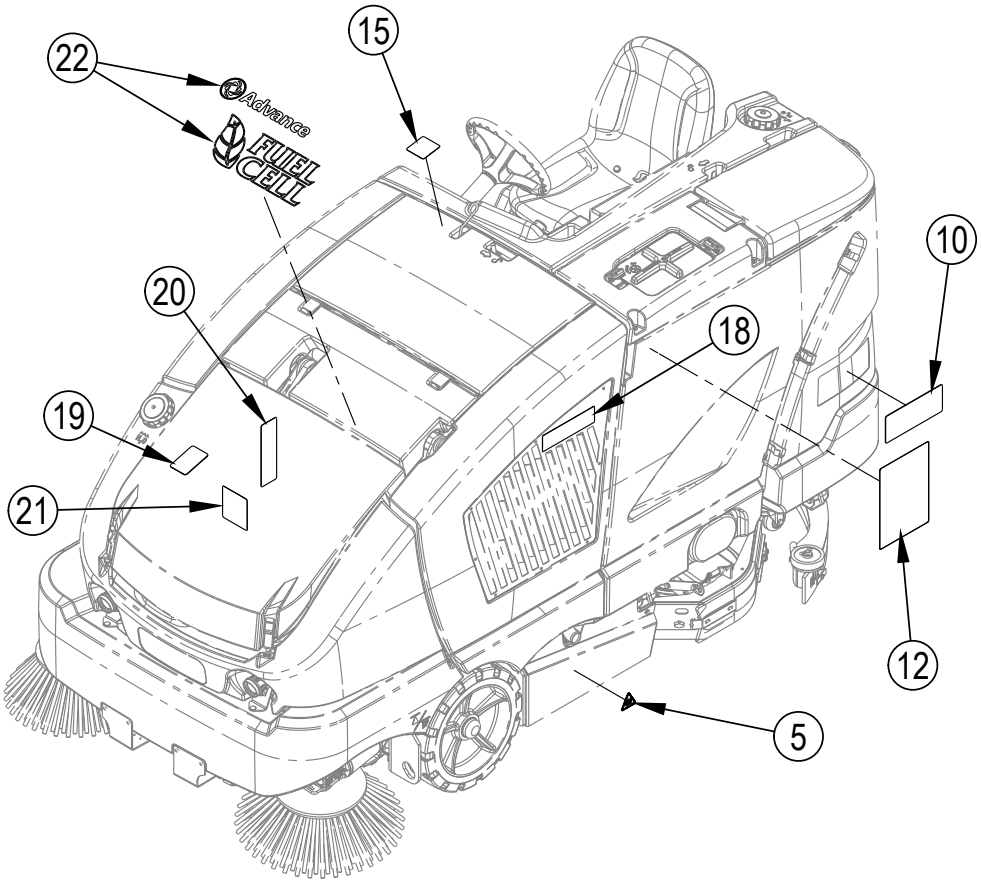
Kit	Item	Ref. No.	Qty	Description
K1,K2	1		1	Wsh-Flt Sae 1/2
K1	2		4	Wsh, Flt Sae 5/16
K1	3		1	Wsh, Flt Sae #10
K1	4		3	Wsh, Flt Sae 3/8
K1	5		1	Scr-Pan Phil 10-24 X .62
K1	6		1	Nut Hex Machine 10-24
K1,K2	7		1	Nut, Hex Nyl Loc-Thin 1/2-13
K1	8		3	Scr-Pan Phil Loc 5/16-18 X 1.00
K1	9		2	Scr-Hex Hd Loc 5/16-18x.75
K1	10		3	Scr-Hex Hd Loc 3/8-16x1.25
K1,K2,K3	11		2	Key, Wdf .62 X .19 **TSB-FC-2018-002**
K1,K2	13		2	Circlip Xeb .750
K1	14		1	Nut Hex Nyl Loc-Thin 10-24
K1,K2	15		2	Wsh, Flt .754 X 1.250 X .120
K1	16		2	Scr Hex Loc 10-24 X .50
	17	56104247	1	Emergency Disconnect **SW2**
	18	56111109	1	Key Switch Assembly **SW1**
	19	56413211	4	Bearing, Flange .625 X .500 X .250
	20	56413801	4	Bushing .32x.50x.35
	21	56459362	1	Grommet
	22	56509255	1	Boot-Steering
	23	56511602	1	Tilt Lever Weldment
	24	56511603	1	Steering Mount Weldment
	25	56511604	1	Bracket-Steering Cover-Rear
	26	56511610	1	Steering Column Weldment
	27	56394105	1	Tfd/U-Joint Assy **E1**
K2,K3	29		1	Shaft-Steering **TSB-FC-2018-002**
K2	30		1	Bushing-Steering
	32	56511756	1	Spring-Extension-0.37x2.00in
	33	56511869	1	Steering Wheel
	34	56383974	1	15.35 In Cable Tie Blk Nylon
	35	56511942	1	Bar-Locking
K1	36		2	Scr-Flt-Soc-F835-8-32x.38-Blk
	37	56002037	2	Scr Hex 5/16-18 X .88
	38	56002826	2	Nut Hex Nyl Loc-Thin 5/16-18

Service Kits

K1	56511892	1	Hardware Kit-Steering Assy
K2	56511893	1	Steering Shaft Kit-W/ Bushing
K3	56511963	1	Steering Shaft Kit-W/O Bushing

DECAL SYSTEM





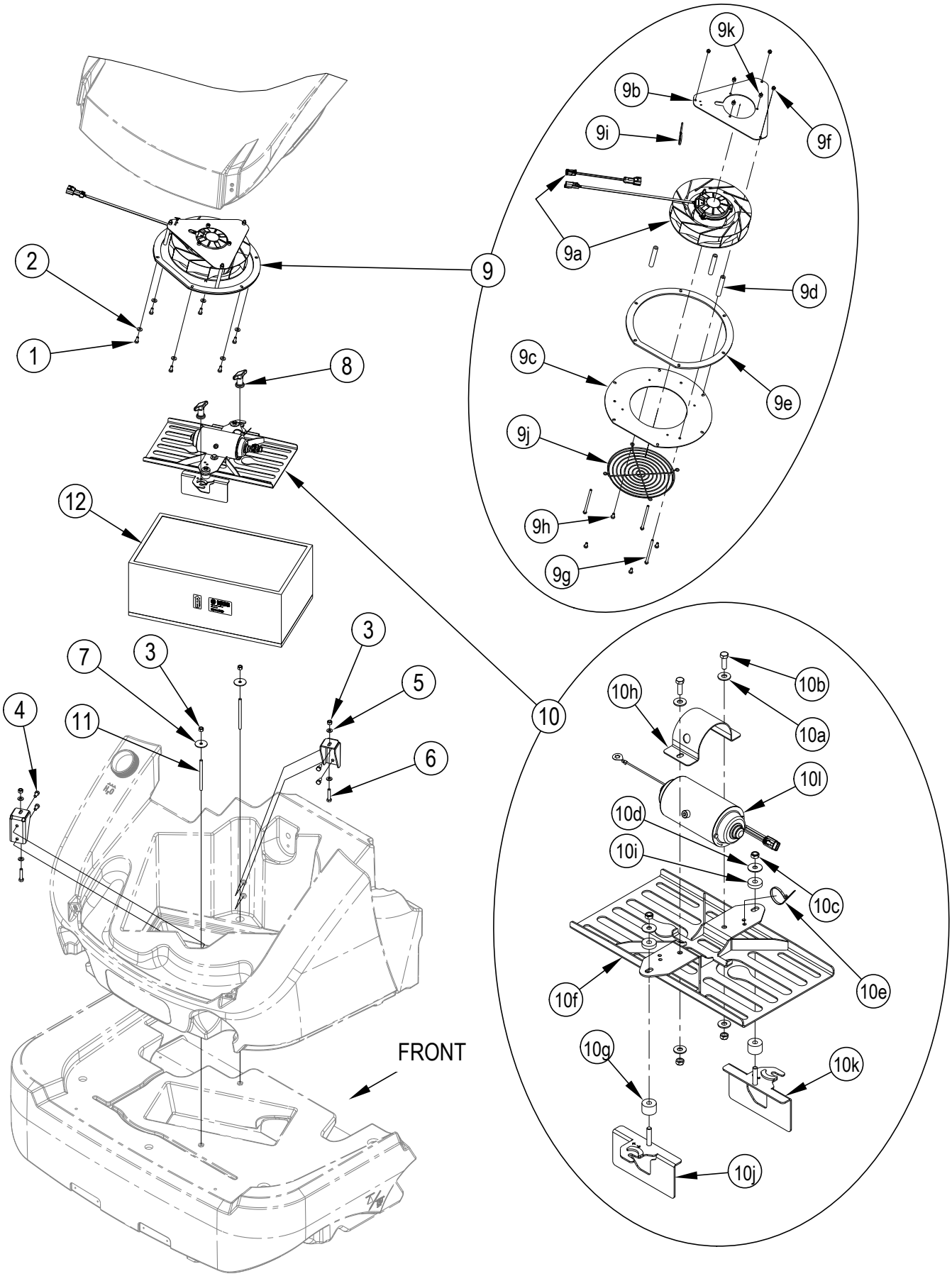
DECAL SYSTEM

Kit	Item	Ref. No.	Qty	Description
K1,K2	1		1	Decal-Caution
K1	2		1	Decal-LPG
K1,K2	3		1	Decal-Warning Broom
K1,K2	4		1	Decal, Warning Tip Over
K1	5		1	Decal-Warning Hot **(Gasoline-Petrol-LPG & Diesel)**
K1,K2	6		1	Decal-Advance
K1	7		1	Decal-Diesel Fuel
K1			1	Decal-Unleaded Fuel **(Gasoline-Petrol)**
K1	8		1	Decal-Low Sulfur Diesel
K1	9			Decal-Exhaust **(Gasoline-Petrol-LPG & Diesel)**
K1,K2	10		2	Decal-CS7010
K1,K2			2	Decal-CS7010 Ecoflex
K1,K2	11		1	Decal-Circuit Breaker
K1,K2	12		1	Decal-Contactor Power Module **(on panel behind recovery tank)**
K1	13		1	Decal-Battery Wiring **(Battery)**
K1	14		1	Decal-Swing Out Tank **(Diesel)**
K1,K2	15		1	Decal-Hopper Safety Support
K1	16		1	Decal-Battery Wiring
K1	17		1	Decal-Belt Removal Tool
K1	18	56510650	2	Decal-Hybrid Embossed **(Gasoline-Petrol-LPG & Diesel)**
K1		56510748	2	Decal-E Power Embossed **(Battery)**
K2			2	Decal-Fuel Cell Embossed **(Fuel Cell)**
K1,K2	19		1	Decal-Filter Shaker Hanger
K1,K2	20		1	Decal-Warning Hopper
K1,K2	21		1	Decal-Warning Hydraulic
K2	22		1	Decal-Fuel Cell
	23	56394259	1	Decal-Prop 65
	24	56394260	1	Decal-Prop 65 Diesel
	25	56511253	1	Label-Carb Epa
	26	56394264	1	Label-Epa Emissions-Diesel

Service Kits

K1	56511894	1	Decal Kit-Advance
K2	56511896	1	Decal Kit-Fuel Cell

DUST CONTROL SYSTEM



DUST CONTROL SYSTEM

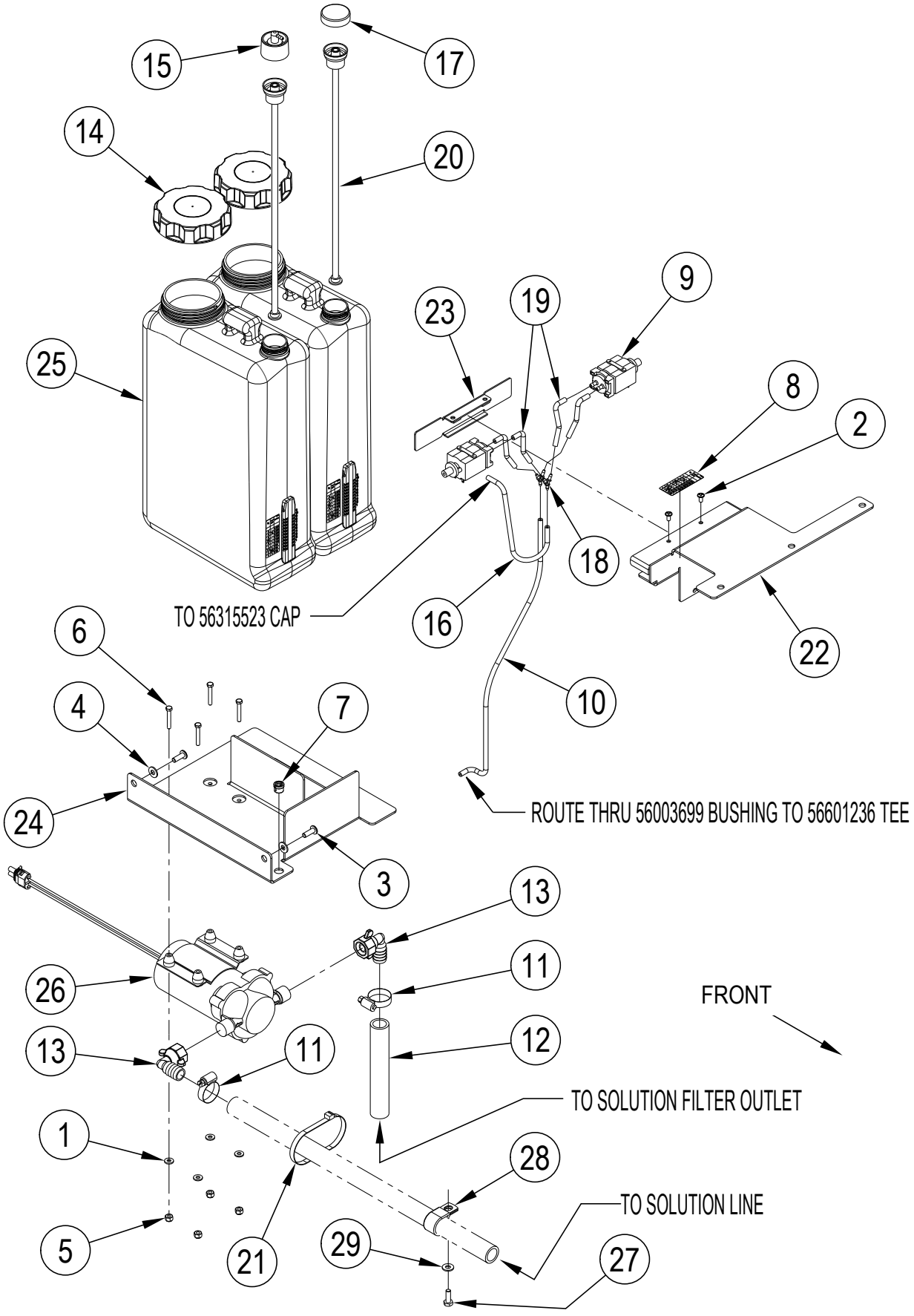
Kit	Item	Ref. No.	Qty	Description
K1	1		6	Scr, Hex 1/4-20 X .62
K1	2		6	Wsh, Flt SAE 1/4
K2,K3	3		4	Nut, Hex Nyl Loc SS 5/16-18
K2	4		4	Scr-Hex Loc SS 5/16-18 X .62
K2	5		4	Wsh-Flt SAE SS 5/16
K2	6		2	Scr- Hex Thd to Hd SS 5/16-18 X 1.75
K3	7		2	Wsh-Flt SS .344 X 1.500 X .080
	8	56370711	2	Nut Thumb
K1	9		1	Impeller Assy
K1	9a	56511926	1	Impeller/Adapter Cable Kit **M2**
K1	9b		1	Plate-Support
K1	9c		1	Plate-Impeller
K1	9d		3	Spacer-.44x.31x3.19
K1	9e	33023192	1	Gasket
K1	9f		3	Nut Hex Nyl Loc-Thin 1/4-20
K1	9g		3	Scr Hex 1/4-20 X 3.75
K1	9h		4	Scr, Hex Thd Form 1/4-20 X .50
K1	9i		1	Tie, Cable
K1	9j		1	Protection Grate
K1	9k		3	Nut-Hex Nyl Loc M6-1
	10	56509762	1	Filter Shaker Assy
	10a	56002220	4	Wsh, Flt Std 5/16
	10b	56002221	2	Scr, Hex 5/16-18 X 1.00
K4,K5	10c		4	Nut, Hex Nyl Loc-Thin 5/16-18
K5	10d		2	Wsh-Flt SS .33 X 1.00 X.060
K5	10e		1	Tie, Cable
K5	10f		1	Filter Shaker Weldt
K5	10g		2	Isolator
	10h	56510310	1	Clamp-Shaker Motor
K5	10i		2	Wsh-Rubber .34x1.00x.25
K5	10j		1	Filter Clamp Weldt
K5	10k		1	Filter Clamp Weldt
K4	10l		1	Motor-36vdc-Filter Shaker **M8**
	11	56510253	2	Rod-Threaded
	12	56510354	1	Filter-Rectangular Synthetic
K2	13		2	Bracket-Filter Tie Down

Service Kits

K1	56511923	1	Impeller Kit-Hopper
K2	56510779	1	Bracket Kit-Filter Tie Down
K3	56510783	1	Hardware Kit-Dust Control System
K4	56511367	1	Motor Kit-Shaker
K5	56510788	1	Filter Shaker Kit

* = Optional, Not Included

ECOFLEX™ ASSEMBLY



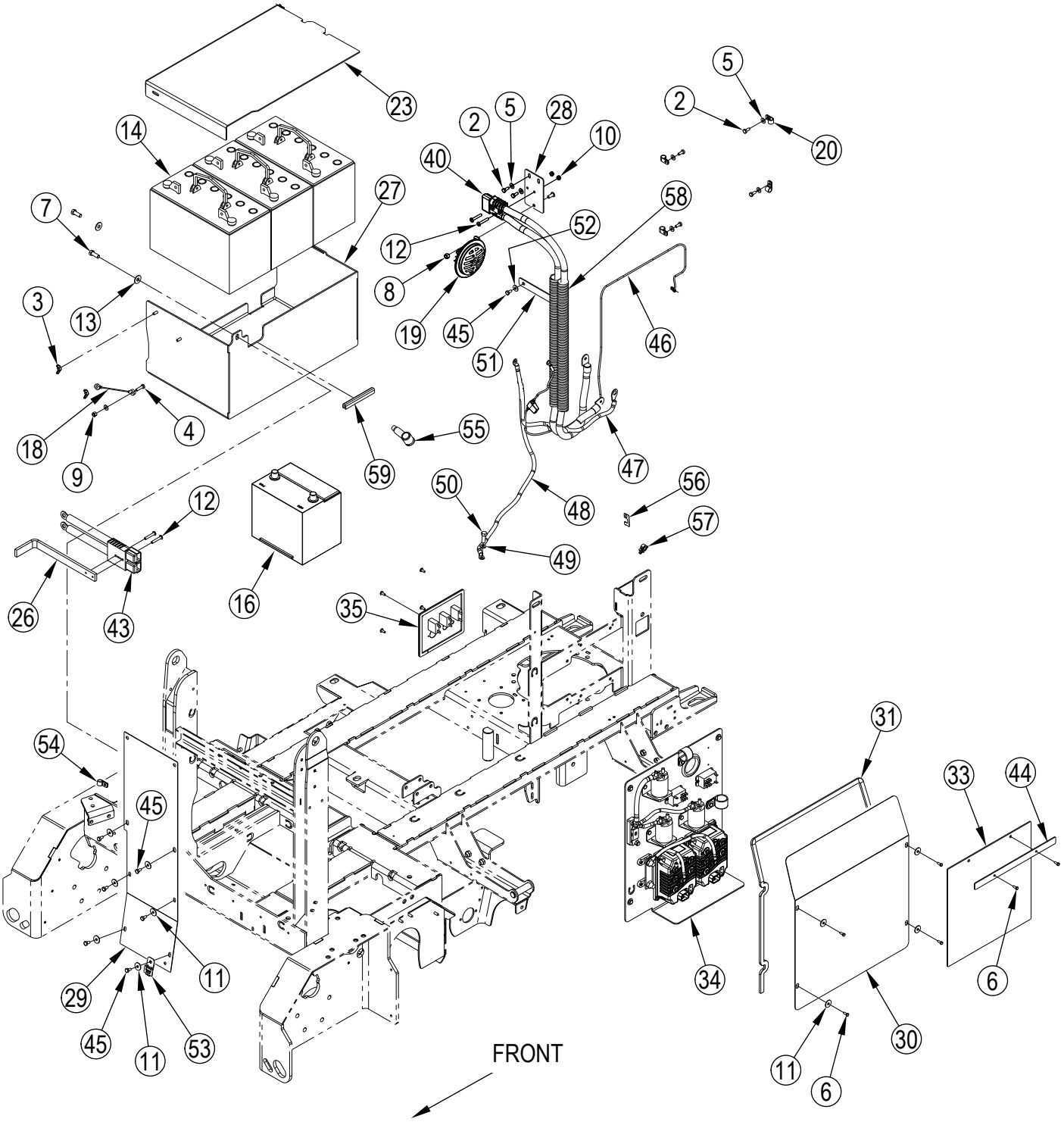
ECOFLEX™ ASSEMBLY

Kit	Item	Ref. No.	Qty	Description
		56511838	1	Onboard Chemical Assy **(1-26)**
K2	1		4	Wsh, Flt Sae #10
K2	2		2	Scr-Pan Phil 10-24 X .38
K2	3		2	Scr-Pan Phil 1/4-20 X .75
K2	4		3	Wsh, Flt Sae 1/4
K2	5		4	Nut, Hex Nyl Loc 10-24
K2	6		4	Scr-Hex 10-24 X 1.25
K2	7		1	Bushing, 1/4 Id Snub
K2	8		1	Decal-Chemical Ratio
K1	9		2	Pump, Detergent, 12v **M19 / M20**
K1	10		1	Hose 1/8 Id X 32 Lg
K3	11		2	Clamp- Hose Sae #12
K3	12		1	Hose, Spiral .750 X 6”
K3	13		2	Elbow Poly 1/2 X 3/4
K4	14		2	Cap Plastic F Chemical Tank
	15	56315523	1	Cap Dry Break 1/8 Barb
K1	16		1	Hose-Chemical Resistant-7.50
K4	17		1	Cap, 38mm Buttress
K1	18		2	Fitting, Y, Barb, .125
K1	19		4	Hose-Chem Resistant-5.00
K4	20		2	Insert, Dry Break
K3	21		1	Tie, Cable
K2	22		1	Pump Mnt Weldt
K2	23		1	Cover Weldt
K2	24		1	Pump Support Weldt
K4	25		2	Chemical Bottle Assy
	26	56511834	1	Pump-36vdc-Water **M23**
	27	56002155	1	Scr Hex 1/4-20 X .75
	28	56303651	1	Clamp P Cl-16
	29	56002098	1	Wsh Flt Sae 1/4

Service Kits

K1	56510888	1	Detergent Pump Kit
K2	56510889	1	Bracket / Hardware Kit
K3	56510891	1	Hose / Fitting Kit
K4	56510892	1	Chemical Bottle Kit

ELECTRICAL SYSTEM



ELECTRICAL SYSTEM

Kit	Item	Ref. No.	Qty	Description
K1	2		6	Scr-Hex 1/4-20 X .62
K1	3		2	Nut, Wing 1/4-20 **NOTE 2**
K1	4		1	Scr-Hex 1/4-20 X 1.00 **NOTE 2**
K1	5		7	Wsh, Flt Sae ¼ **NOTE 3**
K1	6		10	Scr-Hex 10-24 X .50
K1	7		2	Scr-Hex 3/8-16 X 1.00 **NOTE 2**
K1	8		1	Nut, Hex Nyl Loc 5/16-18
K1	9		1	Nut, Hex Nyl Loc 1/4-20 **NOTE 2**
K1	10		2	Nut, Hex Nyl Loc-Thin 1/4-20
K1	11		10	Wsh, Flt .266 X .906 X .060
K1	12		4	Scr-Pan Phil Loc 1/4-20 X 1.50
K1	13		2	Wsh-Flt .392x1.00x.075 **NOTE 2**
K2	14		3	Battery, Gel 12v 98 Ah **NOTE 2**
	[15]	56372673	6	Boot-Battery Post
	16	56380449	1	Battery-12v 45ah Wet **BT2 NOTE 2**
	[17]	56409485	2	Cable Assy-1 X 15.00
	18	56412344	1	Wire Rope Assy **NOTE 2**
	19	56394040	1	Horn-36v **H2**
	20	56323260	4	Clamp-P
	[22]	56509182	1	Cable Assy-Starter Battery
	23	56509738	1	Cover-Battery **NOTE 2**
	[24]	56510223	1	Cable-1 Awg X 29.25
	[25]	56510224	1	Cable-1 Awg X 26.50
	26	56510835	1	Bar-Elect Disconnect
	27	56511177	1	Battery Box Weldt **NOTE 2**
	28	56511215	1	Bracket-Connector Mount
	29	56511365	1	Panel-Cable Chaseway
	30	56511370	1	Cover-Electrical Compartment
	31	56383979	1	Gasket-Strip-59x.5x.25
	[32]	56394283	1	Harness-Main

Kit	Item	Ref. No.	Qty	Description
	33#	56511623	1	Curtain-Splash **NOTE 5**
	33#	56394636	1	Curtain-Splash **NOTE 6**
	34		1	Electrical Panel Assy **(see page 41)**
	35		1	Circuit Breaker Panel Assy **(see page 40)**
	[36]#	56511640	1	Harness-Hopper
	[37]	56394371	1	Harness-Engine Interface
	[39]	56394370	1	Harness-Recovery Tank
	40	56511645	1	Harness-Power
	[41]	56394361	1	Cable-1 Awg X 51.3
	[42]	56394362	1	Cable-1 Awg X 40.6
	43	56511646	1	Harness-Alternator
	44	56394206	1	Strap-Splash Curtain
	45	56001854	11	Scr Hex 1/4-20 X .50
	46	56511648	1	Harness-Engine Bonding
	47	56394106	1	Cable-4 Awg X 22.00 **NOTE 4**
	48	56394321	1	Cable-4 Awg X 34.00
	49	56001939	1	Wsh Flt Sae 5/16
	50	56002947	1	Scr Hex Loc 3/8-16 X 1.00
	51	56394207	1	Retainer-Harness
	52	56001906	1	Wsh Flt Std 1/4
	53	56111972	1	Clip-Connector
	54	56385491	1	Clamp P
	55	56493357	1	Insulator Terminal
	56	56384494	1	Clip-Mount-Tie Down
	57	56386407	1	Clip E00360
	58#	56394460	2	Conduit-Black
	59#	56507906	1	Trim, Edge

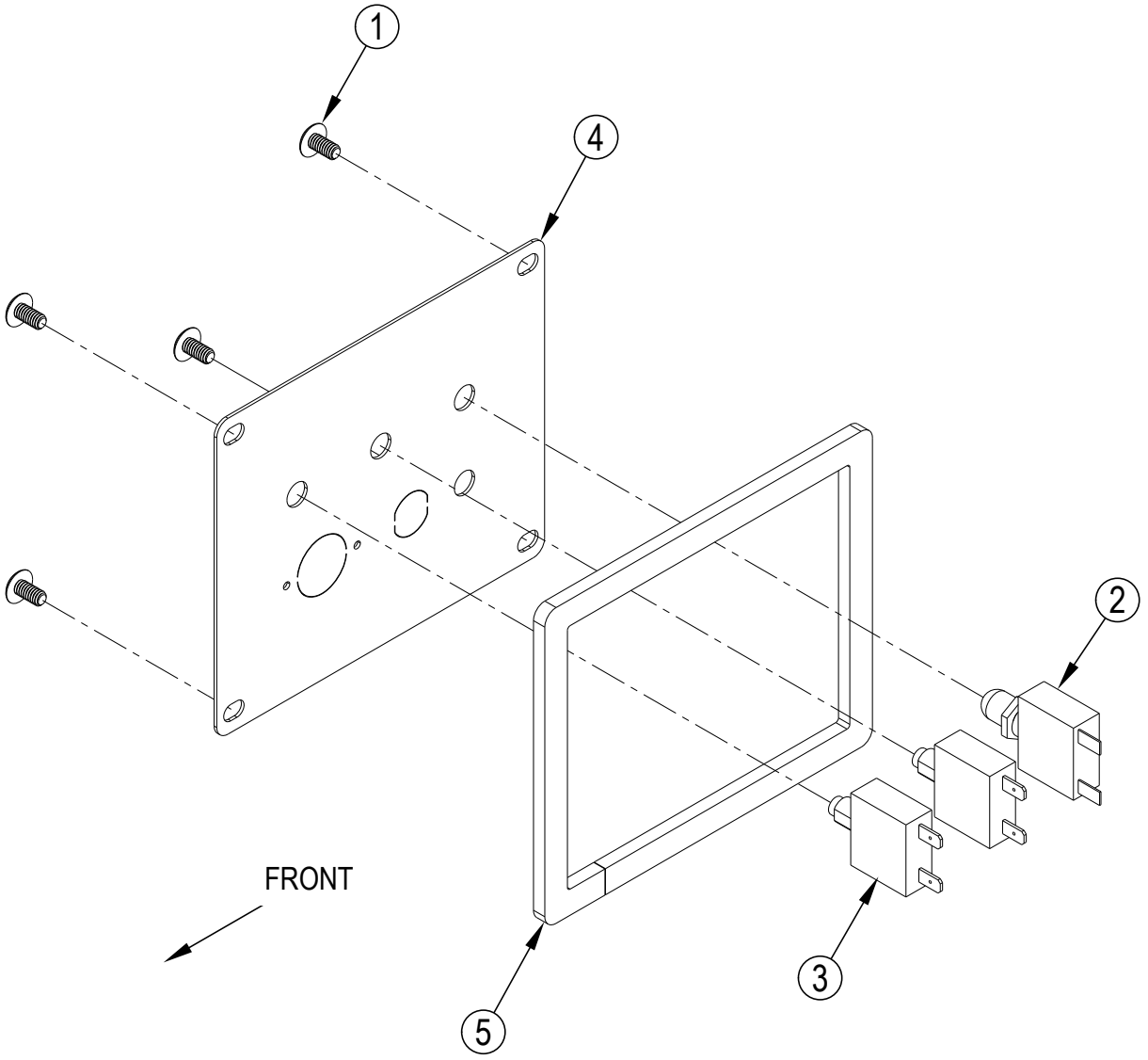
Service Kits

K1	56511885	1	Hardware Kit-Elect Sys
K2	56510781	1	Battery Kit-Elect Sys LPG / Diesel

= Revised or new since last update
[ ] = Not Shown

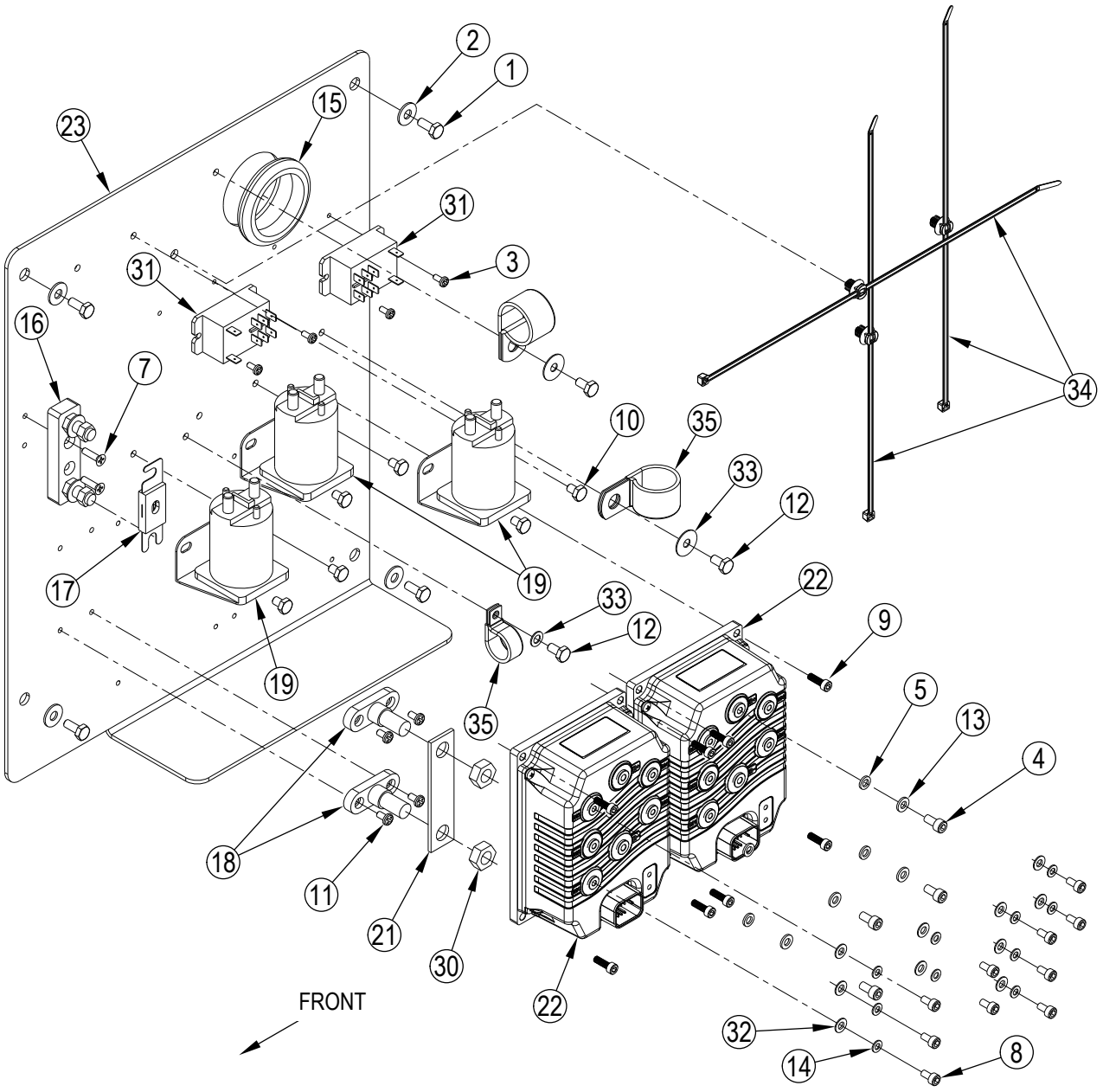
NOTE 1: These items are only used on diesel models.
NOTE 2: These items are only used on LPG and diesel models.
NOTE 3: Quantity of 6 on battery models.
NOTE 4: Order the Engine Bonding Cable Kit 56394111 when replacing the Engine Bonding Cable 56394106.
NOTE 5:# 5 Lug Traction Drive Gearbox and Drive Wheel used on machines before serial number 1000073661.
NOTE 6:# 7 Lug Traction Drive Gearbox and Drive Wheel used on machines after serial number 1000073660.

ELECTRICAL SYSTEM-CIRCUIT BREAKER PANEL ASSEMBLY



Kit	Item	Ref. No.	Qty	Description
	1	56001812	4	Scr Trss Phil 1/4-20 X .50 Blk
	2	56315255	1	Circuit Breaker, 5 Amp **SW11 / SW12**
	3	56509623	2	Circuit Breaker-25 Amp **CB2 / CB3**
	4	56394205	1	Panel-Circuit Breaker
	5	56510458	1	Gasket-Strip

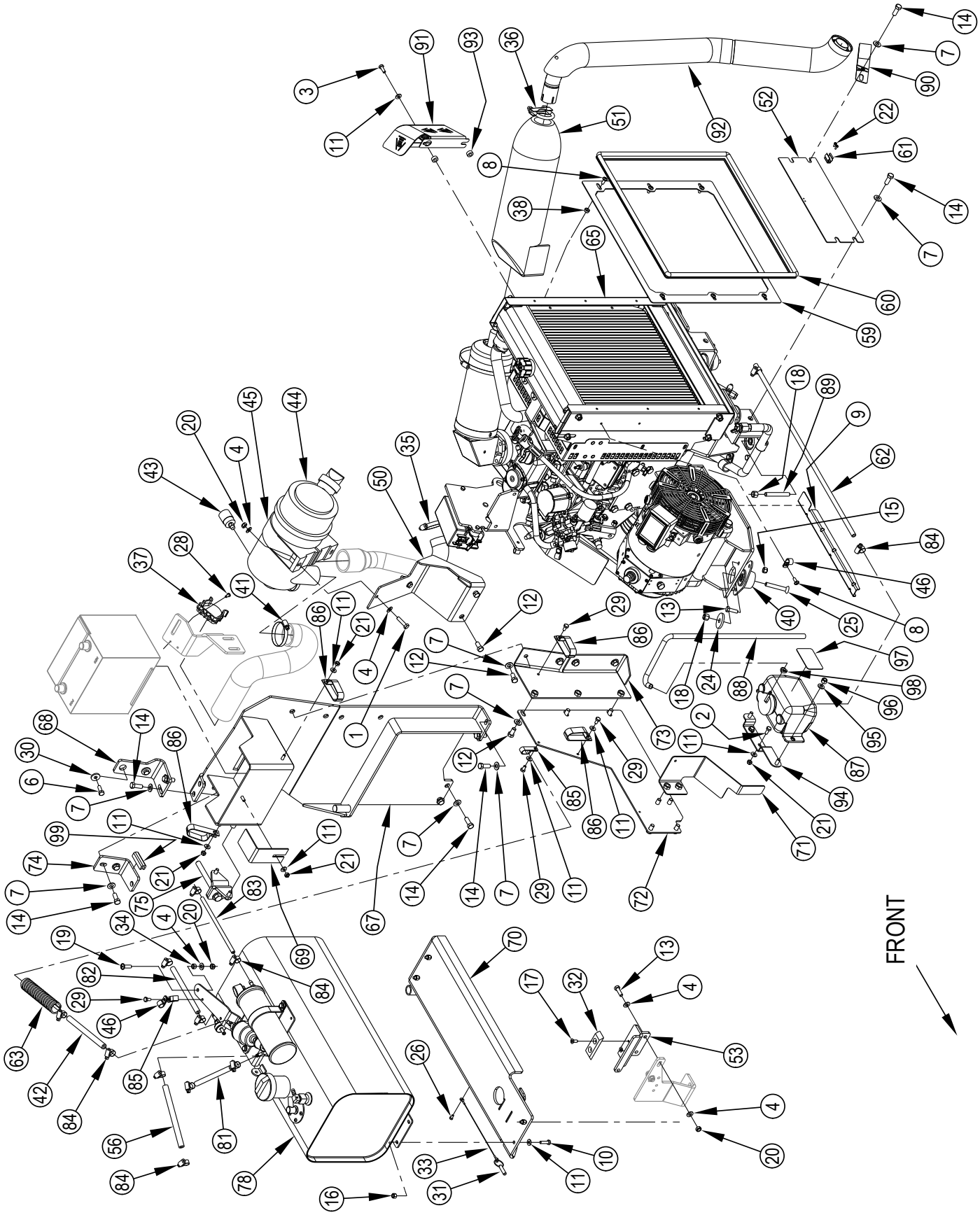
ELECTRICAL SYSTEM-CONTACTOR PANEL ASSEMBLY



Kit	Item	Ref. No.	Qty	Description
	1	56001836	4	Scr-Hex 1/4-20 x .62
	2	56001906	4	Wsh, Flt Std 1/4
	3	56002523	4	Scr, Pan Phil Thd Form 8-32 x .38
	4	56003357	4	Scr Soc Thd To Hd M6 x 12.0
	5	56003547	4	Wsh, Flt 6.4m X 11mm x 1.6mm
	7	56003681	2	Scr, Flt Phil Thd Form 10-24 x .75
	8	56004009	10	Scr Soc M5-0.8 x 10
	9	56003365	8	Scr Soc Hd M5 x 16.0
	10	56009019	6	Scr, Hex Thd Form 1/4-20 x .38
	11	56009030	4	Scr, Pan Phil Thd Form 10-24 x .38
	12	56009033	3	Scr, Hex Thd Form 1/4-20 x .50
	13	56009188	4	Wsh Int Shprf 6mm
	14	56009255	10	Wsh Int Shprf 5mm
	15	56262531	1	Grommet
	16	56303295	1	Fuse Block
	17	56303297	1	Fuse, 400 Amp **F1**
	18	56303298	2	Stud Type Junction Block

Kit	Item	Ref. No.	Qty	Description
	19	56395453	3	Contactor-36 Volt 200 Amp **K2 / K3 / K4**
	21	56510259	1	Bus Bar-Ground
	22	56511622	2	Module-Power **A3**
	23	56511634	1	Panel-Electrical
	[25]	56394359	1	Cable-6 Awg x 4.0
	[26]	56394360	1	Cable - 6 Awg x 10.0
	[27]	56511726	1	Cable-1 Awg x 9.00
	[28]	56394363	1	Cable-6 Awg x 8.2
	[29]	56394364	1	Cable-6 Awg x 14.3
	30	56009089	2	1/2-20 Hex Jam Nut
	31	40892A	2	Relay Dpdt 36vdc **K1 / K5**
	32	56001954	10	Wsh Flt SAE 10
	33	56003539	3	Wsh Flt .281 x .500 x .036
	34	56116611	3	Cable Tie-Mount
	35	56410097	3	Clamp P

