

OLYMPUS®

MAINTENANCE & REPAIR MANUAL

WM-P1 SERIES MOBILE WORKSTATIONS

WM-NP1
WM-WP1
WM-DP1

OLYMPUS MEDICAL SYSTEMS CORP.

2951 Ishikawa-cho, Hachioji-shi, Tokyo 192-8507, Japan
Fax: (042) 646-2429 Telephone: (042) 642-2111

OLYMPUS EUROPA HOLDING GMBH

(Premises/Goods delivery) Wendenstrasse 14-18, 20097 Hamburg, Germany
(Letters) Postfach 10 49 08, 20034 Hamburg, Germany
Fax: (040)23773-4656 Telephone: (040)23773-0

OLYMPUS AMERICA INC.

3500 Corporate Parkway, P.O. Box 610, Center Valley, PA
18034-0610, U.S.A.
Fax: (484) 896-7128 Telephone: (484) 896-5000

KEYMED LTD.

KeyMed House, Stock Road, Southend-on-Sea, Essex SS2 5QH, United Kingdom
Fax: (01702) 465677 Telephone: (01702) 616333

OLYMPUS SINGAPORE PTE LTD.

491B, River Valley Road #12-01/04, Valley Point Office Tower, Singapore 248373
Fax: 6834-2438 Telephone: 6834-0010

OLYMPUS (BEIJING) SALES & SERVICE CO., LTD.

A8F, Ping An International Financial Center, No. 1-3, Xinyuan South Road,
Chaoyang District, Beijing, 100027 P.R.C.
Fax: (86)10-5976-1299 Telephone: (86)10-5819-9000

OLYMPUS MOSCOW LIMITED LIABILITY COMPANY

117071, Moscow, Malaya Kaluzhskaya 19, bld. 1, fl.2, Russia
Fax: (095) 958-2277 Telephone: (095) 958-2245

OLYMPUS AUSTRALIA PTY. LTD.

31 Gilby Road, Mount Waverley, VIC., 3149, Australia
Fax: (03)9543-1350 Telephone: (03)9265-5400

OLYMPUS LATIN AMERICA INC.

5301 Blue Lagoon Drive, Suite 290 Miami, FL 33126-2097, U.S.A.
Fax: (305)261-4421 Telephone: (305)266-2332

OLYMPUS KOREA CO., LTD.

Olympus-Tower, 114-9 Samseong-Dong, Gangnam-Gu, Seoul 135-090 Korea
Fax: (02)6255-3494 Telephone: (02)6255-3210

MAINTENANCE & REPAIR MANUAL

M- NP1 / WM- WP1 / WM- DP1 WORKSTATIONS

CHANGE OF ISSUE LOG

When an up-issued copy of this manual is received, record its receipt on this page.

A brief description of the change can be found on the last page of the manual : Summary of Change History.

Changes made to the current issue are highlighted in the manual by a vertical line in the right hand margin.

Each up-issued copy of the manual will include an up-issued copy of this page but it does not have to be retained unless needed as a continuation sheet.

Date	Issue number of manual	Signature	Date	Issue number of manual	Signature

MAINTENANCE & REPAIR MANUAL

WM-NP1 / WM-WP1 WM-DP1

Manual Contents

	Page
Preliminary Material	
Title Page	1
Change of issue log	2
Manual Contents (this page)	3
Chapters	
1 Introduction	4
2 General Information	6
3 Specifications	8
4 Tools & Test Equipment	12
5 Test and Inspection	14
6 Part Replacement	16
7 Illustrated Parts List	27
8 Accessories Illustrated Parts List	39
Summary of Change History	76

Chapter 1 Introduction

Table of Contents

	Page
Introduction	5

1 INTRODUCTION

This Maintenance and Repair Manual has been produced by KeyMed to enable the repair and servicing of the Olympus WM-P1 series mobile workstation.

Although every effort has been made to ensure that this document is correct and complete, KeyMed cannot be held responsible for the safety or reliability of any equipment which has been repaired other than by suitably qualified personnel. It is essential that this manual is read and understood before commencing any work.

Should any additional information or advice be required, please contact:

Olympus KeyMed
Technical Services
Technical Support
KeyMed House
Stock Road
SOUTHEND-ON-SEA
Essex SS2 5QH
United Kingdom

Tel: (01702) 616333
Fax: (01702) 465677
Telex: 995283

Chapter 2 General Information

Table of Contents

	Page
General information	7

2 GENERAL INFORMATION

The Olympus WM-P1 series mobile workstation is intended for use in medical facilities under the direction of a trained physician, and has been designed to accommodate the Olympus video system center and associated ancillary devices as a practical mobile workstation to facilitate GI endoscopy, endoscopic ultrasound, respiratory and surgical endoscopic procedures.

Olympus will not be responsible for damage or injury to equipment or personnel, caused by unauthorised modification or repair to this unit.

Maintenance

In the interest of safety and good maintenance, ensure that all fixings are secure. It is recommended that the security fixing torques of the monitor platform, shelf's, castors and side column fixings specified in the illustrated parts list, are checked every six months.

Chapter 3 Specifications

Table of Contents

	Page
3.1 WM-NP1 / WM-WP1 series mobile workstations	9
3.2 WM-DP1 series mobile workstations	10
3.3 WM-T1 series separation transformers	10

3 SPECIFICATIONS

3.1 WM-NP1 / WM-WP1 series mobile workstations

Product name	WM-NP1 / WM-WP1 mobile workstation
Dimensions (mm)	Height: 1370 (scope in lowest position) 2140 (scope in highest position) 1160 (to top tray) 1826 max (with 19" LCD monitor in highest position) Depth: 650 Width: 645 (WM-NP1) 795 (WM-WP1)
Weight	85kg (WM-NP1) 90kg (WM-WP1) unladen, including fitted transformer.
Load capacity (evenly distributed)	Top tray 20kg Intermediate shelves 31kg each Base panel 31kg NOTE: Equipment stored on the mobile workstation should not exceed the size of the shelf.
Castors	4 x 125mm non-antistatic, two with brakes.*
Ambient temperature (-40°F to +158°F)	Storage: -40°C to +70°C Operation: 10 - 40°C (50 - 104°F)
Relative humidity	95% maximum @ 40°C (104°F) non-condensing
Atmospheric pressure	Storage: 23.5-106 kPa (3.4-15.37lbf/in ²) Operation: 70-106 kPa (10.15-15.37lbf/in ²)

* UK workstations fitted with Antistatic castors from Oct 2007.

3.2 WM-DP1 series mobile workstations

Product name	WM-DP1 mobile workstation		
Dimensions (mm)	Height:	1370 (scope in lowest position) 2140 (scope in highest position) 1160 (to top tray) 1826 max (with 19" LCD monitor in highest position)	
	Depth:	655	
	Width:	1100	
Weight	120kg unladen, including fitted transformer.		
Load capacity (evenly distributed)	Top tray	10kg	
	Intermediate shelves	26kg each	
	Base panel	45kg	
	NOTE: Equipment stored on the mobile workstation should not exceed the size of the shelf.		
Castors	4 x 125mm non-antistatic, two with brakes.*		
Ambient temperature (-40°F to +158°F)	Storage:	-40°C to +70°C	
	Operation:	10 - 40°C (50 - 104°F)	
Relative humidity	95% maximum @ 40°C (104°F) non-condensing		
Atmospheric pressure	Storage:	23.5-106 kPa (3.4-15.37lbf/in ²)	
	Operation:	70-106 kPa (10.15-15.37lbf/in ²)	

* UK workstations fitted with Antistatic castors from Oct 2007.

3.3 WM-T1 series separation transformers

Product name	Olympus Separation Transformer			
Identification	Market	Japan	USA	UK, Europe, Rest of the world
	Model No.	MAJ-173	MAJ-174	MAJ-175
	Part No.	K10000289	K10000290	K10000291
Power input requirements	Input voltage	100V	110-120V	220-240V
	Frequency	50/60Hz	60Hz	50/60Hz
	Power input (max)	1350VA	1300VA	1900VA
	Power cable part No.	K10001001	K10001002	K10001003 (UK) K10001004 (Europe) K10001005 (RoW)
Power output	Maximum load	1250VA *	1250VA	1800VA
		* Maximum 10A load per IEC socket outlet (MAJ-173 only)		
Overload protection	Input circuit breakers	2 x 15A	2 x 13A	2 x 9A
	Output fuse	T15AH	T15AH	T10AH

Potential equalisation	Terminals fitted	2 at input, 2 x 6 at output
Classification	Standards compliance	The Separation Transformer conforms to the relevant requirements of EN IEC 60601-1/EN IEC 60601-1-1:2001, Annex EEE/UL 60601-1 and CAN/CSA Std. No. C22.2 No. 601.1-M90
	Type of protection against electric shock.	Class I equipment.
	Degree of protection against explosion	NONE - The Separation transformer should not be used within the zone of risk of flammable gases
	Degree of protection against ingress of water.	IPX0 as defined in EN IEC 60529:1992, ordinary equipment.
	Mode of operation	Continuous
Environmental conditions	Ambient temperature	Storage: -40°C to 70°C (-40°F to 158°F) Operation: 10°C to 40°C (50°F to 104°F)
	Atmospheric pressure	Storage/Operation: 70-106 kPa (10.3-15.4lbf/in2)
	Relative humidity	95% maximum @ 40°C (104°F) non-condensing
Regulatory status	European Economic Area (EEA)	 <p>220-240V units are CE marked in accordance with Directive 93/42/EEC of 14 June 1993 concerning medical devices, as an accessory to a medical device, Class I. Year of manufacture is given in first two digits of serial number.</p>
End of Life		 <p>In accordance with European Directive 2002/96/EC on Waste Electrical and Electronic Equipment, this symbol indicates that the product must not be disposed of as unsorted municipal waste, but should be collected separately. Refer to your local Olympus distributor for return and/or collection systems available in your country.</p>

The Olympus WM-P1 series Mobile Workstation and Separation Transformer is manufactured in the UK by KeyMed (Medical & Industrial Equipment) Ltd.

Chapter 4 Tools & Test Equipment

Table of Contents

4.1	Standard Tools and Test equipment required	13
4.2	Specialised tools required	13
4.3	Consumables	13

4 TOOLS & TEST EQUIPMENT

4.1 Standard Tools required

Flat blade screwdriver	Torque driver
No 2 Pozidrive tool bit	No 3 Pozidrive tool bit
4mm Hex tool bit	8mm Hex tool bit
10mm Hex tool bit	10mm A/F socket
13mm A/F Slim socket	Ball driver 6mm A/F
Short No 2 Pozidrive screwdriver	Torx bit T30
Torque wrench (1/2" drive)..	M12 tap
Britool part no AVT300A Torque range 5 to 33 Nm.	
Insulation tester which works at 500Vdc.	-

4.2 Specialised Tools

Castor spanner WM-P1 - K10005023 -used with 1/2" drive torque wrench.

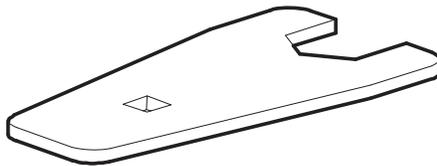


FIGURE 4-1
CASTOR SPANNER WM-P1 -
K10005023

4.3 Consumables

Loctite 243 10ml bottle - part number K10006486

Loctite 243 - part number 3001857

Chapter 5 Test and Inspection

Table of Contents

	Page
5.1 Power supply	15
5.2 Castor security	15
5.3 Castor - electrical resistance test	15

5 TEST AND INSPECTION

5.1 Power supply

- (1) Check the power supply cable and plug for excessive protrusion, twists, deformation or other irregularities.

5.2 Castor security

- (1) Check the security of castors at six-monthly intervals. If loose use castor spanner (K10005023) fitted to a standard 1/2" drive torque driver to tighten to a torque of 30Nm.
If castor spanner (K10005023) is not used, then torque value on the driver should be set to 38Nm. Refer to Chap 6.6.

5.3 Castors - electrical resistance test

NOTE

This test is only applicable to workstations fitted with 'anti-static' castors, indicated by a yellow wheel centre or swivel bearing collar, or a yellow dot on the tyre.

- (1) Ensure that the workstation power cable is disconnected from the wall socket.
- (2) Thoroughly clean each of the tyres.
- (3) Roll a castor onto a metal plate which is insulated from the floor.
- (4) Using a proprietary insulation tester working at 500Vdc, measure the resistance between the castor mounting point and the plate. In cases where it is difficult to attach the test lead directly to the the castor mountings it is permissible to connect to exposed metalwork (such as a screw head) on the base of the workstation, provided that it is electrically connected to the castor mounting point.
The average resistance should not exceed 100k Ω for castors rated as 'Conductive' according to ISO22881:2004, measured at three different points on the tyre's circumference.
- (5) Repeat the procedure on the other castors.

Chapter 6 Part Replacement

Table of Contents

	Page
6.1 General	17
6.2 Blanking caps & Cable tidy replacement	17
6.3 Bracket twin LG holder replacement	17
6.4 Rear panel replacement	18
6.5 Shelf corner moulding replacement	18
6.6 Castor replacement	19
6.7 Remote switch replacement	20
6.8 Top tray replacement WM-NP1	21
6.9 Top tray replacement WM-WP1	22
6.10 Top tray replacement WM-DP1	23
6.11 Shelf replacement	24
6.12 Scope pole clamp P1 series replacement	25
6.13 Runner-scope pole P1 series replacement	25
6.14 Nutstrip P1 series replacement	25
6.15 Power cable replacement	26
6.16 Separation transformer replacement	26

6 PART REPLACEMENT

6.1 General

The item numbers referred to throughout this Chapter are the same as those used in the Illustrated Parts List, Chapter 6.

To aid part replacement the following are available :

MAJ-198 WN-NP1 Sheft kit (Narrow) -	K10001429	MAJ-199 WN-WP1 Shelf kit (Wide) -	K10001430
Rear panel kit WM-NP1	K10005044	Rear panelkit WM-WP	K10005041
Free castor kit	K10004627	Braked castor kit	K10004626
Castor free kit WM-P1 series A/S	K10005041	Castor braked kit WM-P1 series A/S	K10005040
Castor spanner WM-P1 series	K10005023	Remote switch kit WM-P1 series	K10005049
Umbilical/camera head holder kit	K10006648		

Before replacing any part on the workstation ensure that all mains power is disconnected.

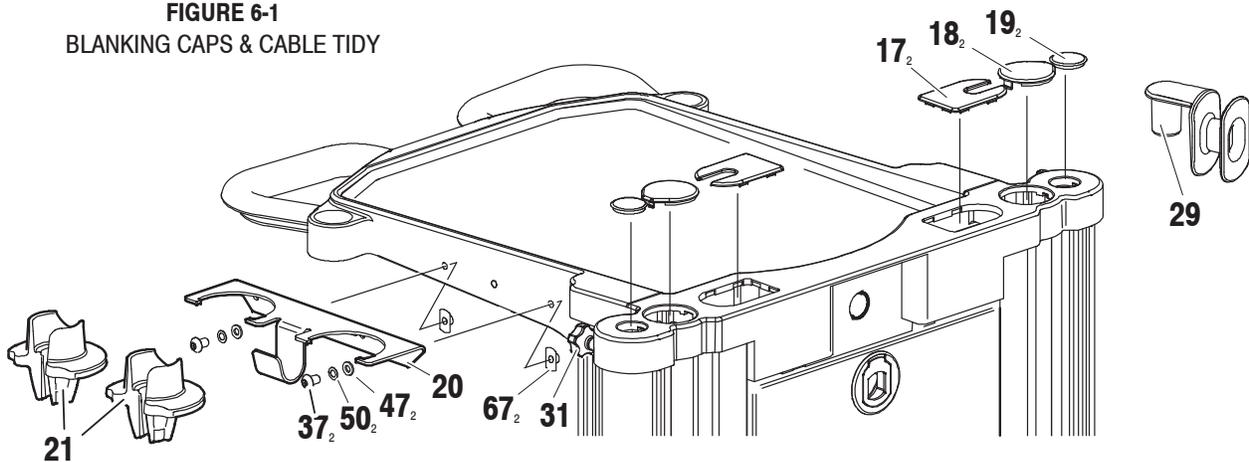
Olympus will not be responsible for damage or injury to equipment or personnel, caused by unauthorised modification or repair to this unit.

In the interests of safety and good maintenance ensure that fixings are tightened to the torque settings shown in the parts list, illustrated parts list and part replacement chapter.

6.2 Blanking caps & Cable tidy replacement

- (1) Refer to Figure 6-1. Blanking caps: Cable port (item 17), Monitor (item 18) and Scope pole (item 19) are a push fit and so require to be carefully prised out of position.
- (2) Unscrew Handknob (item 31) to release Cable tidy (item 29).

FIGURE 6-1
BLANKING CAPS & CABLE TIDY



6.3 Bracket twin LG holder replacement

- (1) Refer to Figure 6-1 . and using 4mm hex drive tool bit remove Bracket twin LG holder (item 20) release two screws (item 37) and washer crinkle (item 50) with washer (item 47) from jetnut (item 67).
- (2) Replace/refit in reverse order. Using 4mm hex drive tool bit in torque driver ensure that screw (item 37) is tightened to a torque of 6Nm.

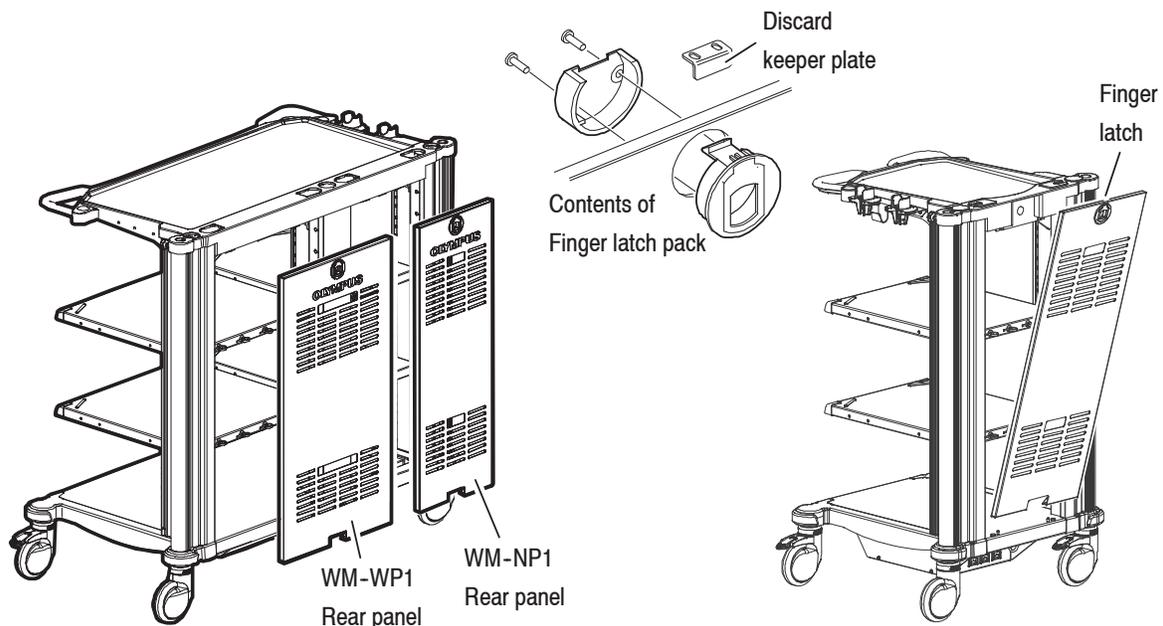
6.4 Rear panel replacement

Each Rear panel is available as a kit which includes two feet and a finger latch pack. Fit the finger latch as shown in Figure 6-2 and discard the keeper plate, if supplied.

WM-NP1 Rear panel - part no K10005044. WM-WP1 Rear panel - part no K10005045

- (1) Refer to Figure 6-2, pull the finger latch to release the top of the rear panel.
- (2) Lift the rear panel from the two studs on the base of the workstation.
- (3) Refit /replace the rear panel.

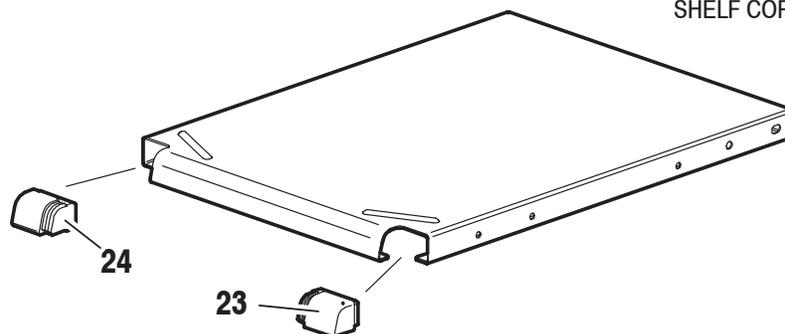
FIGURE 6-2
REAR PANEL REPLACEMENT



6.5 Shelf corner moulding replacement

- (1) Refer to Figure 6-3 each corner buffer (item 23 & 24) may be levered off.
- (2) Reassemble by pushing each buffer into place.

FIGURE 6-3
SHELF CORNER MOULDINGS



6.6 Castor replacement

Each workstation has two lockable castors (item 4) and two free castors (item 3).

Maintenance/Repair kits available: -

Free castor kit	K10004627	Braked castor kit	K10004626
Castor free kit WM-P1 series A/S	K10005041	Castor braked kit WM-P1 series A/S	K10005040

Special tool :

Castor spanner WM-P1 series	K10005023
-----------------------------	-----------

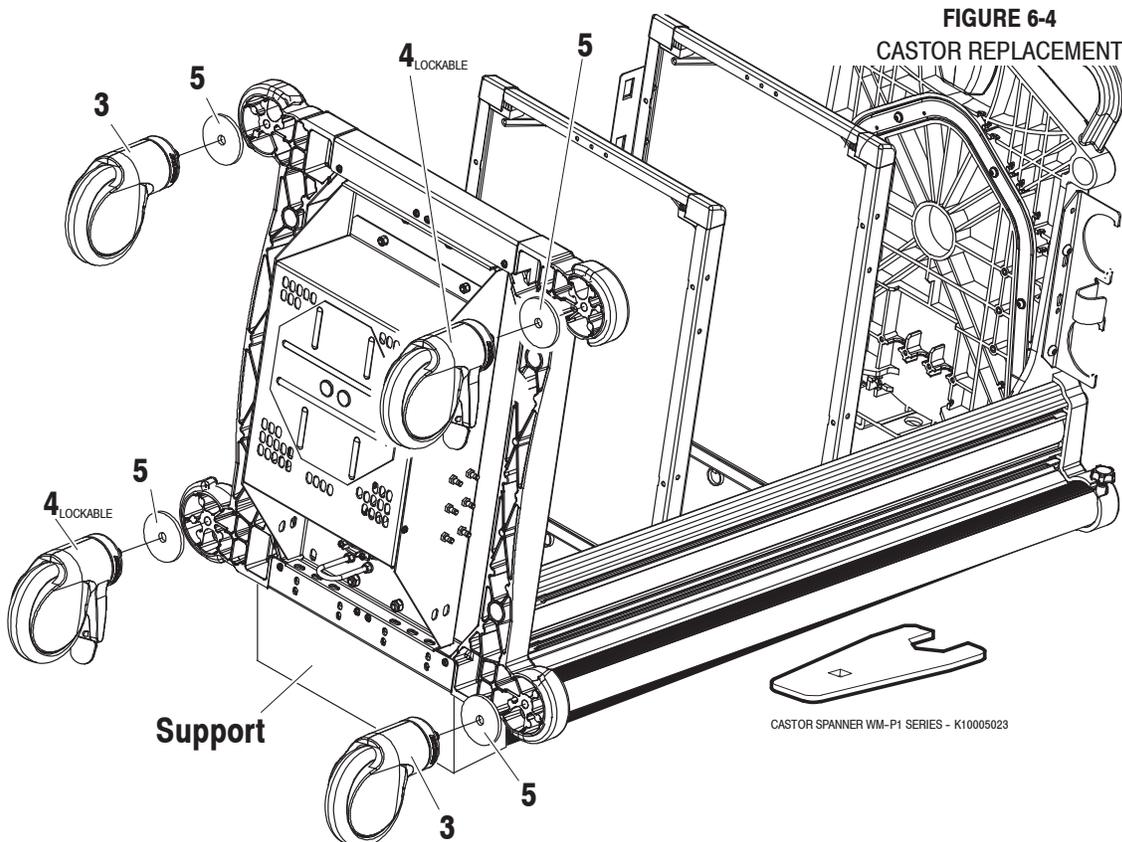
- (1) Disconnect all power to the workstation.
 - (2) Remove rear panel and all equipment.
 - (3) Where fitted remove the scope pole or IV pole.
 - (4) Where fitted stow Keyboard Tray or Keyboard Arm - Side Mounted.
 - (5) Remove the cable winder (item 19)
 - (6) Place the workstation carefully on to it's back. *The WM-DP1 exceeds 30Kg and must be handled by two people.*
 - (7) Refer to Figure 6-4. For ease of access to the lower castors elevate and securely support the base end of the workstation.
 - (8) Using Castor spanner tool K10005023 fitted to a 1/2" drive wrench release the castor (item 3 or 4) and washer (item 5).
 - (9) Ensure that lockable castors(item 4) are refitted in the original location, refer to Figure 6-4
- Run a M12 tap through the castor fixing hole to clear any residual Loctite adhesive.