ENGINE SYSTEM-GASOLINE-PETROL



ENGINE SYSTEM-GASOLINE-PETROL

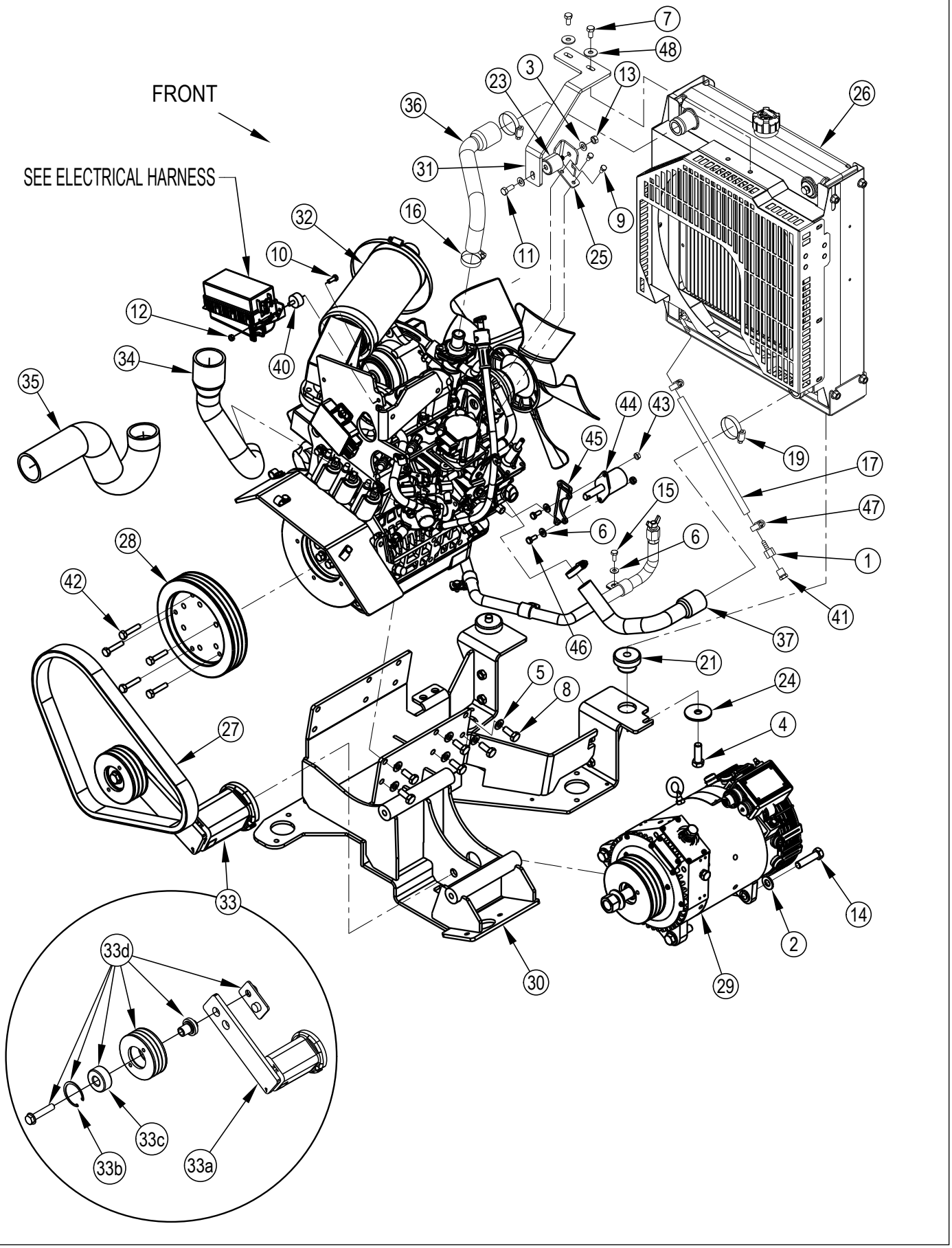
Kit	Item	Ref. No.	Qty	Description
K1	1		2	Scr-Hex 5/16-18 X 1.25
K1	2		2	Scr-Hex 1/4-20 X .62
K1	3		2	Scr Hex 1/4-20 X .75
K1	4		9	Wsh, Flt SAE 5/16
K1	6		2	Scr-Hex 5/16-18 X .88
K1	7		23	Wsh, Flt SAE 3/8
K1	8		7	Scr-Pan Phil 1/4-20 X .62
K2	9		1	Guard-Wire Harness
K1	10		4	Scr-Hex 1/4-20 X 1.00
K1	11		13	Wsh, Flt SAE 1/4
K1	12		13	Scr-Hex 3/8-16 X .75
K1	13		10	Scr-Hex 5/16-18 X 1.00
K1	14		12	Scr-Hex 3/8-16 X 1.00
K1	15		8	Nut, Hex Nyl Loc 5/16-18
K1	16		4	Nut, Hex Nyl Loc 1/4-20
K1	17		2	Scr-Flt Phil 1/4-20 X .62
K1	18		4	Nut-Hex Nyl Loc 3/8-16
K1	19		1	Scr-Pan Phil 5/16-18 X 1.00
K1	20		5	Nut, Hex Nyl Loc-Thin 5/16-18
K1	21		5	Nut, Hex Nyl Loc-Thin 1/4-20
K1	22		2	Scr-Pan Phil SS 6-32 X .38
K1	23			**DELETED**
K1	24		4	Wsh Flt Steel .406cv31c
K1	25		1	Scr-Flt Soc SS 3/8-16 X 2.50
K1	26		1	Scr, Hex Thd Form 10-24 X .38
K1	28		2	Scr, Pan Phil Thd Form 10-24 X .50
K1	29		4	Scr, Hex Thd Form 1/4-20 X .50
K1	30		2	Wsh, Flt .344 X .938 X .125
	31	56050356	1	Pin Quickrlse--.312dia .625l
	32	56110514	1	Skid
	33	56314400	1	Wire Rope, 9 Inch
	34	56320595	1	Bushing .32x.50x.28
	35	56329145	1	Clamp- Hose SAE #24
	36	56343236	1	Clamp, Muffler 1.50
	37	56396199	1	Clamp, Plastic
	38	56410057	6	Bushing, .26 Id X .50 Od
	40	56419300	4	Mount, Isolator, Stiff
	41	56440213	2	Clamp- Hose SAE #32
	42	56511254	1	Hose Fuel
	43	56478461	1	Indicator, Service
	44	56482478	1	Cleaner, Air
	[ ]	56482028	1	Filter Safety **(for 56482478)**
	[ ]	56482029	1	Filter Primary **(for 56482478)**
	45	56482621	1	Band Assy
	46	56486112	2	Clamp-P
	50	56510159	1	Air Cleaner Mnt Weldt
	51	56384176	1	Blanket-Catalytic Converter
	52	56510284	1	Plate-Guard
	53	56510295	1	Mount Weldt
	56	56306096	1	Hose Fuel
	59	56511915	1	Mount-Radiator Seal
	60	56510730	1	Trim-Seal
	61	56510834	1	Clip-Spring 1/2
	62	56510953	1	Hose-Black 1/4 Id X 25
	63	56419452	1	Conduit
	65		1	Petrol Engine Assy **(See pages 44 and 45)**
	67	56511118	1	Fuel Tank Support Weldt
	68	56511120	1	Bracket-Tank Support
	69	56511122	1	Holddown-Battery
	70	56511128	1	Tank Pivot Weldt
	71	56511141	1	Cable Guard Weldt
	72	56511142	1	Plate-Tank Guard
	73	56511143	1	Guard Mnt Weldt
	74	56511174	1	Bracket-Tank Pivot
	75	56511199	1	Belt Removal Tool
	78		1	Petrol Tank Assy **(See pages 48 and 49)**
	81	56511248	1	Hose-Fuel Line
	82	56511249	1	Hose-Fuel Line
	83	56511251	1	Hose-Fuel Line
	84	56756364	12	Clamp- Hose SAE #4
	85	56004073	2	Clamp-Double P-.562-Cdv0909z1
	86	2-00-05253	4	Clamp, 3/4" Wire, Double
	87	56394241	1	Bottle-Overflow
	88	7-33-02644	1	Hose, 1/4" Id X 28" Long, Clear
	89	56511500	3	Stud-Double Ended
	90	56511631	1	Hanger-Tailpipe
	91	56511919	1	Shield-Heat
	92	56511948	1	Exhaust Pipe Weldment-Petrol
	93	56511913	2	Spacer-Heat Sheild
	94	56394242	1	Bracket-Overflow Bottle
	95	56001939	11	Wsh Flt Sae 5/16
	96	56002701	10	Nut Hex Nyl Loc 5/16-18
	97	56015463	1	Decal Coolant Level
	98	56384956	1	Clamp-Hose
	99	56394369	1	Trim-Edge-.25x2.00

Service Kits

K1	56510795	1	Hardware Kit-Engine System LPG
K2	56384018	1	Wire Harness Guard Kit

[ ] = Not Shown

ENGINE ASSEMBLY-GASOLINE-PETROL



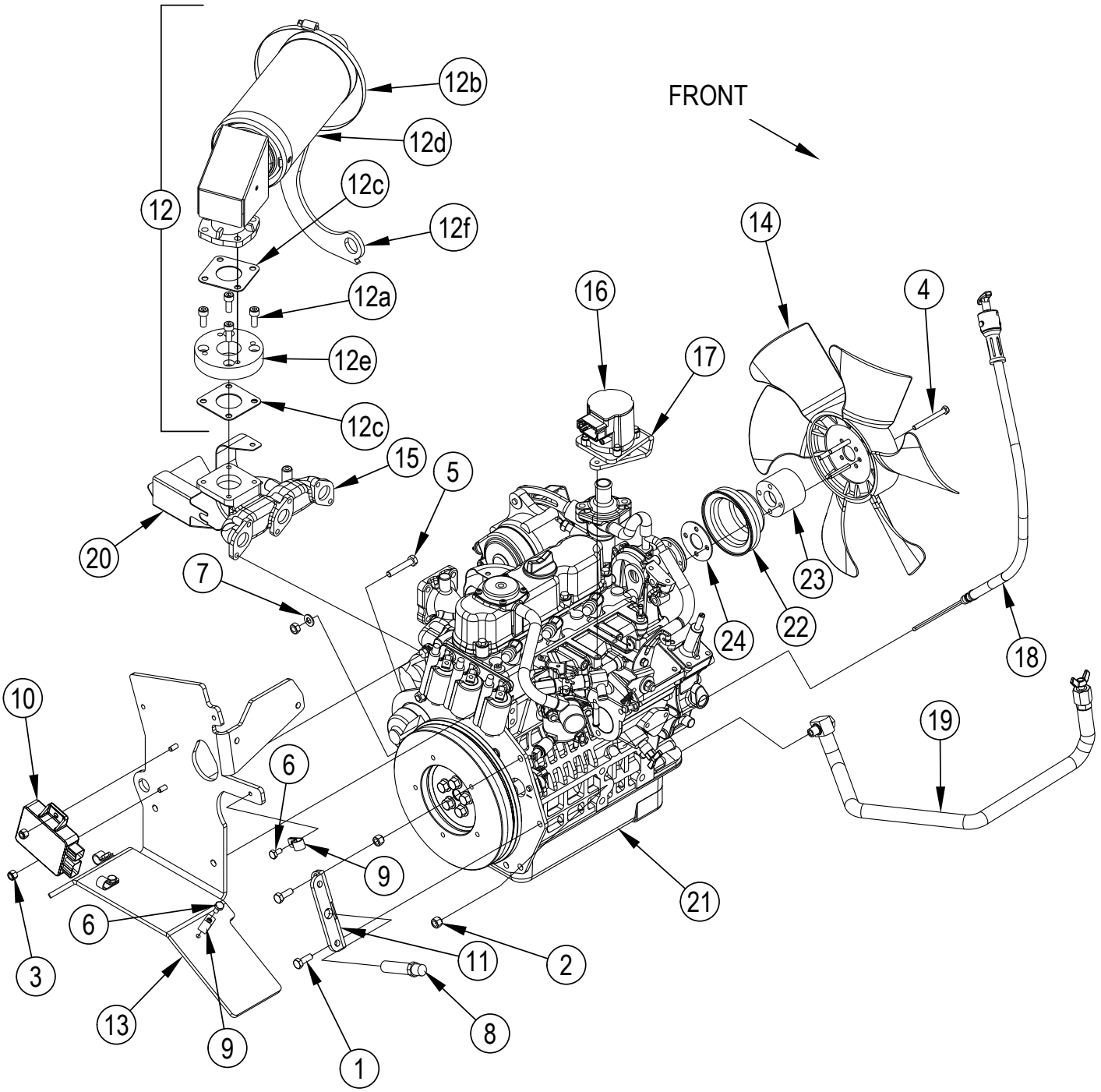
ENGINE ASSEMBLY-GASOLINE-PETROL

Kit	Item	Ref. No.	Qty	Description
	1	56756360	1	Barb, Hose Female
	2	56001879	3	Wsh-Flt SAE 1/2
	3	56001939	2	Wsh, Flt SAE 5/16
	4	56001968	2	Scr, Hex 1/2-13 X 1.50
	5	56009112	12	Wsh Int Shprf 3/8
	6	56002098	3	Wsh, Flt SAE 1/4
	7	56003431	2	Scr Hex Ss M6-1.00x16mm
	8	56003019	12	Scr-Hex M10-1.25 X 25mm
	9	56003155	2	Scr-Hex M6-1 X 12mm
	10	56003174	2	Scr, Hex Thd To Hd M6-1 X 16mm
	11	56003179	1	Scr, Hex Thd To Hd M8-1.25 X 20mm
	12	56003350	2	Nut, Hex M6-1
	13	56003352	1	Nut, Hex M8-1.25
	14	56003740	3	Scr, Hex Thd To Hd 1/2-13 X 2.00
	15	56009250	3	Scr, Hex Thd Form 1/4-20 X .62
	16	56131601	2	Clamp- Hose SAE #16
	17	56510958	1	Hose-Coolant
	19	56413839	2	Clamp- Hose SAE #20
	21	56478685	2	Mount, Rubber
	[22]	56504531	1	Harness-Ignition-Df-Wg972
	23	56507372	1	Isolator-Engine
	24	56507448	2	Washer, Isolator Tail
	25		1	Bracket, Upper Radiator Iso Mount
	26	56511908	1	Radiator-Lpg-Gas **NOTE 1 TSB-FC-2017-046**
	27	56509442	1	Belt-3vx X 45.0
	28	56509443	1	Sheave-3v X 8.00
	29	56511663	1	Alternator-42VDC-10KW **G1**
	[ ]	56511632	1	Sheave-3V x 5.00 **(for 56511663)**
	30	56509570	1	Eng/Alt Mnt Weldt
	31	56511911	1	Bracket-Radiator-Gas
	32		1	Petrol Engine Assy **(See pages 46 and 47)**
	33		1	Tensioner Assy
	33a	56509923	1	Tensioner-Automatic **(for Tensioner Assy)**
	33b	56003314	1	Ring Ret Int Type Ho 2.047 Dia **(for Tensioner Assy)**
	33c	56509716	1	Bearing (for Tensioner Assy)
	33d	56510854	1	Idler Pulley Kit **(for Tensioner Assy)**
	34	56510078	1	Hose-Air Cleaner
	35	56510090	1	Hose-Air Cleaner
	36	56510128	1	Hose-Radiator
	37	56510129	1	Hose-Radiator
	[38]	56511877	1	Harness-Kubota Df972
	40	56510718	2	Isolator-Relay Box
	41	56740136	1	Plug, Pipe
	42	56003361	5	Scr Hex Hd M8 X 35.0
	43	56002561	2	Nut Hex W/SHRPF 1/4/20
	44	56511222	1	Solenoid-Choke
	45	56511221	1	Bracket-Choke Solenoid
	46	56001836	2	Scr Hex 1/4-20 X .62
	47	56756364	2	Clamp Hose SAE 4
	48	56003638	2	Wsh Flt Ss M6

[ ] = Not Shown

NOTE 1: Please order Radiator Gas Kit 56511917 if you are replacing the Radiator 56509210 which has been obsoleted and replaced by Kit 56511917.

ENGINE SUB ASSEMBLY-GASOLINE-PETROL



ENGINE SUB ASSEMBLY-GASOLINE-PETROL

Kit	Item	Ref. No.	Qty	Description
	1	56002037	2	Scr-Hex 5/16-18 X .88
	2	56002701	2	Nut, Hex Nyl Loc 5/16-18
	3	56002708	2	Nut, Hex Nyl Loc 1/4-20
	4	56003169	4	Scr-Hex M6-1 X 60mm
	5	56003180	1	Scr, Hex Thd To Hd M8-1.25 X 25mm
	6	56009033	4	Scr, Hex Thd Form 1/4-20 X .50
	7	56009052	1	Wsh, Int Shprf 5/16
	8	56111319	1	Speed Sensor
	9	56486112	4	Clamp-P
	10	56508445	1	Spark Controller
	11	56509853	1	Bracket-Mag Pickup
	12		1	LPG Exhaust Assy
K1	12a		4	Scr-Soc Hd M8-1.25 X 20 Mm
	12b	56355488	1	Clamp- Hose SAE #96
K1	12c		2	Exhaust Gasket
	12d	56510163	1	Muffler-Cat
	12e	56510166	1	Spacer-Exhaust
	12f	56510177	1	Bracket-Support
	13	56509998	1	Coil Mount Weldt
	14	56510140	1	Fan-Cooling
	15	56510184	1	Manifold-Exhaust
	16	56510185	1	Governor-Controller
	17	56510186	1	Bracket-Governor Mnt
	18		1	Dipstick Assy
	19	56510200	1	Remote Oil Drain Assy
	20	56510349	1	Shield-Heat
	21	56510535	1	Engine-Kubota DF972 T3
	22	56510552	1	Pulley-Fan
	23	56510553	1	Spacer-Fan
	24	56510554	1	Spacer-Pulley

Engine Replacement Parts

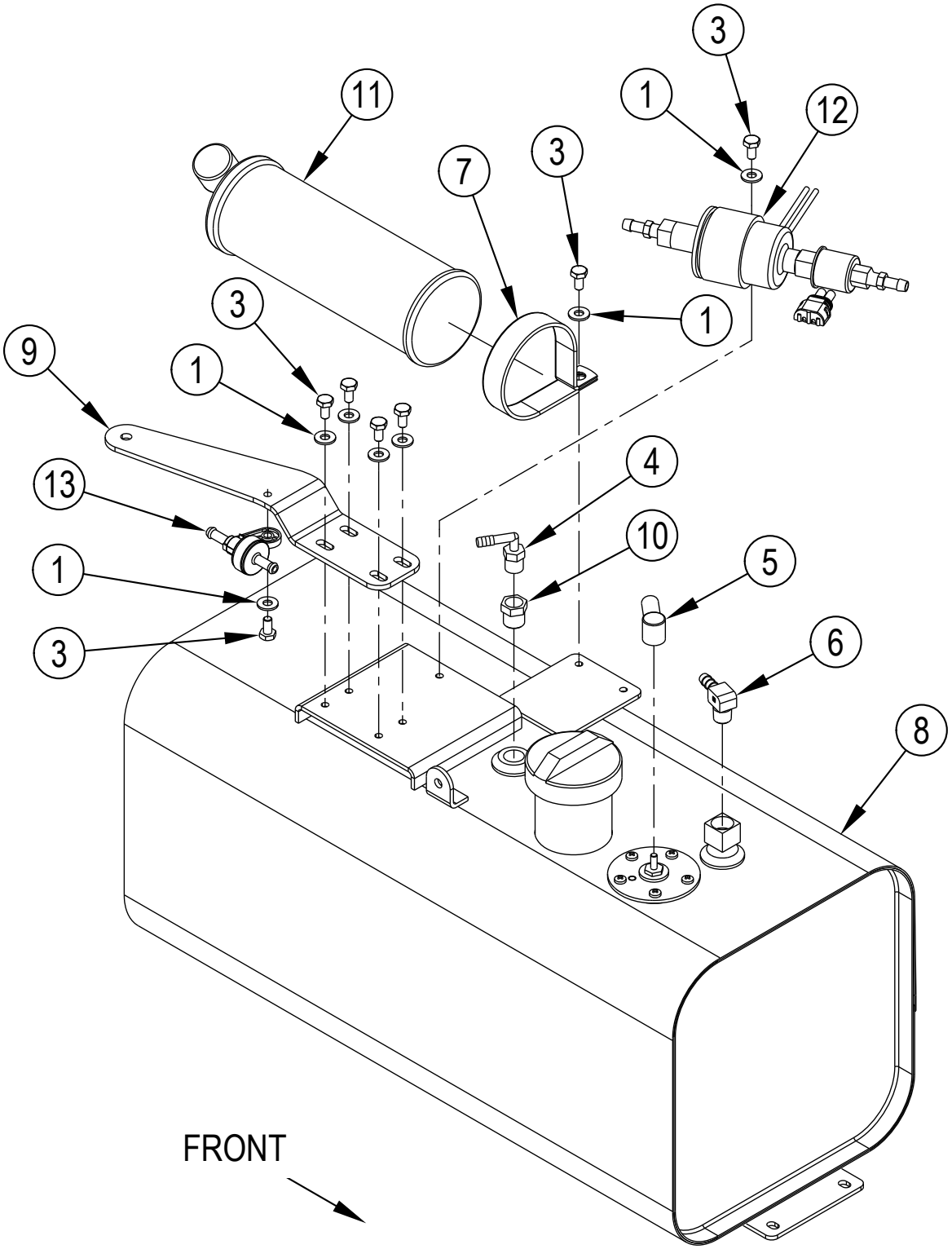
[ ]	56508454	1	Thermostat Kit
[ ]	56510185	1	Governor-Controller
[ ]	56383566	1	Linkage Kit-Governor
[ ]	56383567	1	Hardware Kit-Governor Mtg
[ ]	56511877	1	Harness-Kubota DF972
[ ]	56504531	1	Harness-Ignition-DF-WG972
[ ]	56508455	1	Plug Wire/Coil Kit **(3 Wires & 3 Caps)**
[ ]	56380493	1	Spark Plug Wire Kit- Cyl #1
[ ]	56380494	1	Spark Plug Wire Kit- Cyl #2
[ ]	56380495	1	Spark Plug Wire Kit- Cyl #3
[ ]	56508456	3	Spark Plug
[ ]	0775-295	1	Alternator W/Pulley **(40 Amp)**
[ ]	56508440	1	Starter Motor
[ ]	56419091	1	Switch, Temp
[ ]	56508457	1	Water Pump Assy
[ ]	56511572	1	Oil Filter Cartridge
[ ]	56510299	1	Dipstick-DF972
[ ]	56508459	1	Gasket, Exhaust **(Exhaust Manifold)**
[ ]	56419090	1	Oil Pressure Switch
[ ]	56510163	1	Muffler-Cat
[ ]	56510629	1	Belt, Fan/Alternator
[ ]	56510128	1	Hose-Radiator **(Upper)**
[ ]	56510129	1	Hose-Radiator **(Lower)**
[ ]	56510078	1	Hose-Air Cleaner **(Air Cleaner To Intake)**
[ ]	56510090	1	Hose-Air Cleaner **(Air Cleaner Inlet)**
[ ]	56504429	1	Relay-Engine Power
[ ]	56504518	1	Relay-Fuel Pump
[ ]	50360A	1	Adapter, 1/8 Bspm X 1/8 Nptf
[ ]	56510976	1	Gasket Set-Upper WG972
[ ]	56510977	1	Gasket Set-Lower WG972
[ ]	56510978	1	Bracket-Alternator Adj
[ ]	56510979	1	Pulley-Crankshaft
[ ]	56510980	1	Housing-Thermostat
[ ]	56510981	1	Carburetor-WG972
[ ]	56504527	1	Gasket-Valve Cover-DF972
[ ]	56510971	1	Pulley-Alternator
[ ]	56482028	1	Filter Safety
[ ]	56482029	1	Filter Primary
[ ]	56383025	1	Cap-Oil Fill
[ ]	56508355	1	Fuel Pump Electronic
[ ]	56511234	1	Evaporative Canister
[ ]	56511244	1	Check Valve-Petrol Assy
[ ]	56508354	1	Fuel Cap
[ ]	56510613	1	Sender-Fuel Level
[ ]	56510614	1	Tube-Fuel Withdrawl
[ ]	56511914	1	Radiator Cap

Service Kits

K1	56384867	1	Exhaust Gasket Kit **(includes four Hex Head Bolts not shown)**

[ ] = Not Shown

GASOLINE-PETROL TANK ASSEMBLY

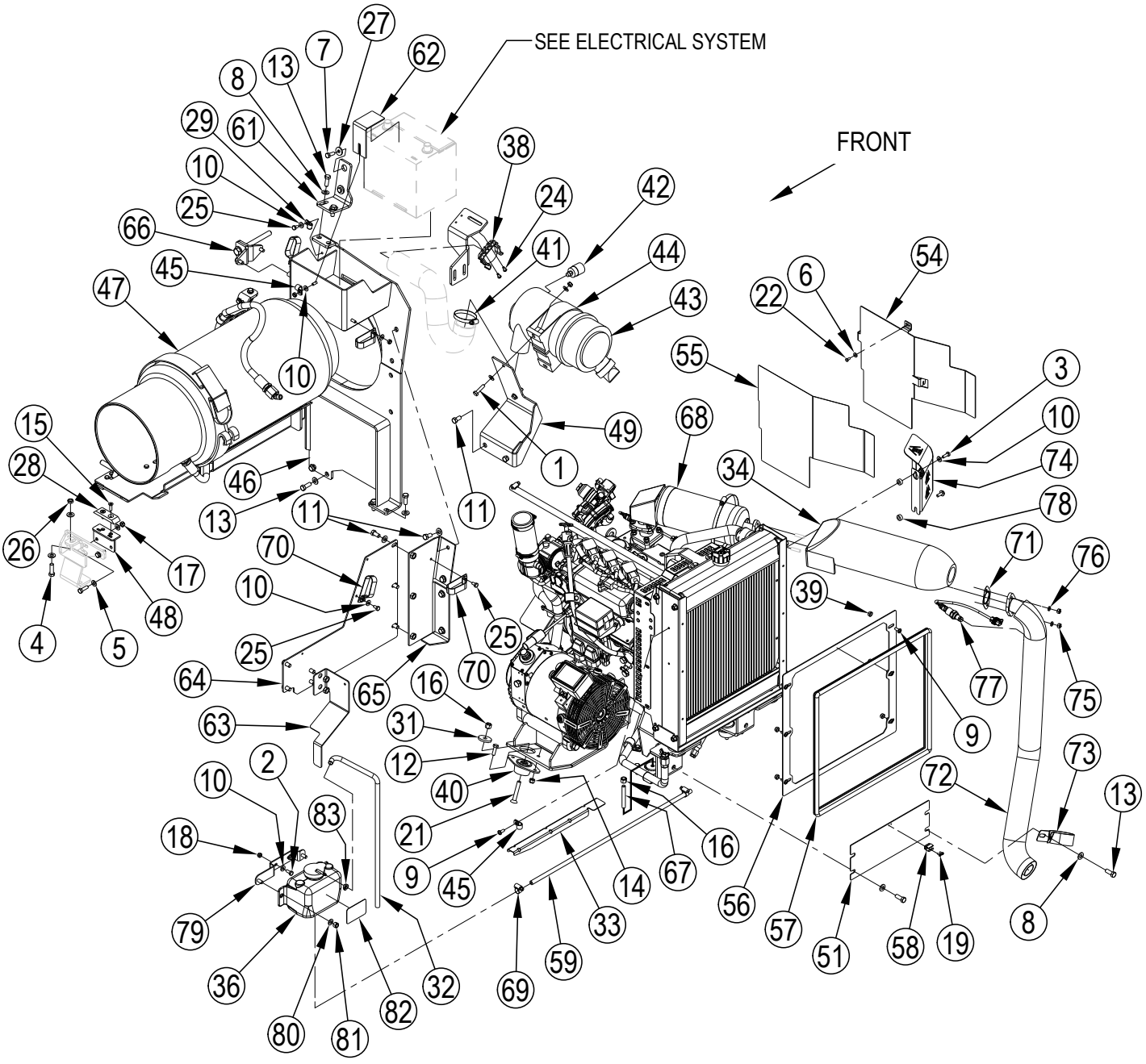


GASOLINE-PETROL TANK ASSEMBLY

Kit	Item	Ref. No.	Qty	Description
	1	56002098	7	Wsh, Flt SAE 1/4
	3	56009033	7	Scr, Hex Thd Form 1/4-20 X .50
	4	56470138	1	Barb, 90 Elbow 1/4 X 1/4npt
	5	56492305	1	Boot, Rubber
	6	56510495	1	Barb-90 Elbow 5/16 X 1/4npt
	7	56409463	1	P-Clamp
	8	56511235	1	Fuel Tank Assembly
	9	56511247	1	Bracket-Tank Support
	10	56750363	1	Bushing, 3/8 Npt - 1/4 Npt
	11	56511234	1	Evaporative Canister
	12	56511864	1	Fuel Pump Electronic **M25**
	[ ]	56384497	2	Gasket-Fuel Pump-6.50
	13	56511244	1	Check Valve-Petrol Assy
	[ ]	56508354	1	Fuel Cap
	[ ]	56511257	1	Sender-Fuel Level **R1**
	[ ]	56511255	1	Tube-Fuel Withdrawl

[ ] = Not Shown

ENGINE SYSTEM-LPG LEV



ENGINE SYSTEM-LPG LEV

Kit	Item	Ref. No.	Qty	Description
K1	1		2	Scr-Hex 5/16-18 X 1.25
K1	2		2	Scr-Hex 1/4-20 X .62
K1	3		2	Scr Hex 1/4-20 X .75
K1	4		1	Scr-Hex 3/8-16 X 1.25
K1	5		8	Wsh, Flt Sae 5/16
K1	6		1	Wsh, Flt Sae #10
K1	7		2	Scr-Hex 5/16-18 X .88
K1	8		23	Wsh, Flt Sae 3/8
K1	9		7	Scr-Pan Phil 1/4-20 X .62
K1	10		8	Wsh, Flt Sae 1/4
K1	11		13	Scr-Hex 3/8-16 X .75
K1	12		10	Scr-Hex 5/16-18 X 1.00
K1	13		10	Scr-Hex 3/8-16 X 1.00
K1	14		8	Nut, Hex Nyl Loc 5/16-18
K1	15		2	Scr-Flt Phil 1/4-20 X .88
K1	16		4	Nut-Hex Nyl Loc 3/8-16
K1	17		4	Nut, Hex Nyl Loc-Thin 5/16-18
K1	18		5	Nut, Hex Nyl Loc-Thin 1/4-20
	19	56002909	2	Scr-Pan Phil Ss 6-32 X .38
K1	21		1	Scr-Flt Soc Ss 3/8-16 X 2.50
K1	22		1	Scr, Hex Thd Form 10-24 X .38
K1	24		2	Scr, Pan Phil Thd Form 10-24 X .50
K1	25		2	Scr, Hex Thd Form 1/4-20 X .50
K1	26		1	Nut-Hex Jam 3/8-16
K1	27		2	Wsh, Flt .344 X .938 X .125
	28	56110514	1	Skid
	29	56323260	1	Clamp, Hose Support
	31	56367117	4	Wsh, Flt .406 X 1.5 X .1875
	32	7-33-02644	1	Hose, 1/4" Id X 28" Long, Clear
K2	33		1	Guard-Wire Harness
	34	56384176	1	Blanket-Catalytic Converter
	36	56394241	1	Bottle-Overflow
	38	56396199	1	Clamp, Plastic
	39	56410057	6	Bushing, .26 Id X .50 Od
	40	56419300	4	Mount, Isolator, Stiff
	41	56440213	1	Clamp- Hose Sae #32
	42	56478461	1	Indicator, Service
	43	56482478	1	Cleaner, Air
	[ ]	56482028	1	Filter Safety **(for 56482478)**
	[ ]	56482029	1	Filter Primary **(for 56482478)**

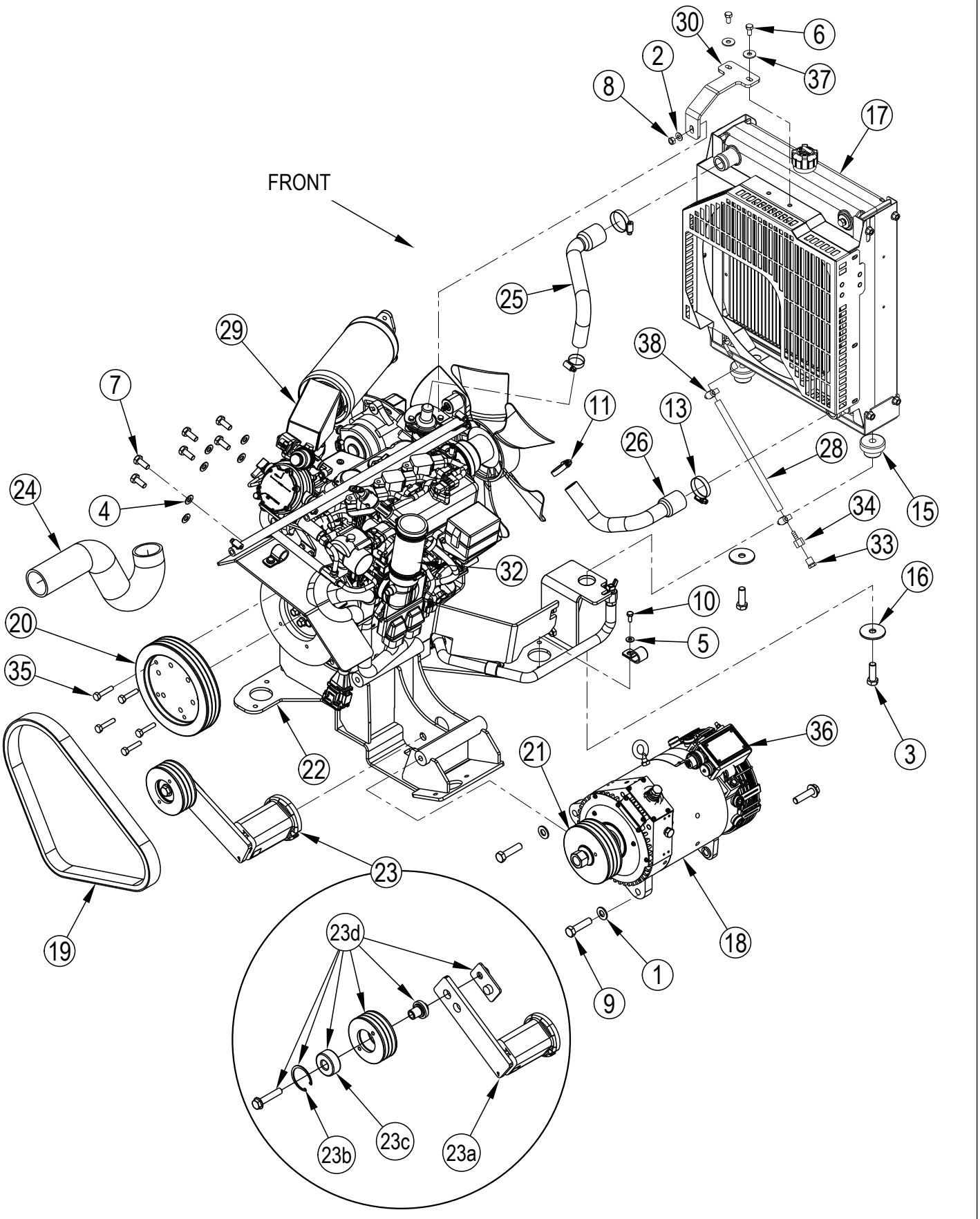
Kit	Item	Ref. No.	Qty	Description
	44	56482621	1	Band Assy
	45	56486112	2	Clamp-P
	46	56509741	1	Lpg Tank Support Weldt
	47		1	Lp Fuel Tank Assy **(See pages 58 and 59)**
	48	56510098	1	Tank Mnt Weldt
	49	56510159	1	Air Cleaner Mnt Weldt
	51	56510284	1	Plate-Guard
	54	56510652	1	Shield-Heat-Muffler
	55	56510714	1	Foam Insulation
	56	56511915	1	Mount-Radiator Seal
	57	56510730	1	Trim-Seal
	58	56510834	1	Clip-Spring 1/2
	59	56510953	1	Hose-Black 1/4 Id X 25
	61	56511120	1	Bracket-Tank Support
	62	56511122	1	Holddown-Battery
	63	56511141	1	Cable Guard Weldt
	64	56511142	1	Plate-Tank Guard
	65	56511143	1	Guard Mnt Weldt
	66	56511199	1	Belt Removal Tool
	67	56511500	3	Stud-Double Ended
	68		1	Power Unit-LPG LEV **(See pages 52 and 53)**
	69	56756364	2	Clamp- Hose Sae #4
	70	2-00-05253	3	Clamp, 3/4" Wire, Double
	71	56511521	1	Gasket-Tail Pipe
	72	56511947	1	Exhaust Pipe Weldment
	73	56511631	1	Hanger-Tailpipe
	74	56511919	1	Shield-Heat
	75	56003352	2	Nut Hex M8
	76	56003685	2	Washer Nord-Loc M8
	77	56511522	1	Sensor-Oxygen-Wg972 Eng
	78	56511913	2	Spacer-Heat Sheild
	79	56394242	1	Bracket-Overflow Bottle
	80	56001939	11	Wsh Flt Sae 5/16
	81	56002701	10	Nut Hex Nyl Loc 5/16-18
	82	56015463	1	Decal Coolant Level
	83	56384956	1	Clamp-Hose

Service Kits

K1	56510795	1	Hardware Kit-Engine System LPG
K2	56384018	1	Wire Harness Guard Kit

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POWER UNIT-LPG LEV



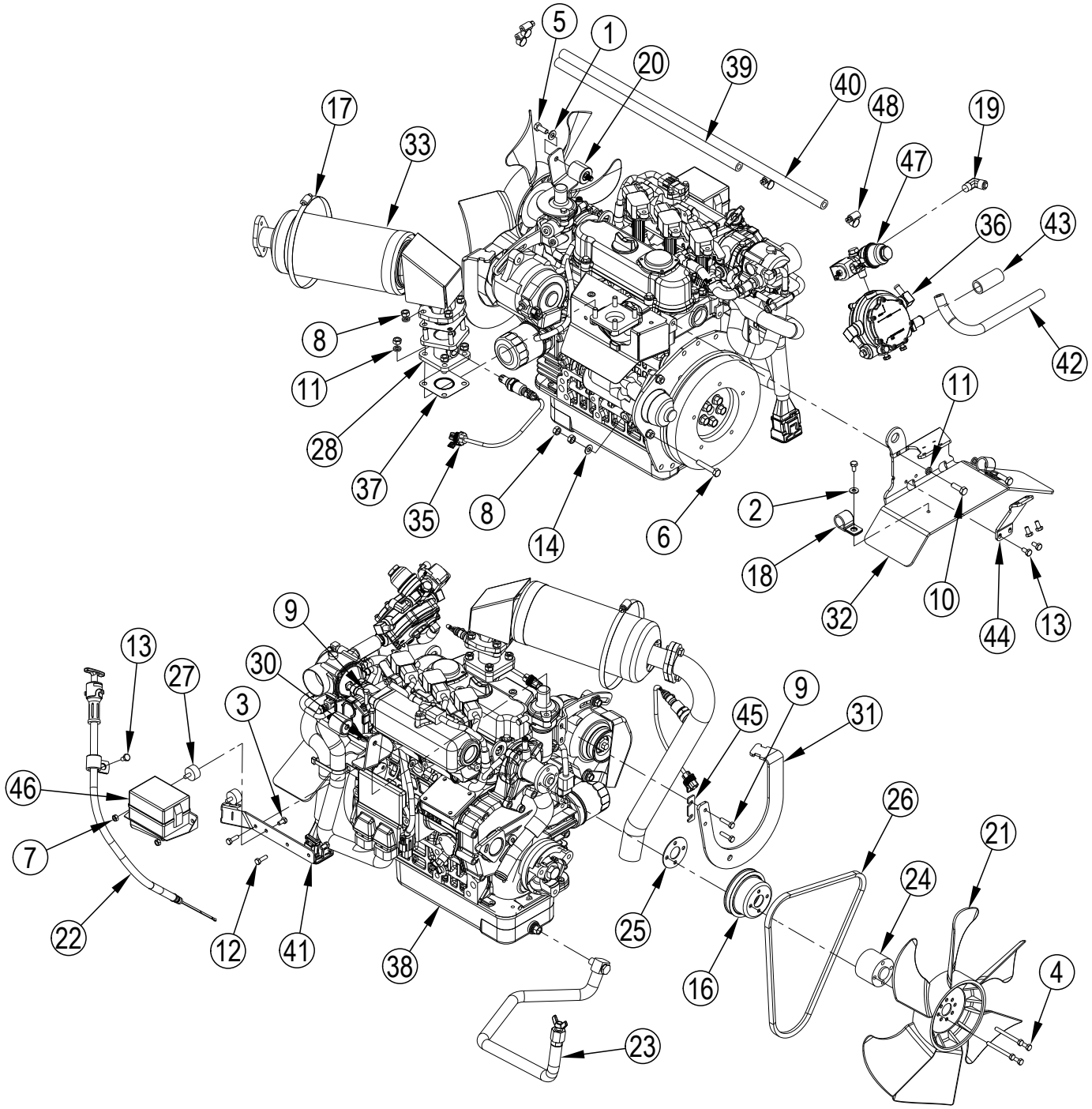
POWER UNIT-LPG LEV

Kit	Item	Ref. No.	Qty	Description
	1	56001879	3	Wsh-Flt Sae 1/2
	2	56001939	1	Wsh, Flt Sae 5/16
	3	56001968	2	Scr-Hex 1/2-13 X 1.50
	4	56002063	12	Wsh, Flt Sae 3/8
	5	56002098	3	Wsh, Flt Sae 1/4
	6	56003431	2	Scr Hex Ss M6-1.00x16mm
	7	56003019	12	Scr-Hex M10-1.25 X 25mm
	8	56003352	1	Nut-Hex M8-1.25
	9	56003740	3	Scr, Hex Thd To Hd 1/2-13 X 2.00
	10	56009250	3	Scr, Hex Thd Form 1/4-20 X .62
	11	56244969	2	Clamp- Hose Sae #12
	13	56413839	2	Clamp- Hose Sae #20
	15	56478685	2	Mount, Rubber
	16	56507448	2	Washer, Isolator Tail
	17	56511908	1	Radiator **NOTE 1 TSB-FC-2017-046**
	18	56511663	1	Alternator-42v **G1**
	[ ]	56511632	1	Sheave-3V x 5.00 **(for 56511663 in LPG)**
	19	56509442	1	Belt-3vx X 45.0
	20	56509443	1	Sheave-3v X 8.00
	21	56511632	1	Sheave-3v X 5.00
	22	56509570	1	Eng/Alt Mnt Weldt
	23		1	Tensioner Assy
	23a	56509923	1	Tensioner-Automatic **(for Tensioner Assy)**
	23b	56003314	1	Ring Ret Int Type Ho 2.047 Dia **(for Tensioner Assy)**
	23c	56509716	1	Bearing **(for Tensioner Assy)**
	23d	56510854	1	Idler Pulley Kit **(for Tensioner Assy)**
	24	56510090	1	Hose-Air Cleaner
	25	56510128	1	Hose-Radiator
	26	56510129	1	Hose-Radiator
	28	56510958	1	Hose-Coolant
	29		1	Engine Assembly-Lpg Lev **(See pages 54 and 55)**
	30	56511910	1	Bracke-Radiator Support
	32	56511520	1	Hose Assembly-Intake
	33	56740136	1	Plug, Pipe
	34	56756360	1	Barb,Hose Female
	35	2-00-06532	5	Hhc, M8 X 1.25 X 40mm
	36	56383568	1	Voltage Regulator Kit-42v
	37	56003638	2	Wsh Flt Ss M6
	38	56756364	2	Clamp Hose Sae 4 E00047

[ ] = Not Shown

NOTE 1: Please order Radiator LPG Kit 56511916 if you are replacing the Radiator 56509210 which has been obsoleted and replaced by Kit 56511916.