When attaching a castor ensure that the thread of the bolt is smeared with loctite 243 (item 60), use Castor spanner tool K10005023 fitted to a torque driver to tighten to a torque of 30Nm.

NOTE If Castor spanner tool K10005023 is not used, then the torque value on the driver should be set to 38Nm.

Stand the workstation on it's castors, re-install the equipment.

To allow the loctite to cure, the workstation should be kept in a location for 24 hours where the temperature is not below 22°C and manouvering on bumpy surfaces is avoided.

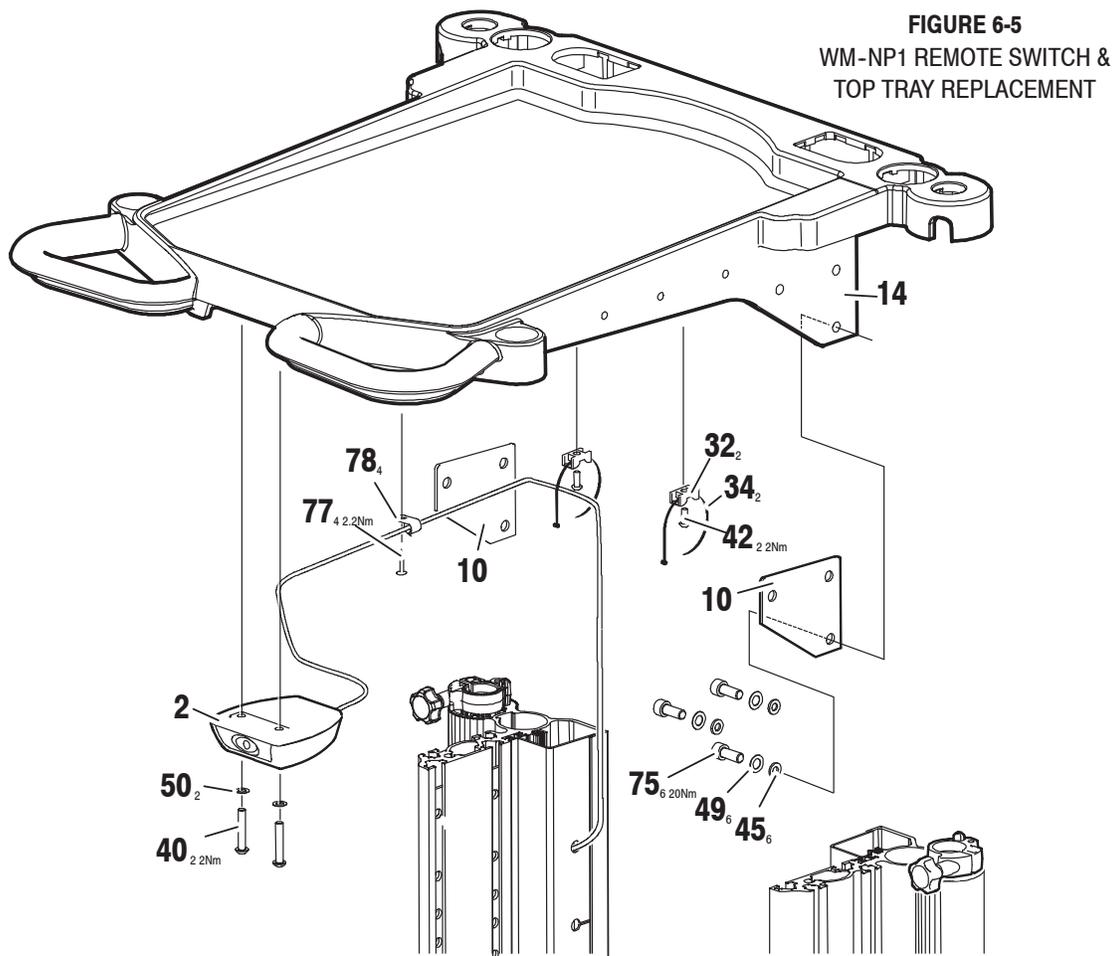


6.7 Remote switch replacement

- (1) Unplug the Remote switch plug from the separation transformer.
- (2) Refer to Figure 6-5 for WM-NP1, Figure 6-6 for WM-WP1 and Figure 6-7 for WM-DP1, use a No 2 Pozi drive tool to release four screws (item 77) securing four p clips (item 78).
- (3) Release the remote switch cable from releasable cable tie (item 34).
- (4) Free the cable from the column side cable retainer.
- (5) Using 4mm hex drive tool release two screws (item 40) with washer (item 50) to release remote switch (item 2).
- (6) Reassemble in reverse order, use 4mm hex drive tool in torque wrench to tighten remote switch fixings to 2Nm.
- (7) Fit four p clips to remote switch cable. Use a No 2 pozi driver in a torque wrench to fasten four screws (item 77) securing four p clips (item 78) tighten to torque of 2.2Nm.
- (8) Route the remote switch cable to releasable cable tie (item 34). Take up any slack in the cable toward the switch and tighten the cable tie.
- (9) Plug the Remote switch cable into the separation transformer.
- (10) Route remaining cable into column side cable retainer.

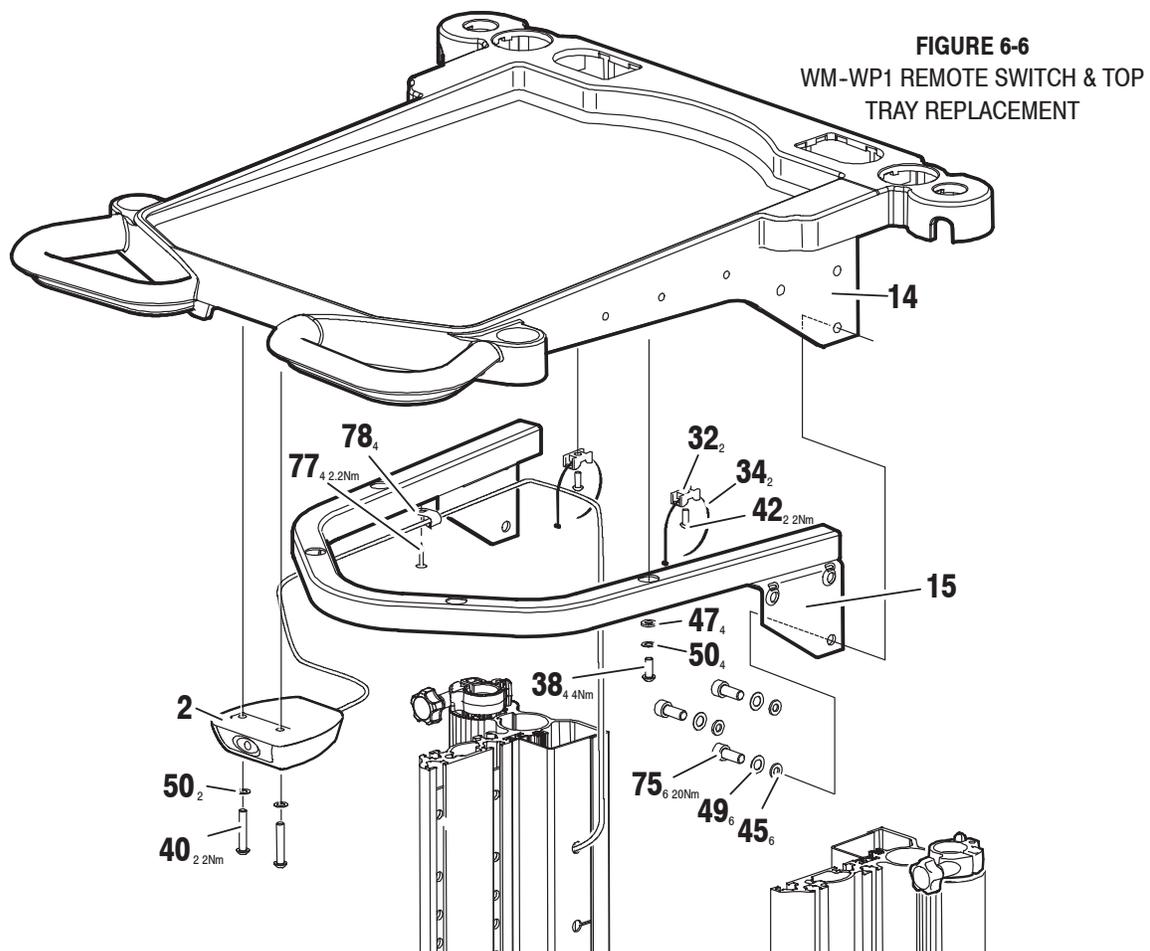
6.8 Top Tray replacement WM-NP1

- (1) Remove all equipment from the top tray (item 14)
- (2) Refer to Section 6.7 and remove the Remote switch assembly and cable (item 2) from the top tray.
- (3) Refer to Figure 6-5 to release Support plates WM-DP1 (item 10) and Top tray (item 14). Using a 6mm allen key unscrew six screws (item 75) with washer crinkle (item 49) and washer (item 45).
- (4) Reassemble in reverse order. Place top tray assembly into place between the side columns. Position each Support plate WM-DP1 (item 10) insert but do not fully tighten, three screws (item 75) with washer crinkle (item 49) and washer (item 45) using 6mm hex drive tool. Using 6mm hex drive tool in torque wrench fully tighten to 20Nm.
- (5) Refer to section 6.7 to refit remote switch.