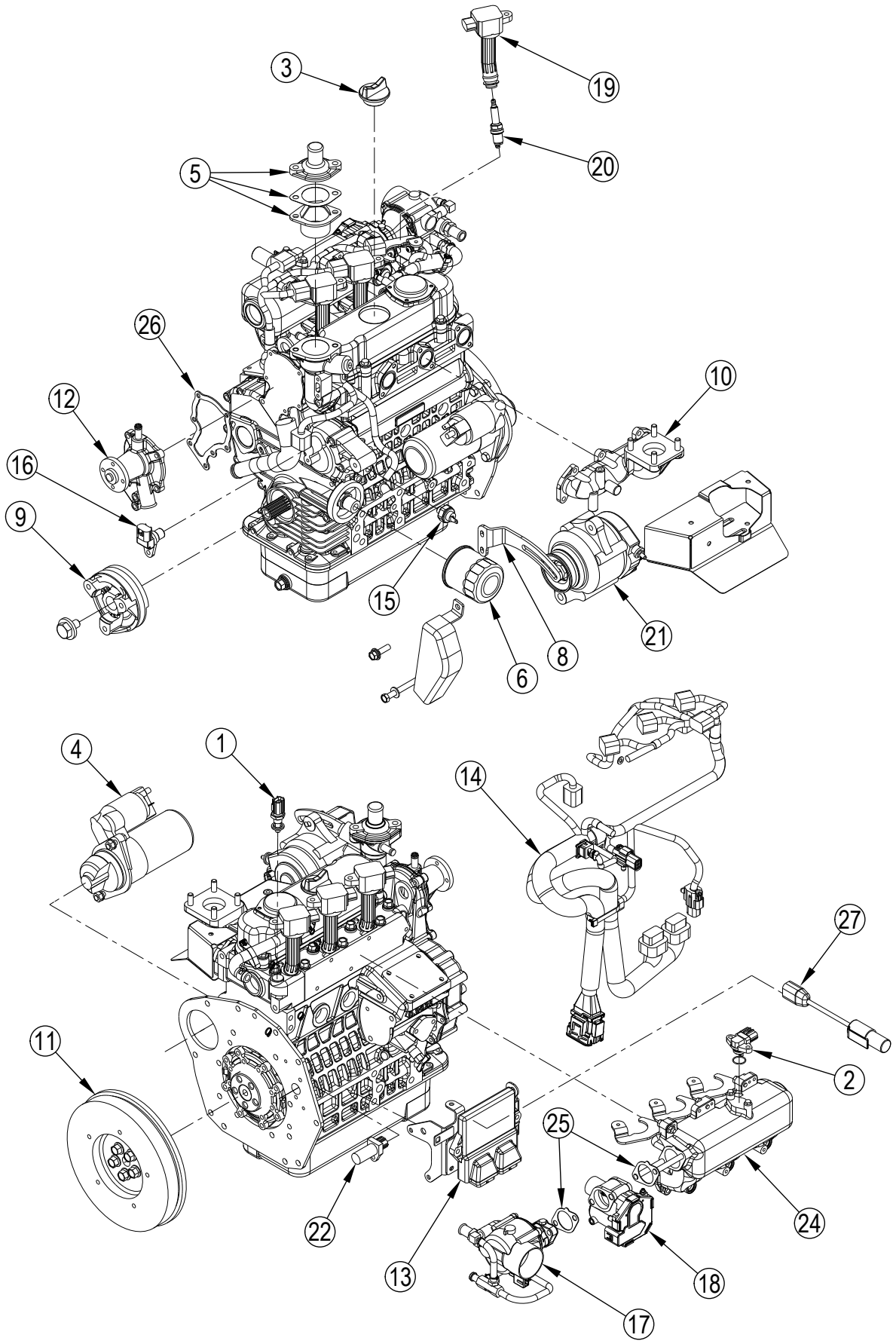
ENGINE ASSEMBLY-LPG LEV



ENGINE ASSEMBLY-LPG LEV

Kit	Item	Ref. No.	Qty	Description
	1	56001939	1	Wsh, Flt Sae 5/16
	2	56002098	2	Wsh, Flt Sae 1/4
	3	56003155	2	Scr-Hex M6-1 X 12mm
	4	56003169	4	Scr-Hex M6-1 X 60mm
	5	56003179	1	Scr, Hex Thd To Hd M8-1.25 X 20mm
	6		1	Scr, Hex Thd To Hd M8-1.25 X 45mm
	7	56003350	2	Nut-Hex M6-1
	8	56003352	11	Nut-Hex M8-1.25
	9	56003358	4	Scr-Hex M6-1 X 25mm
	10	56003477	2	Scr-Hex Loc Ss M8-1 X 25mm
	11	56003685	10	Wsh, Nord-Lock M8
	12	56003841	2	Scr-Hex Loc Ss M6-1 X 20mm
	13	56009033	7	Scr, Hex Thd Form 1/4-20 X .50
	14	56009052	2	Wsh, Int Shprf 5/16
	16	56307249	1	Pulley, Fan (89mm)
	17	56355488	1	Clamp- Hose Sae #96
	19	56456608	1	Elbow-Male 90
	20	56507372	1	Isolator-Engine
	21	56510140	1	Fan-Cooling
	22		1	Dipstick Assy
	23	56510200	1	Remote Oil Drain Assy
	24	56510553	1	Spacer-Fan
	25	56510554	1	Spacer-Pulley
	26	56511577	1	Belt-Fan-34.75 Od
	27	56510718	2	Isolator-Relay Box
	28	56511504	1	O2 Sensor Adaptor Weldment
	30	56511514	1	Bracket-Radiator Mount
	31	56511516	1	Bracket-Muffler Support
	32	56511517	1	Bracket-Mount-Lp Regulator
	33	56511518	1	Muffler-Catalytic
	35	56511522	1	Sensor-Oxygen-WG972 Eng
	36	56511523	1	Regulator-Lp Gas
	37	56511524	2	Gasket-Exhaust
	38		1	Engine-Base Lpg WG972 **(See pages 56 and 57)**
	39	56511526	1	Hose-Coolant-3/8x11/16x18
	40	56511527	1	Hose-Coolant-3/8x11/16x26
	41	56511528	1	Bracket-Support-Dipstick
	42	56511529	1	Hose-Regulator Trim
	43	56511530	1	Hose-Lpg Vapor
	44	56511542	1	Bracket-Brace-Mount
	45	56511543	1	Shim-Muffler Support
	46	56511562	1	Harness-Engine-Intermediate
	47	56511563	1	Valve-Lpg Lockoff-12v
	48	56756364	4	Clamp- Hose Sae #4

ENGINE BASE-REPLACEMENT PARTS-LPG LEV

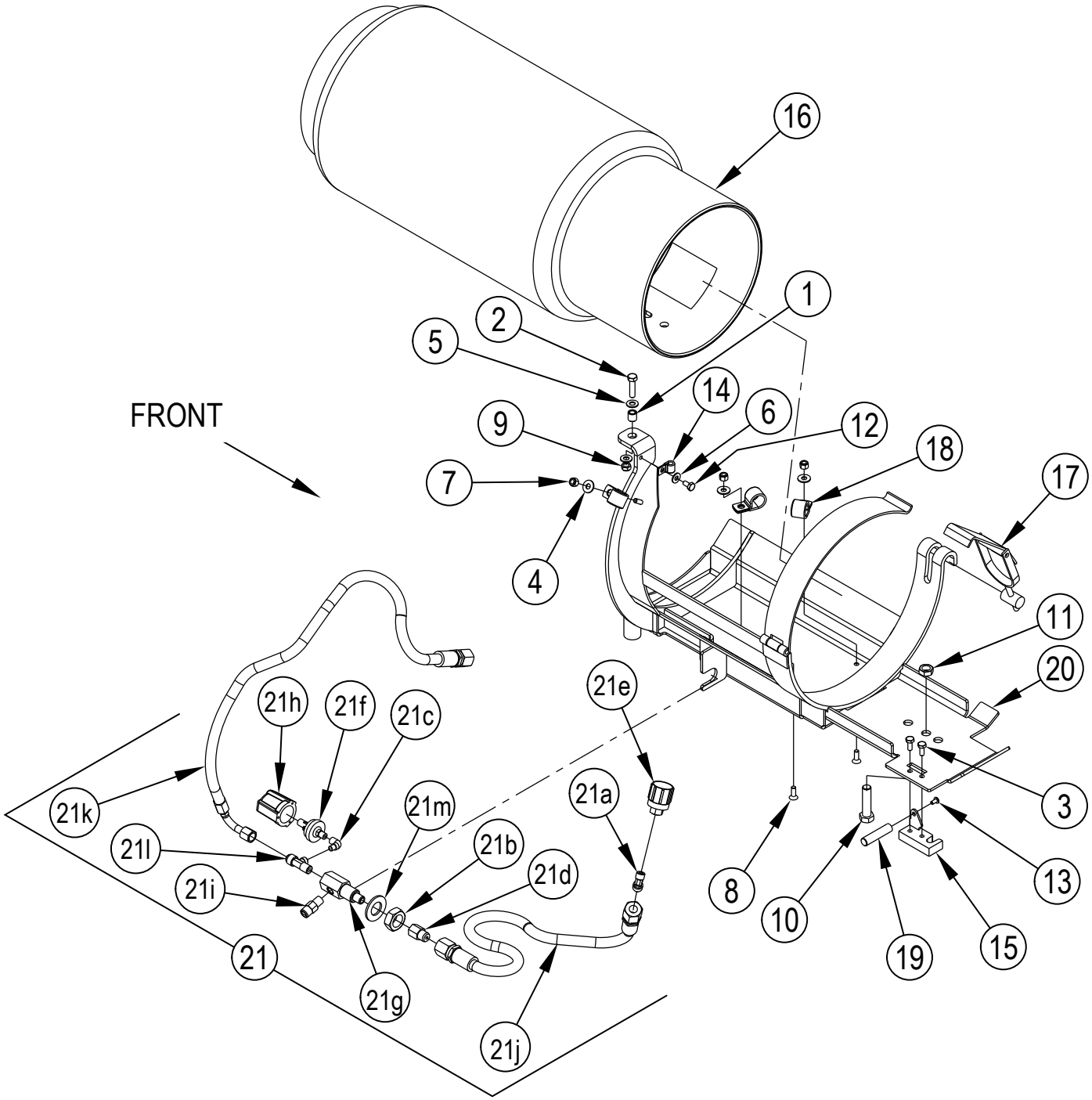


ENGINE BASE-REPLACEMENT PARTS-LPG LEV

Kit	Item	Ref. No.	Qty	Description
	1	56107721	1	Water Temp Sensor W/Seal
	2	56107744	1	Tmap Sensor
	3	56383025	1	Cap-Oil Fill
	4	56508440	1	Starter Assembly
	5	56508454	1	Thermostat Kit
	6	56511572	1	Filter-Oil-Wg972 Efi Engine
	[7]	56511566	1	Upper Engine Gasket Kit-Wg972
	8	56510978	1	Bracket-Alternator Adj
	9	56510979	1	Pulley-Crankshaft
	10	56511546	1	Manifold-Exhaust-Wg972 Engine
	11	56511547	1	Flywheel-Wg972 Engine
	12	56511549	1	Pump-Water-Wg972 Engine
	13	56511550	1	Ecu-Wg972 Engine
	14	56511551	1	Harness-Engine Control
	15	56511552	1	Switch-Oil Pressure-Wg972 Eng
	16	56511553	1	Sensor-Cam Position
	17	56511554	1	Mixer
	18	56511555	1	Throttle Body
	19	56511556	3	Ignition Coil
	20	56511557	3	Spark Plug-Lev Wg972 Engine
	21	0775-295	1	Alternator With Pulley 40a
	22	2-00-06354	1	Crank/Rpm Sensor
	[23]	56511573	1	Bottom Engine Gasket Kit-Wg972
	24	56511548	1	Manifold-Intake Wg972
	25	56511571	2	Gasket-Throttle Body
	26	56511574	1	Gasket-Water Pump-Wg972 Engine
	27	56511575	1	Cable-Ecom Adaptor

[ ] = Not Shown

LPG TANK ASSEMBLY



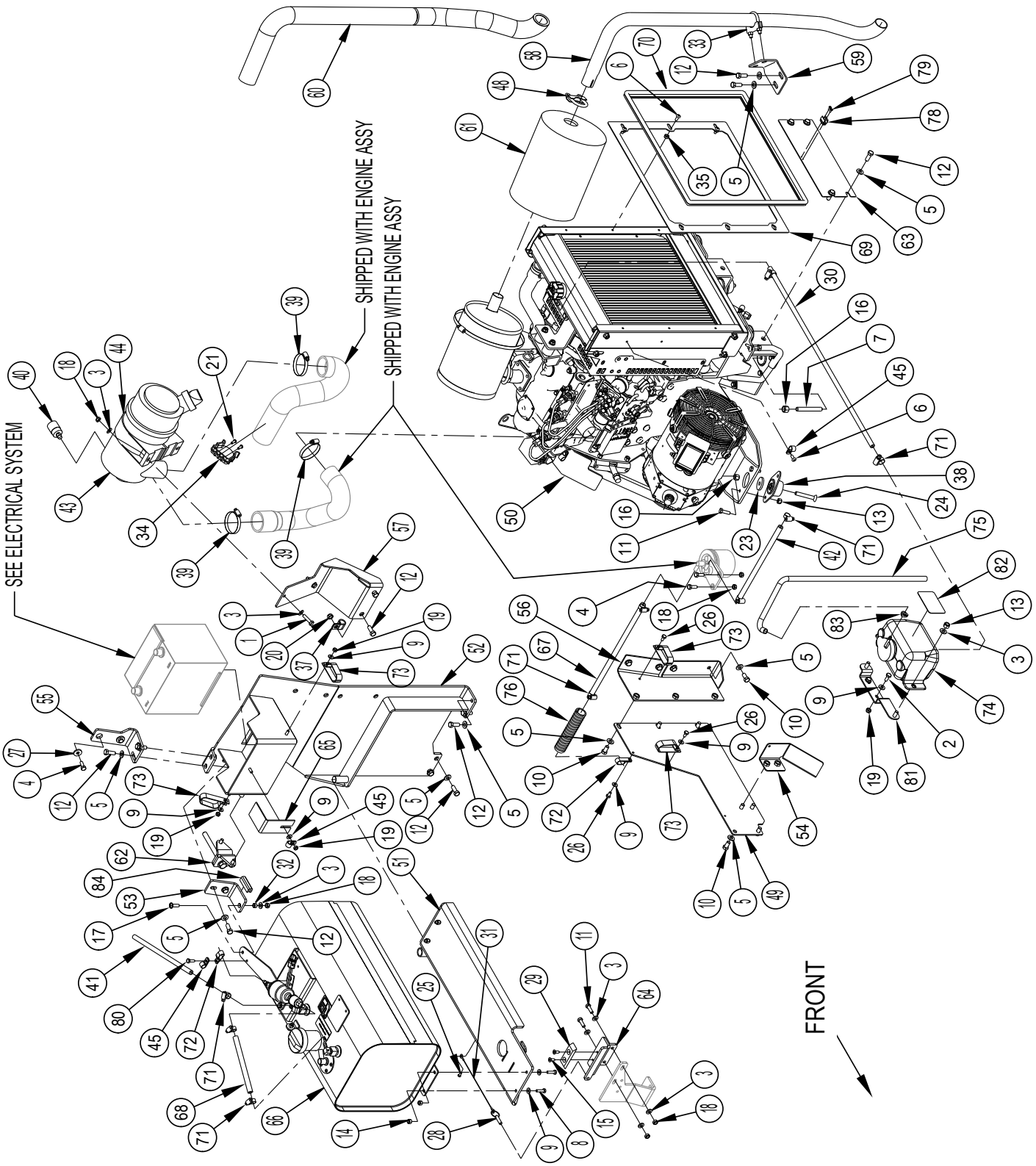
LPG TANK ASSEMBLY

Kit	Item	Ref. No.	Qty	Description
K2	1		1	Bushing
K2	2		1	Scr, Hex 5/16-18 X 1.25
K2	3		2	Scr, Hex 1/4-20 X .62
K2	4		3	Wsh, Flt Std 1/4
K2	5		2	Wsh, Flt SAE 5/16
K2	6		1	Wsh, Flt SAE 1/4
K2	7		3	Nut, Hex Nyl Loc 1/4-20
K2	8		2	Scr, Flt Phil 1/4-20 X .75
K2	9		1	Nut, Hex Nyl Loc-Thin 5/16-18
K2	10		1	Scr, Hex Thd To Hd 1/2-13 X 2.00
K2	11		1	Nut, Hex Jam 1/2-13
K2	12		1	Scr, Hex Thd Form 1/4-20 X .50
K1,K2	13		1	Scr, Pan Phil Loc 10-24 X .38
	14	56323260	1	Clamp, Hose Support
K1	15		1	Latch, Rh
	16	56456590	1	L.P. Tank, 33lb.
	17	56481997	1	Toggle
	18	56496276	3	Clamp, Hose Support
K1	19		1	Pin
	20	56509746	1	Fuel Tank Mt Weldt-P
	21	56510095	1	LP Filter Assembly
	21a	56456598	1	Elbow,45 Male 45 Flared
	21b	56002615	1	Nut, Hex Jam 7/8-14
	21c	56111309	1	Elbow, 90 Street
	21d	56305505	1	Adapter-SAE 45 Deg.
	21e	56369675	1	Coupler-Female
	21f	56418381	1	Switch-N.C. Pressure **SW5**
	21g	56418934	1	Fitting-Bulkhead
	21h	56419241	1	Dust Boot
	21i	56456624	1	Vent-1/4 Npt
	21j	56510298	1	LPG Hose Assy
	21k	56384953	1	LPG Hose Assy
	21l	56900921	1	Tee 1/4 Npt X 1/8 Npt X 3/8 Jic
	21m	56002228	1	Wsh Flt SAE 7/8

Service Kits

K1	56510798	1	Latch Kit-LPG Tank Assy
K2	56510799	1	Hardware Kit-LPG Tank Assy

ENGINE SYSTEM-DIESEL



ENGINE SYSTEM-DIESEL

Kit	Item	Ref. No.	Qty	Description
K1	1		2	Scr, Hex 5/16-18 X 1.25
K1	2		2	Scr, Hex 1/4-20 X .62
K1	3		11	Wsh, Flt SAE 5/16
K1	4		4	Scr, Hex 5/16-18 X .88
K1	5		25	Wsh, Flt SAE 3/8
K1	6		7	Scr-Pan Phil 1/4-20 X .62
K1	7		3	Stud-Double Ended
K1	8		4	Scr, Hex 1/4-20 X 1.00
K1	9		11	Wsh, Flt SAE 1/4
K1	10		11	Scr, Hex 3/8-16 X .75
K1	11		10	Scr, Hex 5/16-18 X 1.00
K1	12		16	Scr, Hex 3/8-16 X 1.00
K1	13		10	Nut, Hex Nyl Loc 5/16-18
K1	14		4	Nut, Hex Nyl Loc 1/4-20
K1	15		2	Scr, Flt Phil 1/4-20 X .62
K1	16		4	Nut-Hex Nyl Loc 3/8-16
K1	17		1	Scr-Pan Phil 5/16-18 X 1.00
K1	18		7	Nut, Hex Nyl Loc-Thin 5/16-18
K1	19		5	Nut, Hex Nyl Loc-Thin 1/4-20
K1	20		1	Nut, Hex Nyl Loc-Thin 3/8-16
K1	21		2	Scr Panphil Thd Form 10-24x.50
K1	22			**DELETED**
	23	56367117	4	Wsh Flt Steel .406cv31c
K1	24		1	Scr-Flt Soc Ss 3/8-16 X 2.50
K1	25		1	Scr, Hex Thd Form 10-24 X .38
K1	26		3	Scr, Hex Thd Form 1/4-20 X .50
K1	27		2	Wsh, Flt .344 X .938 X .125
	28	56050356	1	Pin Quickrlse--.312dia .625l
	29	56110514	1	Skid
	30	56510953	1	Hose-Black 1/4 ID x 25
	31	56314400	1	Wire Rope, 9 Inch
	32	56320595	1	Bushing .32x.50x.28
	33	56343236	1	Clamp, Muffler 1.50
	34	56396199	1	Clamp, Plastic
	35	56410057	6	Bushing, .26 Id X .50 Od
	37	56419120	1	Clamp, Hose Support
	38	56419300	4	Mount, Isolator, Stiff
	39	56440213	3	Clamp- Hose SAE #32
	40	56478461	1	Indicator, Service
	41	56478488	1	Hose-Fuel
	42	56481686	1	Hose-Fuel Line
	43	56482478	1	Cleaner, Air
	[ ]	56482028	1	Filter Safety **(for 56482478)**
	[ ]	56482029	1	Filter Primary **(for 56482478)**
	44	56482621	1	Band Assy
	45	56486112	3	Clamp-P
	48	56508391	1	Clamp, Muffler
	49	56511142	1	Plate-Tank Guard
	50		1	Diesel Engine Assy
				(See pages 62 and 63) NOTE 1
			1	Diesel Engine Assy-D1305-E4B
				(See pages 64 and 65) NOTE 2
	51	56511128	1	Tank Pivot Weldt
	52	56511118	1	Fuel Tank Support Weldt
	53	56511174	1	Bracket-Tank Pivot
	54	56509986	1	Cable Bracket Weldt
	55	56511120	1	Bracket-Tank Support
	56	56511143	1	Guard Mnt Weldt
	57	56510159	1	Air Cleaner Mnt Weldt
	58	56510167	1	Tailpipe-Diesel
	59	56510169	1	Bracket-Tailpipe
	60	56383071	1	Exhaust Blanket Kit-Diesel
	61	56383072	1	Exhaust Blanket Kit-Diesel
	62	56511199	1	Belt Removal Tool
	63	56510284	1	Plate-Guard
	64	56510295	1	Mount Weldt
	65	56511122	1	Holddown-Battery
	66	56511868	1	Tank-Diesel Assy **(See pages 70 and 71)**
	67	56510628	1	Hose-Fuel
	68	56510630	1	Hose-Fuel
	69	56511915	1	Mount-Radiator Seal
	70	56510730	1	Trim-Seal
	71	56756364	9	Clamp- Hose SAE #4
	72	56004073	2	Clamp-Double P-.562-Cdv0909z1
	73	2-00-05253	4	Clamp, 3/4" Wire, Double
	74	7-07-02002	1	Overflow Bottle Assy
	75	7-33-02644	1	Hose, 1/4" Id X 28" Long, Clear
	76	56419452	1	Conduit
	78	56510834	1	Clip-Spring ½
K1	79		2	Scr Pan Phil SS 6-32 X .38
K1	80		1	Scr Hex Thd Form 1/4-20x .75
	81	56394242	1	Bracket-Overflow Bottle
	82	56015463	1	Decal Coolant Level
	83	56384956	1	Clamp-Hose
	84	56394369	1	Trim-Edge-.25x2.00

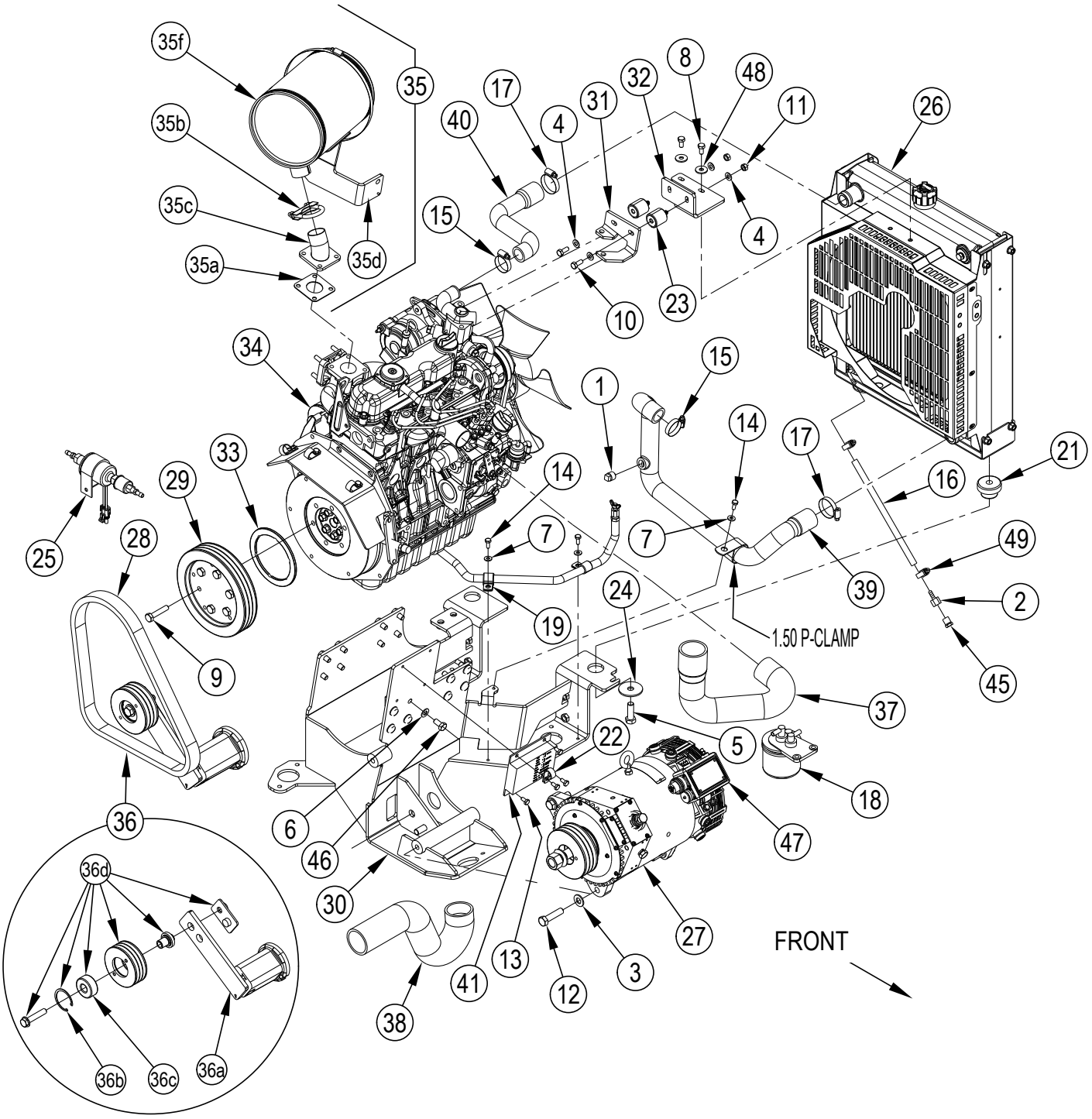
Service Kits

K1	56510797	1	Hardware Kit-Engine System Diesel

[ ] = Not Shown

NOTE 1: The old CS7010 Diesel Engine will become obsolete at the end of December 2018 and replaced with the new Diesel Engine Assy-D1305-E4B.
NOTE 2: Starting January 1st, all Diesel CS7010 machines will have a new diesel engine that will comply with the new Tier IV requirements.

ENGINE ASSEMBLY-DIESEL – BEFORE JANUARY 2019



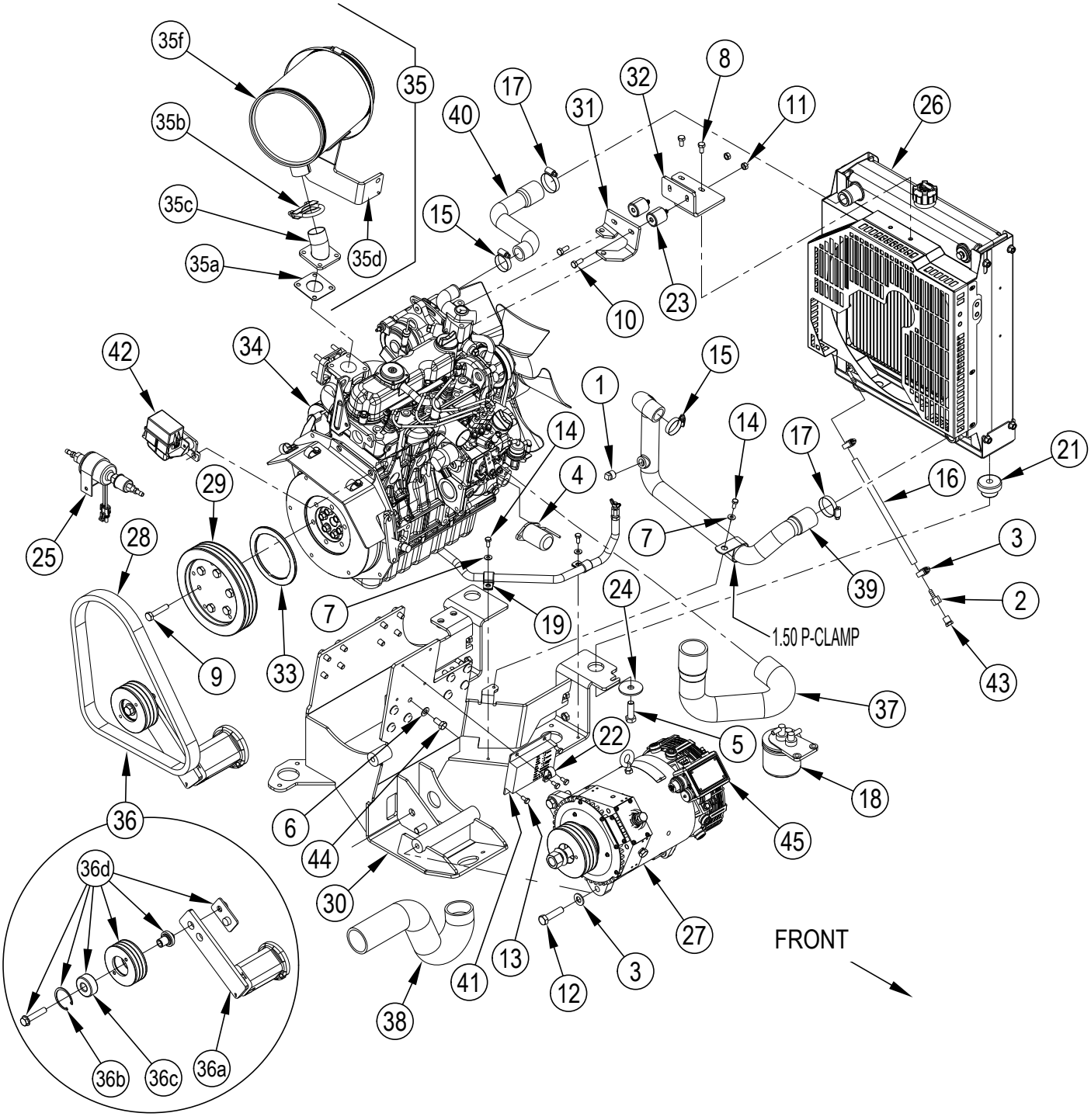
ENGINE ASSEMBLY-DIESEL – BEFORE JANUARY 2019

Kit	Item	Ref. No.	Qty	Description
	1	56744580	1	Plug, Npt 3/8 Brass
	2	56756360	1	Barb, Hose Female
	3	56001879	3	Wsh-Flt SAE 1/2
	4	56001939	4	Wsh, Flt SAE 5/16
	5	56001968	2	Scr, Hex 1/2-13 X 1.50
	6	56002063	16	Wsh, Flt SAE 3/8
	7	56002098	3	Wsh, Flt SAE 1/4
	8	56003431	2	Scr Hex Ss M6-1.00x16mm
	9	56003021	6	Scr-Hex M10-1.25 X 50mm
	10	56003179	2	Scr, Hex Thd To Hd M8-1.25 X 20mm
	11	56003352	2	Nut, Hex M8-1.25
	12	56003740	3	Scr, Hex Thd To Hd 1/2-13 X 2.00
	13	56009033	4	Scr, Hex Thd Form 1/4-20 X .50
	14	56009250	3	Scr, Hex Thd Form 1/4-20 X .62
	15	56131601	2	Clamp- Hose SAE #16
	16	56510958	1	Hose-Coolant
	17	56413839	2	Clamp- Hose SAE #20
	18	56419054	1	Fuel Filter Kit
	19	56419120	2	Clamp, Hose Support
	21	56478685	2	Mount, Rubber
	22	56486112	1	Clamp-P
	23	56507372	2	Isolator-Engine
	24	56507448	2	Washer, Isolator Tail
	25	56511864	1	Pump-Fuel-Electronic **M25**
	26	56511909	1	Radiator
	27	56511663	1	Alternator-42VDC-10KW **G1**
	[ ]	56511661	1	Sheave-3V x 4.50 x .875 **(for 56509345 in diesel)**
	28	56509442	1	Belt-3vx X 45.0
	29	56509443	1	Sheave-3v X 8.00
	30	56509452	1	Eng/Alt Mnt Weldt
	31	56509510	1	Bracket-Diesel Radiator
	32	56511912	1	Bracket-Radiator **NOTE 1 TSB-FC-2017-046**
	33	56509740	1	Plate-Spacer
	34		1	Diesel Engine Assy **(See pages 66 and 67)**
	35		1	Diesel Exhaust Assy
	35a	56419107	1	Exhaust Gasket
	35b	56456833	1	Clamp, Muffler 1.62
	35c	56510170	1	Exhaust Pipe Weldt
	35d	56510172	1	Muffler Support Weldt
	35f	7-49-00038	1	Muffler
	36		1	Tensioner Assy
	36a	56509923	1	Tensioner-Automatic **(for Tensioner Assy)**
	36b	56003314	1	Ring Ret Int Type Ho 2.047 Dia **(for Tensioner Assy)**
	36c	56509716	1	Bearing **(for Tensioner Assy)**
	36d	56510854	1	Idler Pulley Kit **(for Tensioner Assy)**
	37	56510077	1	Hose-Air Cleaner
	38	56510090	1	Hose-Air Cleaner
	39	56510126	1	Hose-Radiator
	40	56510127	1	Hose-Radiator
	41	56510350	1	Governor-Controller
	[44]	56511876	1	Harness-Kubota Diesel
	45	56740136	1	Plug, Pipe
	46	2-00-05958	16	Hhc, M10 X 1.25 X 20mm
	47	56383568	1	Voltage Regulator Kit-42v
	48	56003638	2	Wsh Flt Ss M6
	49	56756364	2	Clamp Hose Sae 4 E00047

[ ] = Not Shown

NOTE 1: Please order Radiator Diesel Kit 56511918 if you are replacing the Radiator 56509210 which has been obsoleted and replaced by Kit 56511918.

ENGINE ASSEMBLY-DIESEL – AFTER DECEMBER 2018



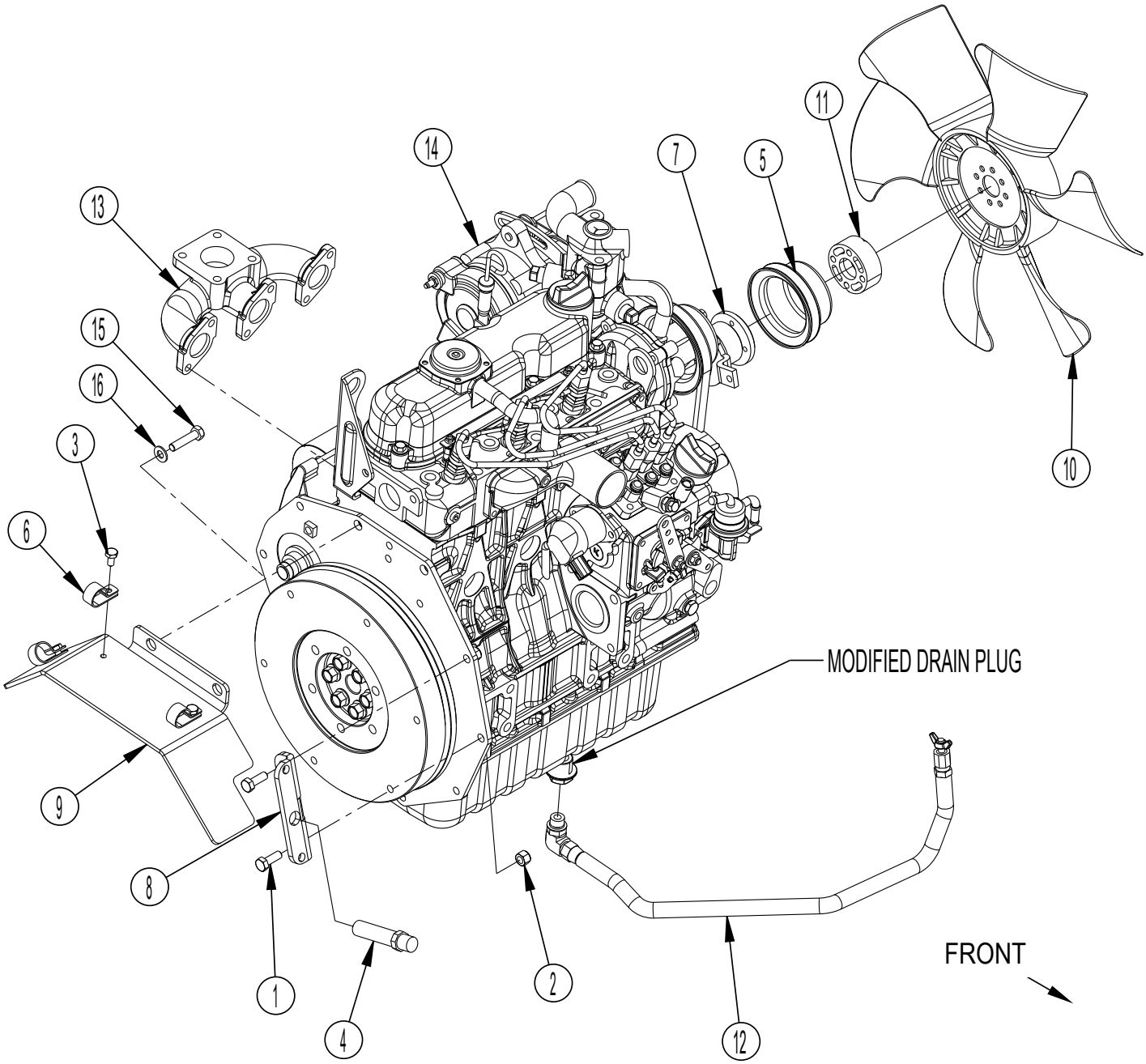
ENGINE ASSEMBLY-DIESEL – AFTER DECEMBER 2018

Kit	Item	Ref. No.	Qty	Description
	1	56744580	1	Plug, Npt 3/8 Brass
	2	56756360	1	Barb, Hose Female
	3	56756364	2	Clamp Hose Sae 4 E00047
	4	56508490	1	Throttle/Shut Down Actuator
	5	56001968	2	Scr, Hex 1/2-13 X 1.50
	6	56002063	18	Wsh, Flt SAE 3/8
	7	56002098	1	Wsh, Flt SAE 1/4
	8	56003431	3	Scr Hex Ss M6-1.00x16mm
	9	56003021	6	Scr-Hex M10-1.25 X 50mm
	10	56003179	3	Scr, Hex Thd To Hd M8-1.25 X 20mm
	11	56003352	2	Nut, Hex M8-1.25
	12	56003740	3	Scr, Hex Thd To Hd 1/2-13 X 2.00
	13	56009033	4	Scr, Hex Thd Form 1/4-20 X .50
	14	56009250	3	Scr, Hex Thd Form 1/4-20 X .62
	15	56131601	2	Clamp- Hose SAE #16
	16	56510958	1	Hose-Coolant
	17	56413839	2	Clamp- Hose SAE #20
	18	56419054	1	Fuel Filter Kit
	19	56419120	2	Clamp, Hose Support
	21	56478685	2	Mount, Rubber
	22	56486112	1	Clamp-P
	23	56507372	2	Isolator-Engine
	24	56507448	2	Washer, Isolator Tail
	25	56511864	1	Pump-Fuel-Electronic **M25**
	26	56511909	1	Radiator
	27	56511663	1	Alternator-42VDC-10KW **G1**
	[ ]	56511661	1	Sheave-3V x 4.50 x .875 **(for 56509345 in diesel)**
	28	56509442	1	Belt-3vx X 45.0
	29	56509443	1	Sheave-3v X 8.00
	30	56509452	1	Eng/Alt Mnt Weldt
	31	56509510	1	Bracket-Diesel Radiator
	32	56511912	1	Bracket-Radiator **NOTE 1 TSB-FC-2017-046**
	33	56509740	1	Plate-Spacer
	34		1	Diesel Engine Assy **(See pages 68 and 69)**
	35		1	Diesel Exhaust Assy
	35a	56419107	1	Exhaust Gasket
	35b	56456833	1	Clamp, Muffler 1.62
	35c	56510170	1	Exhaust Pipe Weldt
	35d	56510172	1	Muffler Support Weldt
	35f	7-49-00038	1	Muffler
	36		1	Tensioner Assy
	36a	56509923	1	Tensioner-Automatic **(for Tensioner Assy)**
	36b	56003314	1	Ring Ret Int Type Ho 2.047 Dia **(for Tensioner Assy)**
	36c	56509716	1	Bearing **(for Tensioner Assy)**
	36d	56510854	1	Idler Pulley Kit **(for Tensioner Assy)**
	37	56510077	1	Hose-Air Cleaner
	38	56510090	1	Hose-Air Cleaner
	39	56510126	1	Hose-Radiator
	40	56510127	1	Hose-Radiator
	41	56510350	1	Governor-Controller
	42	56511876	1	Harness-Kubota Diesel
	43	56740136	1	Plug, Pipe
	44	2-00-05958	16	Hhc, M10 X 1.25 X 20mm
	45	56383568	1	Voltage Regulator Kit-42v

[ ] = Not Shown

NOTE 1: Please order Radiator Diesel Kit 56511918 if you are replacing the Radiator 56509210 which has been obsoleted and replaced by Kit 56511918.