6.9 Top Tray replacement WM-WP1

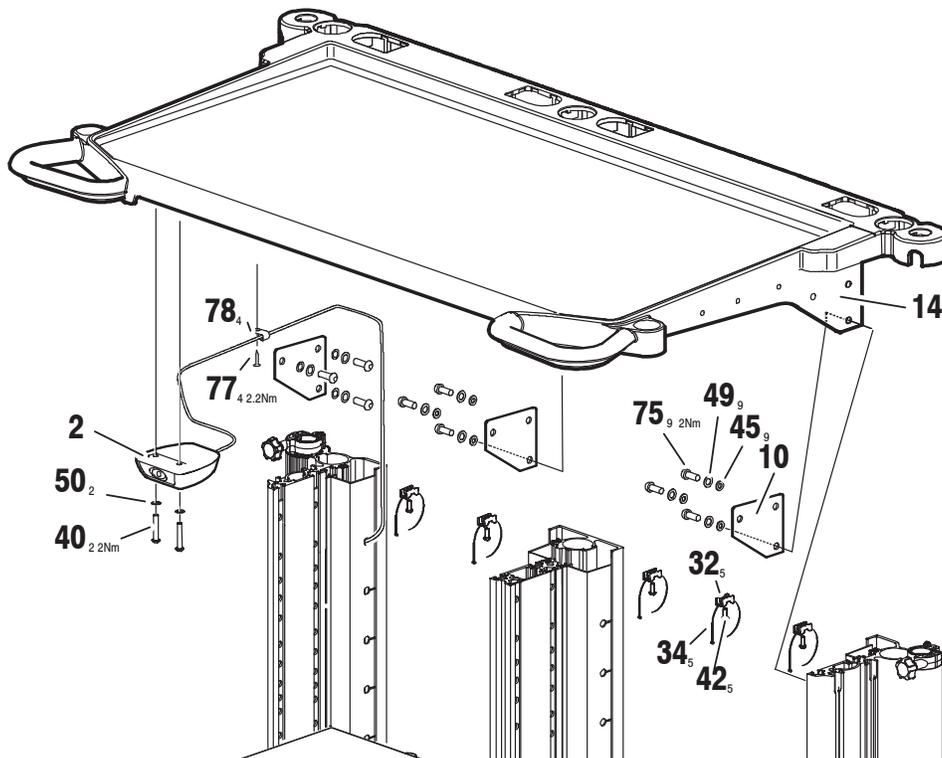
- (1) Remove all equipment from the top tray (item 14)
- (2) Refer to Section 6.7 and remove the Remote switch assembly and cable (item 2) from the top tray.
- (3) Refer to Figure 6-6. Using a 6mm allen key unscrew six screws (item 75) with washer crinkle (item 49) and washer (item 45).
- (4) Remove and invert the top tray. Using a 6mm allen key release four screws (item 28) with washer (item 50) and crinkle washer (item 45). Separate the Top tray (item 14) from Support top tray wide (item 15).
- (5) Reassemble in reverse order. Secure top tray (item 14) to Top tray support wide (item 15) using a 6mm allen key to fasten four screws (item 28) with washer (item 50) and crinkle washer (item 47) Do not fully tighten.
- (6) Place top tray assembly into place between the side columns. Using 6mm hex drive tool in torque wrench tighten six screws (item 75) with washer crinkle (item 49) and washer (item 45) to 20Nm.
- (7) Fully tighten four screws (item 28) securing support toptray narrow to top tray using 6mm hex drive tool in torque wrench to 4Nm
- (8) Refer to section 6.7 to refit remote switch.



6.10 Top Tray Replacement WM-DP1

- (1) Remove all equipment from the top tray (item 14)
- (2) Refer to Section 6.7 and remove the Remote switch assembly and cable (item 2) from the top tray.
- (3) Refer to Figure 6-7 to release Support plates WM-DP1 (item 10) and Top tray (item 14). Using a 6mm allen key unscrew nine screws (item 75) with washer crinkle (item 49) and washer (item 45).
- (4) Reassemble in reverse order. Place top tray assembly into place between the side columns. Position each Support plate WM-DP1 (item 10) insert but do not fully tighten, three screws (item 75) with washer crinkle (item 49) and washer (item 45) using 6mm hex drive tool. Using 6mm hex drive tool in torque wrench fully tighten to 20Nm.
- (5) Refer to section 6.7 to refit remote switch.

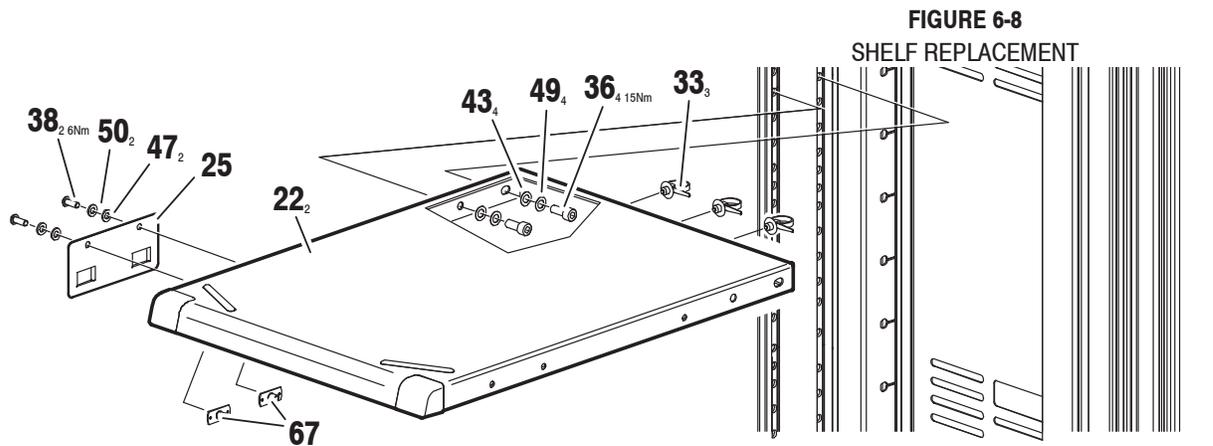
FIGURE 6-7
WM-DP1 REMOTE SWITCH AND TOP
TRAY REPLACEMENT



6.11 Shelf replacement

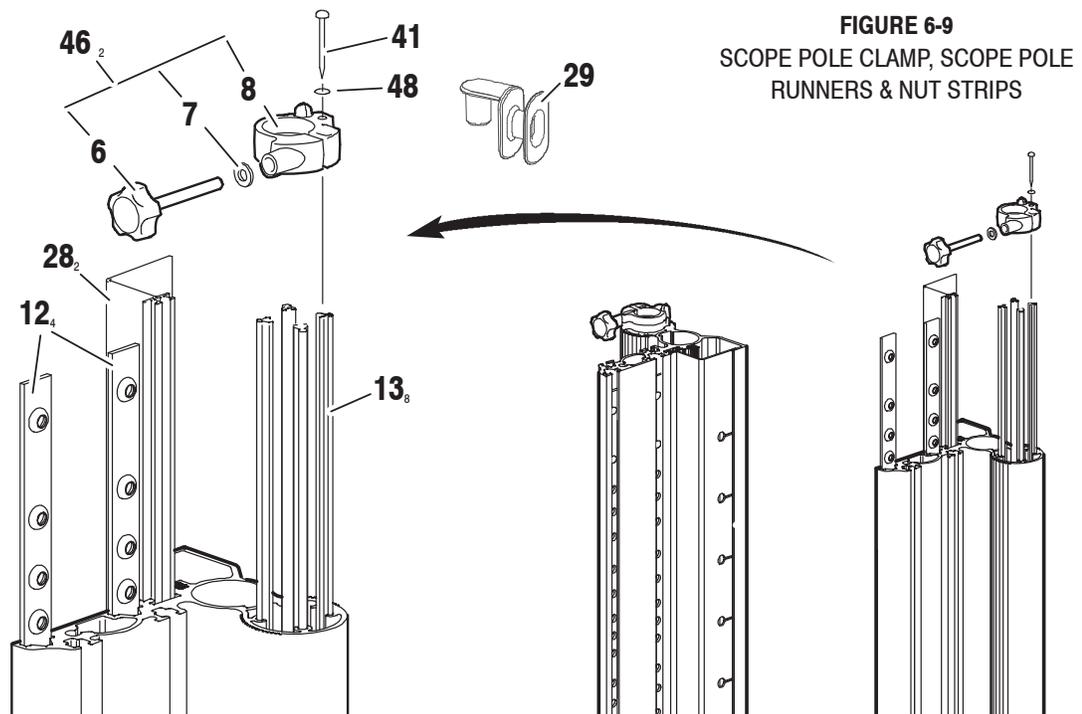
Shelf kits : - MAJ-198 WM-NP1 SHELF KIT (NARROW) - K10001429
MAJ-199 WM-WP1 SHELF KIT (WIDE) - K10001430

- (1) To remove shelf (item 22) refer to Figure 6-8.
- (2) If the shelf is to be refitted at the same height make carefull note of the fixing holes used.
- (3) Using 6mm hex drive tool bit in power torque tool release four screws (item 36) with washer crinkle (item 49) and washer (item 43).
- (4) Reassemble ensuring that the fixings are tightened to a torque of 15Nm.



6.12 Scope pole clamp P1 series

- (1) Refer to Figure 6-1. Blanking caps : Cable port (item 17), Monitor (item 18) and Scope pole (item 19) are a push fit and so require to be carefully prised out of position.
- (2) Refer to Figure 6-9 Unscrew Handknob (item 6) to release Cable tidy (item 29).
- (3) Remove the top tray, refer to section 6.8 for WM-NP1, section 6.9 for WM-WP1 and section 6.10 for WM-DP1.
- (4) Refer to Figure 6-9 Use a pozi screwdriver to release screw (item 41) with washer (item 48) and remove Scope Pole Clamp Assy (item 46).
- (5) Refit in reverse order ensuring that Screw (item 41) is tightend to 2.5Nm using a No2 pozi drive tool bit in powered torque tool.
- (6) Refit remaining parts in reverse order.



6.13 Runner- scope pole P1 series

- (1) Refer to section 5.11 to remove scope pole clamp P1 series.
- (2) Lift each runner from it's slot in the side column.
- (3) Re fit in reverse order.

6.14 Nutstrip P1 series

- (1) Remove the top tray refer to section 5.8 for WM-NP1, section 5.9 for WM-WP1 and section 5.10 for WM-DP1
- (2) Refer to Figure 6-9 and remove Nutstips (item 12) noting which side of the nutstrip is facing outward.
- (3) Replace/refit in reverse order.

6.15 Power cable replacement

The power cable (item 58) may be replaced while the transformer is within the workstation.

- (1) Disconnect from mains power supply.
- (2) Disconnect the power cable from the transformer.
- (3) Disconnect output cables.
- (4) Refer to Figure 6-10. Using a short No 2 Pozidrive screwdriver release the four screws from cable clamps.

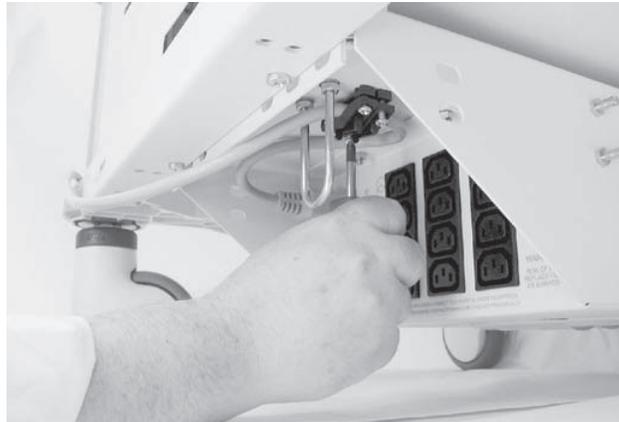


FIGURE 6-10
POWER CABLE CLAMP

- (5) Position a new power cable to ensure that the input connector cable end is 30cm from the clamp.
- (6) Tighten one clamp sufficient to ensure that a firm pull on the power cable is not transmitted to the loop between the clamp and the input connector. Tighten the second clamp a similar amount to the first.

6.16 Separation Transformer replacement

Refer to Transformers for Mobile Workstations Maintenance & Repair Manual part no: K5070505

CAUTION

The Separation Transformer weighs up to 30 kg, take care when lifting.

It is recommended that two people are involved in the disassembly and reassembly of the Separation Transformer.

Chapter 7 Illustrated Parts List

Table of Contents

	Page
7.1 WM-NP1, WM-WP1 & WM-DP1 Mobile Workstation	28

7 ILLUSTRATED PARTS LIST

7.1 WM-NP1, WM-WP1 & WM-DP1 MOBILE WORKSTATION

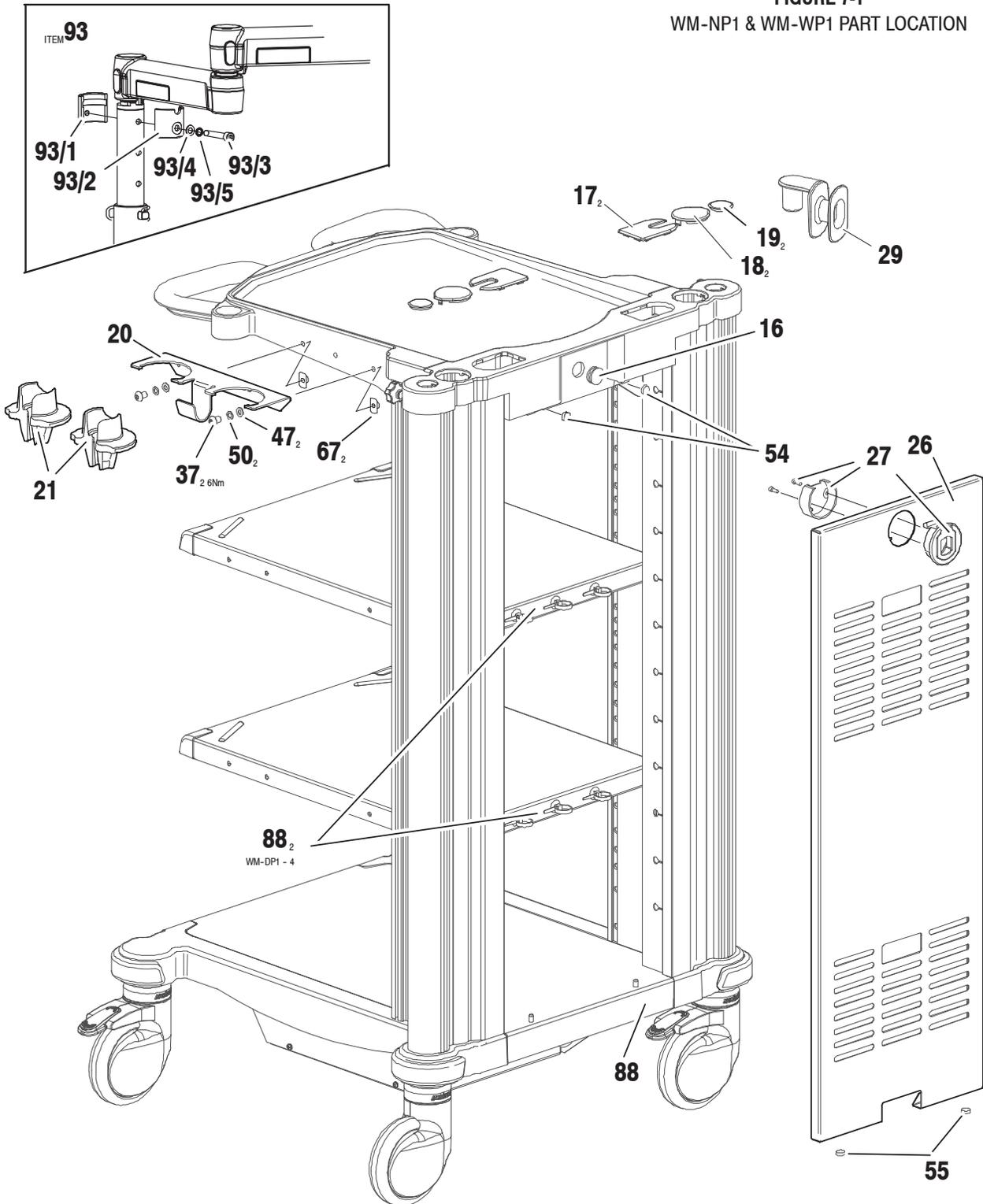


FIGURE 7-2
WM-DP1 PART LOCATION

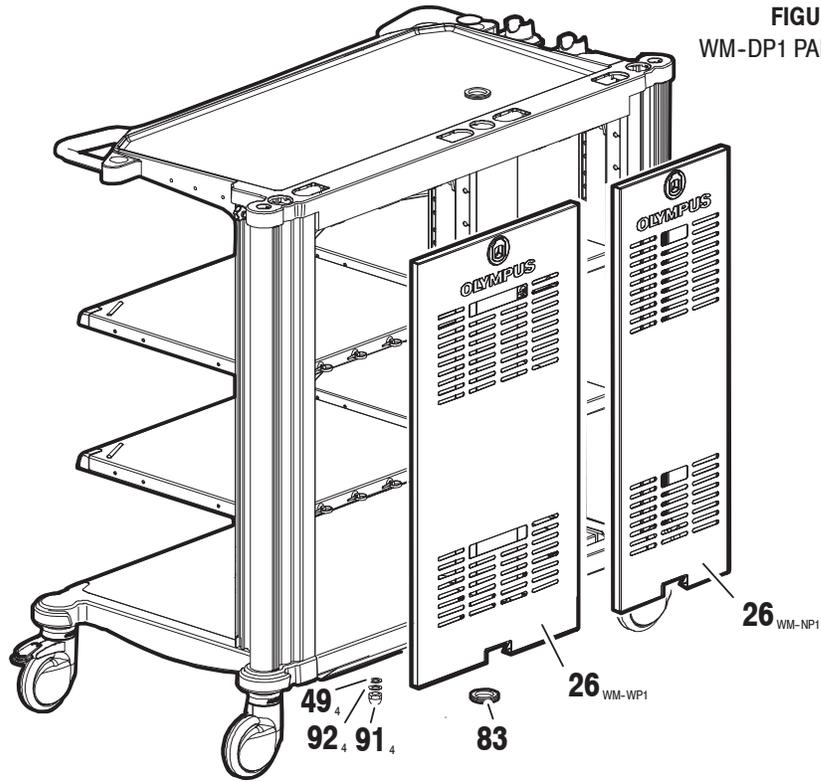


FIGURE 7-3
WM-NP1 PART LOCATION

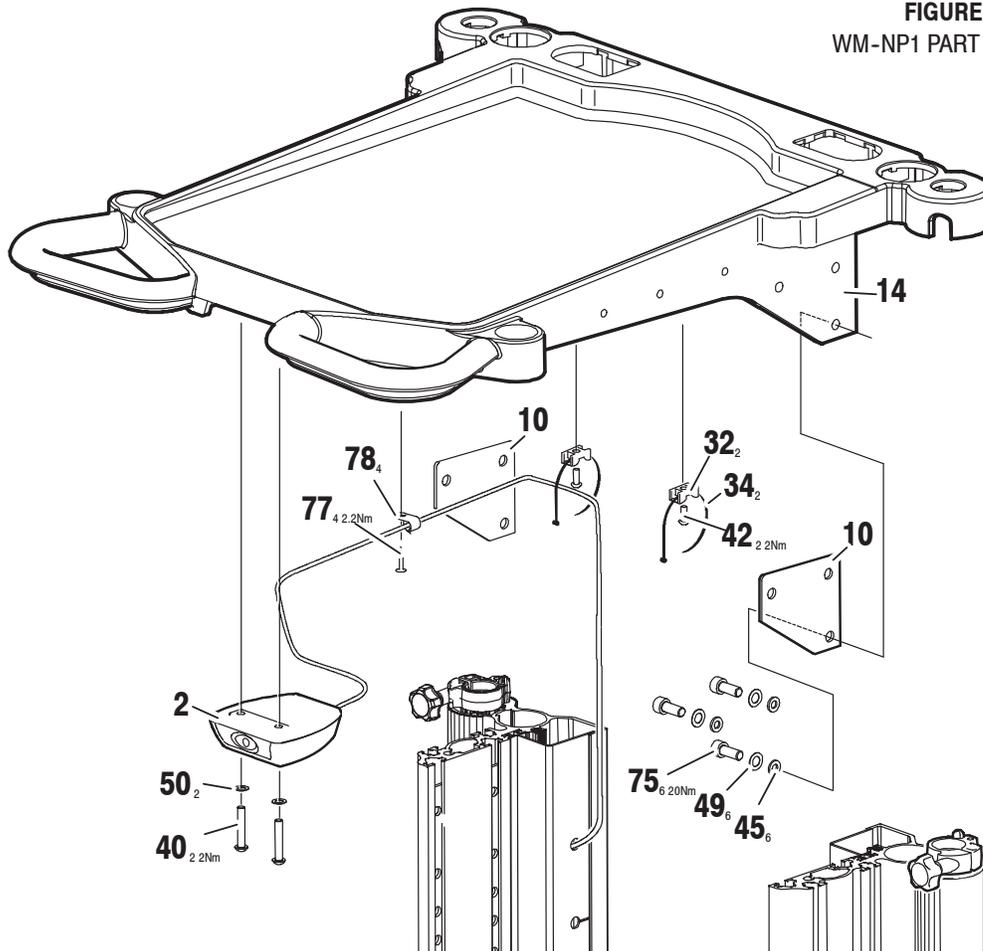


FIGURE 7-4
WM-WP1 PART LOCATION

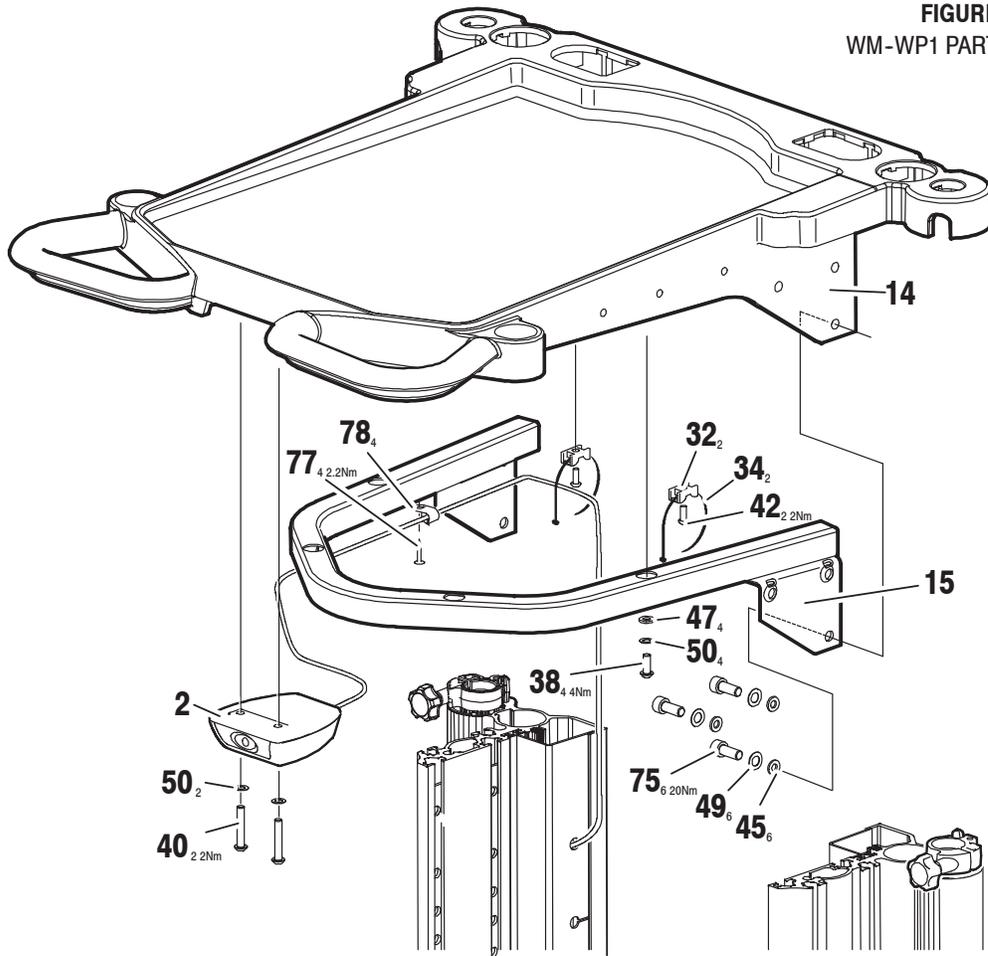


FIGURE 7-5
WM-DP1 PART LOCATION

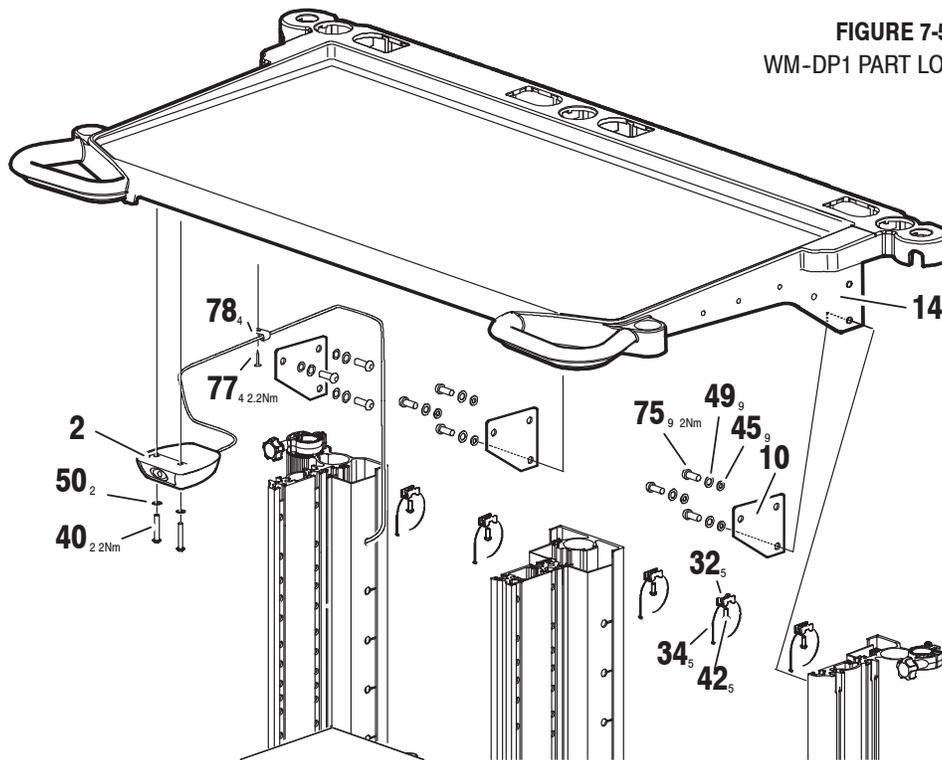
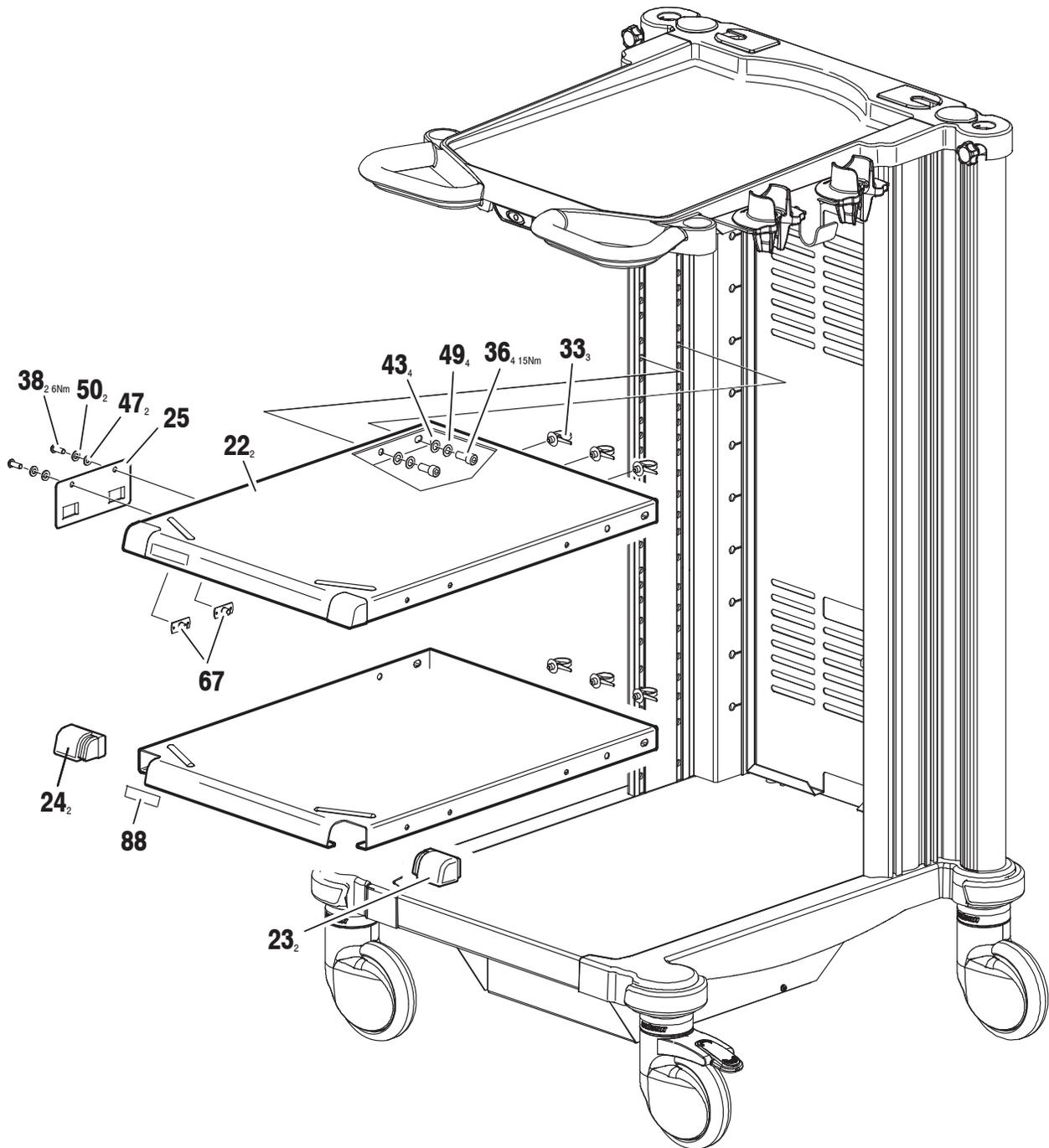


FIGURE 7-6
WM-NP1 & WM-WP1 PART LOCATION



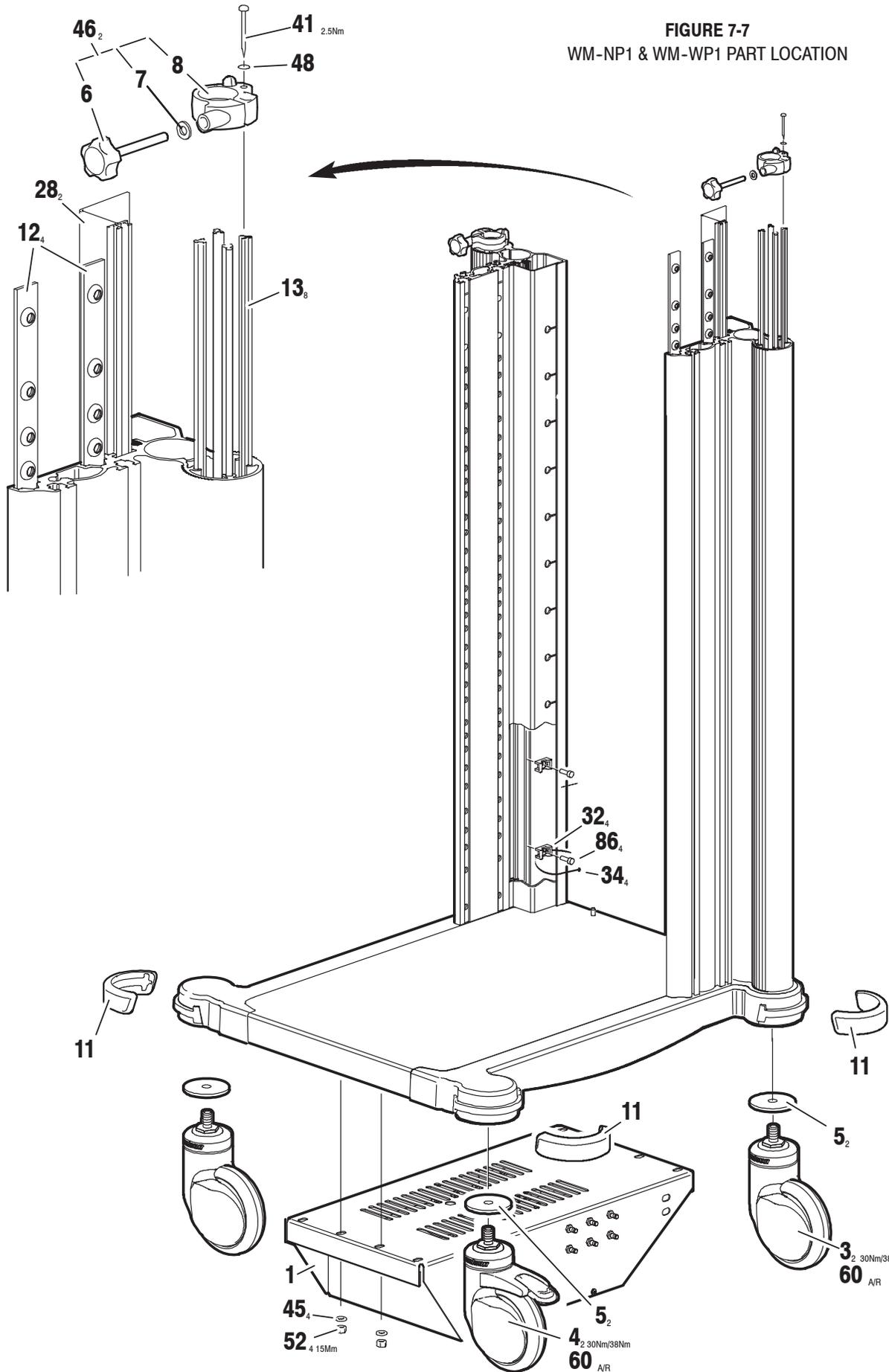


FIGURE 7-7
WM-NP1 & WM-WP1 PART LOCATION

WM-NP1 100V JP	p/no K10000284	WM-DP1 100V JP	p/no K10003725
WM-NP1 110-120V US	p/no K10000285	WM-DP1 110-120V US	p/no K10003726
WM-NP1 220-240V UK A/S	p/no K10000286	WM-DP1 220-240V UK A/S	p/no K10003727
WM-NP1 220-240V EU	p/no K10000287	WM-DP1 220-240V EU	p/no K10003728
WM-NP1 220-240V ROW	p/no K10000288	WM-DP1 220-240V ROW	p/no K10003729
WM-NP1 220-240V EU-A/S	p/no K10004412		
WM-NP1 A/S	p/no K10004537		
WM-WP1 100V JP	p/no K10001332		
WM-WP1 110-120V US	p/no K10001333		
WM-WP1 220-240V UK A/S	p/no K10001334		