ENGINE SUB ASSEMBLY-DIESEL – BEFORE JANUARY 2019

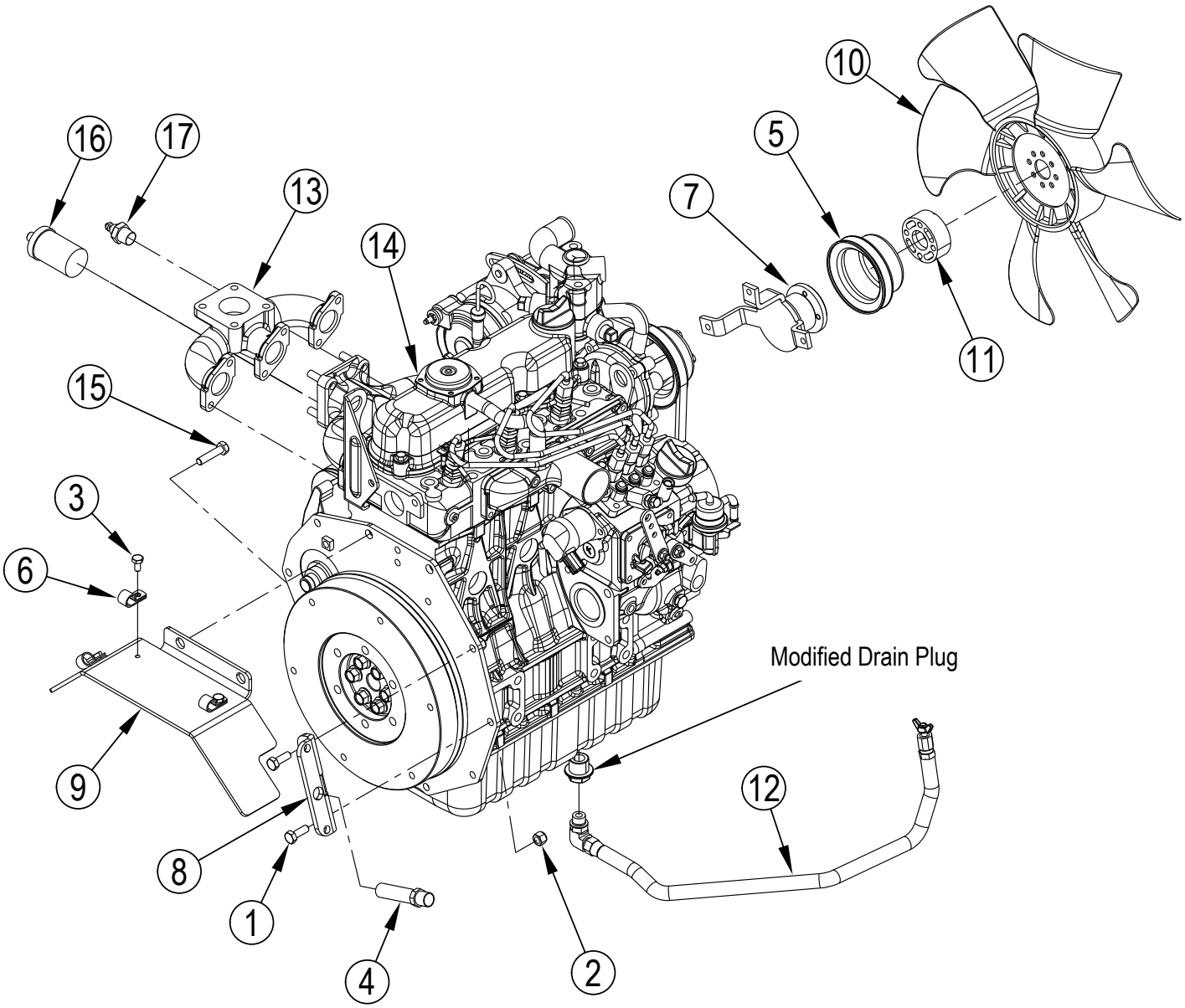


ENGINE SUB ASSEMBLY-DIESEL – BEFORE JANUARY 2019

Kit	Item	Ref. No.	Qty	Description
	1	56002037	2	Scr, Hex 5/16-18 X .88
	2	56002701	2	Nut, Hex Nyl Loc 5/16-18
	3	56009033	3	Scr, Hex Thd Form 1/4-20 X .50
	4	56111319	1	Speed Sensor
	5	56307249	1	Pulley, Fan (89mm)
	6	56486112	3	Clamp-P
	7	56504477	1	Kit, Low Fan Kub1505
	8	56509853	1	Bracket-Mag Pickup
	9	56509981	1	Plate-Guard
	10	56510140	1	Fan-Cooling
	11	56510149	1	Spacer-Fan
	12	56510205	1	Remote Oil Drain Assy
	13	56510207	1	Manifold-Exhaust
	14	56510208	1	Engine-Kubota D1305
	15	56003361	1	Scr Hex Hd M8 X 35.0
	16	56009052	1	Wsh Int Shprf 5/16
				Engine Replacement Parts
[ ]		56510208	1	Engine-Kubota D1305
[ ]		56510385	1	Alternator-40 Amp
[ ]		56419086	1	Fuel Filter Cartridge
[ ]		56482659	1	Oil Filter Cartride
[ ]		56419084	1	Alternator Belt
[ ]		56419087	1	Fan Belt
[ ]		56508454	1	Thermostat Kit
[ ]		56419089	1	Starter Motor
[ ]		56508444	1	Oil Pressure Switch
[ ]		56419091	1	Temp Switch
[ ]		56508490	1	Throttle/Shut Down Assembly
[ ]		56510350	1	Governor-Controller
[ ]		56111319	1	Speed Sensor
[ ]		56510126	1	Hose-Radiator **(Lower)**
[ ]		56510127	1	Hose-Radiator **(Upper)**
[ ]		56510205	1	Drain Hose Assy
[ ]		56508355	1	Fuel Pump, Eletronic
[ ]		56419307	1	Strainer, Fuel
[ ]		56510077	1	Hose-Air Cleaner **(Air Cleaner To Intake)**
[ ]		56510090	1	Hose-Air Cleaner **(Air Cleaner Inlet)**
[ ]		56508354	1	Fuel Cap
[ ]		56510613	1	Sender-Fuel Level
[ ]		56510614	1	Tube-Fuel Withdrawl
[ ]		56510615	1	Tube-Fuel Return
[ ]		56510968	1	Gasket Set-Upper D1305
[ ]		56510969	1	Gasket Set-Lower D1305
[ ]		56510970	1	Water Pump-D1305
[ ]		56510971	1	Pulley-Alternator
[ ]		56510972	1	Bracket-Alternator Adj
[ ]		56510973	1	Pulley-Crankshaft
[ ]		56510974	1	Injection Pump-D1305
[ ]		56510975	1	Glow Plug (3 required)
[ ]		33019750	1	Kit-Holder Nozzle **(Injector) (3 required)**
[ ]		56482028	1	Filter Safety
[ ]		56482029	1	Filter Primary
[ ]		56383025	1	Cap-Oil Fill
[ ]		56511914	1	Radiator Cap

[ ] = Not Shown

ENGINE SUB ASSEMBLY-DIESEL – AFTER DECEMBER 2018

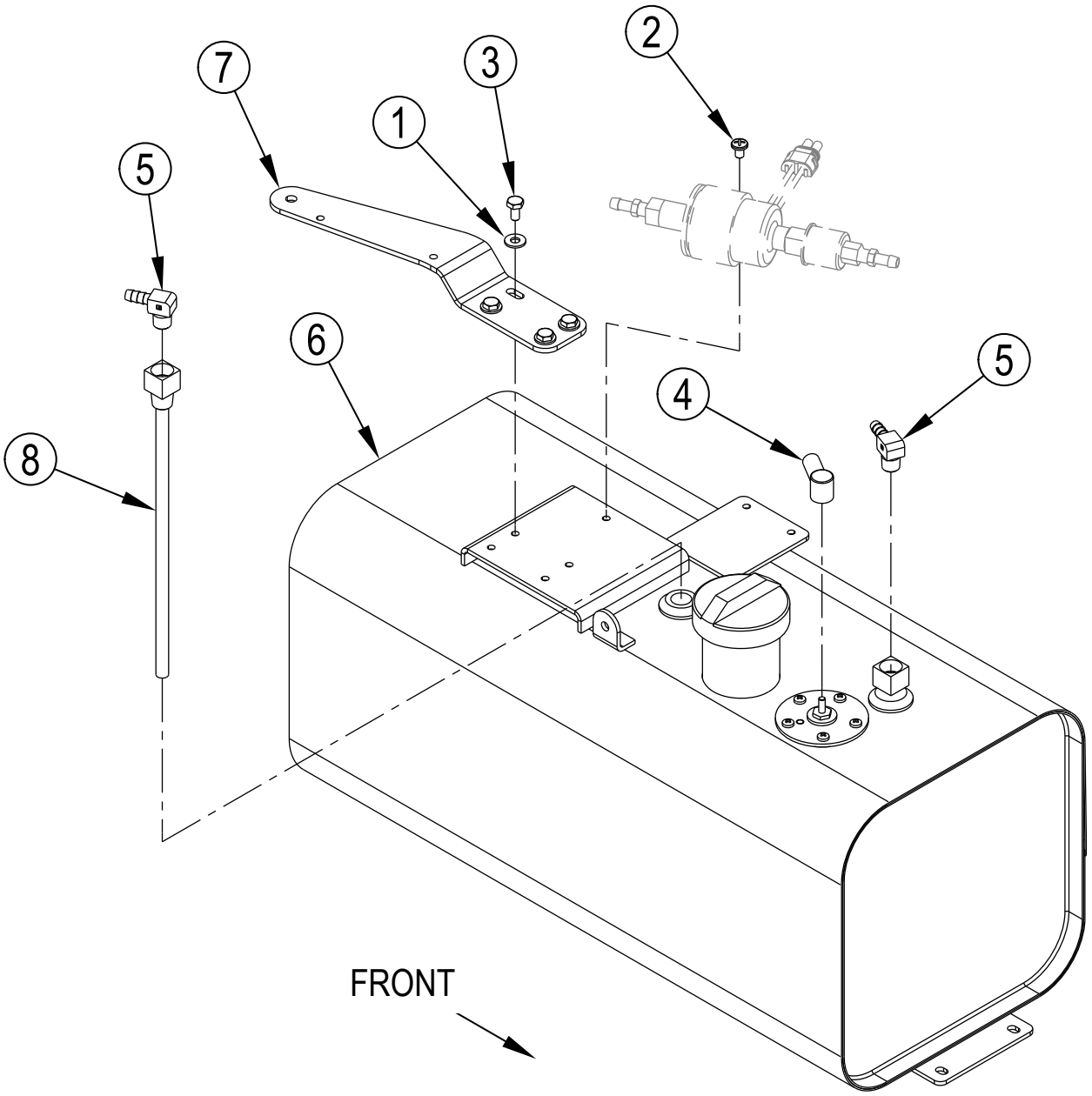


ENGINE SUB ASSEMBLY-DIESEL – AFTER DECEMBER 2018

Kit	Item	Ref. No.	Qty	Description
	1	56002037	2	Scr, Hex 5/16-18 X .88
	2	56002701	2	Nut, Hex Nyl Loc 5/16-18
	3	56009033	3	Scr, Hex Thd Form 1/4-20 X .50
	4	56111319	1	Speed Sensor
	5	56307249	1	Pulley, Fan (89mm)
	6	56486112	3	Clamp-P
	7	56504477	1	Kit, Low Fan Kub1505
	8	56509853	1	Bracket-Mag Pickup
	9	56509981	1	Plate-Guard
	10	56510140	1	Fan-Cooling
	11	56510149	1	Spacer-Fan
	12	56510205	1	Remote Oil Drain Assy
	13	56510207	1	Manifold-Exhaust
	14	56394270	1	Engine-Kubota D1305-E4B
	15	56003361	1	Scr Hex Hd M8 X 35.0
	16	56508444	1	Oil Pressure Switch
	17	56419091	1	Temp Switch
				Engine Replacement Parts
	[ ]	56394270	1	Engine-Kubota D1305
	[ ]	56510385	1	Alternator-40 Amp
	[ ]	56419086	1	Fuel Filter Cartridge
	[ ]	56482659	1	Oil Filter Cartride
	[ ]	56419084	1	Alternator Belt
	[ ]	56419087	1	Fan Belt
	[ ]	56508454	1	Thermostat Kit
	[ ]	56419089	1	Starter Motor
	[ ]	56508444	1	Oil Pressure Switch
	[ ]	56419091	1	Temp Switch
	[ ]	56508490	1	Throttle/Shut Down Assembly
	[ ]	56510350	1	Governor-Controller
	[ ]	56111319	1	Speed Sensor
	[ ]	56510126	1	Hose-Radiator **(Lower)**
	[ ]	56510127	1	Hose-Radiator **(Upper)**
	[ ]	56510205	1	Drain Hose Assy
	[ ]	56508355	1	Fuel Pump, Eletronic
	[ ]	56419307	1	Strainer, Fuel
	[ ]	56510077	1	Hose-Air Cleaner **(Air Cleaner To Intake)**
	[ ]	56510090	1	Hose-Air Cleaner **(Air Cleaner Inlet)**
	[ ]	56508354	1	Fuel Cap
	[ ]	56510613	1	Sender-Fuel Level
	[ ]	56510614	1	Tube-Fuel Withdrawl
	[ ]	56510615	1	Tube-Fuel Return
	[ ]	56510968	1	Gasket Set-Upper D1305
	[ ]	56510969	1	Gasket Set-Lower D1305
	[ ]	56510970	1	Water Pump-D1305
	[ ]	56510971	1	Pulley-Alternator
	[ ]	56510972	1	Bracket-Alternator Adj
	[ ]	56510973	1	Pulley-Crankshaft
	[ ]	56510974	1	Injection Pump-D1305
	[ ]	56510975	1	Glow Plug (3 required)
	[ ]	33019750	1	Kit-Holder Nozzle **(Injector) (3 required)**
	[ ]	56482028	1	Filter Safety
	[ ]	56482029	1	Filter Primary
	[ ]	56383025	1	Cap-Oil Fill
	[ ]	56511914	1	Radiator Cap

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DIESEL FUEL TANK ASSEMBLY

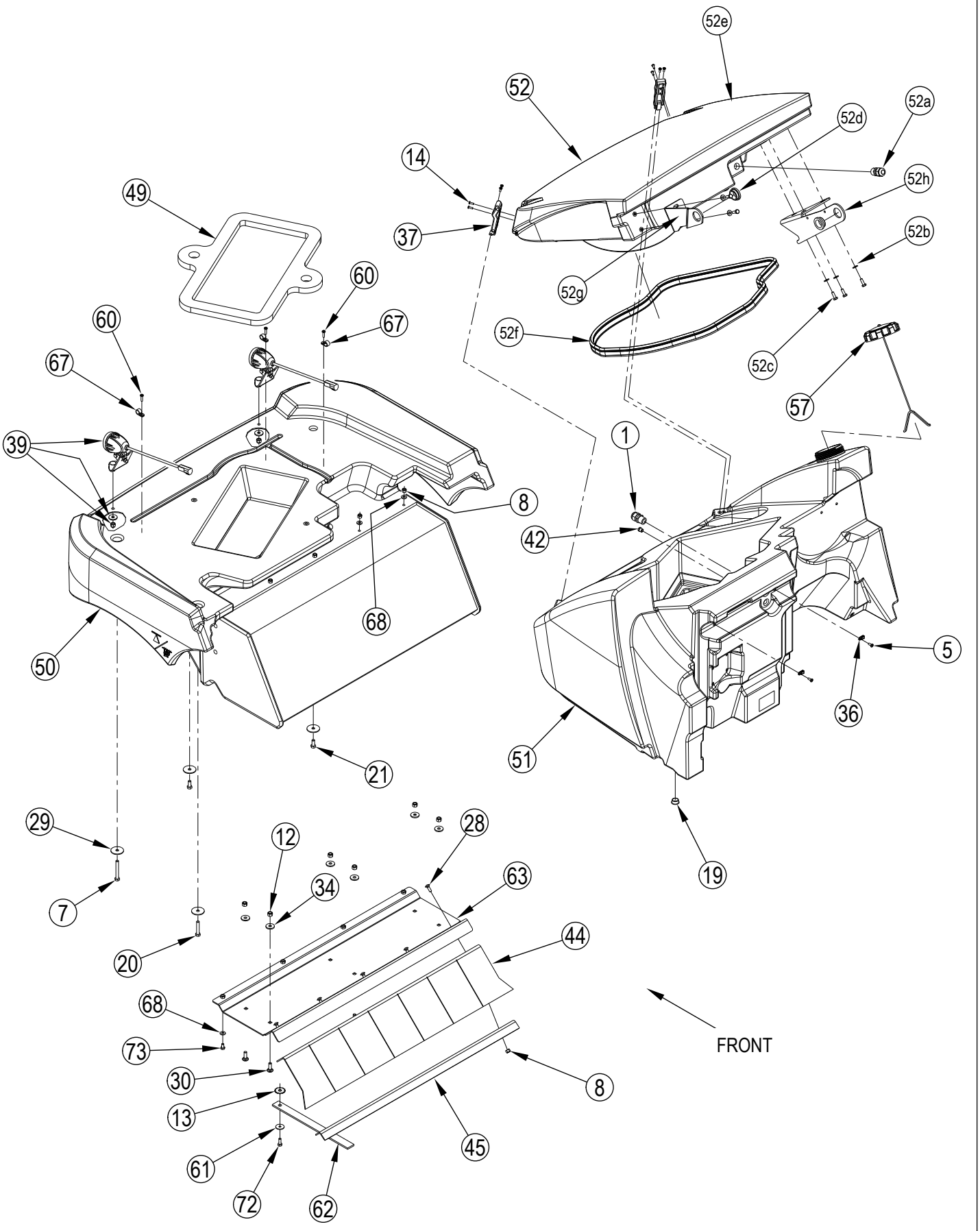


DIESEL FUEL TANK ASSEMBLY

Item	Ref. No.	Qty	Description
1	56002098	4	Wsh, Flt SAE 1/4
2	56003603	1	Scr, Pan Phil Thd Form 1/4-20 X .38
3	56009033	4	Scr, Hex Thd Form 1/4-20 X0.5
4	56492305	1	Boot, Rubber
5	56510495	2	Barb-90 Elbow 5/16 X 1/4npt
6	56511235	1	Fuel Tank Assembly
7	56511247	1	Bracket-Tank Support
8	56511256	1	Tube-Fuel Return
[ ]	56508354	1	Fuel Cap
[ ]	56511257	1	Sender-Fuel Level **R1**
[ ]	56511255	1	Tube-Fuel Withdrawl

[ ] = Not Shown

HOPPER SYSTEM-1



HOPPER SYSTEM-1

Kit	Item	Ref. No.	Qty	Description
	1	56323135	1	Strain Relief
	2	56449221	2	Bumper, 1.43 Dia
K4	3		3	Scr, Soc Hd 10-24 X 0.62
K4	4		2	Scr, Hex 5/8-11 X 1.50
K4	5		2	Scr-Pan Phil 10-24 X .50
K4	6		5	Wsh, Flt SAE #8
K4	7		1	Scr, Hex 5/16-18 X 2.50
K3,K4,K5	8		15	Nut, Hex Nyl Loc SS 1/4-20
K4	9		3	Nut, Hex Nyl Loc 10-24
K4	10		1	Nut, Hex Nyl Loc-Thin 5/16-18
K4	11		2	Nut, Hex Nyl Loc-Thin SS 1/4-20
K2,K4,K6	12		6	Nut, Hex Nyl Loc SS 5/16-18
	13	2-00-03829	1	Lock Washer, 3/8 Int./Ext. Tooth
K1,K4	14		8	Screw 8-32 X 3/8 Phn Ph Ss
K4,K5	15		5	Scr- Hex SS 1/4-20 X 1.00
K4	16		2	Wsh, Flt Std SS 3/8
K4	17		4	Scr- Hex SS 3/8-16 X 1.50
K4	18		2	Wsh, Flt Std SS 1/4
	19	56900041	1	Plug, Cap
K4	20		1	Scr, Hex 5/16-18 X 1.75
K4	21		5	Scr- Hex SS 5/16-18 X .75
K4	22		1	Pin,Clevis .500 X 3.00
K4	23		2	Nut, Hex Nyl Loc SS 3/8-16
K4	24		2	Pin, Cotter Hair
K4	25		2	Ring, Ret Ext 1.00 Shaft
K4	26		1	Clevis Pin
K4	27		3	Wsh-Flt SS .33 X 1.00 X.060
K3,K4,K5	28		12	Scr-Carriage SS 1/4-20 X .75
K4	29		4	Wsh-Flt SS .344 X 1.500 X .080
K2,K4,K6	30		6	Scr-Carriage SS 5/16-18 X 1.00
K4	31		2	Ring, Ret Ext 1.125 Shaft
K4	32		2	Nut, Hex Jam 1/2-13
K2,K4,K6	34		6	Wsh-Flt SS .344 X 1.000 X .109
	35	56511830	2	Sensor, Proximity **SW6 / SW13**
	36	56469854	2	Tie Anchor
K1	37	56507188	2	Latch
	39	56383035	2	Light Assy **LT2 / LT3**
	[40]	56383029	2	Adapter DT06 To MP280
	41	56507941	2	Bearing, Flange 1.125 X 1.281 X .750
	42	56509079	1	Plug - Pipe 1/8 Npt Plastic
	43	56511192	1	Dump Door Assy
	43a	56002491	13	Nut, Hex Nyl Loc SS 1/4-20
	43b	56002883	7	Scr- Hex SS 1/4-20 X 1.00
	43c	56003715	6	Scr-Carriage SS 1/4-20 X .75
	43d	56009002	2	Wsh, Flt .266 X .906 X .060
	43e	56507177	2	Clamp, Hopper Door Side
	43f	56507178	2	Seal, Hopper Door Side
	43g	56511155	1	Hopper Door Weldt
	43h	56509141	1	Dump Door Pivot Weldt
	43i	56509144	1	Seal-Hopper Door Bottom
K5	43j		2	Clamp-Hopper Door Bottom
	43k	56509146	2	Seal-Hopper Door Bottom

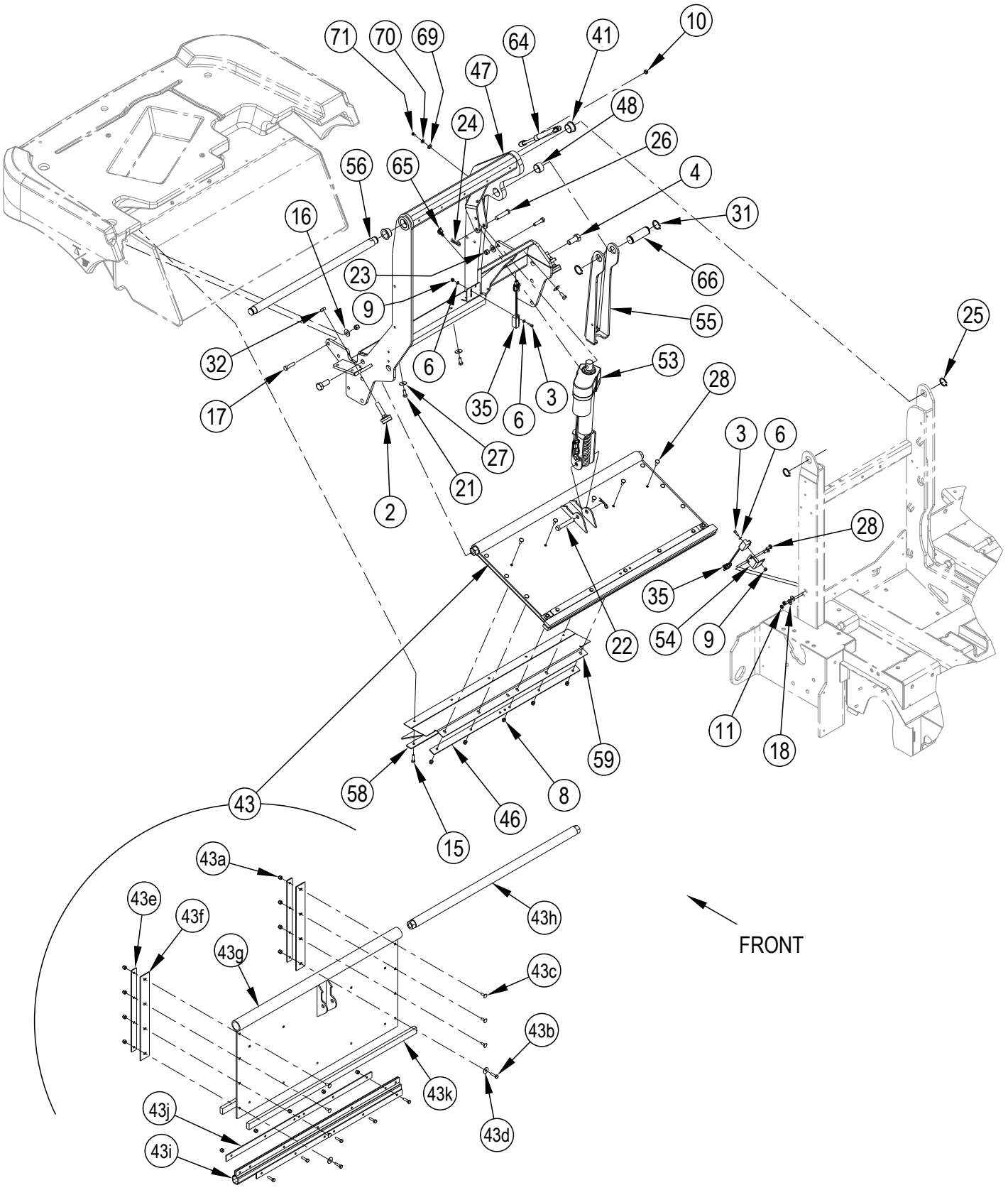
Kit	Item	Ref. No.	Qty	Description
K3	44		1	Flap-Hopper
K3	45		1	Clamp-Hopper Flap
K5	46		1	Clamp-Hopper Door Bottom
	47	56509388	1	Hopper Lift Weldment
	48	56509398	1	Bearing-Slv 1.125x1.281x0.750
	49	56509399	1	Seal-Hopper
	50	56509400	1	Hopper-Lower
	51	56509401	1	Hopper-Upper
K1	52		1	Hopper Cover Assy
K1	52a		1	Strain Relief
K1	52b		5	Wsh, Flt SAE 1/4
K1	52c		5	Scr, Hex 1/4-20 X .75
K1	52d		2	Bearing, Fl 1 Id X 1-1/4 Od X 1/2 L
K1	52e		1	Cover-Hopper
K1	52f		1	Seal - Hopper Cover
K1	52g		1	Hinge-Hopper Cover Lt
K1	52h		1	Hinge-Hopper Cover Rt
	53	56511759	1	Dump Door Actuator Assy **M7**
	54	56383694	1	Bracket-Sensor Mounting
	55	56509798	1	Prop Rod Assy
	56	56509989	1	Bar-Hopper Hinge
	57	56510148	1	Cap-Vented W/ Tether
K5	58		1	Clamp-Hopper Door Seal
K5	59		1	Seal-Hopper Door
	60	56009005	3	Scr Panphils Type Ab 10-16x.75
K4	61		1	Wsh-Flt Ss .260 x 1.000 x .074
	62	56416517	1	Strap, Static, 12.5”
K2	63		1	Hopper Skid Weldt
	64	56394131	1	Spring-Gas-175 Pound
	65	56507793	1	Clip, Conduit
	66	56507885	1	Pin, Cylinder
	67	56056903	3	Clamp Loop E00129
	68	56002859	8	Wsh Flt SAE SS 1/4
	69	2-00-02303	1	Lk Wash Int Tooth Zinc Pl
	70	56001954	1	Wsh Flt Sae 10
	71	56009029	1	Scr Panphil Thd Form 10-24x.50
	72	56002807	1	Scr Hex Ss 1/4-20 X .75
	73	56002935	3	Scr Hex Loc Ss 1/4-20 X .5

Service Kits

K1	56510793	1	Hopper Cover Kit
K2	56510796	1	Skid Plate Kit-Hopper
K3	56510800	1	Hopper Flap Kit
K4	56511890	1	Hardware Kit-Hopper System
K5	56510801	1	Hopper Door Seal Kit
K6	56511579	1	Hopper Guard Kit

[ ] = Not Shown

HOPPER SYSTEM-2



HOPPER SYSTEM-2

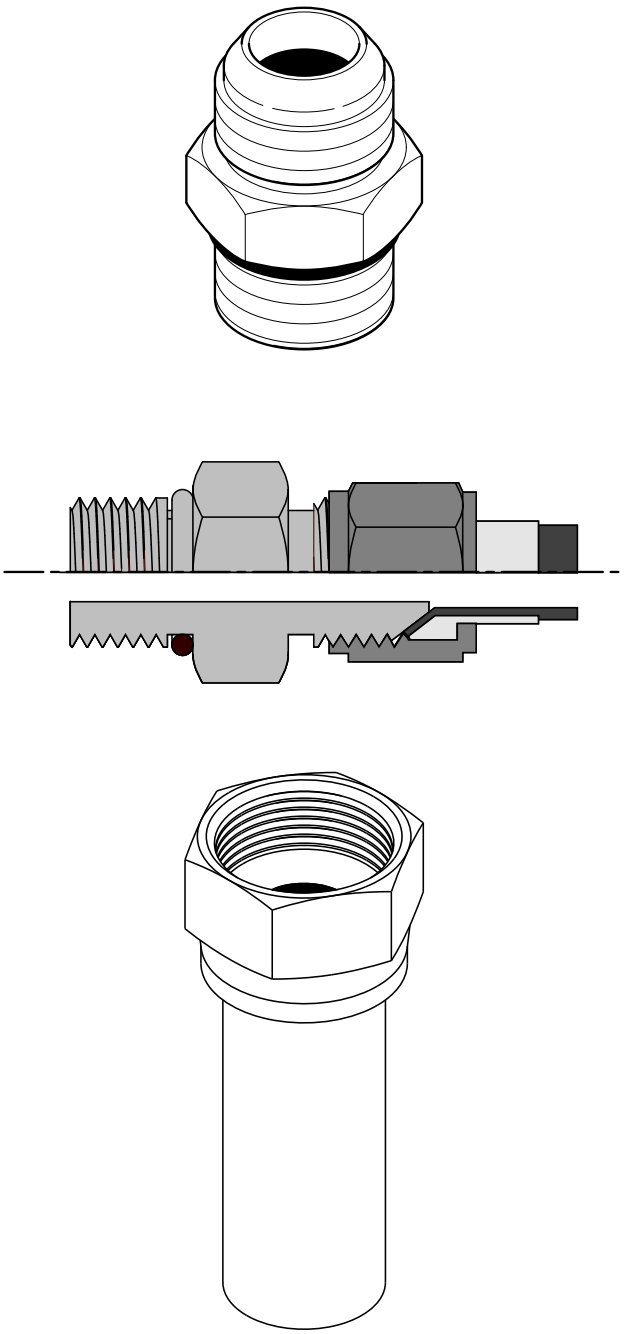
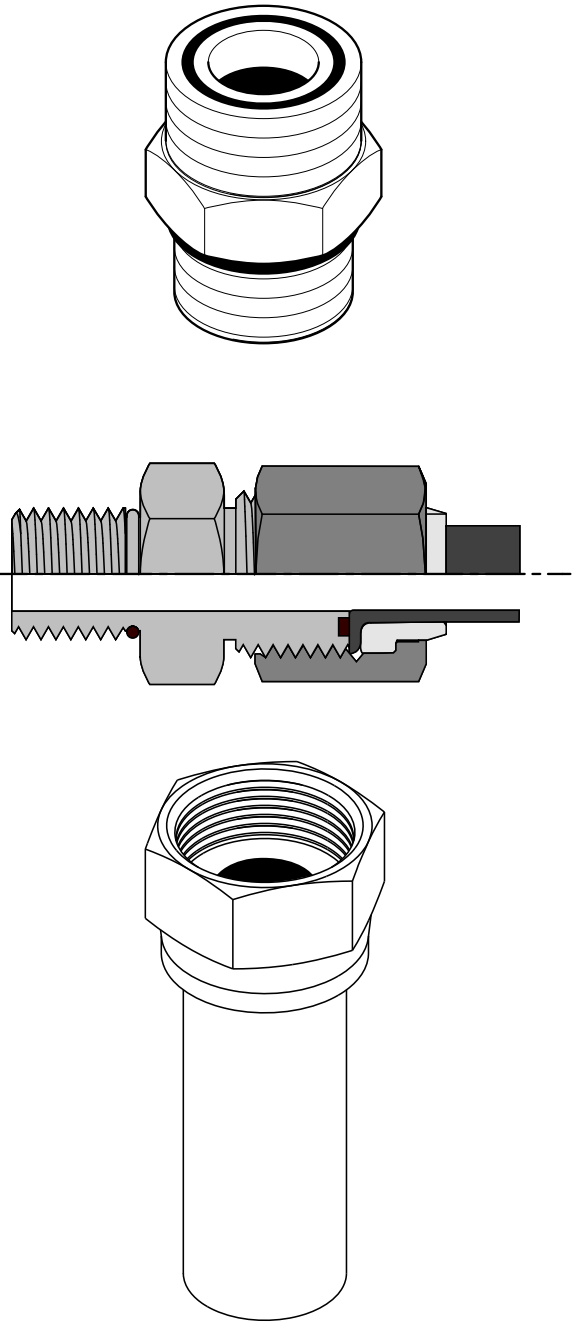
Kit	Item	Ref. No.	Qty	Description
	1	56323135	1	Strain Relief
	2	56449221	2	Bumper, 1.43 Dia
K4	3		3	Scr, Soc Hd 10-24 X 0.62
K4	4		2	Scr, Hex 5/8-11 X 1.50
K4	5		2	Scr-Pan Phil 10-24 X .50
K4	6		5	Wsh, Flt SAE #8
K4	7		1	Scr, Hex 5/16-18 X 2.50
K3,K4,K5	8		15	Nut, Hex Nyl Loc SS 1/4-20
K4	9		3	Nut, Hex Nyl Loc 10-24
K4	10		1	Nut, Hex Nyl Loc-Thin 5/16-18
K4	11		2	Nut, Hex Nyl Loc-Thin SS 1/4-20
K2,K4,K6	12		6	Nut, Hex Nyl Loc SS 5/16-18
	13	2-00-03829	1	Lock Washer, 3/8 Int./Ext. Tooth
K1,K4	14		8	Screw 8-32 X 3/8 Phn Ph Ss
K4,K5	15		5	Scr- Hex SS 1/4-20 X 1.00
K4	16		2	Wsh, Flt Std SS 3/8
K4	17		4	Scr- Hex SS 3/8-16 X 1.50
K4	18		2	Wsh, Flt Std SS 1/4
	19	56900041	1	Plug, Cap
K4	20		1	Scr, Hex 5/16-18 X 1.75
K4	21		5	Scr- Hex SS 5/16-18 X .75
K4	22		1	Pin,Clevis .500 X 3.00
K4	23		2	Nut, Hex Nyl Loc SS 3/8-16
K4	24		2	Pin, Cotter Hair
K4	25		2	Ring, Ret Ext 1.00 Shaft
K4	26		1	Clevis Pin
K4	27		3	Wsh-Flt SS .33 X 1.00 X.060
K3,K4,K5	28		12	Scr-Carriage SS 1/4-20 X .75
K4	29		4	Wsh-Flt SS .344 X 1.500 X .080
K2,K4,K6	30		6	Scr-Carriage SS 5/16-18 X 1.00
K4	31		2	Ring, Ret Ext 1.125 Shaft
K4	32		2	Nut, Hex Jam 1/2-13
K2,K4,K6	34		6	Wsh-Flt SS .344 X 1.000 X .109
	35	56511830	2	Sensor, Proximity **SW6 / SW13**
	36	56469854	2	Tie Anchor
K1	37	56507188	2	Latch
	39	56383035	2	Light Assy **LT2 / LT3**
	[40]	56383029	2	Adapter DT06 To MP280
	41	56507941	2	Bearing, Flange 1.125 X 1.281 X .750
	42	56509079	1	Plug - Pipe 1/8 Npt Plastic
	43	56511192	1	Dump Door Assy
	43a	56002491	13	Nut, Hex Nyl Loc SS 1/4-20
	43b	56002883	7	Scr- Hex SS 1/4-20 X 1.00
	43c	56003715	6	Scr-Carriage SS 1/4-20 X .75
	43d	56009002	2	Wsh, Flt .266 X .906 X .060
	43e	56507177	2	Clamp, Hopper Door Side
	43f	56507178	2	Seal, Hopper Door Side
	43g	56511155	1	Hopper Door Weldt
	43h	56509141	1	Dump Door Pivot Weldt
	43i	56509144	1	Seal-Hopper Door Bottom
K5	43j		2	Clamp-Hopper Door Bottom
	43k	56509146	2	Seal-Hopper Door Bottom
K3	44		1	Flap-Hopper
K3	45		1	Clamp-Hopper Flap
K5	46		1	Clamp-Hopper Door Bottom
	47	56509388	1	Hopper Lift Weldment
	48	56509398	1	Bearing-Slv 1.125x1.281x0.750
	49	56509399	1	Seal-Hopper
	50	56509400	1	Hopper-Lower
	51	56509401	1	Hopper-Upper
K1	52		1	Hopper Cover Assy
K1	52a		1	Strain Relief
K1	52b		5	Wsh, Flt SAE 1/4
K1	52c		5	Scr, Hex 1/4-20 X .75
K1	52d		2	Bearing, Fl 1 Id X 1-1/4 Od X 1/2 L
K1	52e		1	Cover-Hopper
K1	52f		1	Seal - Hopper Cover
K1	52g		1	Hinge-Hopper Cover Lt
K1	52h		1	Hinge-Hopper Cover Rt
K1	52i		1	Seal-Hopper Cover
	53	56511759	1	Dump Door Actuator Assy **M7**
	54	56383694	1	Bracket-Sensor Mounting
	55	56509798	1	Prop Rod Assy
	56	56509989	1	Bar-Hopper Hinge
	57	56510148	1	Cap-Vented W/ Tether
K5	58		1	Clamp-Hopper Door Seal
K5	59		1	Seal-Hopper Door
	60	56009005	3	Scr Panphils Type Ab 10-16x.75
K4	61		1	Wsh-Flt Ss .260 x 1.000 x .074
	62	56416517	1	Strap, Static, 12.5”
K2	63		1	Hopper Skid Weldt
	64	56394131	1	Spring-Gas-175 Pound
	65	56507793	1	Clip, Conduit
	66	56507885	1	Pin, Cylinder
	67	56056903	3	Clamp Loop E00129
	68	56002859	8	Wsh Flt Sae Ss 1/4
	69	2-00-02303	1	Lk Wash Int Tooth Zinc Pl
	70	56001954	1	Wsh Flt Sae 10
	71	56009029	1	Scr Panphil Thd Form 10-24x.50
	72	56002807	1	Scr Hex Ss 1/4-20 X .75
	73	56002935	3	Scr Hex Loc Ss 1/4-20 X .5

Service Kits

K1	56510793	1	Hopper Cover Kit
K2	56510796	1	Skid Plate Kit-Hopper
K3	56510800	1	Hopper Flap Kit
K4	56511890	1	Hardware Kit-Hopper System
K5	56510801	1	Hopper Door Seal Kit
K6	56511579	1	Hopper Guard Kit

[ ] = Not Shown

HYDRAULIC SYSTEM - CONNECTOR IDENTIFIER

JIC 37° Flare	O-Ring Face Seals (ORFS)
	

HYDRAULIC SYSTEM – HOSE DESCRIPTOR

Hose Description Key

DESCRIPTION = HOSE-HYD-A1-1A1-1A1-123

HYDRAULIC HOSE									HOSE MATERIAL	HOSE SIZE		FIRST FITTING END TYPE	FIRST FITTING END ANGLE	FIRST FITTING SIZE		SECOND FITTING END	SECOND FITTING END ANGLE	SECOND FITTING SIZE		HOSE LENGTH (NEAREST mm)	
H	O	S	E	-	H	Y	D	-	A	1	-	1	A	1	-	1	A	1	-	1	2	3

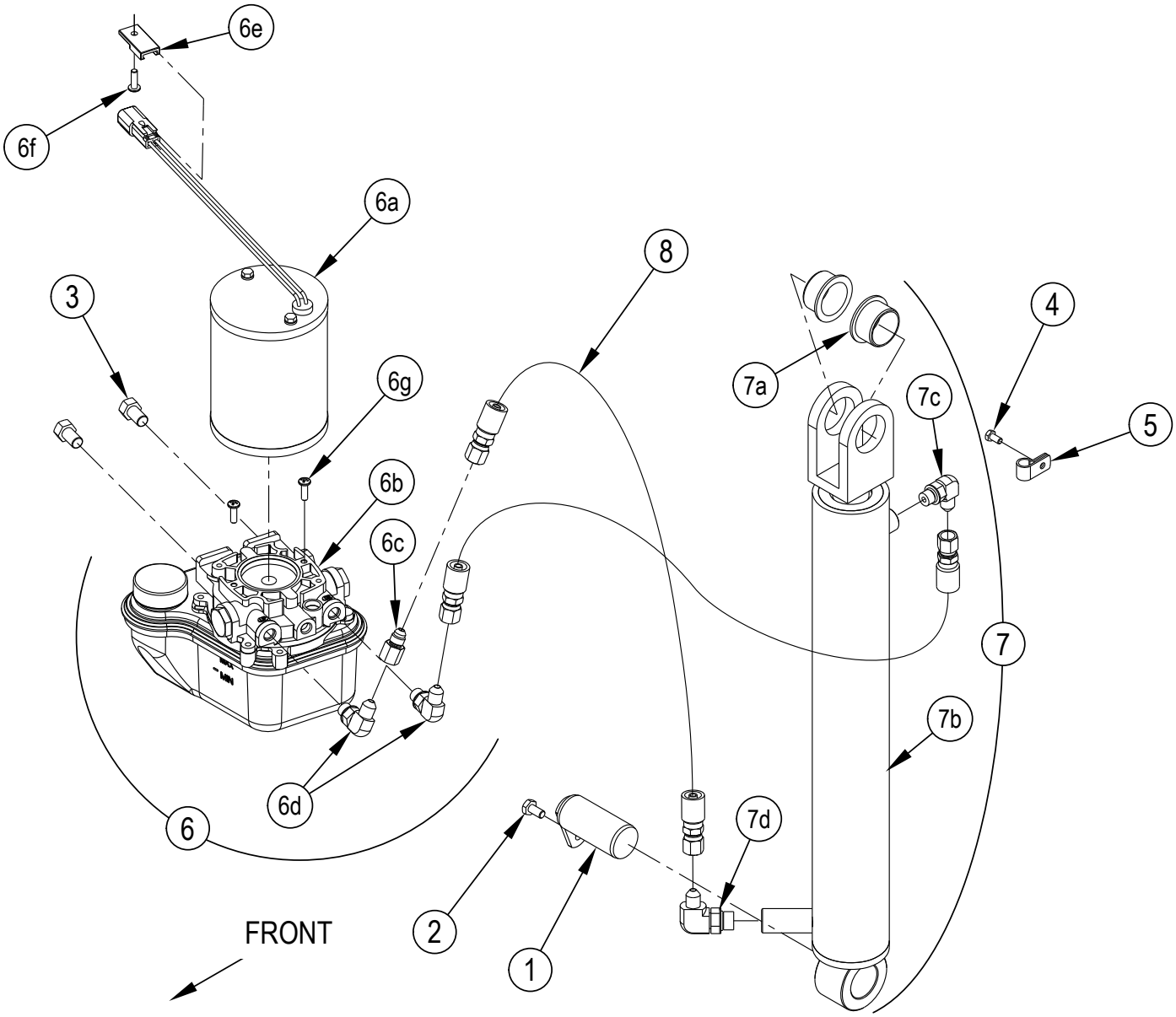
HOSE MATERIAL:
A= SAE100R1
B= SAE100R2
C= SAE100R17
D= SAE100R4
E= SAE100R16

HOSE AND FITTING SIZE:
0= -2 (1/8")
1= -4 (1/4")
2= -5 (5/16")
3= -6 (3/8")
4= -8 (1/2")
5= -10 (5/8")
6= -12 (3/4")
7= -16 (1")
8=-20 (1-1/4")
9= -24 (1-1/2")
***IF THERE IS "NO HOSE FITTING" USE THE HOSE SIZE.