WM-WP1 220-240V EU	p/no K10001335		
WM-WP1 220-240V ROW	p/no K10001336		
WM-WP1 220-240V EU-A/S	p/no K10004413		
WM-WP1 A/S	p/no K10004538		

Item	Description	Part No	Qty	Torque	Remarks
1	MAJ-173 TRANSFORMER WM-T1 100V	K10006316	1	-	Packaged spare JP
		K10000289	1	-	JP
	MAJ-174 TRANSFORMER	K10006317	1	-	Packaged spare US
		K10000290	1	-	US
	MAJ-175 TRANSFORMER WM-T1 220-240V	K10006318	1	-	Packaged spare UK, EU, ROW
		K10000291	1	-	UK, EU, ROW
	BALLAST WEIGHT ASSEMBLY	K10004504	1	-	N, NS
2	REMOTE SWITCH WM-260 ASSY	K7504585	1	-	V
3	CASTOR-FREE	-	2	-	L, BB
	CASTOR-FREE (ANTISTATIC)	K10004419	2	-	N,P, U, BB
4	CASTOR-BRAKED	-	2	-	M, BB
	CASTOR-BRAKED (ANTISTATIC)	K10004420	2	-	N,P, T, BB
5	WASHER CASTOR 5mm THICK	K7505795	4	-	L, M
6	HANDKNOB BLACK M6	K3921470	1	-	
7	WASHER M6	K3921292	1	-	
8	SCOPE POLE CLAMP P1 SERIES	K7506327	1		
9	SPARE				
10	PLATES SUPPORT WM-DP1	K10006102	NP1-2. DP1-3	-	-
11	BUMPER CORNER WRAP	K10001042	4	-	-
12	NUTSTRIP P1 SERIES	K10000089	4	-	-
13	RUNNER-SCOPE POLE P1 SERIES	K10008227	8	-	-
14	TOP TRAY WM-NP1 SERIES	K10000088	1	-	NP1, Z
	TOP TRAY WM-WP1 SERIES	K10003423	1	-	WP1
	TOP TRAY WM-DP1 SERIES	K10005448	1	-	DP1
15	SUPPORT TOP TRAY WIDE	K10001312	1	-	WP1
16	INSERT ROUND RIBBED	K10003374	1	-	-