FITTING END TYPE:
1= ORFS
2= JIC 37° FLARE
3= BSPP
4= NPT
5= ORB
6= SAE 45°
7= BSPT
8= FLANGE
9= NO HOSE FITTING (FOR USE WITH BARB FITTING) ***

FITTING END ANGLE:
A= 00°
B= 45°
C= 90°
D= 22.5°
E= 30°
F= 60°
G= 67.5°
H= 110°
I= 135°
J= 150°
K= 180°
L= BANJO
M = NO HOSE FITTING (FOR USE WITH BARB FITTING) ***

HYDRAULIC SYSTEM – 37° FLARE EQUIPPED MACHINES

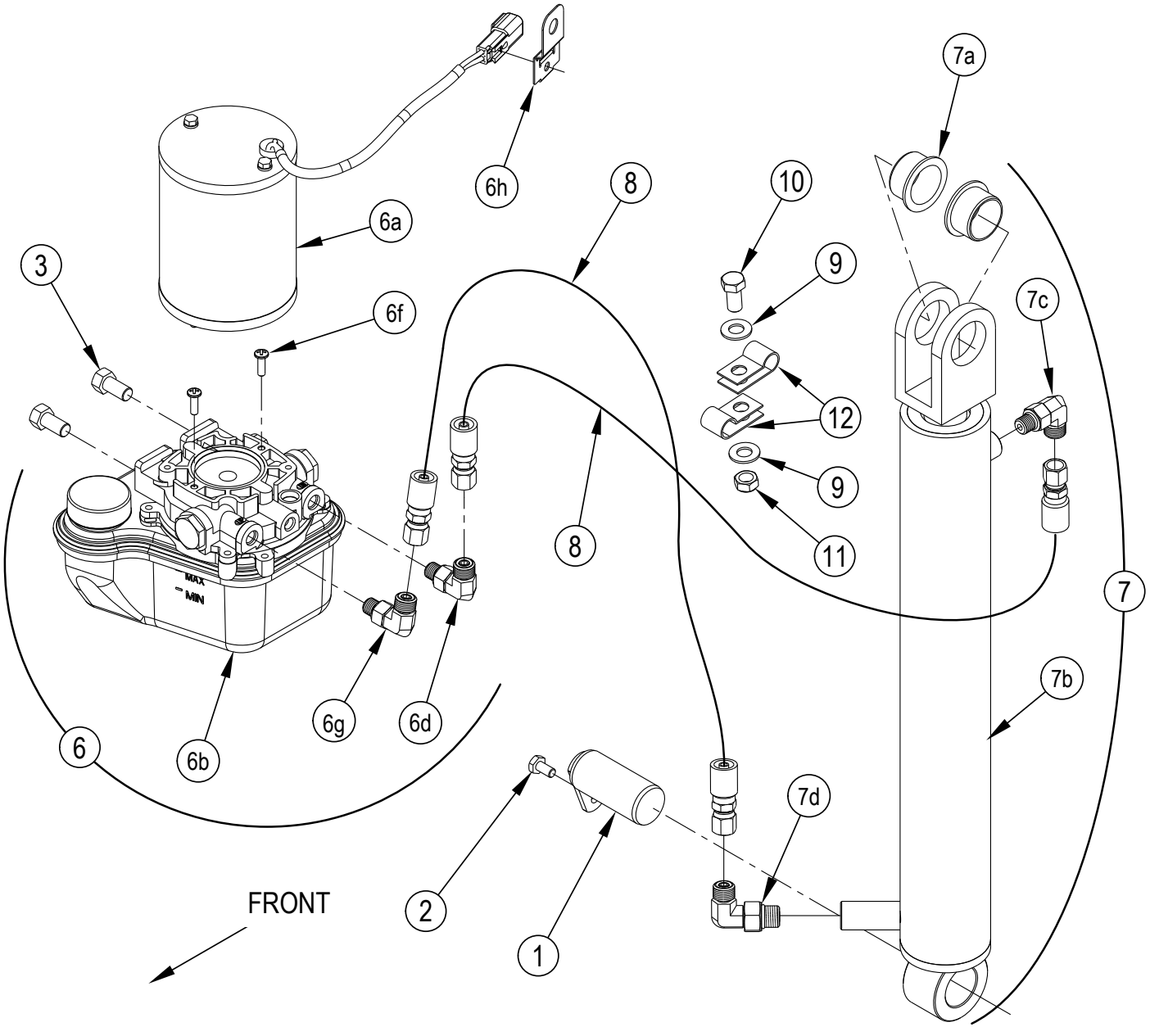


HYDRAULIC SYSTEM – 37° FLARE EQUIPPED MACHINES

Kit	Item	Ref. No.	Qty	Description
	1	56416308	1	Left Hinge Pin Weldt
K1	2		1	Scr, Hex Hd Loc 1/4-20x.50
K1	3		2	Scr, Hex Hd Loc 3/8-16x.75
K1	4		1	Scr, Hex Thd Form 10-24 X .38
K1	5		1	Clamp-P
	6	56511837	1	Hydraulic Power Pack Assy
	6a	56511831	1	Motor 36v-3669RPM-0.55hp **M11**
	6b	56509374	1	Hydraulic Pump/Reservoir Assy
	[ ]	56509383	1	Hydraulic Reservoir Kit **(for 56509374)**
	[ ]	56509375	1	Cap-Hyd Reservoir **(for 56509374)**
	6c	56510682	1	Fitting-Orifice
	6d	56900101	2	Elbow, 90 O-Ring
	6e	56511941	1	Clip-Deutsh Connector
	6f	56002124	1	Screw10-24 X .62 Pnh Ph
	6g	56002202	2	Scr Pan Phil 10-32 X .62
	7		1	Hopper Lift Cylinder Assy
	7a	56507941	2	Bearing, Flange 1.125 X 1.281 X .750
	7b	56509377	1	Cylinder-Hydraulic 2.00 X 13.06
	[ ]	56509381	1	Seal Kit **(for 56509377)**
	7c	56900101	1	Elbow, 90 O-Ring
	7d	56900110	1	Elbow, 90 O-Ring
	8	56509382	2	Hose Assy
		Service Kits		
	K1	56511891	1	Hardware Kit-Hydraulic Sys

[ ] = Not Shown

HYDRAULIC SYSTEM – ORFS EQUIPPED MACHINES



HYDRAULIC SYSTEM – ORFS EQUIPPED MACHINES

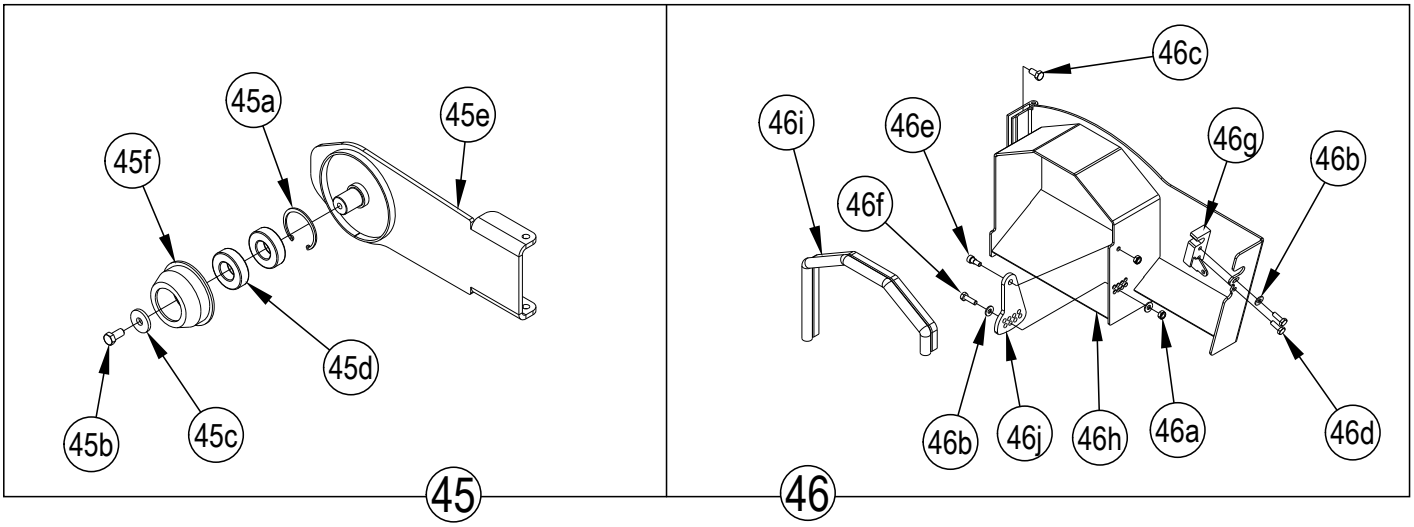
Kit	Item	Ref. No.	Qty	Description
	1	56416308	1	Left Hinge Pin Weldt
K1	2		1	Scr, Hex Hd Loc 1/4-20 x .50
K1	3		2	Scr, Hex Hd Loc 3/8-16 x .75
K1	4			**DELETED**
K1	5			**DELETED**
	6	56511837	1	Hydraulic Power Pack Assy
	6a	56511831	1	Motor 36V-3669RPM-0.55hp **M11**
	6b	56509374	1	Hydraulic Pump/Reservoir Assy
	[ ]	56509383	1	Hydraulic Reservoir Kit **(for 56509374)**
	[ ]	56509375	1	Cap-Hyd Reservoir **(for 56509374)**
	6c			**DELETED**
	6d	2-00-04892	1	Elbow, 90 O-Ring
	6e			**DELETED**
	6f	56002202	2	Scr Pan Phil 10-32 x .62
	6g	56394108	1	Ftg-Elbow Orf-.047-Hyd-4-Orfs
	6h	56394412	1	Clip-Connector-11.0 Hole
	7		1	Hopper Lift Cylinder Assy
	7a	56507941	2	Bearing, Flange 1.125 X 1.281 X .750
	7b	56509377	1	Cylinder-Hydraulic 2.00 X 13.06
	[ ]	56509381	1	Seal Kit **(for 56509377)**
	7c	2-00-04892	1	Hyd. Adapter-SAE To OR 90 EL
	7d	2-00-04926	1	Fitting-90 SAE6 To ORS4
	8	8-33-02178	2	Hose-Hyd-A1-1a1-1a1-381
	9	56002063	2	Wsh, Flt SAE 3/8
	10	56002127	1	Scr-Hex 3/8-16 X .75
	11	56002841	1	Nut, Hex Nyl Loc-Thin 3/8-16
	12	2-00-04873	2	Cable Clamp
		Service Kits		
	K1	56511891	1	Hardware Kit-Hydraulic Sys

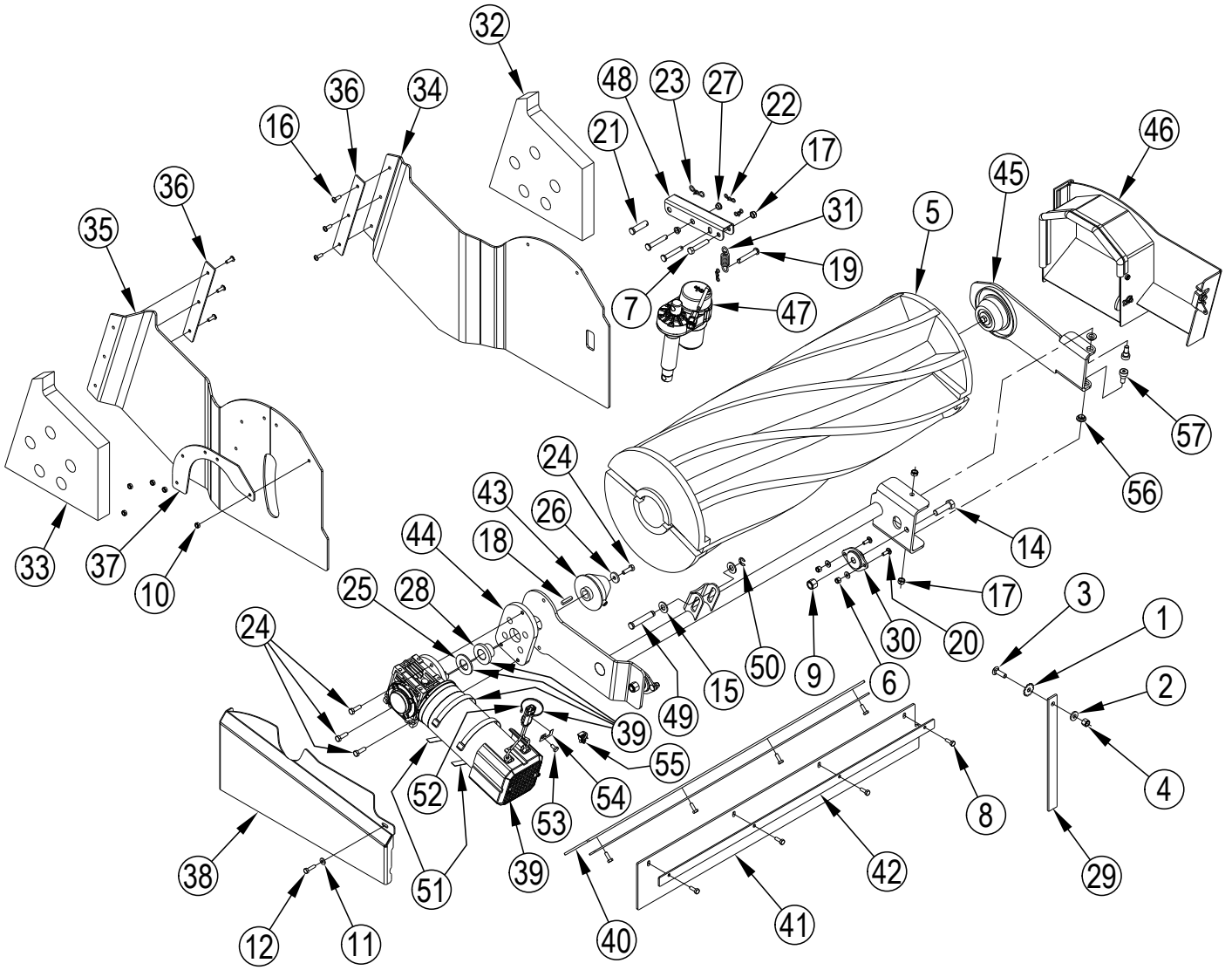
[ ] = Not Shown

Hose Description Key

DESCRIPTION = HOSE-HYD-A1-1A1-1A1-123 (See Page 5)

MAIN BROOM SYSTEM





MAIN BROOM SYSTEM

Kit	Item	Ref. No.	Qty	Description
K7	1		1	Lock Washer, 3/8 Int./Ext. Tooth
K7	2		1	Flat Washer, 1.00 X .39 X .06
	3	2-00-05187	1	3/8-16 X 1.0", Carriage Bolt
K7	4		1	Nut Hex Nyl Loc 3/8-16
	5	56394458	1	Main Broom Spiral
K6,K7	6		4	Nut-Hex Nyl Loc Ss 1/4-20
K5,K7	7		1	Scr- Hex Ss 3/8-16 X 2.00
K1,K7	8		8	Scr- Hex Ss 1/4-20 X .75
K6,K7	9		2	Nut-Hex Nyl Loc Ss 1/2-13
K7	10		5	Nut, Hex Nyl Loc-Thin Ss 1/4-20
K6,K7	11		5	Wsh-Flt Sae Ss 1/4
K7	12		1	Scr- Hex Ss 1/4-20 X 1.00
K6,K7	14		2	Scr- Hex Ss 1/2-13 X 1.75
K6,K7	15		2	Wsh-Flt Sae Ss 1/2
K4,K7	16		6	Scr-Pan Phil Ss 1/4-20 X .75
K5,K6,K717			3	Nut Hex Nyl Loc-Thin Ss 3/8-16
K6,K7	18		1	Key, Sq .25 X 1.19
K5,K7	19		3	Pin-Clevis .375 X 2.25
K6,K7	20		4	Scr-Carriage Ss 1/4-20 X .75
K5,K7	21		1	Pin-Clevis .50 X 1.75
K5,K7	22		3	Pin-Bow-Tie Cot 1/4-3/8x.072
K5,K7	23		1	Pin-Bow-Tie Cot 7/16-1/2x.091
K2,K6,K724			4	Scr-Hex Loc Ss 5/16-18 X 1.00
K2,K7,K825		56004012	1	Wsh-Flt 18-8 Ss-1.062x2x.13
K6,K7	26		1	Wsh, Flt Harden .344x1.000x.120/.135
K5	27		2	Bearing, Flange
K2,K8	28	56384760	1	Guard-String
	29	56416517	1	Strap,Static, 12.5"
K6	30		2	Bearing
K5	31		1	Spring-Extension
K4	32		1	Foam-Right Skirt
K4	33		1	Foam-Left Skirt
K4	34		1	Skirt-Right
K4	35		1	Skirt-Left
K4	36		2	Strap-Skirt
	37	56509520	1	Strap-Left Skirt
	38	56509525	1	Panel Weldment
K2,K9,K10	39		1	Broom Motor Assembly **M1**
K3	[ ]		1	Brush Kit-Motor **(for Broom Motor Assy)**
K1	40		1	Flap-Broom Recirc
K1	41		1	Skirt-Broom Rear
K1	42		2	Strap-Broom Rear
K6	43		1	Broom Drive Hub Assembly
K6	44		1	Broom Support Weldment
	45	56394114	1	Broom Arm Assembly **NOTE 1**
	45a	56003314	1	Ring, Retainer
	45b	56003338	1	Scr-Hex Loc SS 3/8-16 X .75
	45c	56009195	1	Wsh-Flt .406 X 1.25 X .164
	45d	56479430	2	Bearing Ball
	45e	56394113	1	Broom Arm Weldment
	45f	56509726	1	Hub-Broom Idler
	46	56511187	1	Broom Door Assembly
	46a	56002850	2	Nut, Hex Nyl Loc-Thin SS 1/4-20
	46b	56002859	3	Wsh-Flt SAE SS 1/4
	46c	56002937	3	Scr-Hex Loc SS 5/16-18 X .62
	46d	56003221	2	Scr-Hex Loc SS 1/4-20 X .75
	46e	56003717	1	Scr, Soc Shd .31 X .25 X 1/4-20
	46f	56003844	1	Scr- Hex SS 1/4-20 X .88
	46g	56413802	1	Latch, Rh
	46h	56511116	1	Broom Door Weldment
	46i	56509612	1	Seal-Broom Door
	46j	56509754	1	Arm-Stop
K5	47		1	Actuator-Lin-36v-51mm Stroke **M6**
K5	48		1	Bracket-Spring
K6	49		1	Pin-Clevis-Grooved-Ss .5x2.75
K6	50		1	Retaining Ring-E Style-Ss .5
K2,K9	51	56477613	2	Cable Tie E00549 Re409s
K2,K9	52	56478246	1	Cable Tie E00549 Re438ba
K2,K9	53		1	Scr Hex Thd Form 1/4-20x.50
K2,K9	54		1	Clip-Mount-Tie Down
	55	56386407	1	Clip E00360
	56	56413211	2	Bearing Flange .625x.500x.250
K6,K7	57		2	Scr Soc Hd Shd .50x.38x3/8-16

			Main Brooms
	56394458	1	Main Broom Spiral
*	33018856	1	Broom-Main Nylon
*	33018857	1	Broom-Main Prolene

Service Kits

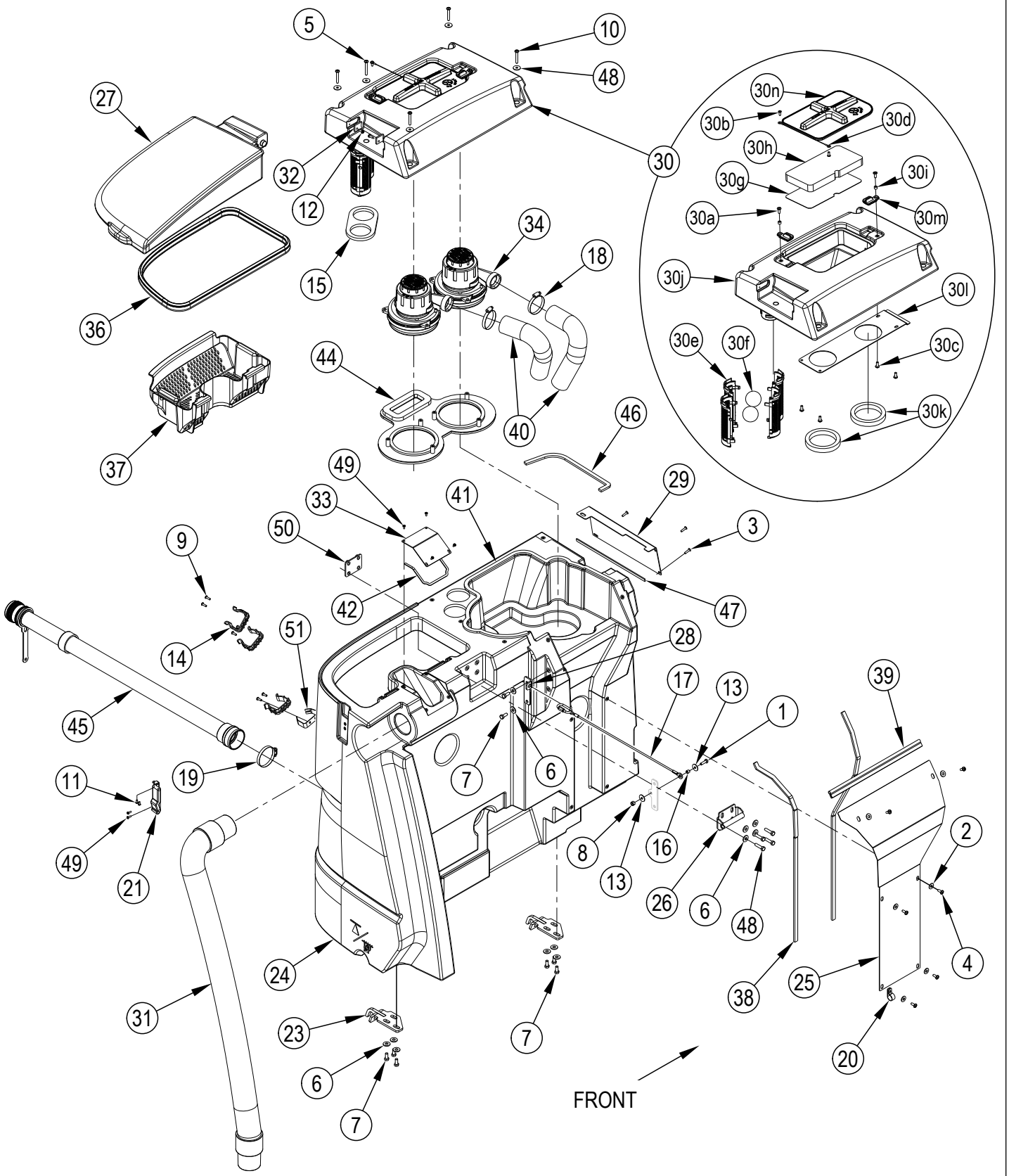
K1	56510739	1	Strap Kit-Broom Rear
K2	56510740	1	Motor Kit-Broom **M1**
K3	56422152	1	Brush Kit-Motor **(for Broom Motor Assy)**
K4	56510741	1	Skirt Kit-Broom
K5	56511898	1	Actuator Kit-Main Broom
K6	56510804	1	Support Kit-Main Broom
K7	56511882	1	Hardware Kit-Main Broom
K8	56384904	1	String Guard Kit
K9	56384531	1	Motor Only Kit-Main Broom
K10	56385366	1	Motor Repair Kit

* = Optional, Not Included

[ ] = Not Shown

NOTE 1: If you need to replace the old Broom Arm Assembly 56511186, please order the Broom Arm Kit 56394115.

RECOVERY SYSTEM



RECOVERY SYSTEM

Kit	Item	Ref. No.	Qty	Description
K5	1		1	Scr, Hex 1/4-20 X .88
K5	2		6	Wsh, Flt Std 1/4
K5	3		3	Screw M5x20 Wn1451 Black Zn
K5	4		6	Scr-Pan Phil 1/4-20 X .62
K5	5		1	Scr-Pan Phil S.S. 1/4-20 X 2.0
K5,K6	6		12	Wsh, Flt Std 5/16
K5,K6	7		8	Scr, Hex Hd Loc 5/16-18 X .75
K5	8		1	Nut, Hex Nyl Loc 1/4-20
K4,K5	9		6	Scr, Pan Phil SS 10-24 X .62
K5	10		4	Scr Pan Phil SS 1/4-20 X 1.75
K5	11		2	Scr, Pan Phil SS 8-32 X .38
K5	12		2	Scr Panphils Type Ab 10-16x.75
K5	13		2	Wsh, Flt .266 X .906 X .060
K4	14#		3	Clamp, Plastic
	15#	56386202	2	Gasket – Dual - Inlet
	16	56368989	1	Bushing
	17	56382992	1	Cable Assy-Quick Link-19.5 In
	18	56440213	2	Clamp- Hose SAE #32
K3	19		1	Clamp- Hose SAE #36
	20	56486112	1	Clamp-P
	21	56507188	1	Latch
K6	23		2	Tank Pivot Weldt
	24	56394245	1	Tank-Recovery
	25	56509285	1	Exhaust Cover
	26	56509304	1	Latch Pin Weldment
K1	27	56509350	1	Cover - Recovery Tank
	28	56509355	1	Tether Hook
	29	56509364	1	Plate-Cover
	30		1	Vac Fan Cover Assy
K5	30a		2	Scr Pan Phil SS 1/4-20 X .62
K5	30b		2	Scr, Pan Phil Plastite 10-14 X .50
K5	30c		4	Scr, Pan Phil Type B 1/4-14 X .62
	30d	56314400	1	Wire Rope, 9 Inch
K2	30e		4	Cage, Float
K2	30f		2	Ball, Float
	30g	56413194	1	Screen, Filter
	30h	56413195	1	Filter
	30i	56453849	2	Bushing .26x.37x.28
	30j	56509201	1	Cover-Vac Fan
	30k	56511945	2	Gasket – Motor - Inlet
	30l	56511732	1	Plate - Vac - Top
	30m	56510695	2	Latch-Plastic
	30n	56510701	1	Lid Assy-Vac Filter
		56314491	1	Gasket Vac Cover

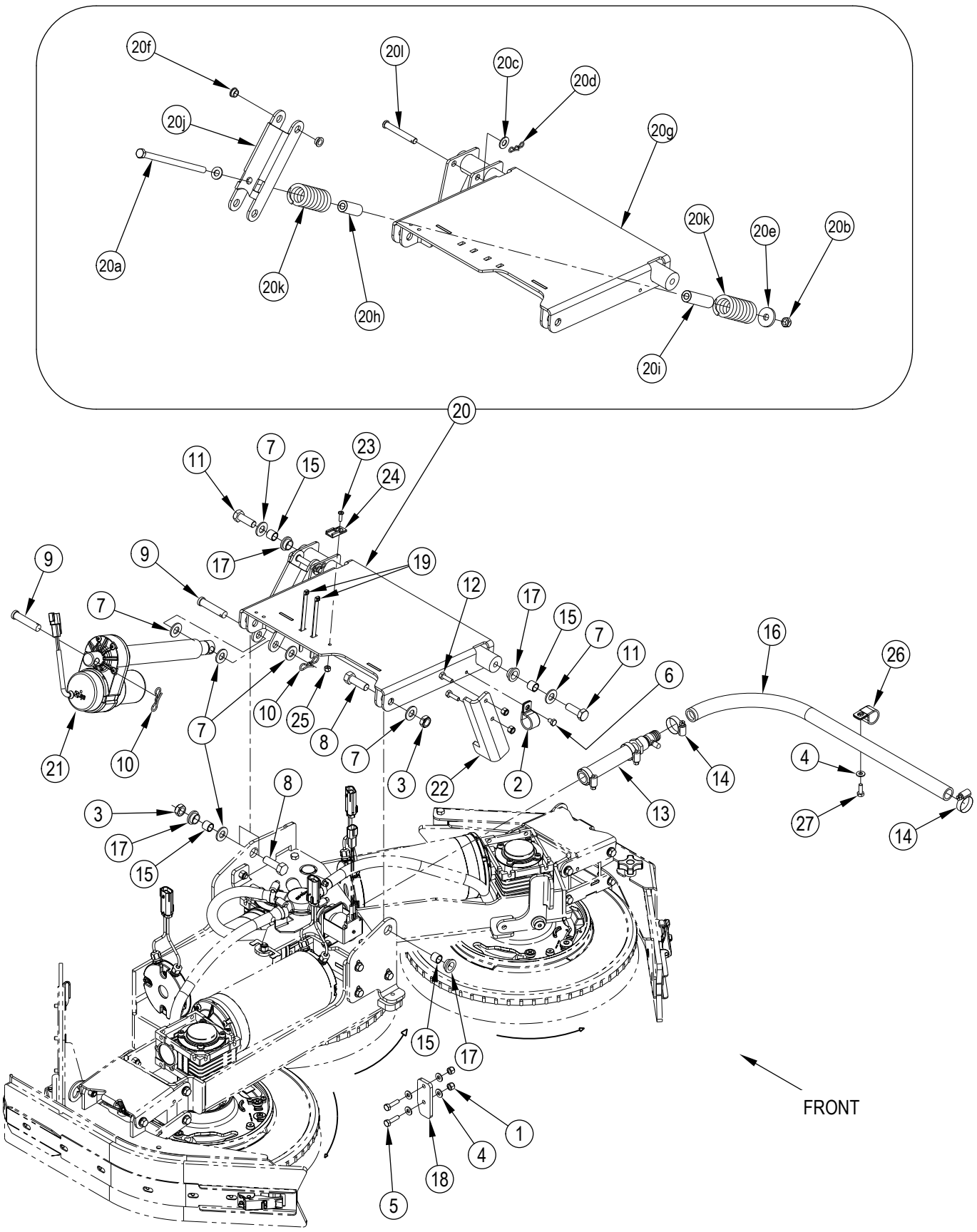
Kit	Item	Ref. No.	Qty	Description
	31	56509985	1	Hose-Squeegee
	32	56510143	2	Tab-Hinge
	33	56510189	1	Plate-Inlet
	34	56511400	2	Motor-Vac-42vdc-17000RPM-.75HP **M4 / M5**
K7	[ ]		1	Vacuum Motor Brush Kit
K1	36	56510232	1	Gasket-Recovery Cover
	37	56510611	1	Debris Basket
	38	56510674	2	Gasket-Cover
	39	56510676	1	Trim-Seal
	40	56510677	2	Foam Tube Assy
	41	56510678	1	Gasket-Tank
	42	56510679	1	Gasket-Inlet Plate
K5	43		5	Wsh-Flt SS .266 X .906 X .060
	44	56511738	1	Vacuum Plate Assy-Bottom
K3	45		1	Drain Hose Ribbed
	46	56511189	1	Gasket-Panel
	47	56511190	1	Gasket-Cover
	48	56003372	4	Scr Hex Loc Ss 5/16-X18x 1.25
	49	56116865	6	Screw M4x12 Wn1451 Black Zn
	50	56394349	1	Plate Weldment
	51	56385477	1	Clip-Spring

Service Kits

K1	56510580	1	Lid Kit-Rec
K2	56510583	1	Float Ball Cage Kit
K3	56383261	1	Drain Hose Kit
K4	56510586	1	Clip Kit-Drain Hose
K5	56511889	1	Hardware Kit-Recovery System
K6	56510584	1	Pivot Kit-Rec Tank
K7	56116107	1	Vacuum Motor Brush Kit

= Revised or new since last update

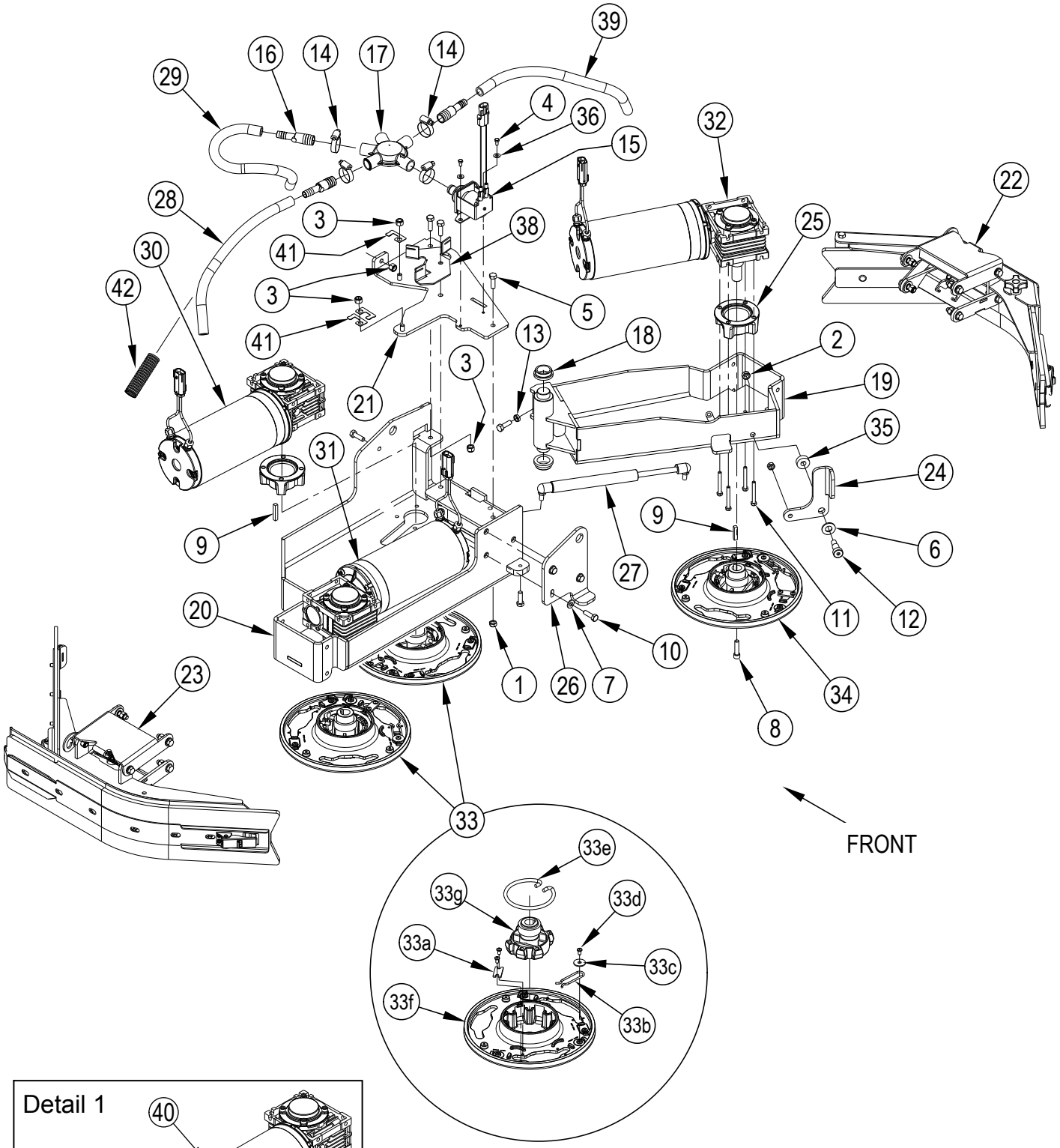
SCRUBBING SYSTEM-1



SCRUBBING SYSTEM-1

Kit	Item	Ref. No.	Qty	Description
K1	1		6	Nut, Hex Nyl Loc SS 1/4-20
	2	56303651	2	Clamp P Cl-16
K1	3		2	Nut, Hex Nyl Loc-Thin SS 1/2-13
K1	4		5	Wsh-Flt SAE SS 1/4
K1	5		2	Scr- Hex SS 1/4-20 X 1.00
K1	6		1	Scr Hex Thd Form 1/4-20x .38
K1	7		8	Wsh-Flt SAE SS 1/2
K1	8		2	Scr- Hex SS 1/2-13 X 1.50
K1	9		2	Clevis Pin
K1	10		2	Pin- Bow-Tie Cotter 7/16 - 1/2
K1	11		2	Scr-Hex Loc SS M12-1.75 X 35mm
K1	12		2	Scr- Hex SS 1/4-20 X .88
	13	56510946	1	Chem. Injection Tee Assy
	14	56244969	3	Clamp- Hose SAE #12
	15	56367206	4	Bushing
	16	56510948	1	Hose-.75 X 21.50 In. Spiral
	17	56420160	4	Bearing, Flange
	18	56510625	1	Stop-Scrub Deck
	19	2-00-04345	2	Ty-Rap Thomas+Betts-Ty-28m
	20		1	Arm-Deck Lift Assembly
	20a	56003845	1	Scr, Hex SS 3/8-16 X 7.00
	20b	56002852	1	Nut, Hex Nyl Loc-Thin SS 3/8-16
	20c	56002910	2	Wsh-Flt SAE SS 3/8
	20d	56003813	1	Pin- Bow-Tie Cotter 1/4 - 3/8
	20e	56009195	1	Wsh-Flt .406 X 1.25 X .164
	20f	56324505	2	Bearing, Flange
	20g	56511162	1	Deck Lift Weldment
	20h	56509186	1	Spacer-.385 X .75 X 1.75
	20i	56509189	1	Spacer-.385 X .75 X 2.56
	20j	56511146	1	Arm-Lift Spring
	20k	56601470	2	Compression Spring
	20l	2-00-06075	1	Pin Clevis 3/8 X 2.625
	21	56511263	1	Actuator-Lin-36v-152 Mm Stroke **M17**
	22	56509622	1	Bracket-Positive Stop
	23	56002124	1	Screw10-24 X .62 Pnh Ph
	24	56511941	1	Clip-Deutsh Connector
	25	56002836	1	Nut Hex Nyl Loc Ss 10-24
	26	56303651	2	Clamp P Cl-16
	27	56002807	1	Scr Hex Ss 1/4-20 X .75
		Service Kits		
	K1	56511886	1	Hardware Kit-Scrub Sys

SCRUBBING SYSTEM-2



SCRUBBING SYSTEM-2

Kit	Item	Ref. No.	Qty	Description
K1,K2	1		2	Nut, Hex Nyl Loc-Thin SS 5/16-18
K1,K2	2		1	Nut, Hex Nyl Loc-Thin SS 3/8-16
K1,K2	3		6	Nut, Hex Nyl Loc SS 5/16-18
K1,K2	4		2	Scr- Hex SS 10-24 X .38
K1,K2	5		5	Scr- Hex SS 5/16-18 X 1.00
K1,K2	6		1	Wsh-Flt SAE SS 1/2
K1,K2	7		3	Wsh-Flt SAE SS 5/16
K1,K2	8		3	Scr-Soc Hd SS 5/16-18 X 1.25
K1,K2	9		3	Key, Sq .25 X 1.44
K1	10		4	Scr-Hex Loc SS 5/16-18 X 1.00
K1	11		12	Scr-Hex Loc SS M6-1 X 50mm
K1	12		1	Scr-Soc Shd .50 X .75 X 3/8-16
K1	13		1	Nut-Hex Jam SS 5/16-18
K3	14	56244969	4	Clamp- Hose SAE #12
	15	56511832	1	Valve-Solenoid Assy-36v **L1**
	16	56315625	3	Barb, Coupler 1/2 X 3/4
K3	17	56413426	1	Manifold, Solution
	18	56507767	2	Bearing, Fl 1 Id X 1-1/4 Od X 1/2 L
	19	56511129	1	Arm-Weldment
	20	56511158	1	Deck-Weldment
	21	56511159	1	Plate-Pivot
	22		1	Assembly-Side Squeegee **(see pages 90-91)**
	23		1	Assembly-Side Squeegee **(see pages 92-93)**
	24	56511210	1	Bracket-Lever Arm
	25	56510005	3	Spacer-Motor
	26	56511126	1	Bracket-Scrub Adjustment
	27	56510144	1	Spring-Gas
	28	56510287	1	Hose-Push Lock 14
	29	56510288	1	Hose-Push Lock 17.5

Kit	Item	Ref. No.	Qty	Description
	30	56511937	1	Gearmotor Assy-Center **M13 / M14**
	[ ]	56422152	1	Brush Kit **(for 56511937)**
	31	56511935	2	Gearmotor Assy-Left **M13 / M14**
	[ ]	56422152	1	Brush Kit **(for 56511935)**
	32	56511936	1	Gearmotor Assy-Right **M15**
	[ ]	56422152	1	Brush Kit **(for 56511936)**
	33	56601276	2	Brush Plate Assy
	33a	56366455	1	Plate, Stop
	33b	56366463	1	Spring Retainer
	33c	56009002	1	Wsh, Flt .266 X .906 X .060
	33d	56009247	3	Scr, Pan Phil Plastite 10-14 X .38
	33e	56601056	1	Spring, Brush Holder
	33f	56601118	1	Brush Plate
	33g	56112521	1	Gimbal-Collar Assembly
	34	56601384	1	Brush Plate Assy **NOTE 1**
	35	56510990	1	Spacer .406x1.00x.370
K1	36		2	Wsh Flt SS .219x.500x.047/.062
K3	38		1	Bracket-Manifold
	39	56510289	1	Hose-Push Lock 16
	[40]		1	Scrub Motor Assembly (Imperial Scrub motor Assembly) **NOTE 2**
	[ ]	56510763	1	Brush Kit-Motor (For Imperial Scrub motor Assembly) **NOTE 2**
	41	56384494	3	Clip-Mount-Tie Down
	42	56394427	1	Conduit – ¾ ID x 3.5

Service Kits

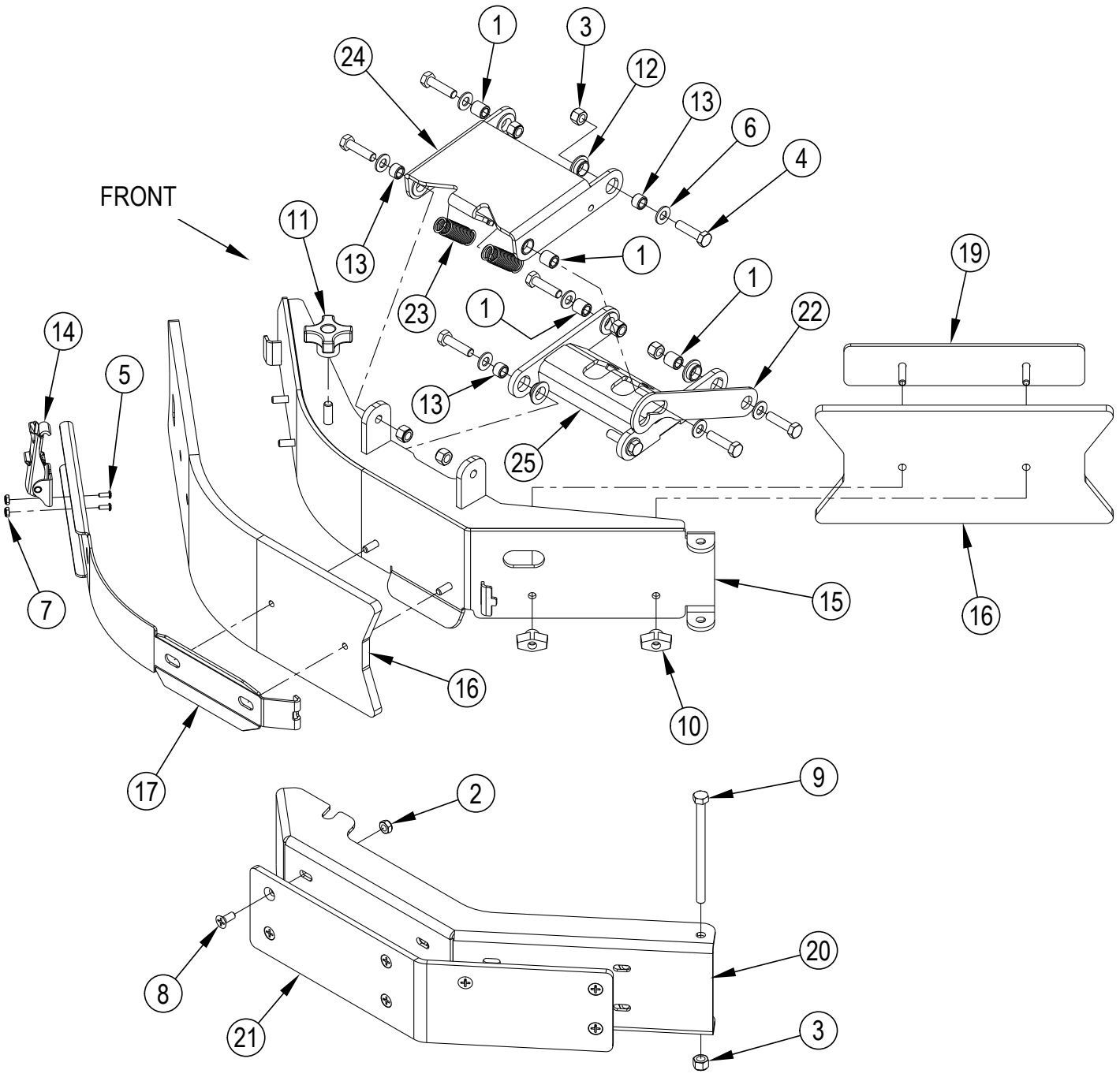
K1	56511886	1	Hardware Kit-Scrub Sys
K2	56510807	1	Hardware Kit-Deck Assy
K3	56384703	1	Manifold Bracket Kit

[ ] = Not Shown

NOTE 1: Uses same components as 56601276.

NOTE 2: Machines with Imperial Scrub Motor Assemblies require Brush Motor Kits 56510763.
See Detail 1 to identify the style of motor that requires this Brush Kit.

SCRUB SYSTEM-RIGHT SKIRT ASSEMBLY



SCRUB SYSTEM-RIGHT SKIRT ASSEMBLY

Kit	Item	Ref. No.	Qty	Description
			1	Assembly-Side Squeegee
K1	1		4	Bushing .31x.50x.53fc105c
K4	2		7	Nut, Hex Nyl Loc-Thin SS 1/4-20
K1,K3	3		9	Nut, Hex Nyl Loc SS 5/16-18
K1	4		8	Scr- Hex SS 5/16-18 X 1.25
K2	5		2	Scr, Pan Phil SS 6-32 X .38
K1	6		8	Wsh-Flt SAE SS 5/16
K2	7		2	Nut, Hex Nyl Loc-Thin SS 6-32
K4	8		7	Scr-Flt Phil SS 1/4-20 X .75
K3	9		1	Scr- Hex SS 5/16-18 X 4.50
K3	10		2	Knob, Wing
	11	56407303	1	Knob
K1	12		8	Bearing, Flange .625 X .500 X .250
K1	13		4	Bushing .32x.50x.35
K2	14		1	Latch Assembly
	15	56511160	1	Blade Support Weldment
	16	56510374	1	Blade Kit-Deck Linatex **NOTE 1**
K2	17		1	Strap-Blade
	19	56511275	1	Strap Weldment-Squeegee
	20	56511213	1	Guard-Edge Scrub
K4	21		1	Guard-Uhmw
K1	22	56510139	1	Plate-Catch
K1	23	56510254	2	Spring-Extension
K1	24		1	Arm-Side Squeegee Weldt
K1	25		1	Arm-Side Squeegee Weldt

Deck Blade Kits

	56510374	1	Blade Kit-Deck Linatex **NOTE 1**
*	56510375	1	Blade Kit-Deck Gum **NOTE 1**
*	56510376	1	Blade Kit-Deck PU **NOTE 1**

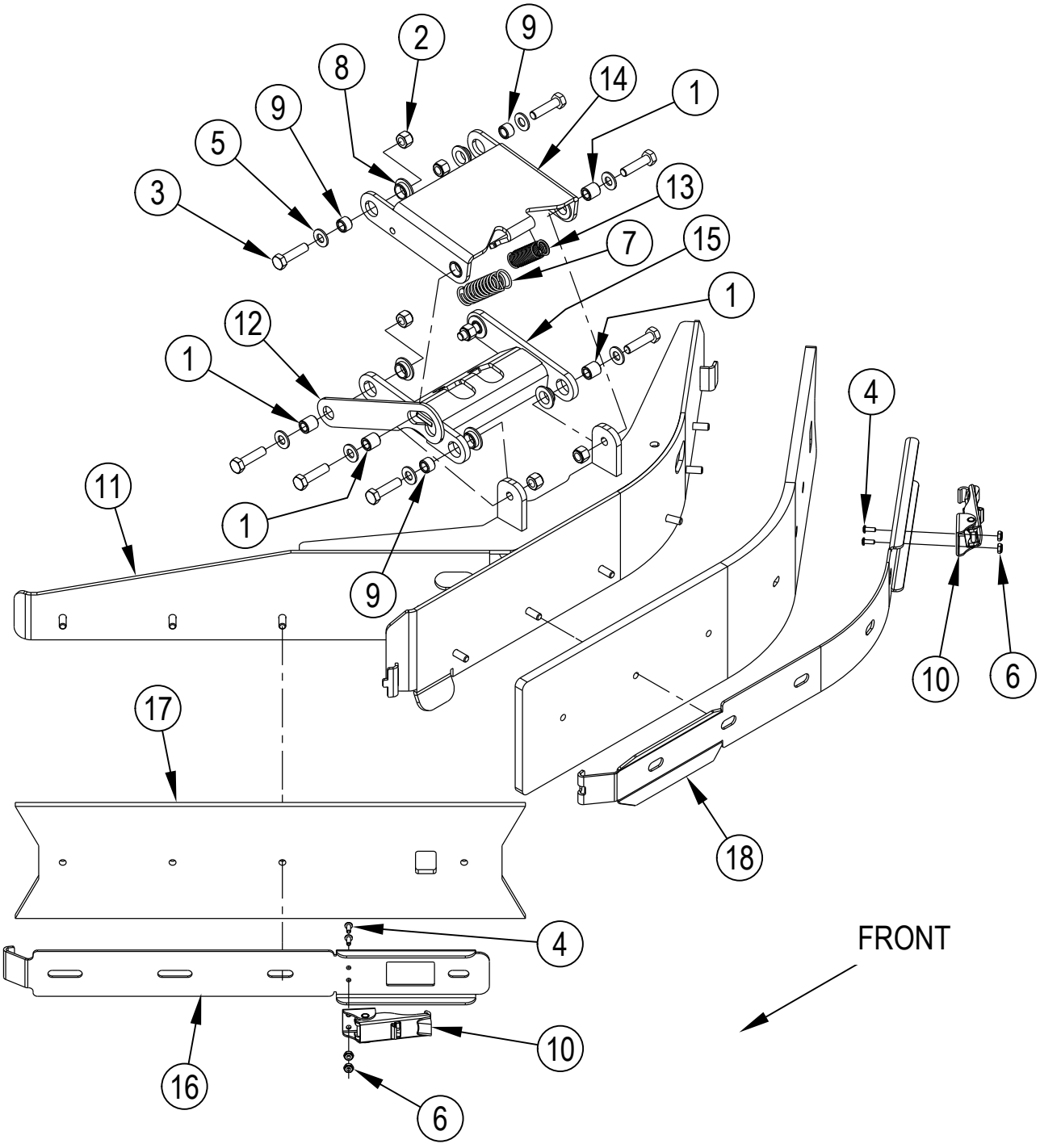
Service Kits

K1	56383050	1	Arm Kit-Right Side Squeegee
K2	56510811	1	Strap Kit-Side Squeegee
K3	56510812	1	Hardware Kit-Side Squeegee Rt
K4	56510813	1	Guard Kit-UHMW

* = Optional, Not Included

NOTE 1: All Deck Blade Kits include all blades for both skirt assemblies

SCRUB SYSTEM-LEFT SKIRT ASSEMBLY



SCRUB SYSTEM-LEFT SKIRT ASSEMBLY

Kit	Item	Ref. No.	Qty	Description
			1	Assembly-Side Squeegee
K1	1		4	Bushing .31x.50x.53fc105c
K1	2		8	Nut, Hex Nyl Loc SS 5/16-18
K1	3		8	Scr- Hex SS 5/16-18 X 1.25
K2,K3	4		4	Scr, Pan Phil SS 6-32 X .38
K1	5		8	Wsh-Flt SAE SS 5/16
K2,K3	6		4	Nut, Hex Nyl Loc-Thin SS 6-32
K1	7	56305253	1	Spring, Extension
K1	8		8	Bearing, Flange .625 X .500 X .250
K1	9		4	Bushing .32x.50x.35
K2,K3	10		2	Latch Assembly
	11	56511161	1	Blade Support Weldment
K1	12	56510139	1	Plate-Catch
K1	13	56510254	1	Spring-Extension
K1	14		1	Arm-Side Squeegee Weldt
K1	15		1	Arm-Side Squeegee Weldt
K2	16		1	Strap-Blade
	17	56510374	1	Blade Kit-Deck Linatex **NOTE 1**
K3	18		1	Strap-Blade

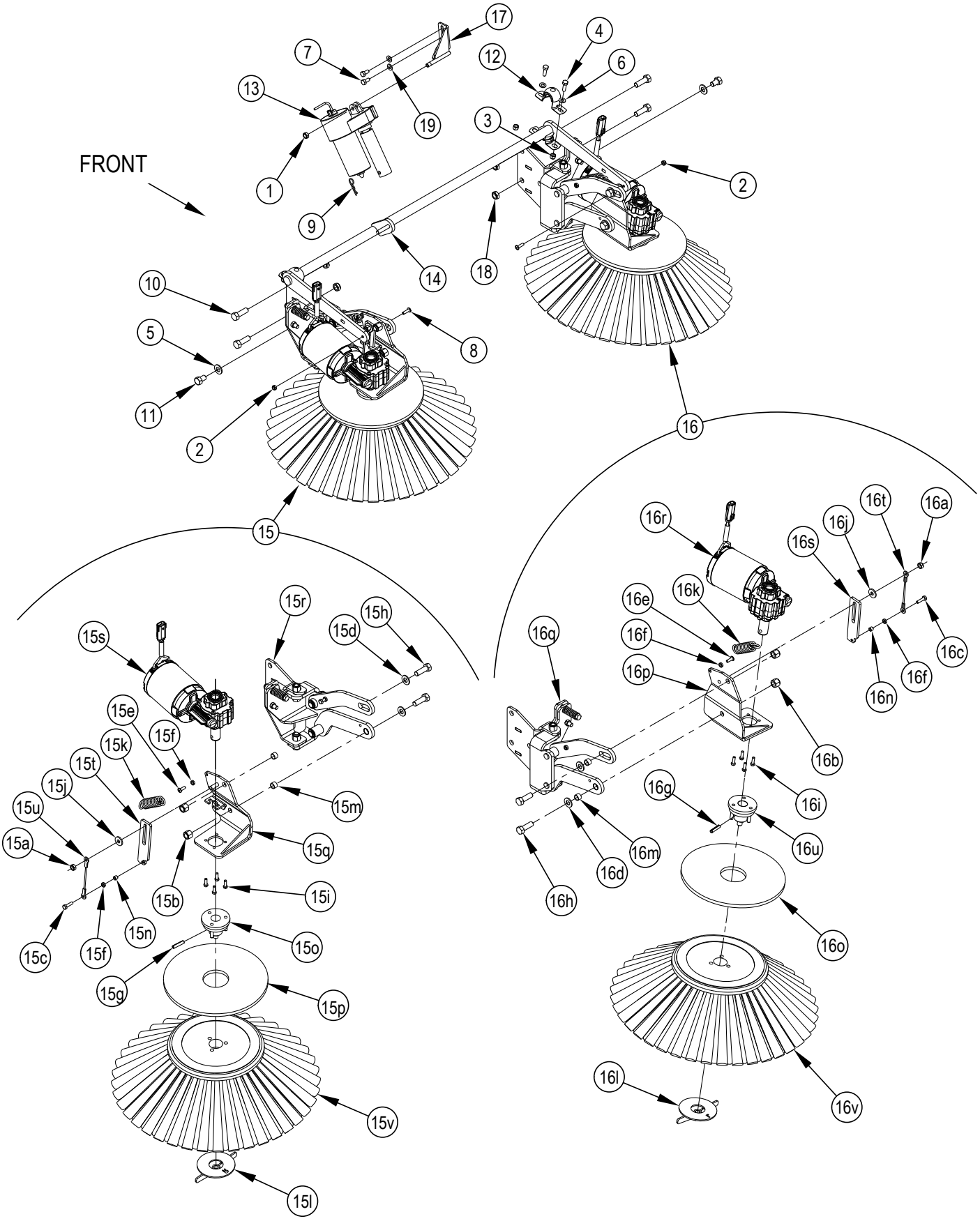
			Deck Blade Kits
	56510374	1	Blade Kit-Deck Linatex **NOTE 1**
*	56510375	1	Blade Kit-Deck Gum **NOTE 1**
*	56510376	1	Blade Kit-Deck PU **NOTE 1**

	Service Kits		
K1	56510810	1	Arm Kit-Left Side Squeegee
K2	56510883	1	Strap Kit-Side Squeegee LT FR
K3	56510882	1	Strap Kit-Side Squeegee LT RR

* = Optional, Not Included

NOTE 1: All Deck Blade Kits include all blades for both skirt assemblies

SIDE BROOM SYSTEM



SIDE BROOM SYSTEM

Kit	Item	Ref. No.	Qty	Description
K4	1		1	Nut, Hex Nyl Loc-Thin 3/8-16
K4	2		2	Nut, Hex Nyl Loc-Thin SS 1/4-20
K1,K4	3		4	Nut, Hex Nyl Loc SS 5/16-18
K1,K4	4		4	Scr- Hex SS 5/16-18 X 1.00
K4	5		2	Wsh-Flt SAE SS 1/2
K1,K4	6		4	Wsh-Flt SAE SS 5/16
K4	7		2	Scr, Hex Hd Loc
K4	8		2	Scr, Pan Phil SS 1/4-20 X .88
K4	9		1	Pin, Cotter Hair .0915 X .375
K4	10		4	Scr- Hex SS 1/2-13 X 1.50
K4	11	56003834	2	Scr-Hex Loc SS 1/2-13 X .75
K1	12		2	Bearing, Pillow Block
	13	56116781	1	Actuator-36v **M13 / M18**
	14	56511113	1	Side Broom Lift Weldt
	15		1	Right Side Broom Assy
K2	15a		1	Nut Hex Nyl Loc-Thin Ss 3/8-16
K2,K4	15b		2	Nut, Hex Nyl Loc SS 1/2-13
K2,K4	15c		1	Scr- Hex SS 1/4-20 X 1.00
K2,K4	15d		2	Wsh-Flt SAE SS 1/2
K2,K4,K515e			1	Scr, Pan Phil SS 1/4-20 X .75
K2,K4,K515f			2	Nut-Hex Jam SS 1/4-20
K4,K5	15g		1	Pin, Spr .31 X 1.38
K2,K4	15h		2	Scr- Hex SS 1/2-13 X 1.50
K4,K5	15i		4	Scr-Hex Loc Ss M6-1 X 20mm
K2,K4	15j		1	Wsh, Flt SS .378 X 1.000 X .120
K2	15k	56051136	1	Spring, Ext
	15l	56305731	1	Right Thumb Nut Weldt
K2	15m		2	Bushing
K2	15n		1	Bushing
	15o	56509046	1	Side Broom Hub Assy
	15p	56509048	1	Guard-Side Broom
K2	15q	56511652	1	Broom Motor Mount Weldment-Rs
K2	15r	56511195	1	Rt Sb Arm Assy **(see pages 96-97)**
K6	15s	56384565	1	Motor-42vdc-115rpm-0.4hp-Right **M3R**
	[ ]	56384521	1	Sidebroom Motor Brush Kit **(for 56384565 & 56384564)**
K2	15t		1	Bracket-Sb Lift
K2	15u	56510639	1	Cable Assy-.31 X 4.75
	15v	56510707	1	Broom-Side Poly

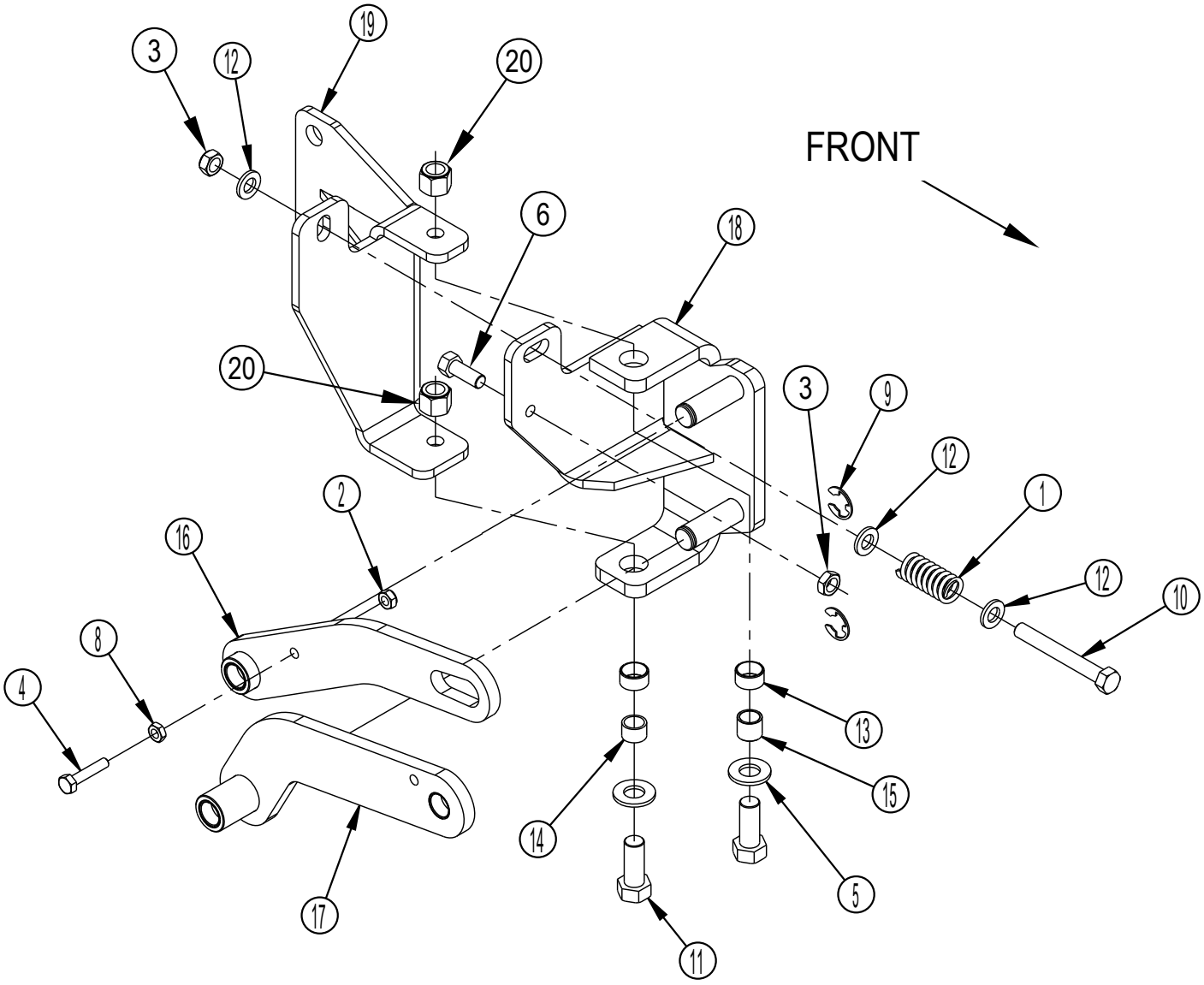
Kit	Item	Ref. No.	Qty	Description
	16		1	Left Side Broom Assy
K3,K4	16a		1	Nut Hex Nyl Loc-Thin Ss 3/8-16
K3	16b		2	Nut, Hex Nyl Loc SS 1/2-13
K3	16c		1	Scr- Hex SS 1/4-20 X 1.00
K3	16d		2	Wsh-Flt SAE SS 1/2
K3,K5	16e		1	Scr, Pan Phil SS 1/4-20 X .75
K3,K5	16f		2	Nut-Hex Jam SS 1/4-20
K5	16g		1	Pin, Spr .31 X 1.38
K3	16h		2	Scr- Hex SS 1/2-13 X 1.50
K5	16i		4	Scr-Hex Loc Ss M6-1 X 20mm
K3,K4	16j		1	Wsh, Flt SS .378 X 1.000 X .120
K3	16k	56051136	1	Spring, Ext
	16l	56305725	1	Left Thumb Nut Weldt
K3	16m		2	Bushing
K3	16n		1	Bushing
	16o	56509048	1	Guard-Side Broom
K3	16p	56511653	1	Broom Motor Mount Weldment-Ls
K3	16q	56511196	1	Lt Sb Arm Assy **(see pages 98-99)**
	16r	56384564	1	Motor-42vdc-115rpm-0.4hp-Left **M3L**
	[ ]	56384521	1	Sidebroom Motor Brush Kit **(for 56384565 & 56384564)**
K3	16s		1	Bracket-Sb Lift
K3	16t	56510639	1	Cable Assy-.31 X 4.75
	16u	56510680	1	Lt Sb Hub Assy
	16v	56510707	1	Broom-Side Poly
	17	56510954	1	Actuator Bracket Weldt
K4	18		4	Nut-Hex Nyl Loc-Thin SS 1/2-13
	19		2	Wsh-Flt SAE 5/16

Service Kits

K1	56510736	1	Bearing Kit-Side Broom
K2	56510767	1	Bracket Kit-Right Side Broom
K3	56510769	1	Bracket Kit-Left Side Broom
K4	56511883	1	Hardware Kit-Side Broom System
K5	56510822	2	Hardware Kit-Side Broom Assy

[ ] = Not Shown

RIGHT SIDE BROOM ARM ASSEMBLY



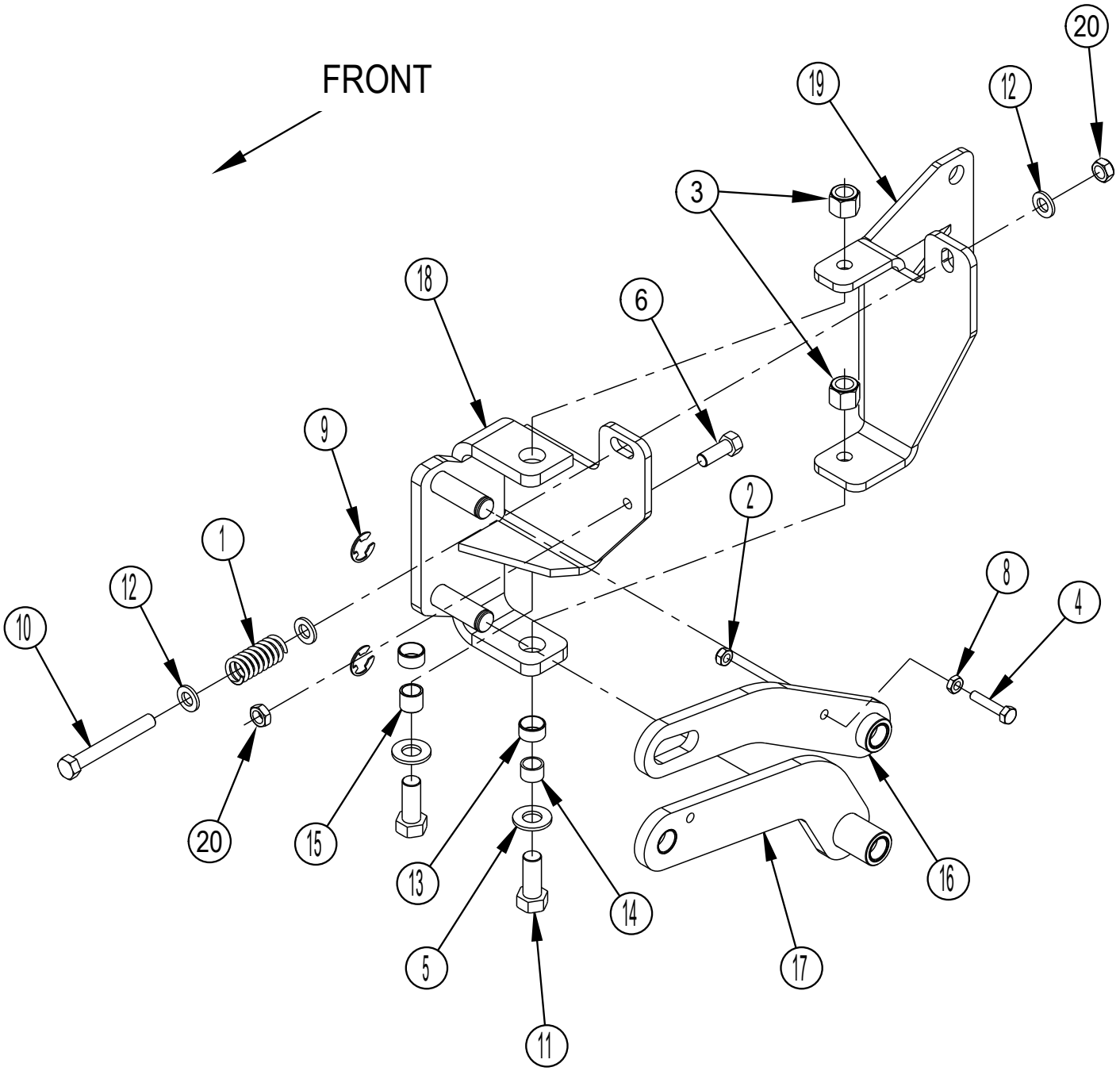
RIGHT SIDE BROOM ARM ASSEMBLY

Kit	Item	Ref. No.	Qty	Description
		56511195	1	RT SB Arm Assy
	1	56171123	1	Spring, Compression
K1	2		1	Nut, Hex Nyl Loc-Thin SS 1/4-20
	3		2	Nut, Hex Nyl Loc-Thin SS 3/8-16
K1	4		1	Scr- Hex SS 1/4-20 X 1.25
	5		2	Wsh-Flt SAE SS 1/2
	6		1	Scr Hex 3/8-16 X 1.00
	7			Intentionally Omitted
K1	8		1	Nut-Hex Jam SS 1/4-20
K1	9		2	Ring, Ret Ext Type E 0.62 Dia
	10		1	Scr- Hex SS 3/8-16 X 3.00
	11		2	Scr Hex S.S. 1/2-13 X 1.5
	12		3	Wsh-Flt .406x.750x.090
	13		2	Bearing, .719 X .625 X .375
	14		1	Bushing
	15		1	Bushing
K1	16		1	Upr Rt Arm Assy
K1	17		1	Lwr Rt Arm Assy
	18		1	Right Hinge Weldt
	19		1	Right Hinge Weldt
	20		2	Nut Hex Nyl Loc SS 1/2-13

Service Kits

K1	56382854	1	Arm Assy Kit-Rt

LEFT SIDE BROOM ARM ASSEMBLY



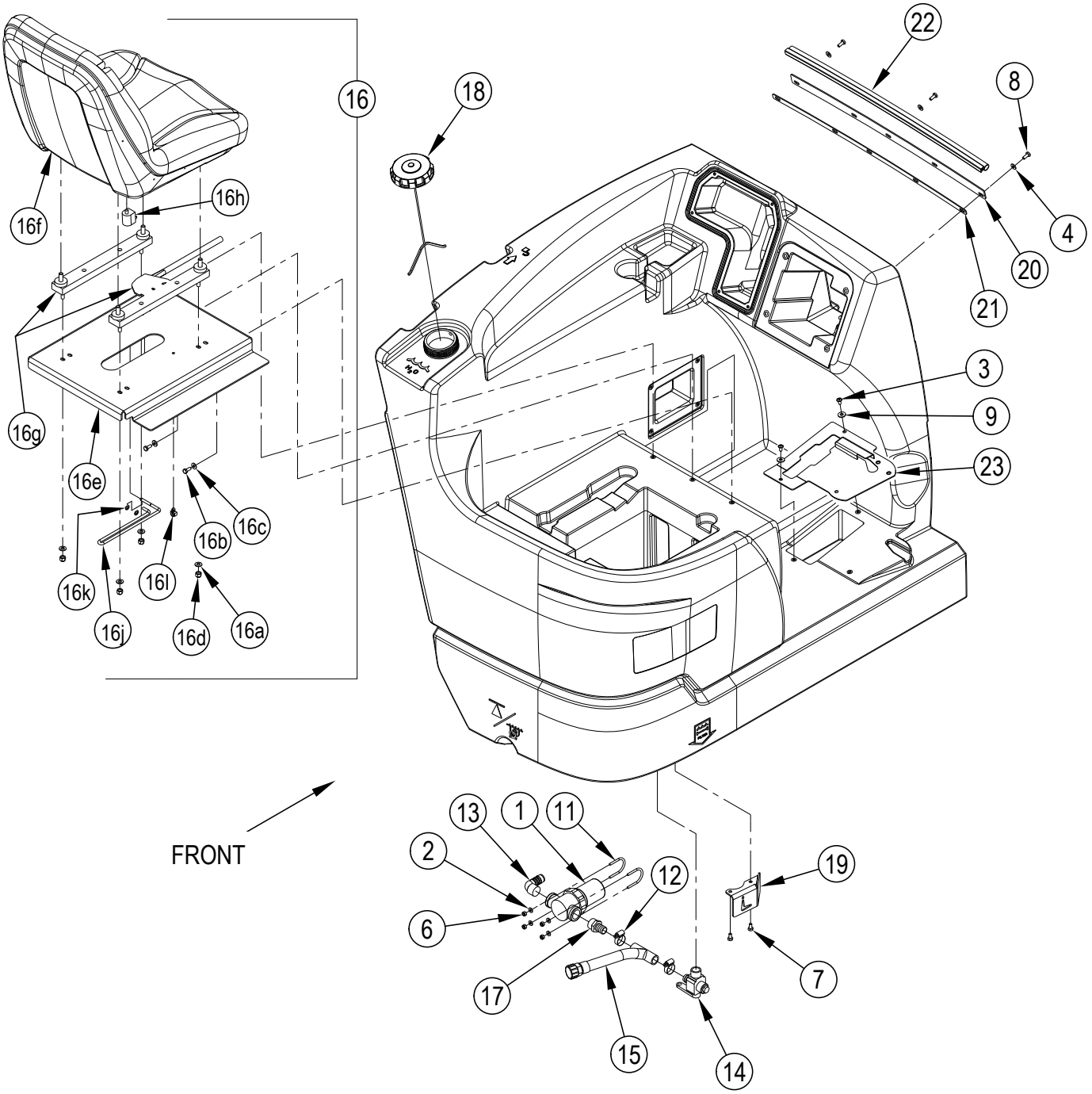
LEFT SIDE BROOM ARM ASSEMBLY

Kit	Item	Ref. No.	Qty	Description
		56511196	1	LT SB Arm Assy
	1	56171123	1	Spring, Compression
K1	2		1	Nut, Hex Nyl Loc-Thin SS 1/4-20
	3		2	Nut Hex Nyl Loc SS 1/2-13
K1	4		1	Scr- Hex SS 1/4-20 X 1.25
	5		2	Wsh-Flt SAE SS 1/2
	6		1	Scr Hex 3/8-16 X 1.00
	7			Intentionally Omitted
K1	8		1	Nut-Hex Jam SS 1/4-20
K1	9		2	Ring, Ret Ext Type E 0.62 Dia
	10		1	Scr- Hex SS 3/8-16 X 3.00
	11		2	Scr Hex S.S. 1/2-13 X 1.5
	12		3	Wsh-Flt .406x.750x.090
	13		2	Bearing, .719 X .625 X .375
	14		1	Bushing
	15		1	Bushing
K1	16		1	Upr Lt Arm Assy
K1	17		1	Lwr Lt Arm Assy
	18		1	Left Hinge Weldt
	19		1	Left Hinge Weldt
	20		2	Nut, Hex Nyl Loc-Thin SS 3/8-16

Service Kits

K1	56382855	1	Arm Assy Kit-Lt

SOLUTION SYSTEM-1

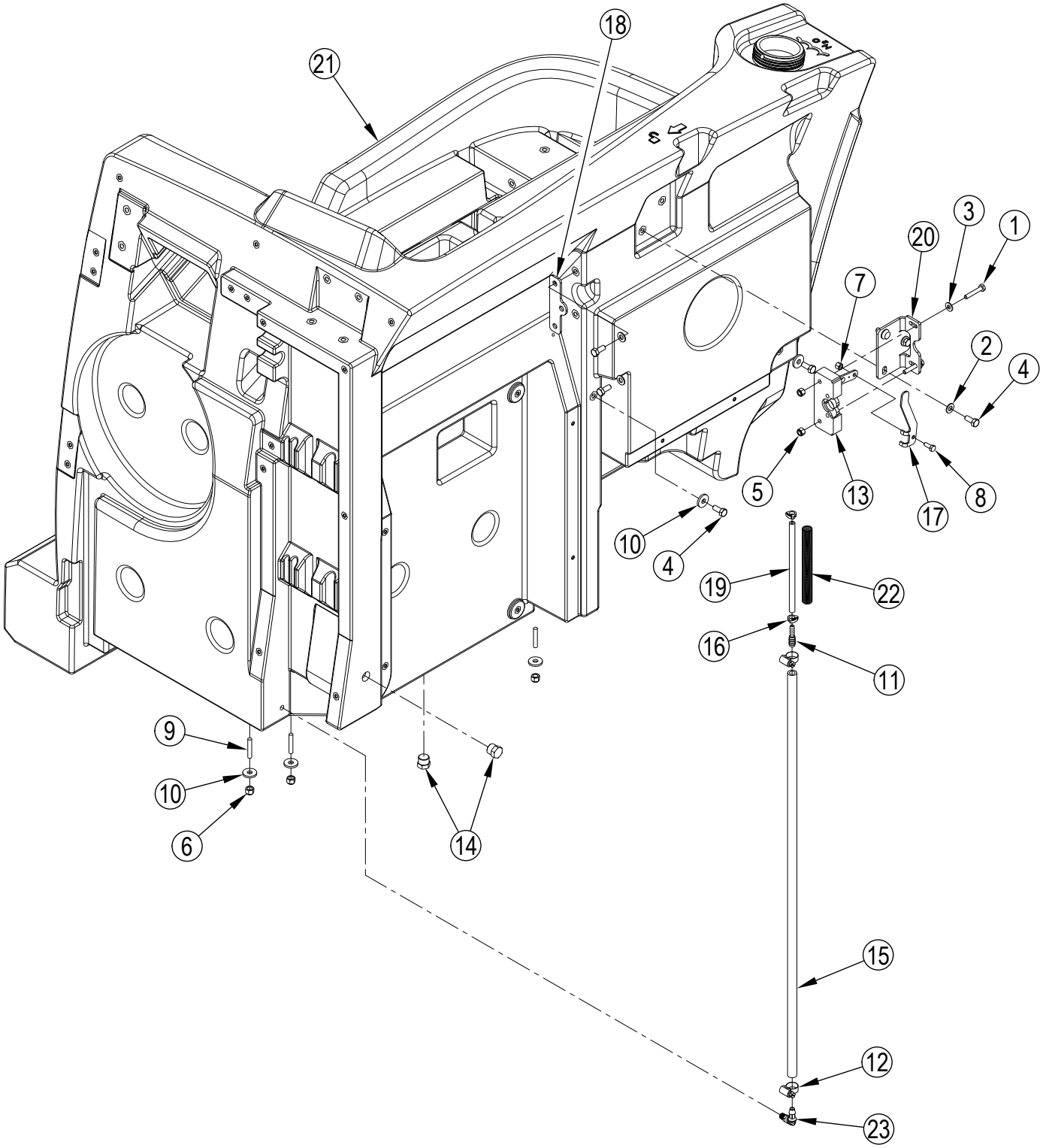


SOLUTION SYSTEM-1

Kit	Item	Ref. No.	Qty	Description
K1	1	56407162	1	Filter
	[ ]	56384157	1	Gasket-Filter **(for 56407162)**
K1,K2	2		4	Wsh, Flt SAE #10
K2	3	56003119	4	Scr Pan Phil Ss 1/4-20 X .50
K2	4		3	Wsh, Flt SAE 1/4
K1,K2	6		4	Nut, Hex Nyl Loc 10-24
K1,K2	7		2	Scr- Hex SS 1/4-20 X .50
K2	8		5	Scr, Hex Hd Loc 1/4-20x.62
K2	9		2	Wsh Flt Std Ss 1/4
K1	11	56110318	2	U-Bolt 10-24 X R.69
K1	12		2	Clamp- Hose SAE #10
K1	13	56305545	1	Barb, 90 Elbow 3/4 X 3/4 Npt
K1	14		1	Valve-Solution
K1	15	56383049	1	Hose Assy
	16	56394236	1	Seat Assembly
	16a	56001939	4	Wsh, Flt SAE 5/16
	16b	56002922	3	Scr Hex Loc 1/4-20 X .62
	16c	56002098	3	Wsh, Flt SAE 1/4
	16d	56002701	4	Nut, Hex Nyl Loc 5/16-18
	16e	56394209	1	Seat Mount Weldment
	16f	56383291	1	Seat
	16g	7-72-05005	1	Slide, Seat
	16h	7-82-00050	1	Switch **SW3**
	16l	56315382	1	Clip Conduit
	16j	56394235	1	Rod-Prop
	16k	56003268	2	Ring Ret Ext Type E Reinf
K1	17	56900292	1	Barb, Adapter 3/4 X 3/4npt
	18	56510442	1	Cap-Extra Vent
K1	19		1	Shield-Valve
	20	56510540	1	Plate-Seal
	21	56510542	1	Plate-Spacer
	22	56510590	1	Bulb Seal
	23	56394201	1	Cover Weldment
		Service Kits		
	K1	56383052	1	Filter Kit-Solution
	K2	56511887	1	Hardware Kit-Solution System

[ ] = Not Shown

SOLUTION SYSTEM-2



SOLUTION SYSTEM-2

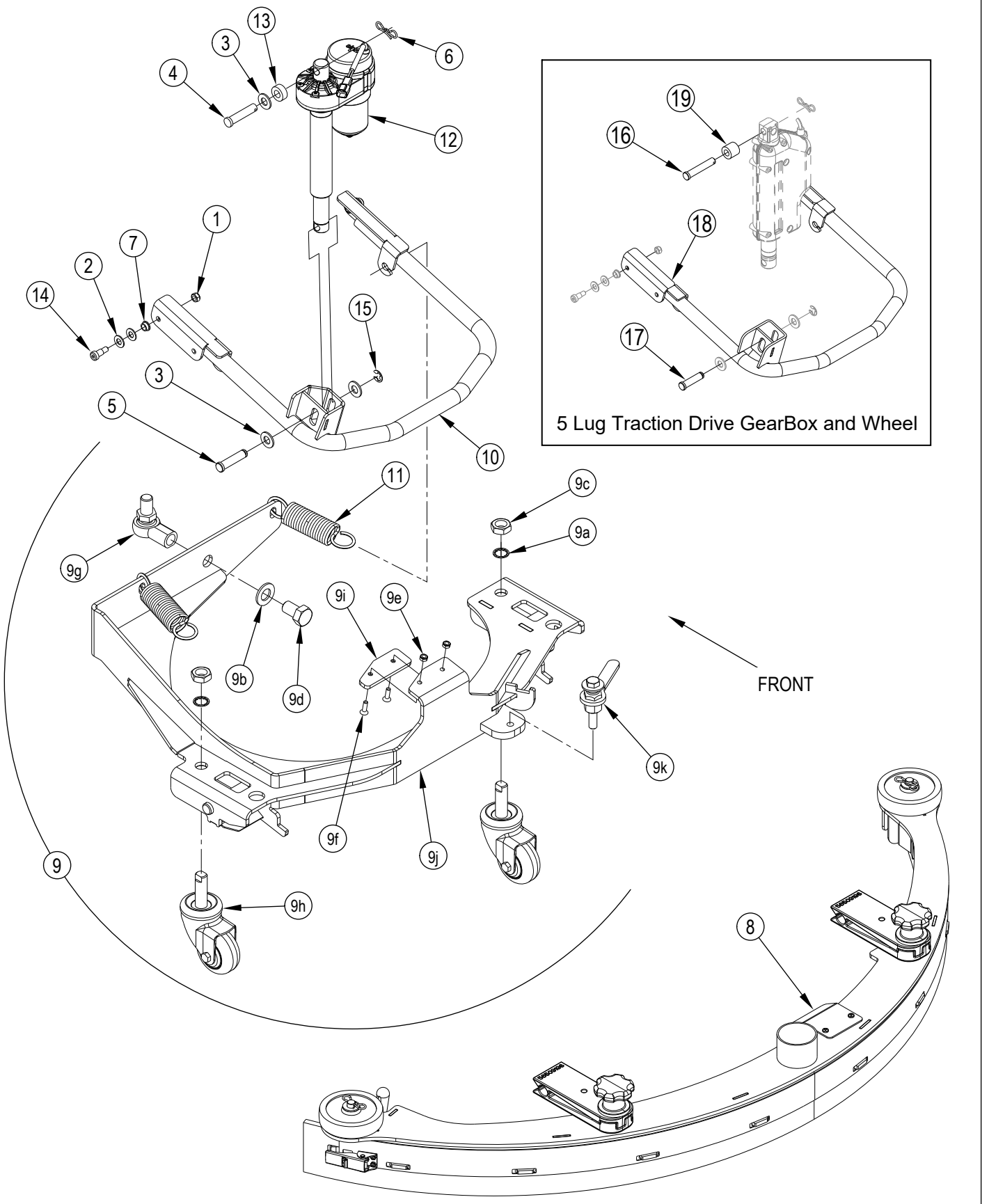
Kit	Item	Ref. No.	Qty	Description
K2,K3	1	56001833	2	Scr-Hex 1/4-20 X 1.50
K2,K3	2	56001939	5	Wsh, Flt Sae 5/16
	3	56002098	2	Wsh, Flt Sae 1/4
K2,K3	4	56002667	7	Scr-Hex 5/16-18 X .75
K2,K3	5	56002708	2	Nut, Hex Nyl Loc 1/4-20
K2	6	56002856	3	Nut-Hex Nyl Loc Ss 5/16-18
	7	56003426	1	Nut, Hex Nyl Loc Ss M6-1
K2,K3	8	56003431	1	Scr-Hex Ss M6-1 X 16mm
K2	9	56003665	3	Threaded Stud, Stainless
K2	10	56009122	5	Wsh, Flt .344 X .938 X .125
K3	11	56104312	1	Reducer Barb
	12	56219932	2	Clamp- Hose Sae #6
K3	13	56304827	1	Latch, Rh
	14	56305547	2	Plug, 1/2 Hex Pipe
	15	56317083	1	Hose Polybraid
	16	56384956	2	Clamp-Hose
K3	17	56509362	1	Handle-Recovery Latch
	18	56509363	1	Hook-Tether
	19	56510659	1	Tube-Tygon
K3	20	56511123	1	Bracket-Latch Mount
	21	56511578	1	Tank-Solution **NOTE 1**
	21#	56394200	1	Tank-Solution **NOTE 2, NOTE 3**
	21#	56394526	1	Tank-Solution **NOTE 4**
	22	56511954	1	Loom-Corrugated-1/2x6
	23	56511955	1	Barb-90-Elbow-3/8x1/8 Npt

	Service Kits		
K2	56511887	1	Hardware Kit-Solution System
K3	56510594	1	Latch Kit-Rec Tank

= Revised or new since last update

NOTE 1: All machines built before serial number 1000071239 use the old Solution Tank 56511578.
NOTE 2: All machines built after serial number 1000071238 use the new Solution Tank 56394200.
NOTE 3:# Solution Tank 56394200 and 5 Lug Traction Drive Gearbox and Drive Wheel used on machines before serial number 1000073661.
NOTE 4:# Solution Tank 56394526 and 7 Lug Traction Drive Gearbox and Drive Wheel used on machines after serial number 1000073660.

SQUEEGEE SYSTEM



SQUEEGEE SYSTEM

Kit	Item	Ref. No.	Qty	Description
K1	1		2	Nut, Hex Nyl Loc-Thin SS 5/16-18
K1	2		4	Wsh-Flt SAE SS 3/8
K1,K2	3		2	Wsh-Flt SAE SS 1/2
K2	4#		1	Pin-Clevis .500 X 2.25 **NOTE 2**
K2	5#		1	Pin-Clevis-Grooved-SS .5 x 2.13 **NOTE 2**
K2	6		1	Pin- Bow-Tie Cotter 7/16 - 1/2
K1	7		2	Bearing, Flange
	8	56511216	1	Assembly-Squeegee Tool **(includes Linatex Rubber Blades) (see pages 106-107)**
	9		1	Assembly-Squeegee Support
K1,K3	9a		2	Washer, Int. Shake Pr
K1,K5	9b		1	Wsh, Flt SAE 3/4
K1,K3	9c			Nut Hex Jam 3/4-10
K1,K5	9d		1	Scr, Hex 3/4-16 X 1.25 Grade8
K1,K4	9e		2	Nut, Hex Nyl Loc-Thin SS 1/4-20
K1,K4	9f		2	Scr-Flt Phil SS 1/4-20 X .88
K5	9g		1	Rod End
K3	9h		2	Caster-Squeegee
K4	9i		1	Pad-Squeegee Lift
	9j	56511280	1	Support Weldment
	9k	56510168	1	Handle-Adjustment
	10#	56394645	1	Squeegee Lift Arm Weldment **NOTE 2**
	11	56509246	2	Spring-Extension
	12	56511259	1	Actuator-Lin-36v-89mm Stroke **M16**
K2	13#		1	Spacer-Actuator **NOTE 2**
K1	14		2	3/8 Shoulder Screw 1/2lg 5/16-18thrd
K2	15		1	Retaining Ring-E Style-SS .5
K2	16#		1	Pin-Clevis .500 X 2.25 **NOTE 1**
K2	17#		1	Pin-Clevis-Grooved-SS .5 x 2.13 **NOTE 1**
	18#	56509241	1	Squeegee Lift Arm Weldment **NOTE 1**
K2	19#		1	Spacer-Actuator **NOTE 1**

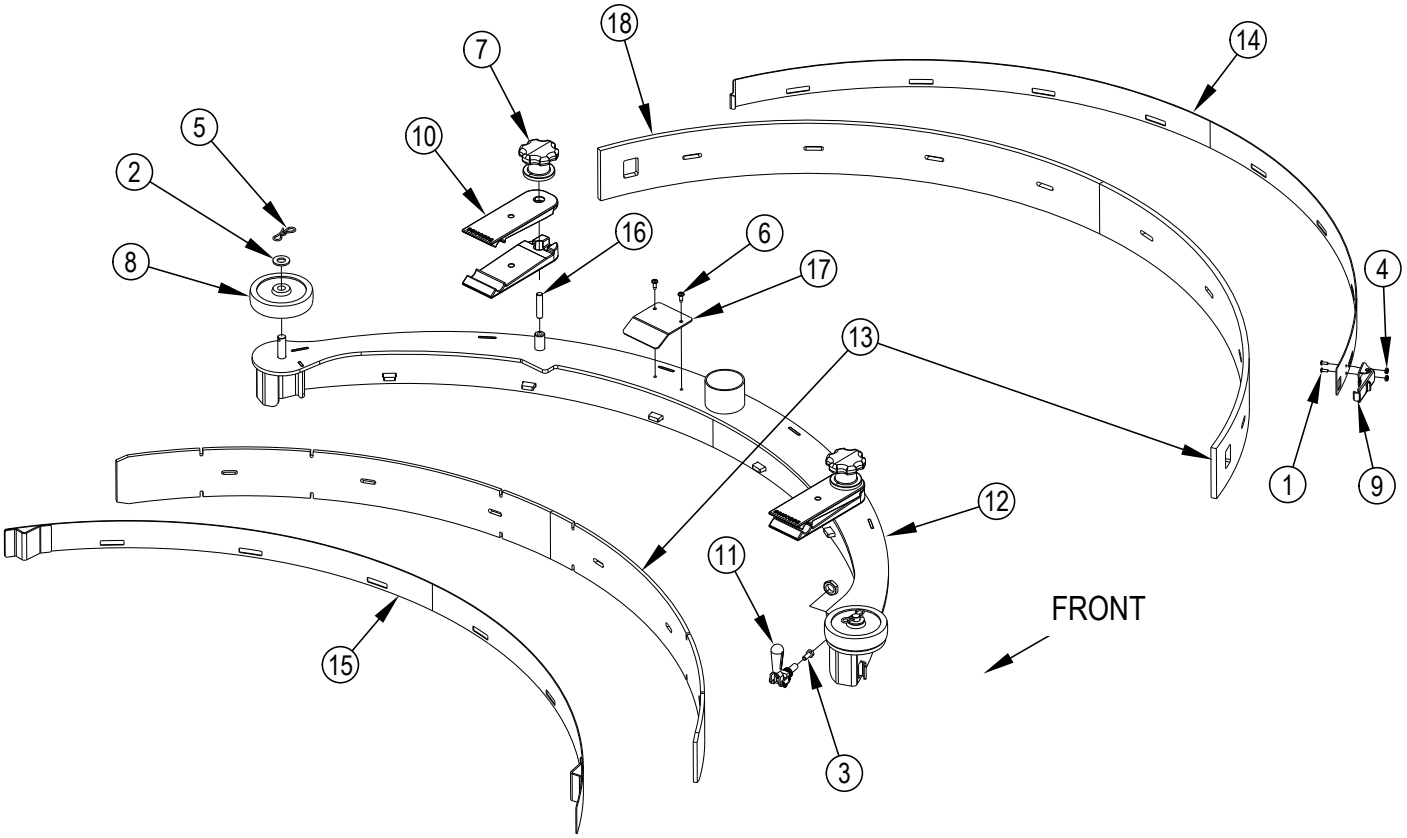
Service Kits

K1	56511881	1	Hardware Kit-Squeegee Sys
K2#	56510768	1	Hardware Kit-Squeegee Actuator
K3	56510817	1	Caster Kit-Squeegee
K4	56510828	1	Pad Kit-Squeegee Lift
K5	56510829	1	Rod End-Squeegee

= Revised or new since last update

NOTE 1:# Sqeegee Lift Arm 56509241 and 5 Lug Traction Drive Gearbox and Drive Wheel used on machines before serial number 1000073661.
NOTE 2:# Sqeegee Lift Arm 56394645 and 7 Lug Traction Drive Gearbox and Drive Wheel used on machines after serial number 1000073660.