Item	Description	Part No	Qty	Torque	Remarks
17	BLANKING CAP CABLE PORT WM-260	K7503929	-	-	C
18	BLANKING CAP MONITOR WM-260	K7504466	-	-	C
19	BLANKING CAP SCOPE POLE WM-260	K7504468	-	-	C
20	CONNECTOR HOLDER BRACKET	K10001392	1	-	W
21	CONNECTOR HOLDER WM-P1 SERIES	K10000054	2	-	W
22	SHELF WM-NP1 SERIES	K10000203	2	-	R, NP1, DP1
	SHELF WM-WP1 SERIES	K10001307	2	-	S, WP1, DP1
23	CORNER BUFFER - SHELF R/H	K10001123	2	-	R, S
24	CORNER BUFFER - SHELF L/H	K10001124	2	-	R, S
25	WATER BOTTLE BRACKET	K7503823	1	-	-
26	REAR DOOR WM-NP1 SERIES	-	1	-	H
	REAR DOOR WM-WP1 SERIES	-	1	-	J
27	LATCH SPARE FOR WM-*P1 RANGE	K10016172	1	-	H, J
28	RETAINER CABLE CO-EXTRUSION	K7506066	2	-	-
29	CABLE HANGER - WITH PIN	K10001377	-	-	C
30	SPARE				
31	SPARE				
32	CABLE TIE MOUNTING CRADLE	K10003392	6	-	-
33	CABLE CLIP RELEASABLE NYLON	3920309	NP1, WP1-6. DP1-14	-	R, S
34	CABLE TIE REL 4.8W x 200L BLACK	K3921530	-	-	C
35	SPARE				
36	SCREW M8 x 16 HEX SKT CAP HD	K3921515	NP1, WP1-8. DP1-16	15Nm	R, S
37	SCREW M6 x 25 HEX SKT BUTT HD	3920369	2	6Nm	W
38	SCREW M6 x 12 HEX SKT BUTT HD	3920326	NP1-2 WP1-6	-	A, B
39	SCREW M6 x 20 THREADFORMING PAN HD	K10006549	8	-	DP1
40	SCREW M6 x 35 HEX SKT BUTT HD	3050858	2	2Nm	-
41	SCREW 4.2 x 32 POZI PAN HD SELF TAPPING	K3921389	2	-	-
42	SCREW M6 x 12 SELF TAPPING	K10003437	2	-	-
43	WASHER 24 OD	K3921536	8	-	R, S
44	SPARE				
45	WASHER M8	3920372	10, DP1-15	-	Y
46	SCOPE POLE CLAMP ASSEMBLY	K10006167	2	-	-
47	WASHER M6	3920333	4, DP1-14	-	W
48	WASHER M4	3072461	2	-	-
49	WASHER CRINKLE M8	K3920997	NP1, WP1-14, DP1-31	-	R, S, Y
50	WASHER CRINKLE M6	3072622	NP1, WP1-6 DP1-16	-	W
51	NUT M6	3920335	10	-	DP1
52	NUT M8 NYLOC ST.ST	K10006624	4	15Nm	-
53	SPARE				
54	FOOT SELF ADHESIVE	3116247	2	-	-

Item	Description	Part No	Qty	Torque	Remarks
55	FOOT PUSH-IN	K10003425	NP1, WP1-2 DP1-4	-	H, J
56	POWER CABLE UNIVERSAL IEC 320 0.8M	K3921014	-	-	C
57	POWER CABLE UNIVERSAL IEC 320	K3921015	-	-	JP, UK, EU,C
58	POWER CABLE JAPAN HOSP GRADE - IEC320.C19	K10001001	1	-	JP
	POWER CABLE U.S.	K10001002	1	-	US
	CABLE U.K. 13A - IEC320.C19	K10001003	1	-	UK
	POWER CABLE SCHUKO - IEC320.C19	K10001004	1	-	EU
	POWER CABLE FLYING LEADS - IEC320.C19	K10001005	1	-	ROW
59	SPARE				
60	LOCTITE 243	3001857	A//R	-	L, M
61	SPARE				
62	SPARE				
63	L-WRENCH BALL DRIVE 6MM A/F	K3921444	1	-	C, R, S
64	INSTRUCTIONS WM-P1 SERIES JP	K10000545	1	-	JP
	INSTRUCTIONS WM-P1 SERIES	K10003436	1	-	US, UK, EU, ROW
	INSTRUCTIONS WM-P1 SERIES A/S	K10004838	1	-	N, P
	INSTRUCTIONS WM-DP1	K10005955	1	-	US, UK, EU, ROW
65	WARRANTY CARD (JAPANESE)	5041015	1	-	JP
66	NYLON CABLE TIE	3006026	1	-	-
67	JETNUT M6 SINGLE NUT PLATE	3920573	4	-	W
68	CABLE UNIVERSAL IEC 2.5M	K10000449	1	-	WP1 E, G
69	SPARE				
70	SPARE				
71	SPARE				
72	SPARE				
73	SPARE				
74	SPARE				
75	SCREW M8 x 25 HEX SKT BUTT HD	K10003945	NP1, WP1-6. DP1-9	-	-
77	SCREW 4.2 x 12.7 POSI PAN ST	K10004107	4	2.2Nm	-
78	P-CLIP ID 4.8 NYLON BLACK	K10001199	4	-	-
79	VELCRO 20mm ONE WRAP BLACK	K10003972	0.46	-	-
80	SUCTION TUBE CLIPS	K3921393	10	-	JP, C
81	ADAPTOR CABLE IEC-JAPAN/U.S.	K3921594	2	-	JP, C
82	INSTRUCTIONS FOR USE MAJ-150	K5070401	1	-	C
83	GROMMET 22.2MM CABLE HOLE	K10005673	1	-	DP1
84	SPARE				
85	SPARE				
86	SCREW M6 x 10 HEX SKT BUTT HD	K3921284	NP1, WP1-4 DP1-6	-	-
88	LABEL - CAUTION ANTISTATIC	K10004445	NP1, WP1-5 DP1-10	-	N, P

Continued

Item	Description	Part No	Qty	Torque	Remarks
89	ACCESSORY KIT FOR WM-NP1 UK EU ROW	K10004462	1	-	-
	CABLE HANGER - WITH PIN	K10001377	3	-	-
	CABLE UNIVERSAL IEC 320 0.8M	K3921014	5	-	-
	CABLE UNIVERSAL IEC 320	K3921015	1	-	-
	INSTRUCTIONS WM-P1 SERIES ENG	K10003436	1	-	-
	ACCESSORY KIT FOR WM-WP1 UK,EU,ROW	K10004466	1	-	-
	CABLE HANGER - WITH PIN	K10001377	2	-	-
	CABLE UNIVERSAL IEC 320 0.8M	K3921014	3	-	-
	CABLE UNIVERSAL IEC 320	K3921015	5	-	-
	CABLE UNIVERSAL IEC 320 M-FEM 2.5m	K10000449	2	-	-
	INSTRUCTIONS WM-P1 SERIES ENG	K10003436	1	-	-
	ACCESSORY KIT WM-NP1 100V JP	K10004488	1	-	-
	CABLE HANGER - WITH PIN	K10001377	2	-	-
	CABLE UNIVERSAL IEC 320 0.8M	K3921014	3	-	-
	CABLE UNIVERSAL IEC 320	K3921015	4	-	-
	INSTRUCTIONS WM-P1 SERIES JP	K10000545	1	-	-
	SUCTION TUBE CLIPS	K3921393	10	-	-
	ADAPTOR CABLE IEC-JAPAN/U.S.	K3921594	1	-	-
	INSTRUCTIONS FOR USE MAJ-150	K5070401	2	-	-
	ACCESSORY KIT WM-NP1 100V-120V US	K10004489	1	-	-
	CABLE HANGER - WITH PIN	K10001377	2	-	-
	CABLE UNIVERSAL IEC 320 0.8M	K3921014	3	-	-
	CABLE UNIVERSAL IEC 320	K3921015	5	-	-
	ADAPTOR CABLE IEC-JAPAN/U.S.	K3921594	2	-	-
	INSTRUCTIONS WM-P1 SERIES ENG	K10003436	1	-	-
	INSTRUCTIONS FOR USE MAJ-150	K5070401	2	-	-
	ACCESSORY KIT 1332 WM-WP1 100V JP	K10004498	1	-	-
	CABLE HANGER - WITH PIN	K10001377	2	-	-
	CABLE UNIVERSAL IEC 320 0.8M	K3921014	3	-	-
	CABLE UNIVERSAL IEC 320	K3921015	5	-	-
	INSTRUCTIONS WM-P1 SERIES JP	K10000545	1	-	-
	SUCTION TUBE CLIPS	K3921393	10	-	-
	ADAPTOR CABLE IEC-JAPAN/U.S.	K3921594	2	-	-
	INSTRUCTIONS FOR USE MAJ-150	K5070401	1	-	-
	CABLE UNIVERSAL IEC 320 M-FEM 2.5m	K10000449	1	-	-
	ACCESSORY KIT 1333 WM-WP1 110-120V US	K10004499	1	-	-
	CABLE HANGER - WITH PIN	K10001377	2	-	-
	CABLE UNIVERSAL IEC 320 0.8M	K3921014	3	-	-
	CABLE UNIVERSAL IEC 320	K3921015	5	-	-
	INSTRUCTIONS WM-P1 SERIES ENG	K10003436	1	-	-
	ADAPTOR CABLE IEC-JAPAN/U.S.	K3921594	2	-	-
	INSTRUCTIONS FOR USE MAJ-150	K5070401	2	-	-
	CABLE UNIVERSAL IEC 320 M-FEM 2.5m	K10000449	2	-	-

Continued

Item	Description	Part No	Qty	Torque	Remarks
	ACCESSORY KIT FOR WM-N/WP1 (NON-TX)	K10004791	1	-	-
	CABLE HANGER - WITH PIN	K10001377	2	-	-
	INSTRUCTIONS WM-P1 A/S	K10004834	1	-	-
	ACCESSORY KIT FOR WM-NP1 EU-A/S	K10004832	1	-	-
	CABLE HANGER - WITH PIN	K10001377	2	-	-
	CABLE UNIVERSAL IEC 320 0.8M	K3921014	3	-	-
	CABLE UNIVERSAL IEC 320	K3921015	5	-	-
	INSTRUCTIONS WM-P1 A/S	K10004834	1	-	-
	ACCESSORY KIT FOR WM-WP1 EU-A/S	K10004833	1	-	-
	CABLE HANGER - WITH PIN	K10001377	2	-	-
	CABLE UNIVERSAL IEC 320 0.8M	K3921014	3	-	-
	CABLE UNIVERSAL IEC 320	K3921015	5	-	-
	CABLE UNIVERSAL IEC 320 M-FEM 2.5m	K10000449	2	-	-
	INSTRUCTIONS WM-P1 A/S	K10004834	1	-	-
	ACCESSORY KIT FOR WM-DP1 UK EU ROW	K10005985	1	-	-
	BLANKING CAP CABLE PORT WM-260	K7503929	2	-	-
	BLANKING CAP MONITOR WM-260	K7504466	1	-	-
	CABLE HANGER - WITH PIN	K10001377	2	-	-
	CABLE UNIVERSAL IEC 320	K3921015	4	-	-
	CABLE UNIVERSAL IEC 320 M-FEM 2.5m	K10000449	4	-	-
	INSTRUCTIONS WM-DP1 ENG	K10005955	1	-	-
	BLISTER PACK ASSY WM-P1	K10006169	1	-	-
	BLANKING CAP CABLE PORT WM-260	K7503929	2	-	-
	BLANKING CAP MONITOR WM-260	K7504466	2	-	-
	BLANKING CAP SCOPE POLE WM-260	K7504468	2	-	-
	CABLE TIE REL 4.8Wx200L BLACK	K3921530	6	-	-
	L-WRENCH BALL DRIVE 6MM A/F	K3921444	1	-	-
	ACCESSORY KIT WM-DP1 110-120V US	K10005986	1	-	-
	BLANKING CAP CABLE PORT WM-260	K7503929	2	-	-
	BLANKING CAP MONITOR WM-260	K7504466	1	-	-
	CABLE HANGER - WITH PIN	K10001377	2	-	-
	CABLE UNIVERSAL IEC 320	K3921015	4	-	-
	INSTRUCTIONS WM-DP1 ENG	K10005955	1	-	-
	ADAPTOR CABLE IEC-JAPAN/U.S.	K3921594	2	-	-
	INSTRUCTIONS FOR USE MAJ-150	K5070401	1	-	-
	CABLE UNIVERSAL IEC 320 M-FEM 2.5m	K10000449	4	-	-
	BLISTER PACK ASSY WM-P1	K10006169	1	-	-
	BLANKING CAP CABLE PORT WM-260	K7503929	2	-	-
	BLANKING CAP MONITOR WM-260	K7504466	2	-	-
	BLANKING CAP SCOPE POLE WM-260	K7504468	2	-	-
	CABLE TIE REL 4.8Wx200L BLACK	K3921530	6	-	-
	L-WRENCH BALL DRIVE 6MM A/F	K3921444	1	-	-