SQUEEGEE ASSEMBLY



SQUEEGEE ASSEMBLY

Kit	Item	Ref. No.	Qty	Description
		56511216	1	Assembly-Squeegee Tool
K1,K3	1		2	Scr-Pan Phil SS 6-32 X .38
K4	2		2	Wsh-Flt SAE SS 1/2
K1,K5	3		1	Scr-Hex Loc SS 1/4-20 X .62
K1,K3	4		2	Nut-Hex Nyl Loc-Thin SS 6-32
K1,K3,K4	5		2	Pin-Bow-Tie Cotter 7/16 - 1/2
K1,K5	6		2	Scr Pan Phil Loc Ss 10-24 X .50
	7	56109704	2	Knob-Squeegee
K4	8	56111639	2	Wheel
K3	9		1	Latch Assembly
K2	10		4	Clip-Squeegee
	11	56509203	1	Clamp-Push Pull
	12		1	Squeegee Weldment **NOTE 2**
	13	56510371	1	Blade Kit-Sqgee-Linatex **NOTE 1**
	14	56509219	1	Strap-Squeegee
	15	56509220	1	Strap-Weldment
	16	56510151	2	Stud - 3/8-16x1.75
	17	56510153	1	Plate-Adjustment
	18	56394403	1	Blade-Sq Rear-Linatex **NOTE 3**
		56394404	1	Blade-Sq Rear-Gum **NOTE 3**
		56394405	1	Blade-Sq Rear-Pu **NOTE 3**
				Squeegee Blade Kits
		56510371	1	Blade Kit-Sqgee-Linatex **NOTE 1**
	*	56510372	1	Blade Kit-Squeegee Gum **NOTE 1**
	*	56510373	1	Blade Kit-Squeegee PU **NOTE 1**
		Service Kits		
	K1	56511881	1	Hardware Kit-Squeegee Sys
	K2	56510830	1	Clip Kit-Squeegee
	K3	56510831	1	Latch Kit-Squeegee
	K4	56510832	1	Wheel Kit-Squeegee
	K5	56510833	1	Hardware Kit-Squeegee Tool

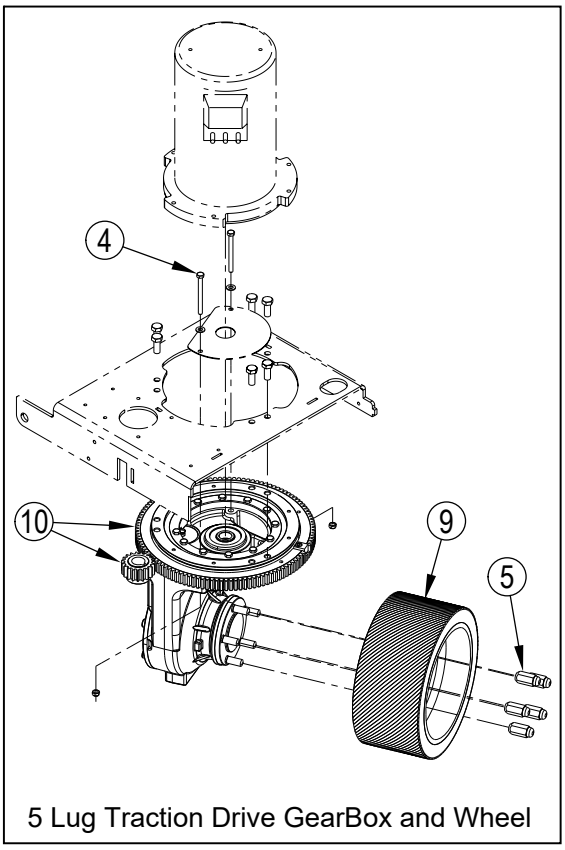
* = Optional, Not Included

NOTE 1: All squeegee blade kits include both front and rear squeegee blades.

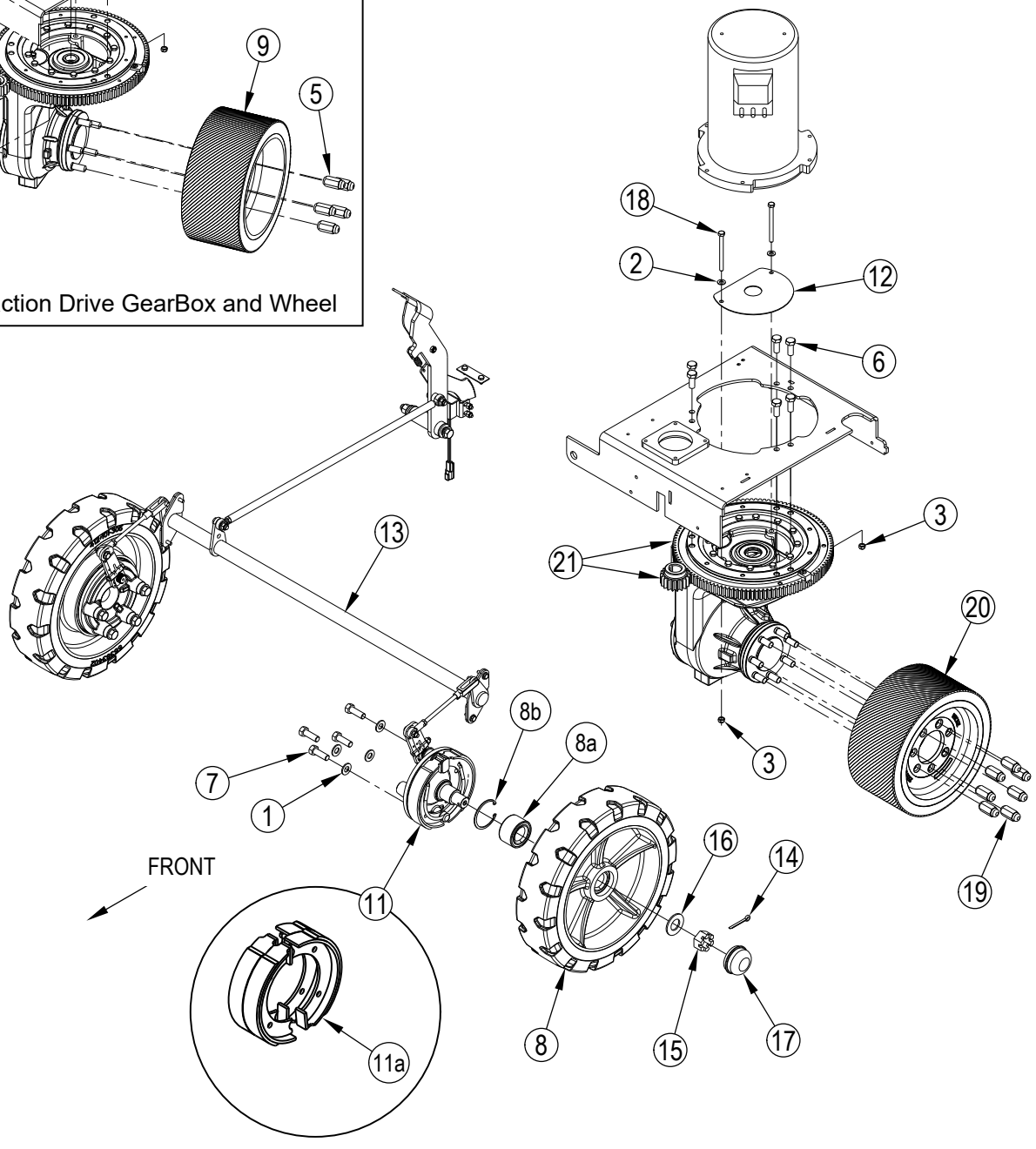
NOTE 2: The squeegee weldment is not available for sale separately. If you need to replace it please order the entire squeegee assembly 56511216.

NOTE 3: If you need to replace the rear squeegee blades, they are available for sale separately.

WHEEL SYSTEM



5 Lug Traction Drive GearBox and Wheel



WHEEL SYSTEM

Kit	Item	Ref. No.	Qty	Description
K1,K5	1#		8	Wsh-Flt Sae 1/2
K1,K4,K5	2#		2	Wsh, Flt Sae 5/16
K1,K4,K5	3#		2	Nut, Hex Nyl Loc-Thin 5/16-18
K1,K4	4#		2	Scr-Hex 5/16-18 X 3.50 **NOTE 1**
K1,K3	5#		5	Nut Lug M14x1.5 **NOTE 1**
K1,K5	6#		6	Scr, Hex Loc M12-1.75 X 30mm
K1,K5	7#		8	Scr, Hex Loc 1/2-20 X 1.50 Grade 8
	8	56383402	2	Wheel-Mold-On 16.2x4
	8a	56509532	1	Bearing-Wheel **(for 56383402)**
	8b	56509533	1	Ring-Snap **(for 56383402)**
	9#	56509157	1	Wheel-Drive 310x140 **NOTE 1**
K2	10#	56509195	1	Gearbox-Traction Drive **NOTE 1**
	11	56509664	2	Brake & Spindle Assembly
K4	12		1	Shield-Splash
	13		1	Brake Linkage Assy **(see pages 110-111)**
	13a	56510762	1	Brake Shoe Kit **(for 56509664 contains 4 brake shoes)**
	14	2-00-02436	2	Pin, Cotter
	15	2-00-05026	2	1" X 14 Slotted Nut
	16	56004012	2	Washer, Spacer
	17	8-11-00030	2	Grease Cap
K5	18#	56003325	2	Scr-Hex 5/16-18 x 3.75 **NOTE 2**
K5	19#		7	Nut Lug M14x1.5 **NOTE 2**
	20#	56394536	1	Wheel-Drive 310x140 **NOTE 2**
K2	21#	56394535	1	Gearbox - Traction Drive **NOTE 2**

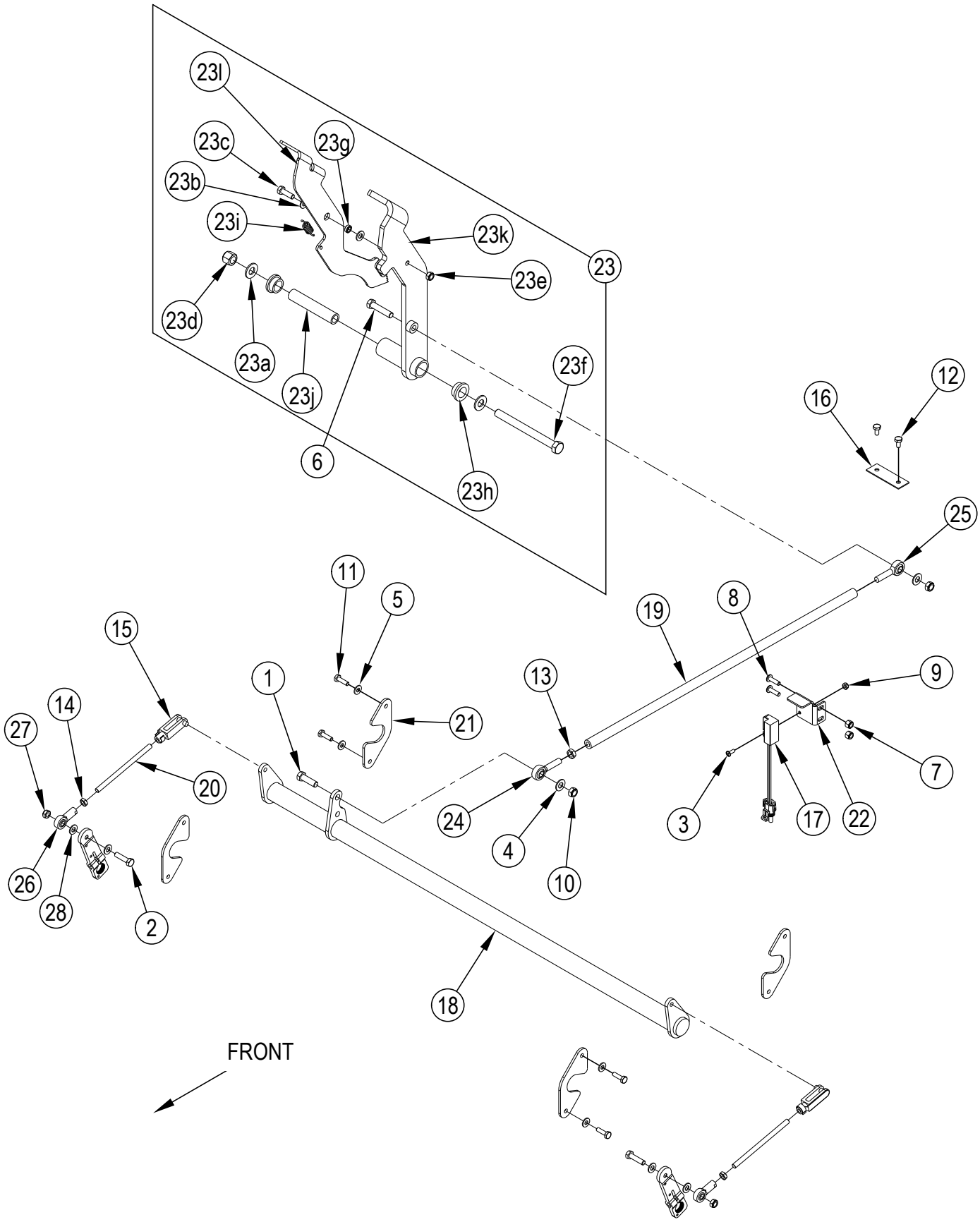
Service Kits

K1#	56511880	1	Hardware kit-Wheel System
K2#	56510825	1	Ring/Pinion Gear Kit-Steering **(for 56509195)**
K3#	56510738	1	Lug Nut Kit
K4#	56510737	1	Motor Kit-Drive
K5#	56394633	1	Hardware kit-Wheel System

= Revised or new since last update
[ ] = Not Shown
* = Optional, Not Included

NOTE 1:# 5 Lug Traction Drive Gearbox and Drive Wheel used on machines before serial number 1000073661.
NOTE 2:# 7 Lug Traction Drive Gearbox and Drive Wheel used on machines after serial number 1000073660.

WHEEL SYSTEM-BRAKE LINKAGE ASSEMBLY



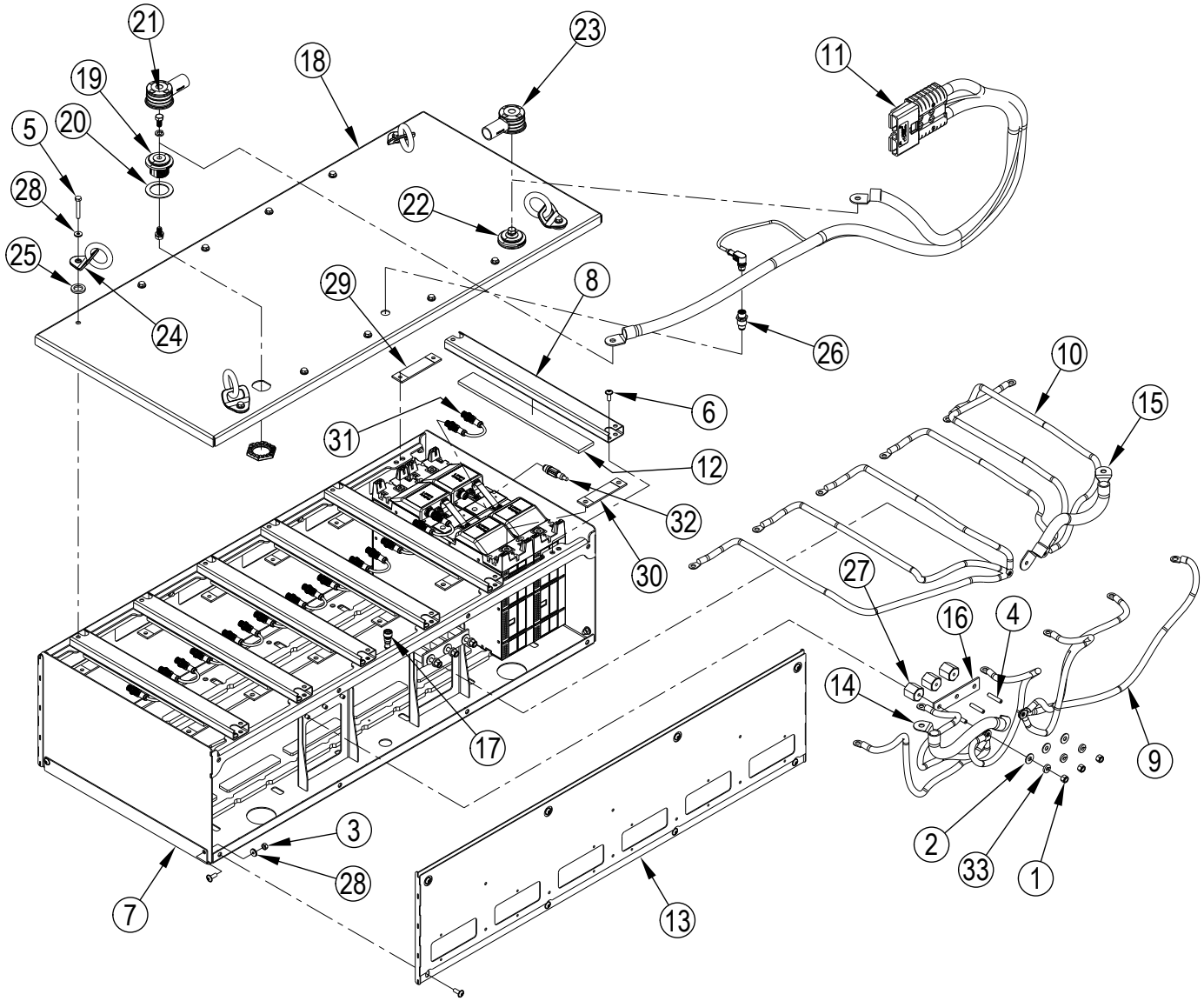
WHEEL SYSTEM-BRAKE LINKAGE ASSEMBLY

Kit	Item	Ref. No.	Qty	Description
K2	1		1	Scr, Hex 3/8-16 X 1.25
K2	2		2	Scr Hex 5/16-18 X 1.25
K2	3		1	Scr-Pan Phil 10-24 X .50
K1,K2	4		2	Wsh, Flt SAE 3/8
K2	5		4	Wsh, Flt SAE 1/4
K1,K2	6		1	Scr, Hex 3/8-16 X 1.75
K2	7		2	Nut, Hex Nyl Loc 1/4-20
K2	8		2	Scr-Pan Phil 1/4-20 X .88
K2	9		1	Nut, Hex Nyl Loc-Thin 10-24
K1,K2	10		2	Nut, Hex Nyl Loc-Thin 3/8-16
K2	11		4	Scr,Hex Hd Loc 1/4-20x.88
K1,K2	12		2	Scr, Hex Thd Form 1/4-20 X .50
K2	13		1	Nut, Hex Jam 3/8-24
K2	14		2	Nut Hex Jam 5/16-24
	15	56416089	2	Clevis Assembly
K1	16	56304543	1	Catch, Brake Lock
	17	56511830	1	Sensor-Proximity **SW9**
	18	56509365	1	Weldt-Brake Bar
	19	56509368	1	Rod-Brake
	20	56509369	2	Rod-Brake
	21	56509370	4	Pivot-Brake
	22	56511139	1	Bracket-Switch Mount
K1	23		1	Brake Pedal Assy
K1	23a		2	Wsh-Flt SAE 1/2
K1	23b		2	Wsh, Flt SAE 5/16
K1	23c		1	Scr, Hex 5/16-18 X 1.00
K1	23d		1	Nut-Hex Nyl Loc 1/2-13
K1	23e		1	Nut, Hex Nyl Loc-Thin 5/16-18
K1	23f		1	Scr, Hex 1/2-13 X 5.50
K1	23g		1	Bushing .323 X .500 X .180
K1	23h		2	Bearing, Fl 1.000x.750x.500
K1	23i		1	Spring, Extension
K1	23j		1	Bushing-.520 X .750 X 3.995
K1	23k		1	Brake Pedal Weldt
K1	23l		1	Pedal-Park Brake
	24	2-00-06016	1	Rod End, 3/8-24 Rh
	25	2-00-06017	1	Rod End, 3/8-24 Left Hand
	26	56418478	2	Rod End .31
K2	27		2	Nut Hex Nyl Loc-Thin 5/16-18
K2	28		4	Wsh Flt SAE 5/16

Service Kits

K1	56510786	1	Brake Pedal Kit
K2	56510785	1	Hardware Kit-Brake Linkage

LI-ON BATTERY SYSTEM

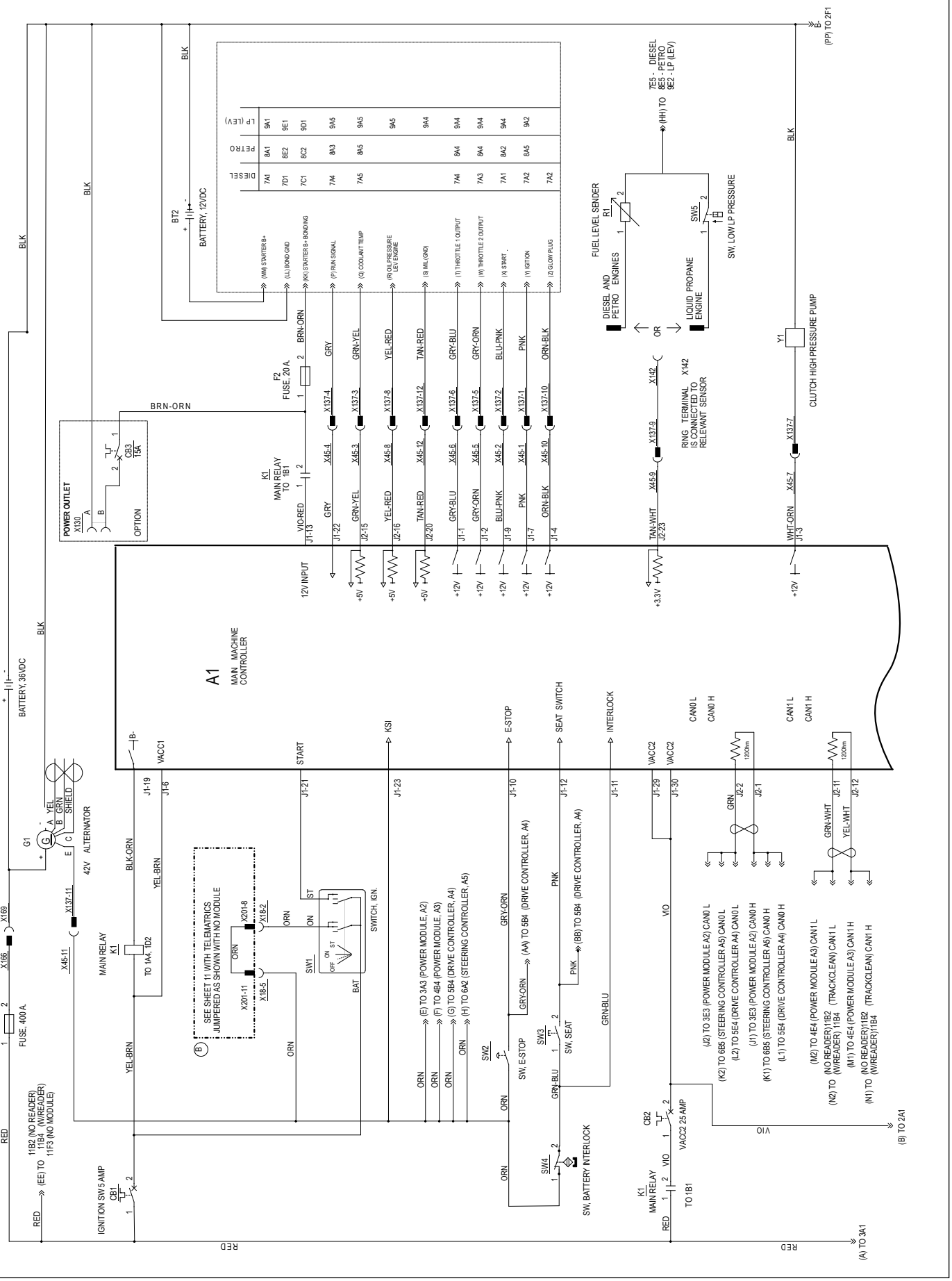


LI-ON BATTERY SYSTEM

Kit	Item	Ref. No.	Qty	Description
	1#	56002491	6	Nut-Hex Nyl Loc Ss 1/4-20
	2#	56002914	6	Wsh, Flt Std Ss 1/4
	3#	56003350	4	Nut-Hex M6-1
	4#	56003782	6	Scr, Soc Set Loc 1/4-20 X 1.25 Zinc Plated
	5#	56003935	12	Scr-Hex Ss M6-1 X 40mm
	6#	56004157	32	Scr Trx M6x16 W/Thd Lck Blk
	7#	56125044	1	Battery Box Base Weldment
	8#	56125048	6	Spacer-Battery Box
	9#	56125050	6	Cable Assy-4 Ga-Batt-Pos
	10#	56125051	6	Cable Assy-4 Ga-Batt-Neg
	11#	56125052	1	Cable-Control/Power-Batt
	12#	56125056	6	Foam-Vibration-305x38mm
	13#	56125061	2	Cover Weldment-Battery Box
	14#	56125079	1	Cable Assy-4/0-Pos
	15#	56125080	1	Cable Assy-4/0-Neg
	16#	56125099	2	Busbar-Triple
	17#	56125111	1	Cable-Control-M12 5 Pin M/F-1m
	18#	56125155	1	Top Cover-Battery Box
	19#	56125156	1	Feedthrough Term-750 Amp-Red
	20#	56125157	2	Gasket-Feedthrough Term-750a
	21#	56125158	1	Boot-Feedthrough Term-750a-Red
	22#	56125159	1	Feedthrough Term-750 Amp-Black
	23#	56125160	1	Boot-Feedthrough Term-750a-Blk
	24#	56125180	4	Bracket-Lift Hook
	25#	56368776	4	Washer-Rubber
	26#	56394842	1	Adapter-M12x1 Male/Fe Passthru
	27#	56469858	6	Electrical Mount
	28#	56900737	16	Washer, Sealing 1/4
	29#	106445007	6	Negative Braided Cable
	30#	106445008	6	Positive Braided Cable
	31#	106445009	11	Cable Assy, Control
	32#	106470002	1	Termination Resistor
	33#	2-00-04687	6	Lk Wash Hel .25scr Med Sec S/S

= Revised or new since last update

LADDER DIAGRAM-1



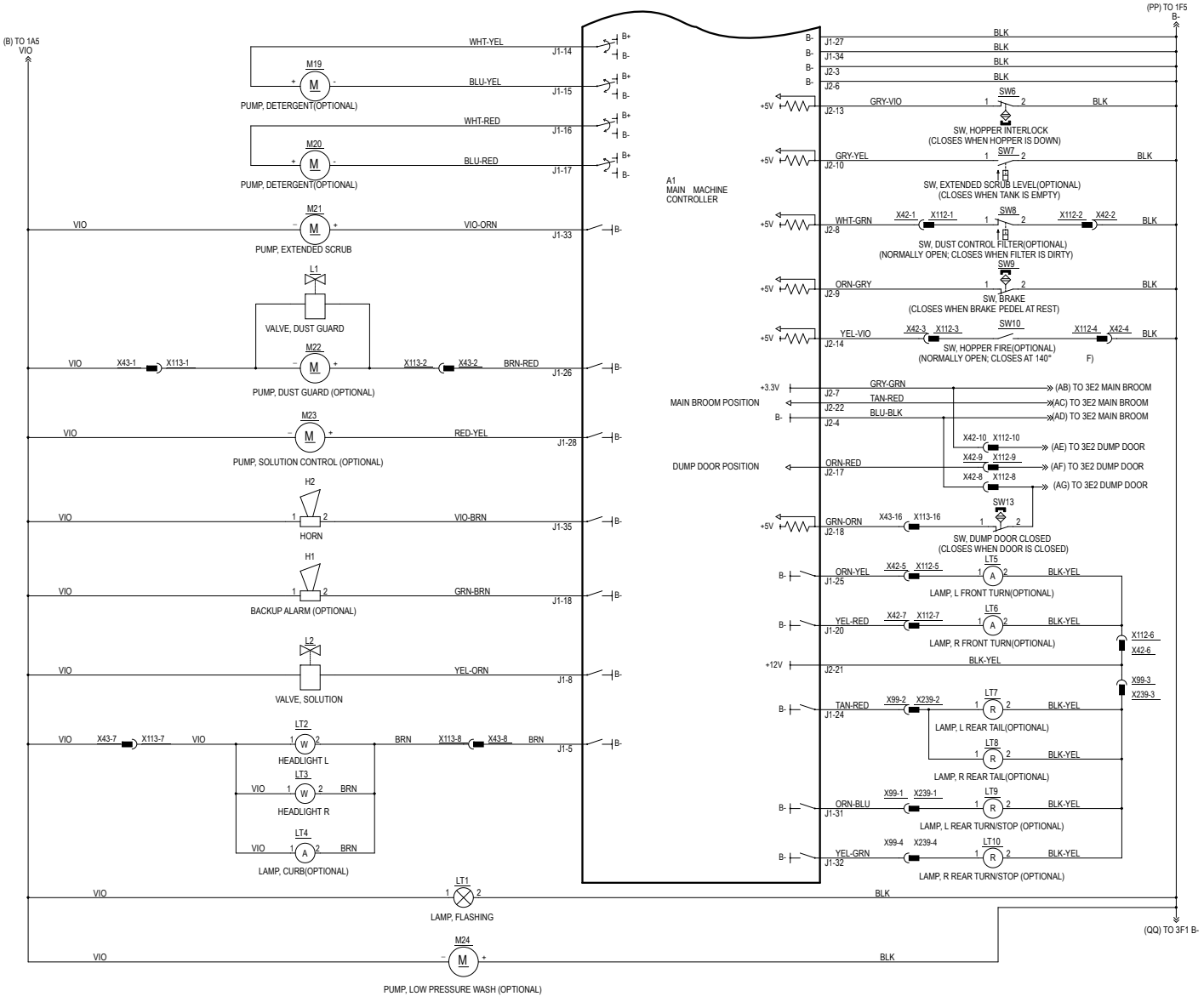
LADDER DIAGRAM-1

Kit	Item	Ref. No.	Qty	Description
	A1	56511588	1	MAIN CONTROLER
	BT1	NA	1	Battery 36V 770 Amp HR **NOTE 1**
		NA	1	Battery 36V **NOTE 2**
	BT2	56380449	1	Battery 12V Wet **NOTE 1**
	CB1	56315255	1	Circuit Breaker-5 Amp **(Battery)**
	CB2	56509623	1	Circuit Breaker-25 Amp **(VACC2)**
	CB3	56509623	1	Circuit Breaker-15 Amp **(Power Outlet 12V)**
	F1	56303297	1	Fuse, 400 Amp **(Main Fuse)**
	F2	287020	1	Fuse, 20 Amp **(12V from Starter)**
	G1	56511663	1	Alternator 42 Vdc, 310 A **(System power)**
	K1	40892A	1	Main Relay
	M25	56511864	1	Pump, Fuel **(for Gasoline engine)**
	R1	56511257	1	Fuel Level Sender **(Gasoline and Diesel fuel level)**
	SW1	56111109	1	Switch Assembly, Key **(Ignition Switch)**
	SW2	56104247	1	Disconnect, Emergency **(Emergency Stop)**
	SW3	7-82-00050	1	Switch-Seat
	SW4	56511830	1	Switch-Battery Interlock **(Battery Interlock)**
	SW5	56418381	1	Switch-N.C. Pressure **(Signals low/empty LPG tank)**
	Y1	NA	1	Clutch-High Pressure Pump **(part of High Pressure Pump Assy 56509812 / Optional)**

NOTE 1: These items are only used on LPG and diesel models.
NOTE 2: Only used on battery models.

Color Codes	
BLK	Black
BLU	Blue
BRN	Brown
GRA	Gray
GRN	Green
ORN	Orange
PINK	Pink
RED	Red
TAN	Tan
VIO	Violet
WHT	White
YEL	Yellow

LADDER DIAGRAM-2



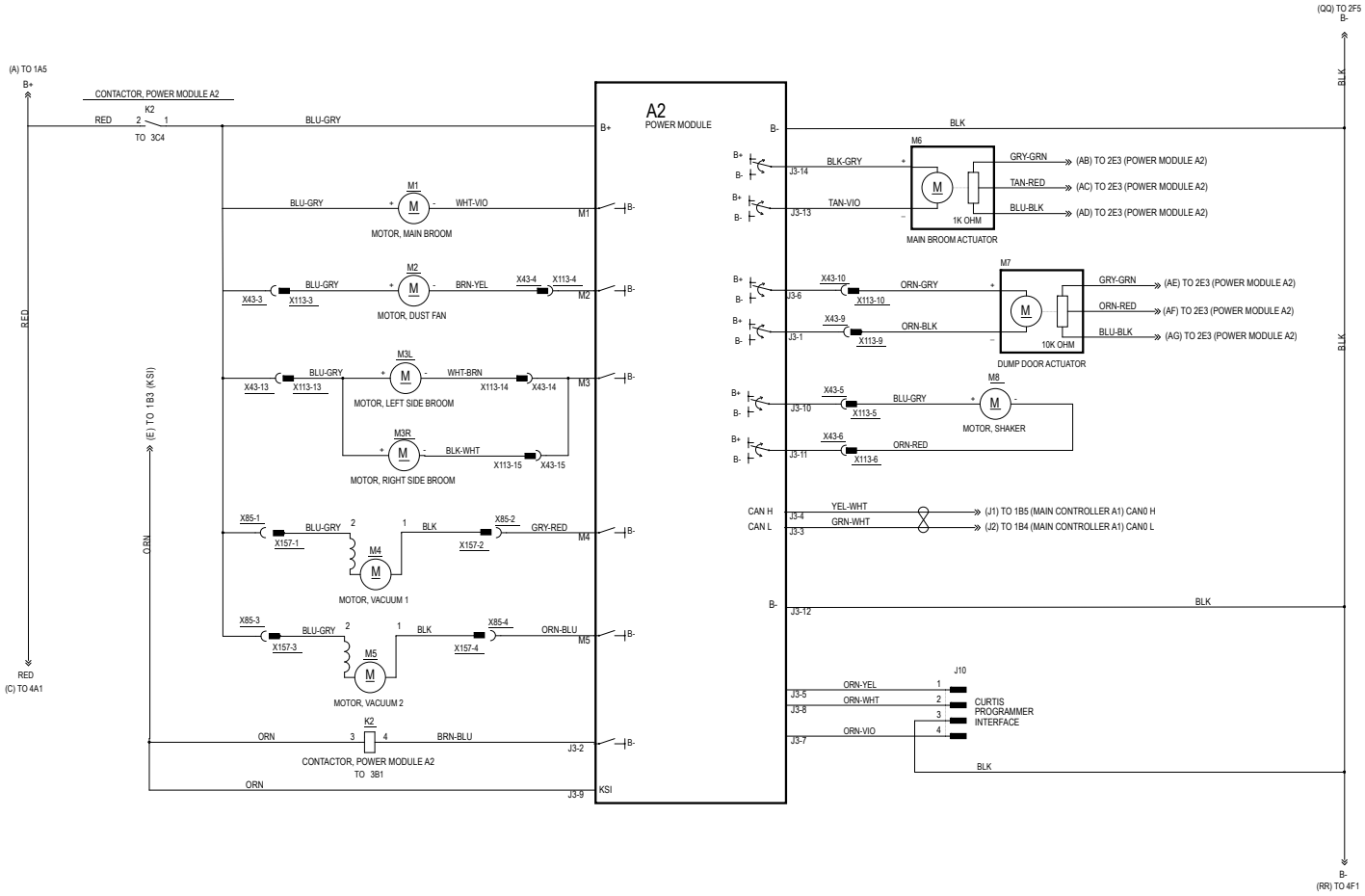
LADDER DIAGRAM-2

Kit	Item	Ref. No.	Qty	Description
	A1	56511588	1	Main Controler
	H1	56409232	1	Backup Alarm
	H2	56394040	1	Horn 36V
	L1	56397216	1	Solenoid Valve Assy **(Dust Guard / Optional)**
	L2	56384490	1	Valve, 36V Solenoid **(Solution)**
	LT1	56510893	1	Beacon, Warning **(Optional)**
	LT2	56383032	1	Light Assy **(Left)**
	LT3	56383032	1	Light Assy **(Right)**
	LT4		1	Curb Light **(Optional)**
	LT5	56509559	1	Light-Turn Signal **(Left Front / Optional)**
	LT6	56509559	1	Light-Turn Signal **(Right Front / Optional)**
	LT7	56510280	1	Left Tail Light **(Optional)**
	LT8	56510280	1	Right Tail Light **(Optional)**
	LT9	56511857	1	Light Red **(Left Rear Turn Signal / Optional)**
	LT10	56511857	1	Light Red **(Right Rear Turn Signal / Optional)**
	M19	56110742	1	Pump Detergent 12V **(EcoFlex / Optional)**
	M20	56110742	1	Pump Detergent 12V **(EcoFlex / Optional)**
	M21	56511834	1	Pump 36V **(Extended Scrub Pump)**
	M22	56116767	1	Pump-36vdc **(Dust Guard / Optional)**
	M23	56511834	1	Pump 36V**(EcoFlex / Optional)**
	M24	56511835	1	Pump Assy **(Spray Wand Kit / Optional)**
	SW6	56511830	1	Sensor-Proximity **(Hopper Interlock)**
	SW7	56509932	1	Switch-Extended Scrub Level **(Optional)**
	SW8	56509761	1	Switch-Vacuum **(Plugged Filter Kit / Optional)**
	SW9	56511830	1	Sensor-Proximity **(Brake Switch)**
	SW10	56418405	1	Switch-Temperature **(Hopper Temp Sensor Kit)**
	SW13	56511830	1	Sensor, Proximity **(Switch, Dump Door Closed)**

Color Codes

BLK	Black
BLU	Blue
BRN	Brown
GRA	Gray
GRN	Green
ORN	Orange
PINK	Pink
RED	Red
TAN	Tan
VIO	Violet
WHT	White
YEL	Yellow

LADDER DIAGRAM-3



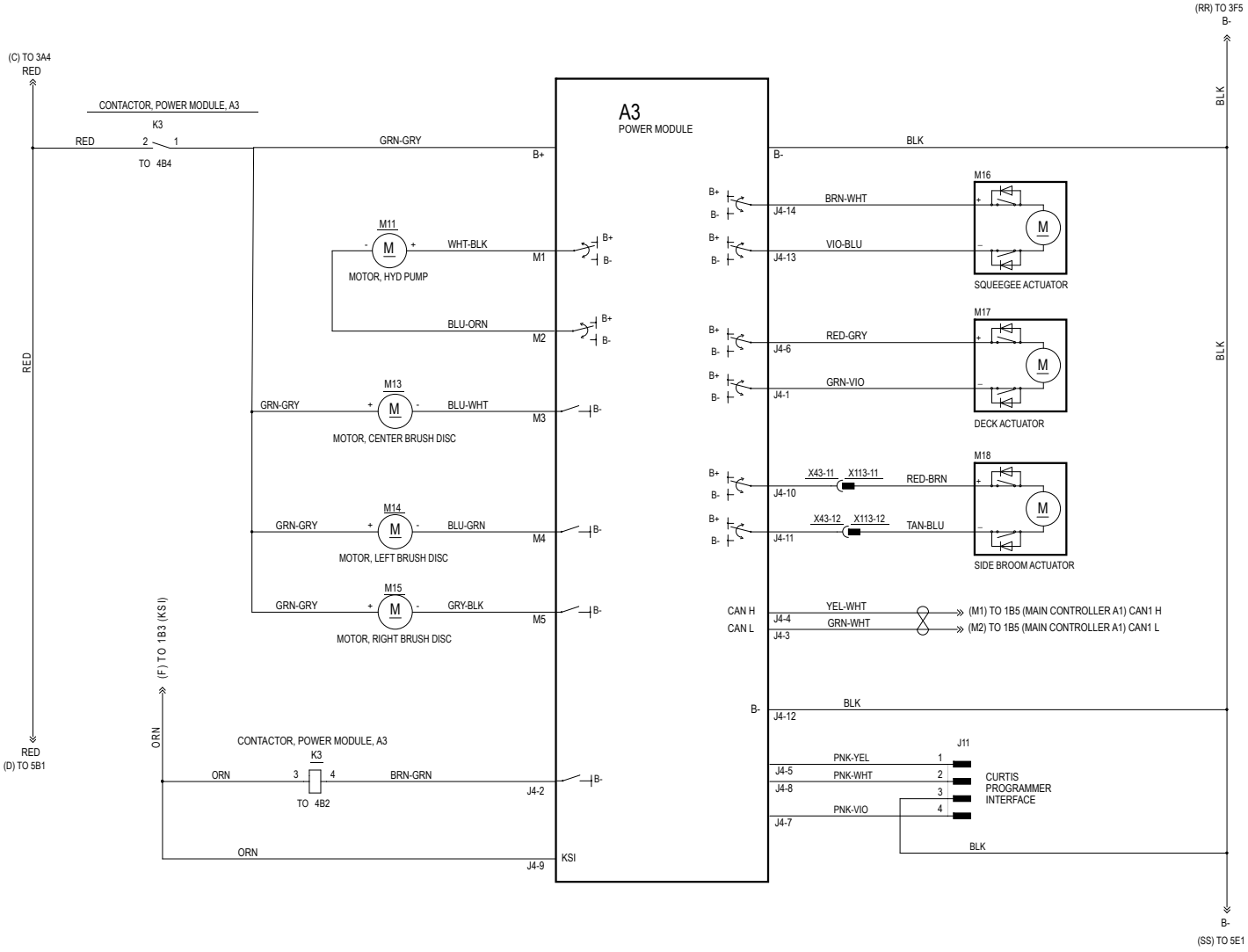
LADDER DIAGRAM-3

Kit	Item	Ref. No.	Qty	Description
	A2	56511622	1	Power Module
	J10	NA	1	Curtis Programmer Interface
	K2	56395453	1	Contactor 36V **(Power Module A2)**
	M1	56510740	1	Motor Kit-Broom
	[ ]	56422152	1	Motor Brush Kit **(for 56510740)**
	M2	33015359	1	Vac Fan 36v **(Dust control System)**
	M3R	56384565	1	Motor-42vdc-115rpm-0.4hp-Right
	[ ]	56384521	1	Sidebroom Motor Brush Kit **(for 56384565 & 56384564)**
	M3L	56384564	1	Motor-42vdc-115rpm-0.4hp-Left
	[ ]	56384521	1	Sidebroom Motor Brush Kit **(for 56384565 & 56384564)**
	M4	56511400	1	Vac Motor Assy **(Solution recovery)**
	M5	56511400	1	Vac Motor Assy **(Solution recovery)**
	M6	56511260	1	Actuator-Lin-36v-51mm Stroke **(Main Broom Actuactor)**
	M7	56511759	1	Actuator-36v **(Dump Door Actuator Motor)**
	M8	56511366	1	Motor-36vdc-Filter Shaker **(Shaker Motor)**

[ ] = Not Shown

Color Codes	
BLK	Black
BLU	Blue
BRN	Brown
GRA	Gray
GRN	Green
ORN	Orange
PINK	Pink
RED	Red
TAN	Tan
VIO	Violet
WHT	White
YEL	Yellow

LADDER DIAGRAM-4



LADDER DIAGRAM-4

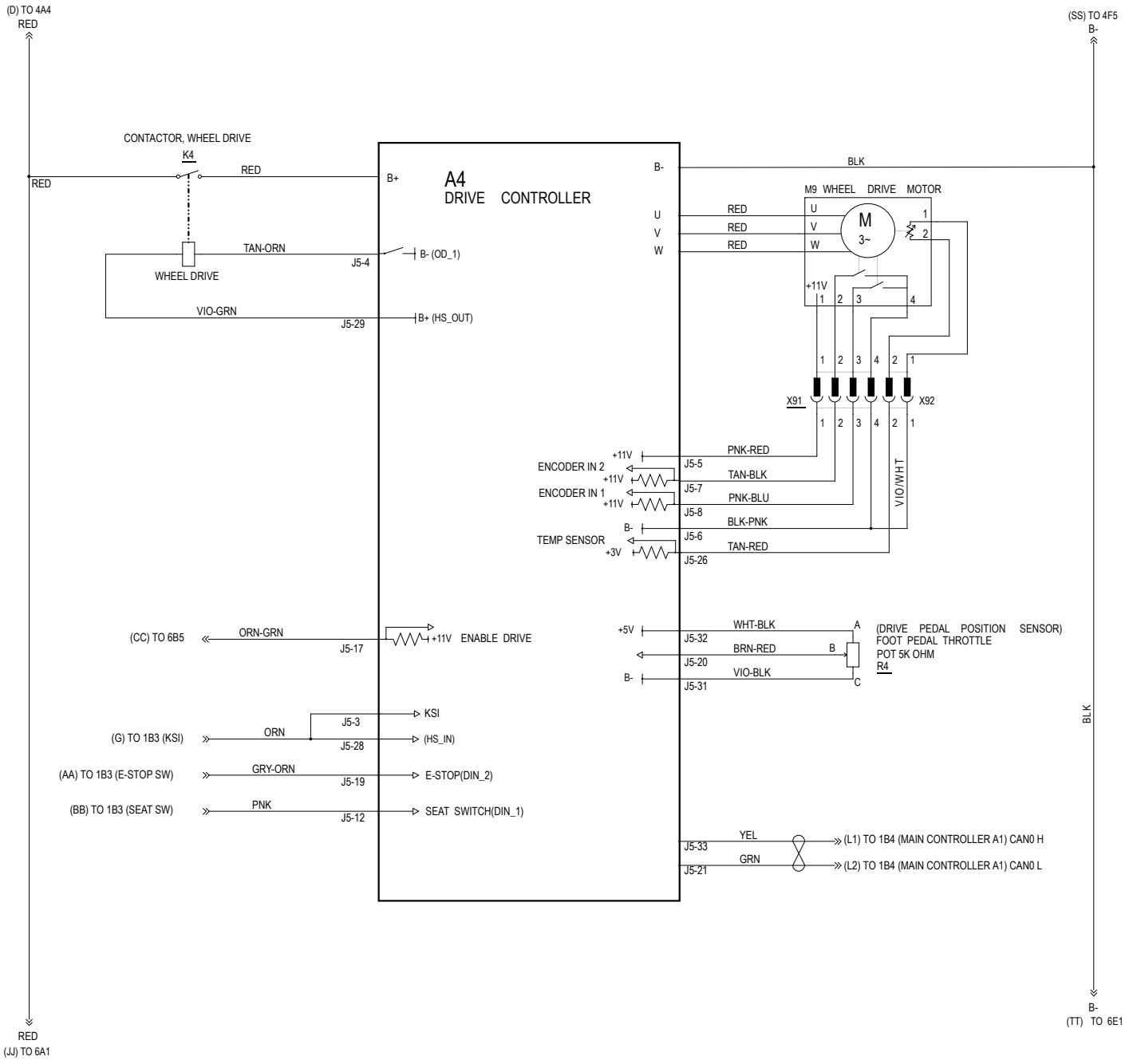
Kit	Item	Ref. No.	Qty	Description
	A3	56511622	1	Power Module
	J11	NA	1	Curtis Programmer Interface
	K3	56395453	1	Contactor 36V **(Power Module A3)**
	M11	56511831	1	Motor-36v-3669rpm-0.55hp **(Hydraulic Pump Motor)**
	M13	56511937	1	Gearmotor Assy-Center **M13 / M14**
	[ ]	56422152	1	Brush Kit **(for 56511937 Amer Scrub Motor Assembly)**
	[ ]	56510763	1	Brush Kit-Motor (For Imperial Scrub motor Assembly) **NOTE 1**
	M14	56511935	1	Gearmotor Assy-Left **M13 / M14**
	[ ]	56422152	1	Brush Kit **(for 56511935 Amer Scrub Motor Assembly)**
	[ ]	56510763	1	Brush Kit-Motor (For Imperial Scrub motor Assembly) **NOTE 1**
	M15	56511936	1	Gearmotor Assy-Right **M15**
	[ ]	56422152	1	Brush Kit **(for 56511936 Amer Scrub Motor Assembly)**
	[ ]	56510763	1	Brush Kit-Motor (For Imperial Scrub motor Assembly) **NOTE 1**
	M16	56511259	1	Actuator-Lin-36v-89mm Stroke **(Squeege Actuator)**
	M17	56511263	1	Actuator-Lin-36v-152 Mm Stroke **(Scrub Deck Actuactor)**
	M18	56116781	1	Actuator-Squeegee **(Side Broom Actuator)**

[ ] = Not Shown

NOTE 1: Machines with Imperial Scrub Motor Assemblies require Brush Motor Kits 56510763.
See Detail 1 on **SCRUBBING SYSTEM-2** to identify the style of motor that requires this Brush Kit.

Color Codes	
BLK	Black
BLU	Blue
BRN	Brown
GRA	Gray
GRN	Green
ORN	Orange
PINK	Pink
RED	Red
TAN	Tan
VIO	Violet
WHT	White
YEL	Yellow

LADDER DIAGRAM-5

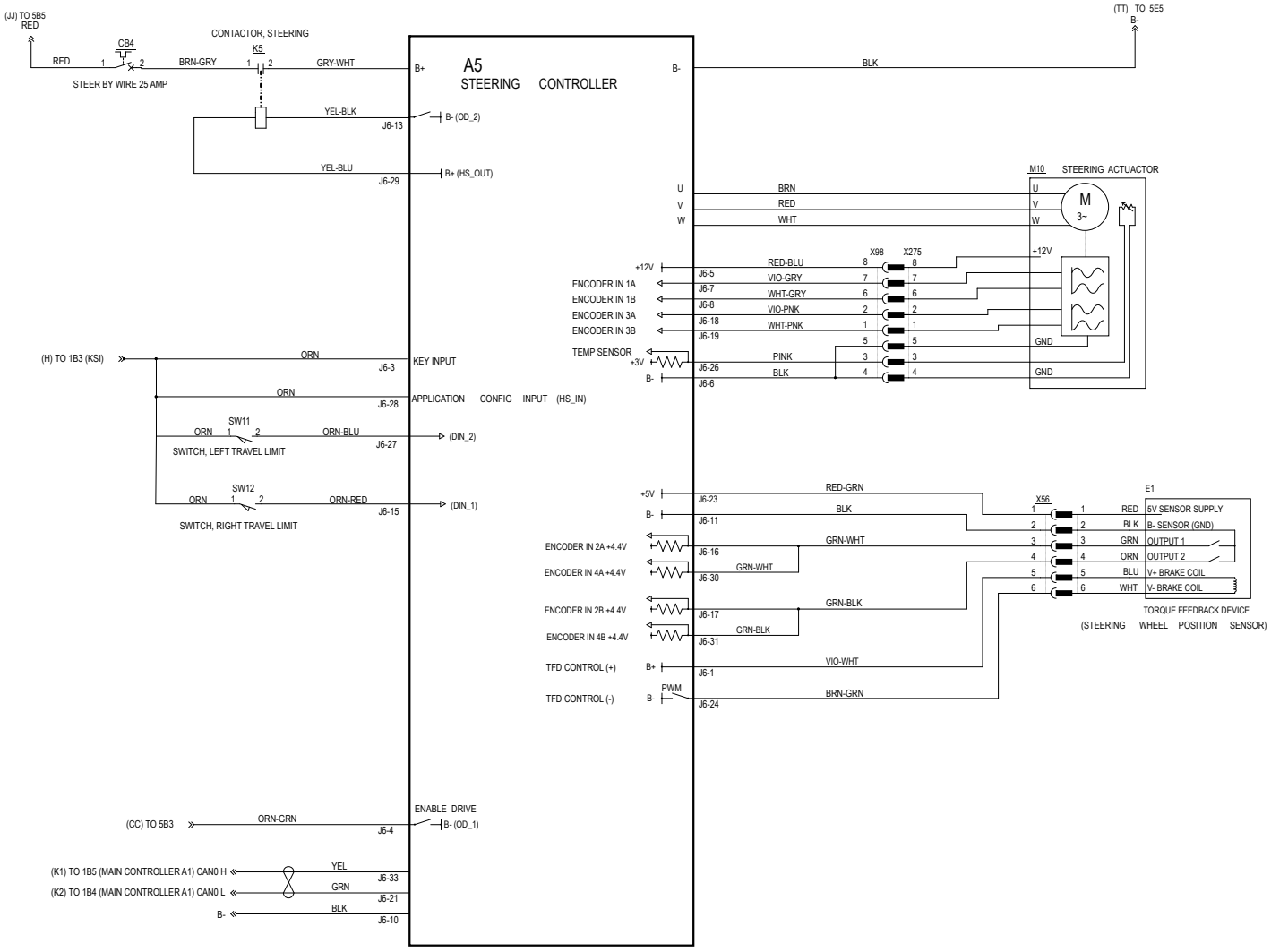


LADDER DIAGRAM-5

Kit	Item	Ref. No.	Qty	Description
	A4	56511698	1	Controller, Motor Speed **(Drive Controller)**
	K4	56395453	1	CONTACTOR, 36V **(Drive Contactor)**
	M9	56509168	1	Motor, Traction – Ac **(Motor, Wheel Drive)**
	R4	56601052	1	Foot Pedal Assy **(Traction throttle)**

Color Codes	
BLK	Black
BLU	Blue
BRN	Brown
GRA	Gray
GRN	Green
ORN	Orange
PINK	Pink
RED	Red
TAN	Tan
VIO	Violet
WHT	White
YEL	Yellow

LADDER DIAGRAM-6

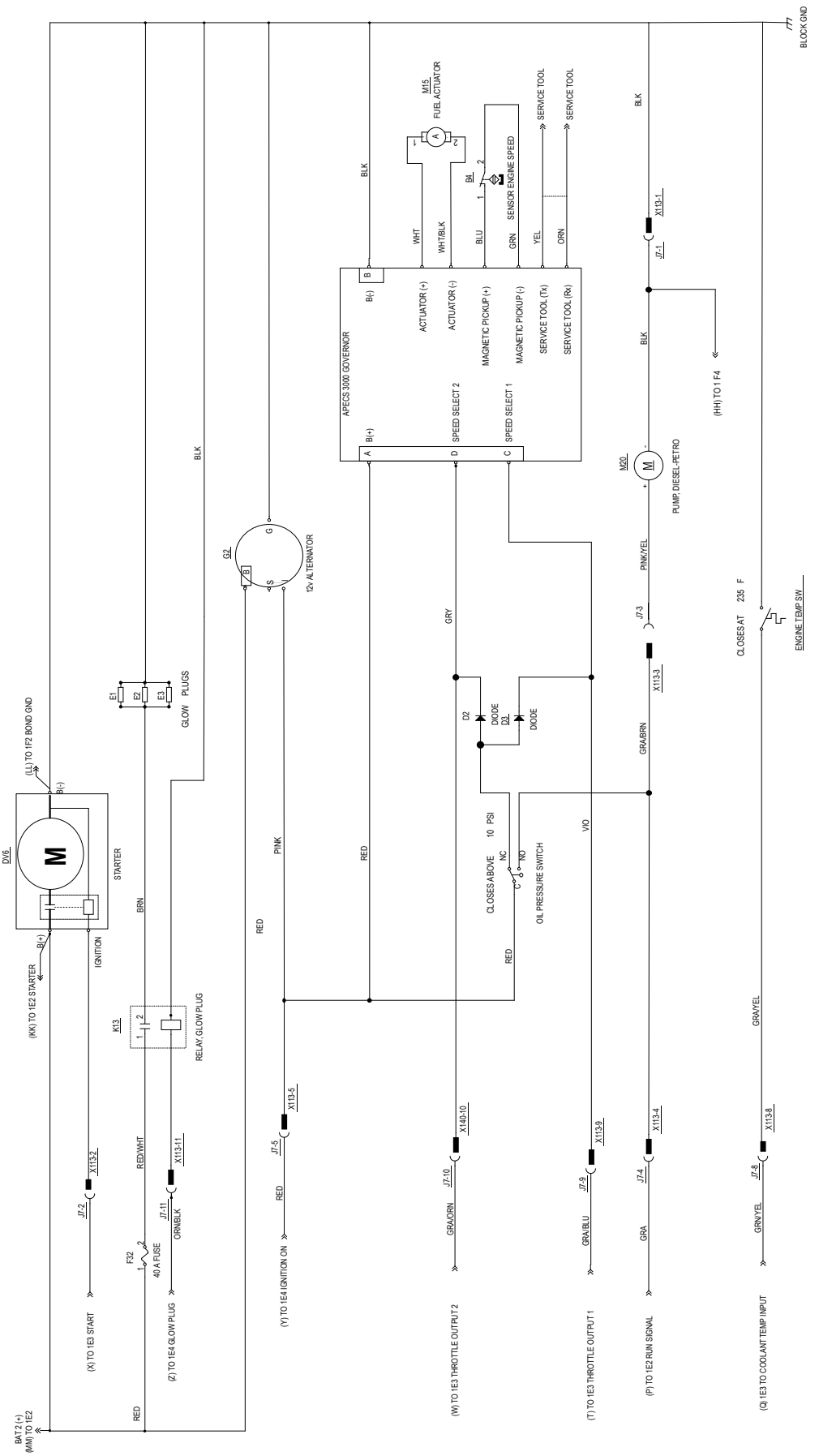


LADDER DIAGRAM-6

Kit	Item	Ref. No.	Qty	Description
	A5	56511598	1	Controller-Steering Motor **(Steering Controller)**
	CB4	56315255	1	Circuit Breaker-25 Amp **(Steering CB)**
	E1	56511615	1	Torque Feedback Device **(Steering Wheel Sensor)**
	K5	40892A	1	Relay **(Steering Relay)**
	M10	56511657	1	Motor-Steering **(Steer Actuator)**
	SW11	56511830	1	Sensor, Proximity **(Switch, Left Travel Limit)**
	SW12	56511830	1	Sensor, Proximity **(Switch, Right Travel Limit)**

LADDER DIAGRAM-KUBOTA DIESEL ENGINE SYSTEM

KUBOTA DIESEL ENGINE SYSTEM

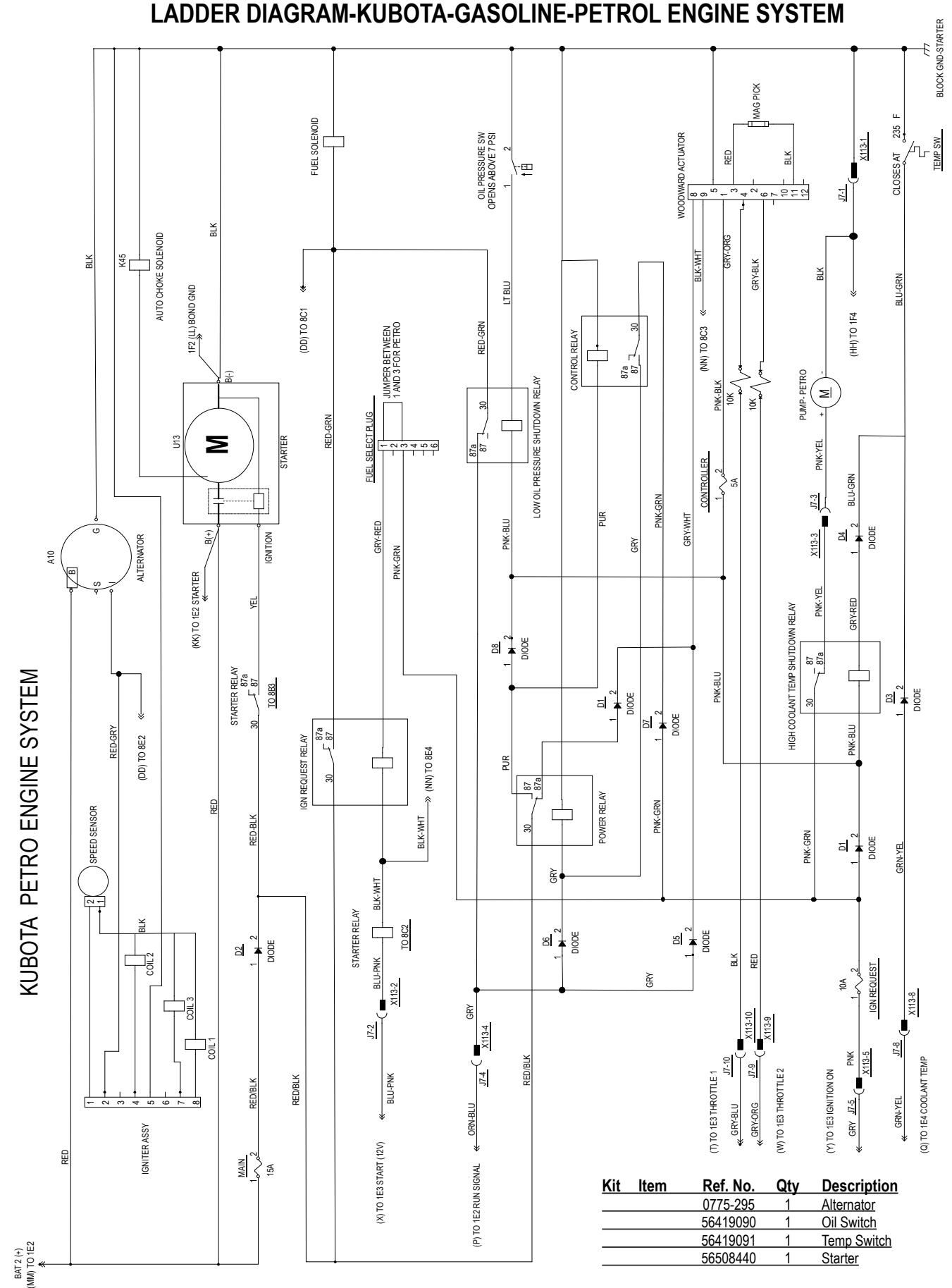


LADDER DIAGRAM-KUBOTA DIESEL ENGINE SYSTEM

Kit	Item	Ref. No.	Qty	Description
	B4	NA	1	Magnetic Pick-Up **(part of Apecs 3000 Governor 56510350)**
	DV6	56419089	1	Starter
	E1	NA	1	Glow Plug
	E2	NA	1	Glow Plug
	E3	NA	1	Glow Plug
	G2	56510385	1	Alternator
	K13	56110423	1	Relay-SPST 12V 75A
		56510350	1	Apecs 3000 Governor
	M15	NA	1	Actuator **(part of Apecs 3000 Governor 56510350)**
	M20	56508355	1	Fuel Pump
	S18	56419091	1	Switch-Coolant Temp
	S19	56508444	1	Switch-Oil Pressure

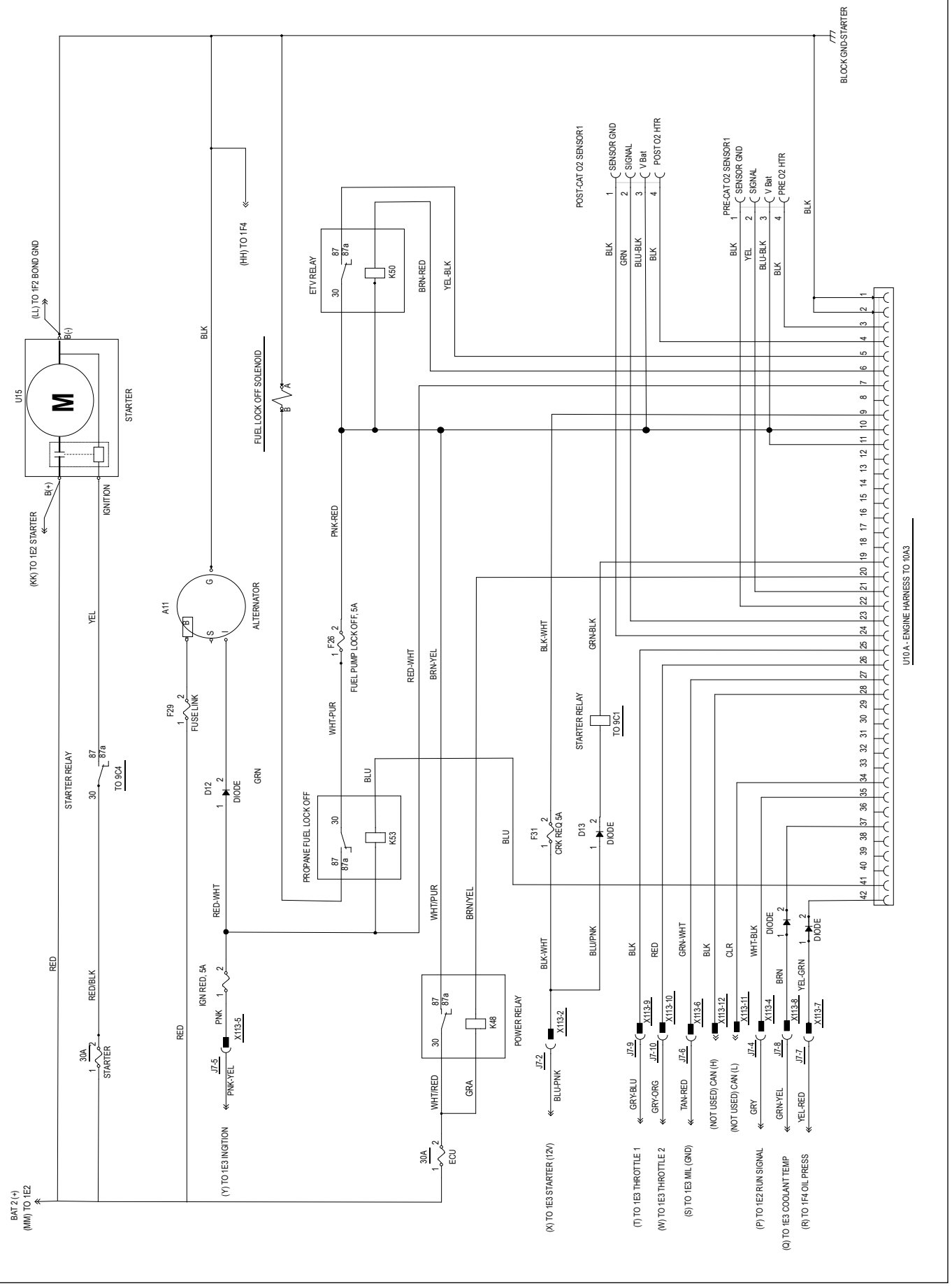
Color Codes	
BLK	Black
BLU	Blue
BRN	Brown
GRA	Gray
GRN	Green
ORN	Orange
PINK	Pink
RED	Red
TAN	Tan
VIO	Violet
WHT	White
YEL	Yellow

LADDER DIAGRAM-KUBOTA-GASOLINE-PETROL ENGINE SYSTEM



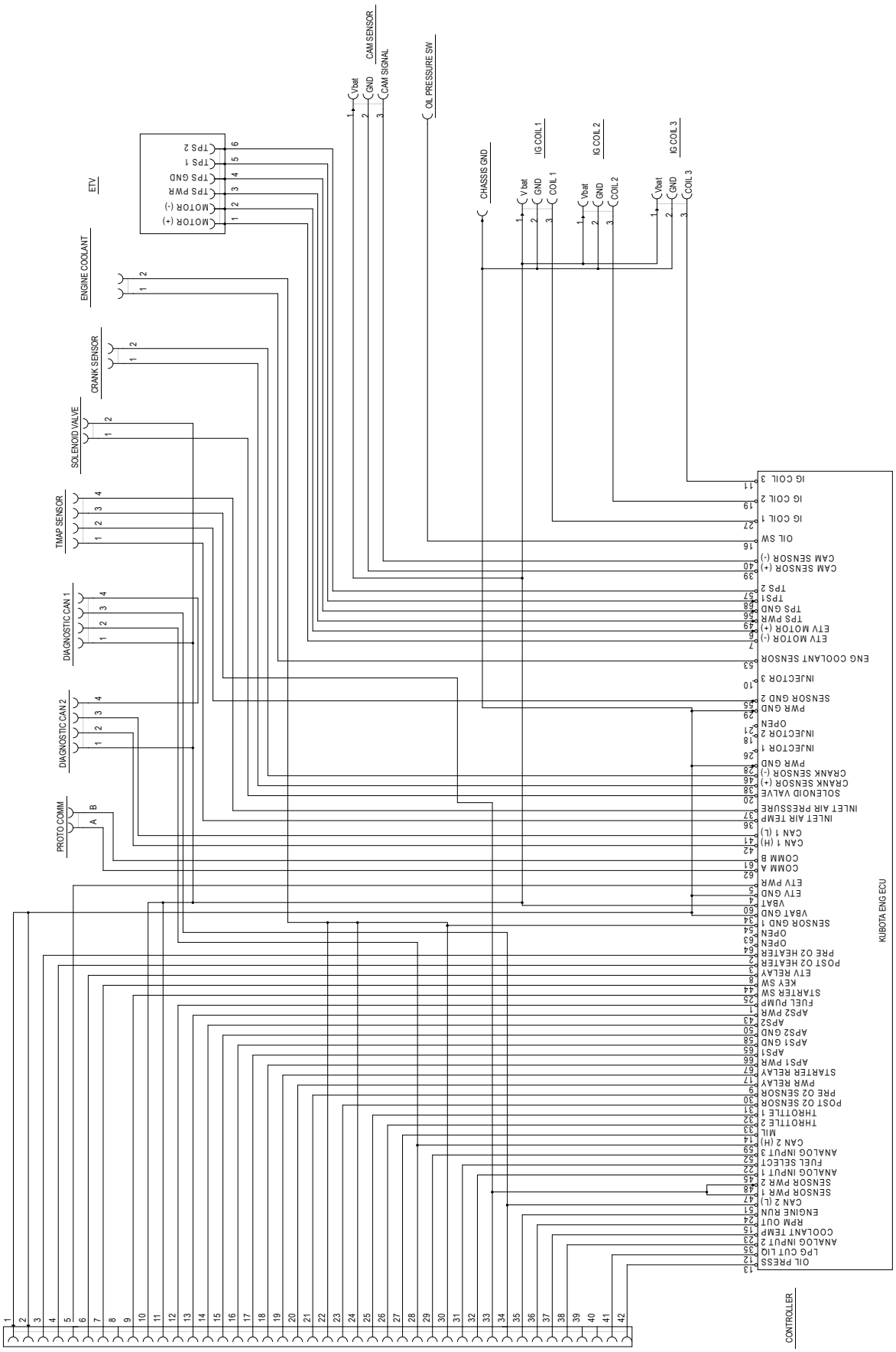
Kit	Item	Ref. No.	Qty	Description
		0775-295	1	Alternator
		56419090	1	Oil Switch
		56419091	1	Temp Switch
		56508440	1	Starter

LADDER DIAGRAM-KUBOTA-LEV ENGINE SYSTEM-1



LADDER DIAGRAM-KUBOTA-LEV ENGINE SYSTEM-2

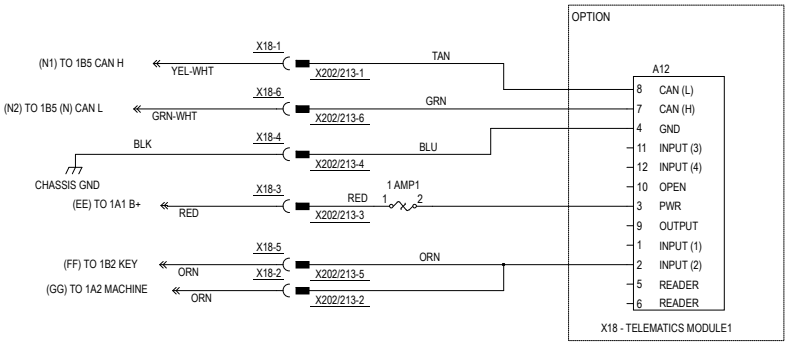
KUBOTA LEV ENGINE SYSTEM



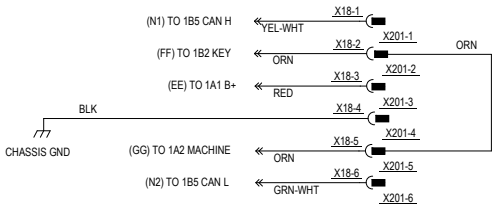
LADDER DIAGRAM-TRACK CLEAN CONNECTIONS

TRACKCLEAN
CONNECTIONS

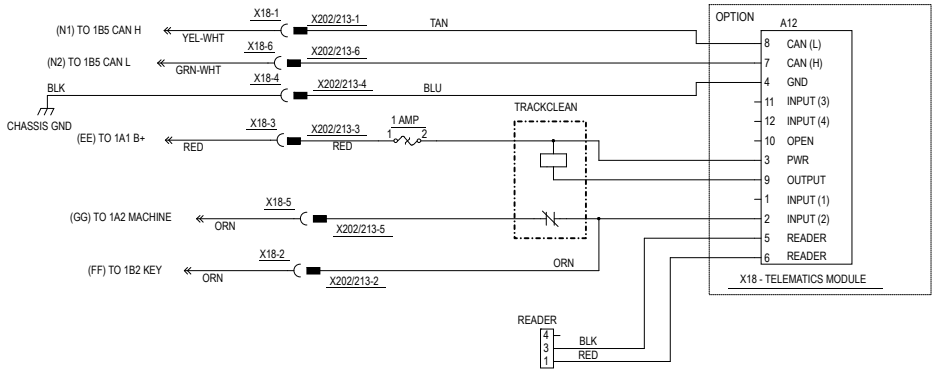
WITHOUT KEY READER



NO TRACKCLEAN



WITH KEY READER



OPTIONAL KITS & ACCESSORIES

	Ref. No.	Qty	Description
			Optional Kits **NOTE 3**
*	56511845	1	Extended Scrub Kit
*	56509988	1	Deluxe Seat Kit **NOTE 5**
*	56394237	1	Deluxe Seat Kit **NOTE 6**
*	56509975	1	Overhead Guard Kit-79"
*	56510399	1	Overhead Guard Kit-82"
*	56383455	1	Seat Belt Kit
*	56511858	1	Brake Light/Turn Signal Kit
*	56394124	1	Rear Roller Kit-Left and Right
*	56509914	1	Front Corner Roller Kit
*	56510326	1	Super Duty Kit
*	56510605	1	Fire Extinguisher Kit
*	56511843	1	Back-Up Alarm Kit
*	56509994	1	Floor Mat Kit
*	56511855	1	Ecoflex Kit-Advance
*	56509811	1	High Pressure Pump Kit-Diesel
*	56509810	1	High Pressure Pump Kit-Lpg
*	56509729	1	Plugged Filter Switch Kit
*	56509728	1	Hopper Temperature Sensor Kit
*	56383045	1	Light Kit
*	56511852	1	Overhead Guard Beacon Kit
*	56510444	1	Overhead Guard Canopy Kit
*	56511851	1	Warning Beacon Kit
*	56510424	1	Solution Fill Shut-Off Kit
*	56510443	1	Vac Wand Kit
*	56511839	1	Wash Hose Kit
*	56510015	1	Water Heater Option-LPG
*	56510464	1	Water Heater Option-Diesel
*	56383189	1	Arm Rest Option **(R/H Only)**
*	56511741	1	Squeegee Guard Kit
*	56510450	1	Front Bumper Kit
*	56601410	1	Drain Hose Extension
*	56111280	1	Recovery Tank Clean Out Kit
*	56510465	1	Accessory Socket Kit
*	56511841	1	Dust Guard Kit
*	56394268	1	Battery Watering Kit
*#	56125001	1	Lithium Ion Base Kit
*#	56125002	1	Lithium Ion Module Kit-2X
*#	56125003	1	Lithium Ion EXP Kit
*#	56125163	1	Lithium Ion Dual Charger Kit

= Revised or new since last update

OPTIONAL KITS & ACCESSORIES

	Ref. No.	Qty	Description
			Squeegee Blade Kits **(See Squeegee Blade Selector Guide)**
	56510371	1	Blade kit-Squeegee - Linatex **NOTE 1**
*	56510372	1	Blade kit-Squeegee Gum **NOTE 1**
*	56510373	1	Blade Kit-Squeegee PU **NOTE 1**
			Deck Blade Kits
	56510374	1	Blade Kit-Deck - Linatex **NOTE 2**
*	56510375	1	Blade Kit-Deck Gum **NOTE 2**
*	56510376	1	Blade Kit-Deck PU **NOTE 2**
			Options
	56383293	1	Wheel-Drive 310x140 **NOTE 4**
			Accessories
*	56044725	1	Literature Pack
			Scrub Brushes **(See Brush Selector Guide)**
*	56505780	3	Short Trim Pad Holder
*	56505195	3	Pad Retainer for 56505750
*	56505785	3	ProLite
*	56505784	3	Prolene
*	56505786	3	Union Mix
*	56505783	3	AgLite Grit 500
*	56505787	3	MidGrit 240
*	56505788	3	MidLite Grit 180
*	56505782	3	Dyna Grit 80
*	56505781	3	Magna Grit 46
			Main Brooms
	56394458	1	Broom-Main - Spiral
*	33018856	1	Broom-Main Nylon
*	33018857	1	Broom-Main Prolene
			Side Brooms
	56510707	1	Broom-Side Poly

* = Optional, Not Included

NOTE 1: All squeegee blade kits include both front and rear squeegee blades.
NOTE 2: All Deck Blade Kits include all blades for both skirt assemblies
NOTE 3: Replacement parts for the kits listed above can be found on each kit's associated instruction sheet.
NOTE 4: This drive wheel can be used in place of the standard drive whell 56509157 for increased traction.
NOTE 5: Use with Solution Tank 56511578.
NOTE 6: Use with Solution Tank 56394200.

RECOMMENDED SPARE PARTS

Ref. No.	Qty	Description
		Wear Parts
		Brushes
56505780		Short Trim Pad Holder
56505195		Pad Retainer **(For 56505780)**
56505785		ProLite
56505784		Prolene
56505786		Union Mix
56505783		AgLite Grit 500
56505787		MidGrit 240
56505788		MidLite Grit 180
56505782		Dyna Grit 80
56505781		Magna Grit 46
		Brooms
56394458		Broom-Main - Spiral
33018856		Broom-Main Nylon
33018857		Broom-Main Prolene
		Side Brooms
56510707		Broom-Side Poly
		Deck Blades & Hardware
		Left Skirt
56510374		Blade Kit-Deck - Linatex
56510375		Blade Kit-Deck White Gum
56510376		Blade Kit-Deck PU
56510810		Arm Kit-Side Squeegee
56510883		Strap Kit-Side Squeegee LT FR
56510882		Strap Kit-Side Squeegee LT RR
		Right Skirt
56510374		Blade Kit-Deck - Linatex
56510375		Blade Kit-Deck White Gum
56510376		Blade Kit-Deck PU
56510810		Arm Kit-Side Squeegee
56510811		Strap Kit-Side Squeegee
56510812		Hardware Kit-Side Squeegee Rt
56510813		Guard Kit-UHMW
56511213		Guard-Edge Scrub
		Filters
56510354		Filter rectangular synthetic
56511572		Oil filter cartridge LPG
56510095		LPG Tank filter Assy
56419086		Fuel Filter Cartridge Diesel
56482659		Oil filter cartridge Diesel
56413194		Screen filter Recovery system
56413195		Filter Recovery system
56510581		Filter kit Solution
56407162		Filter Solution
56482028		Filter Safety
56482029		Filter Primary
		Hopper System
56509146		FLAP & Seal-Hopper Door Bottom
56511192		Dump Door Assy
56509399		Seal-Hopper
		Recovery System
56510232		Gasket-Recovery Cover
56509985		Hose-Squeegee
56383261		Drain Hose Kit
56510583		Float Ball Cage Kit
56510678		Gasket-Tank
		Wheel System
56509157		Wheel-Drive 310x140
56383402		Wheel-Mold-On 16.2 X 4

Ref. No.	Qty	Description
		Extra Ordinary Maintenance
		Actuators
56511263		Actuator-Scrub Deck
56511259		Actuator-Squeegee Lift
56116781		Actuator-Side Broom
56511260		Actuator-Broom Lift
56511758		Actuator-Dump Door
56511657		Actuator-Steering 36V
		Relays
40892A		Relay, DPDT 36VDC **(K1 / Main Relay)**
40892A		Relay, DPDT 36VDC **(K5 / Steering Relay)**
		Fuses
56303297		Fuse, 400 Amp F1
N/A		Fuse, 150 Amp F2
		Sensors - Switches
N/A		Current Sensor **(Brush)**
N/A		Current Sensor **(Broom)**
N/A		Current Sensor **(Vac)**
56511830		Sensor-Proximity **(Hopper Interlock)**
56509932		Switch-Extended Scrub Level **(Optional)**
56511830		Sensor-Proximity **(Brake)**
56509761		Switch-Vacuum **(Plugged Filter Kit / Optional)**
56511830		Sensor-Proximity **(Hopper Dump Door Extent)**
56418405		Switch-Temperature **(Hopper Temp Sensor Kit)**
		Motors & Carbon Brushes
56511367		Shaker Motor Kit
56508440		Starter Motor LPG
56419089		Starter Motor Diesel
56511831		Motor 36V 0,55Hp **(Hydraulic Pump Hopper Cyl)**
56511400		Motor Vacuum 36V Dc
56116107		Vacuum Motor Brush Kit
56384565		Motor-42vdc-115rpm-0.4hp-Right **(Side Brooms)**
56384564		Motor-42vdc-115rpm-0.4hp-Left **(Side Brooms)**
56384521		Sidebroom Motor Brush Kit **(For 56384565 & 56384564)**
56510737		Motor Kit Drive
56511366		Motor Shaker
56511937	1	Gearmotor Assy-Center
56511935	2	Gearmotor Assy-Left
56511936	1	Gearmotor Assy-Right
56422152	1	Brush Kit **(for 56511937, 56511935, 56511936)**
56511921		Motor Dust Control
56509168		Motor Drive
56510740		Motor Kit-Broom
56422152		Brush Kit-Motor **(for Broom Motor)**
		Pumps
56511864		Fuel Pump **(Petrol/Gasoline/Diesel)**
56511834		Pump water, 36v M19 Ecoflex
56510888		Detergent Pump Kit
56511549		Water Pump Assy LPG
56509374		Hydraulic Pump/Reservoir Assy
56110742		Pump-Chemical Metering **(EcoFlex / Optional)**
		Printed Circuit Boards
56511698		Controller-Traction Drive
56511588		User Interface Panel Assy
56511598		Controller-Steering
56511615		Torque Feedback Device
		MISC
56508456		Spark Plug
56510629		Belt-Fan **(Petrol / Gasoline Engine)**
56509442		Belt-3VX X 45.0
56510185		Governor-Controller
56510738		Lug Nut Kit
56511577		Belt-Fan-34.75 Od **(LEV Engine)**
56419087		Fan Belt **(Diesel Engine)**

BRUSH SELECTOR GUIDE

We provide brushes and pad holders that will give you the best possible performance between machine and floor. Following are descriptions of the materials and their applications.

ProLite: Bristles are made from light-duty polypropylene for general scrubbing when you do not want to scratch or remove finish from the floor. Recommended for use in place of red pads.

Prolene: Polypropylene material for medium-duty scrubbing on concrete, terrazzo and vinyl floor tile. Recommended for use in place of green or blue pads.

Union Mix: Medium grade natural fibers for polishing finished floors with standard-speed equipment. Recommended for use in place of white pads.

AgLite Grit 500: For light scrubbing when used wet; buffing or polishing when used dry on urethane coated, sealed concrete or other resilient hard surface floors. Recommended for use in place of red or white pads.

MidGrit 240: For general purpose scrubbing when you need a lighter action for sealed or unsealed concrete, stone, terrazzo, quarry tile and other resilient hard floor surfaces. Recommended for use in place of green or blue pads.

MidLite Grit 180: For general purpose scrubbing of sealed or unsealed concrete, stone, terrazzo, quarry tile and other resilient hard floor surfaces. Recommended for use in place of green or blue pads.

Dyna Grit 80: For aggresive, heavy-duty scrubbing or stripping of floors. Recommended for use in place of brown pads.

Magna Grit 46: For extreme heavy-duty scrubbing or stripping of floors. This brush has extra large diameter silicon carbide grit impregnated synthetic bristles. Recommended for use in place of black pads.

Short Trim Pad Holder: Made with a structural foam block and center ring for correct pad centering. It has a “shower feed” design for getting solution to the floor.

BRUSHES

56505780 - Short Trim Pad Holder
56505195 - Pad Retainer for 56505800
56505785 - ProLite
56505784 - Prolene
56505786 - Union Mix
56505783 - AgLite Grit 500
56505787 - MidGrit 240
56505788 - MidLite Grit 180
56505782 - Dyna Grit 80
56505781 - Magna Grit 46

DISC BRUSH APPLICATION GUIDE (SUGGESTION ONLY)

	46	80	180	240	500			Union
Application	**Grit**	**Grit**	**Grit**	**Grit**	**Grit**	**Prolene**	**Prolite**	**Mix**
Stripping:								
Concrete	X	X						
Terrazzo	X	X						
Ceramic/Quarry tile		X						
Vinyl tile		X						
General Scrubbing:								
Concrete	X	X	X	X		X		
Terrazzo			X	X	X	X		
Ceramic/Quarry tile			X	X	X	X		
Marble					X		X	
Vinyl tile			X		X	X		
Raised-rubber tile					X		X	
Polishing:								
Raised Disc Tile								X
Marble								X
Vinyl tile								X

BROOM SELECTOR GUIDE

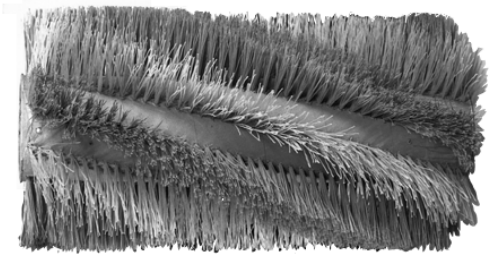
cylindrical Brush Application Guide (suggestion only)

Application	46 Grit	80 Grit	180 Grit	Polypro-pylene	Stiff Nylon	Soft Nylon
Stripping:						
Concrete	X	X				
Terrazzo	X	X				
Ceramic/Quarry tile		X				
Vinyl tile		X				
General Scrubbing:						
Concrete	X	X	X	X	X	
Terrazzo			X	X	X	X
Ceramic/Quarry tile			X	X	X	X
Marble			X		X	X
Vinyl tile			X	X	X	X
Raised-rubber tile			X			X

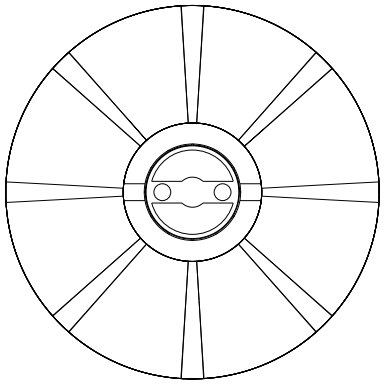
Main Broom: **56394458 Prolene & Wire (STD.) (6 Double Rows)**
This broom has a more aggressive cleaning action, used to pick up heavier debris.

33018857 Prolene (Optional) (6 Double Rows)
A top quality synthetic fiber. This filament is made for a wide variety of applications. Retains its stiffness when wet and resists abrasive chemicals, solvents and oils. A general purpose material offering high performance for a wide range of applications.

33018856 Nylon (Optional) (6 Double Rows)
General purpose broom that can be used for all types of light soil. High wear material so uneven surfaces do not cause excessive wear. Nylon has a high heat deflection temperature, is chemical resistant and will absorb water in wet conditions. Truly a general purpose broom.



6 Double Row
Length..... 35.43” (90 cm)
Diameter.... 12.20” (31 cm)



Side Broom: **56510707 Polypropylene (STD.)**
The side broom function is to sweep the dirt and debris away from the curb, wall, pallet, etc. into the path of the main broom.



Diameter..... 22” (56 cm)

SQUEEGEE BLADE SELECTOR GUIDE

Gum Rubber: Provides superior wiping action on tile, terrazzo, and polished floors.

Linatex Rubber: Provides longest life on finished or unfinished concrete floors.

Polyurethane: Oil resistance provides superior life in applications with oily floors.

SQUEEGEE BLADE APPLICATION GUIDE(SUGGESTION ONLY)			
Performance Traits	**Gum Rubber (Natural Rubber)**	**Linatex Rubber (Natural Rubber)**	**Polyurethane/ Pentathane**
Tear Strength		X	X
Abrasion Resistance		X	X
Applications			
Oil Resistant Applications			X
Appearance	Tan	Red	Translucent

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