Continued

Item	Description	Part No	Qty	Torque	Remarks
90	SPARE				
91	NUT M8 DOMED NATURAL NYLON	K10006640	1	-	DP1
92	SPACER 18MM OD x 8.2MM ID x 5MM LG	K10006641	1	-	DP1
93	LIMITER - FRONT (MAJ-181)	K10007121	1	-	DP1, Y
94	LIMITER REAR (MAJ-181)	K10007122	2	-	Y
95	SCREW M8 x 50 SKT CAP HD	3050998	2	-	Y
96	PAINT - WHITE KEYMED SPEC 74	K10006564	400ML	-	-
97	PAINT - LILAC KEYMED SPEC 76	K10006565	400ML	-	-

REMARKS

- A Tighten to 4Nm when used to secure item 15, Support Top Tray. Ref figure 6-1
- B Tighten to 6Nm when used to secure item 25, Water Bottle Bracket. Ref figure 6-3
- C Supplied in ACCESSORY KIT WM-NP1 100V JP K10004488
- D Supplied in ACCESSORY KIT WM-NP1 100V-120V US K10004489
- E Supplied in ACCESSORY KIT 1332 WM-WP1 100V JP K10004498
- F Supplied in ACCESSORY KIT 1333 WM-WP1 110-120V US K10004499
- G Supplied in ACCESSORY KIT FOR WM-WP1 UK,EU,ROW K10004466
- H Supplied in REAR PANEL KIT WM-NP1 K10005044
- J Supplied in REAR PANEL KIT WM-WP1 K10005045
- L Supplied in FREE CASTOR KIT - WM-P1 SERIES (NON A/S) K10004627
- M Supplied in BRAKED CASTOR KIT (NON A/S) K10004626
- N Used on WM-NP1 A/S & WM-WP1 A/S (and all UK after Oct 07)
- P Used on WM-NP1 220-240V EU-A/S & WM-WP1 220-240V EU-A/S (and all UK after Oct 07)
- R Supplied in MAJ-198 WM-NP1 SHELF KIT (NARROW) K10001429
- S Supplied in MAJ-199 WM-WP1 SHELF KIT (WIDE) K10001430
- T Supplied in CASTOR BRAKED KIT WM-P1 SERIES A/S K10005040
- U Supplied in CASTOR FREE KIT WM-P1 SERIES A/S K10005041
- V Supplied in REMOTE SWITCH KIT WM-P1 SERIES K10005049
- W Supplied in UMIBILICAL/CAMERA HEAD HOLDER KIT K10006648
- Y Supplied in LIMITER - MOVEMENT (MAJ-181) K10007108 Contents :-
 - 93/1 LIMITER FRONT (MAJ-181) K10007121
 - 93/2 LIMITER REAR (MAJ-181) K10007122
 - 93/3 SCREW M8 x 50 3050998
 - 93/4 WASHER CRINKLE M8 K3920997
 - 93/5 WASHER M8 3920372
 - 93/6 INSTRUCTIONS LIMITERS FOR MAJ-181 K10008095
- Z Early models of WM-NP1 were fitted with a 'Support Top Tray' (item 15). On later models a redesigned top tray reduced the support required to; 2, PLATES SUPPORT WM-DP1, item 10, p/no K10006102. The early model top tray is no longer available and a current top tray and plates support must be used. The 'Support Top Tray' (item 15) cannot be used and should be discarded.
- AA Oct 2007 - all UK workstations now supplied fitted with antistatic castors.
- BB Refer to Chapter 6.6 for torque tightening figures.
- NS Not Shown

Chapter 8 Accessories Illustrated Parts List

Table of Contents

	Page
8.1 MAJ-155 Universal display arm -LCD	40
8.2 MAJ-179 Keyboard tray sliding	41
8.3 MAJ-180 Keyboard arm - side mounted	43
8.4 MAJ-181 LCD monitor arm	45
8.5 MAJ-183 Scope pole kit	48
8.6 MAJ-185 Universal stowage container	49
8.7 MAJ-187 IV pole kit	50
8.8 MAJ-188 / MAJ-1614 CO ₂ cylinder bracket kit	51
8.9 MAJ-190 Equipment support rail	52
8.10 MAJ-192 Side shelf	53
8.11 MAJ-195 Cable retaining hook	53
8.12 MAJ-193, 194, 1611 & 1612 Lockable drawer	54
8.13 MAJ-196 Rear/front panel kit	56
8.14 MAJ-198 WM-NP1 Shelf kit (Narrow)	
MAJ-199 WM-WP1 Shelf kit (Wide)	57
8.15 MAJ-1600 14" CRT bracket kit	
MAJ-1601 14" CRT bracket kit wide	
MAJ-1602 20" CRT bracket kit wide	58
8.16 MAJ-1609 LCD Arm -adjustable	59
8.17 MAJ-1610 LCD Manoeuvring handle	61
8.18 MAJ-1613 Universal display arm (CRT)	62
8.19 MAJ-1620 14" CRT mount (Narrow)	
MAJ-1621 20" CRT mount (Narrow)	
MAJ-1622 14" CRT mount (Wide)	
MAJ-1623 20" CRT mount	64
8.20 MAJ-1624 Nurses control panel arm	66
8.21 MAJ-1625 EUM30 keyboard	67
8.22 MAJ-1626 EUS arm mount	68
8.23 MAJ-1627 EU-C60\200 shelf kit	69
8.24 MAJ-1628 Nurses control panel arm	71
8.25 MAJ-1630 Video/Scope cable bracket	73
8.26 MAJ-1631 Plug block kit - EU	74
8.27 MAJ-1635 MAJ-1635 EUS Connector holder	75

8 ILLUSTRATED PARTS LIST - ACCESSORIES

8.1 MAJ-155 UNIVERSAL DISPLAY ARM - LCD

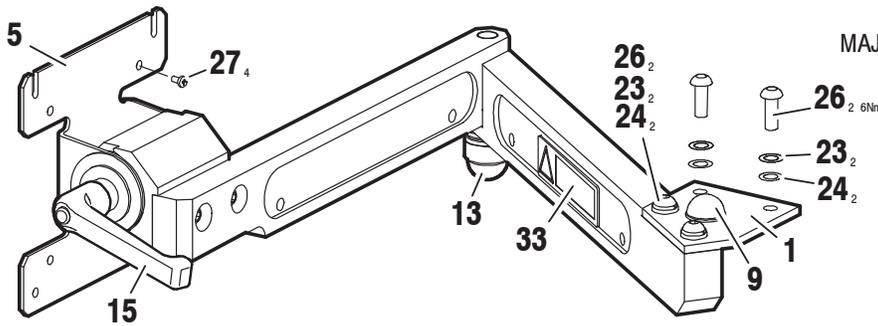


FIGURE 8-1
MAJ-155 UNIVERSAL DISPLAY
ARM - LCD

MAJ-155 UNIVERSAL DISPLAY ARM - LCD p/no K7505210

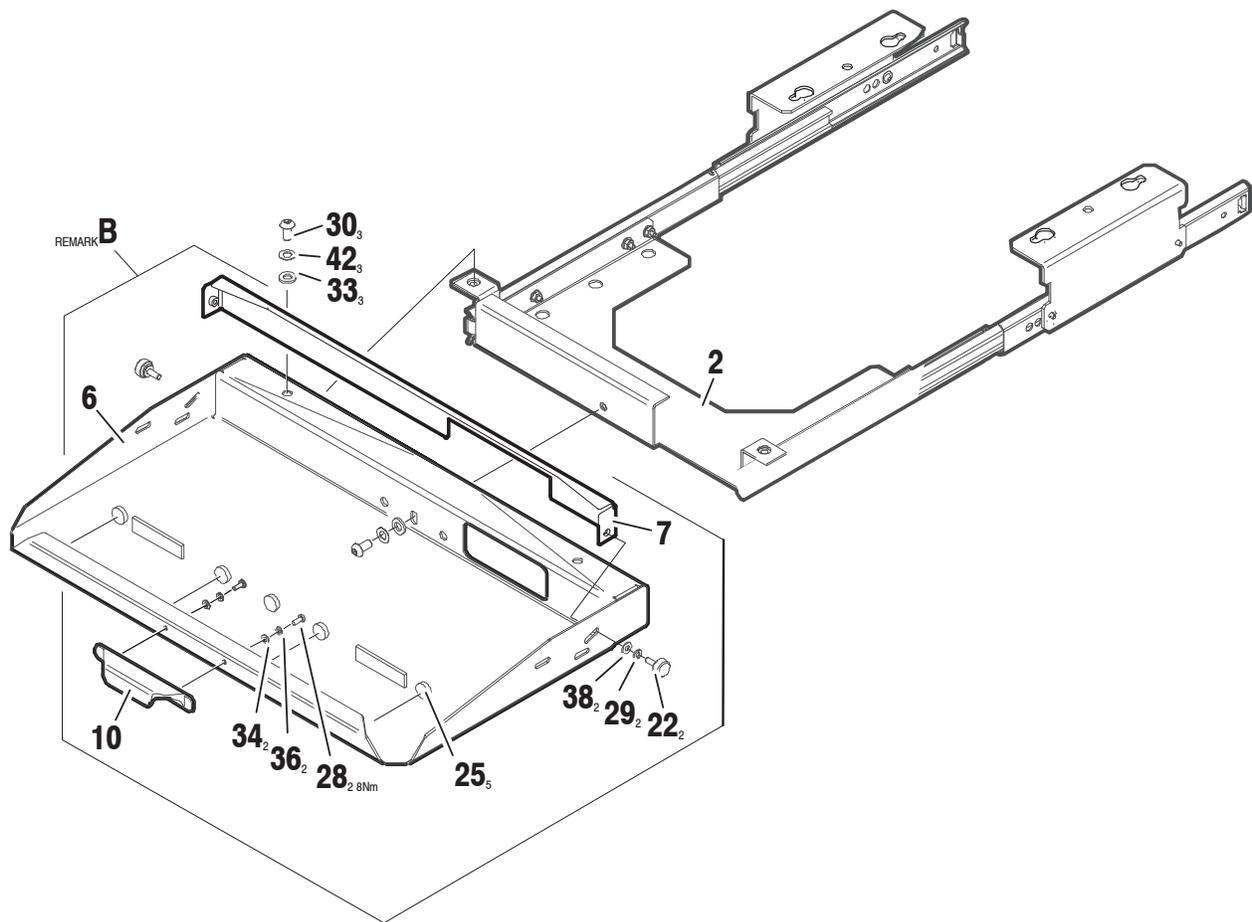
Item	Description	Part No	Qty	Torque	Remarks
1	BRACKET-UNIVERSAL DISPLAY LCD	K7505259	1	-	-
2-4	SPARE				
5	MAJ-132 LCD BRACKET	K7504769	1	-	-
6	SPARE				
7	BOLT COACH M10 x 75L	K3921545	1	-	A, NS
8	SPARE				
9	FOOT	3021521	1	-	-
10, 11	SPARE				
12	NUT NORMAL M10	3038564	1	-	A, NS
13	M10 PROTECTION CAP	K3921359	1	-	-
14	CABLE TIE RELEASABLE	K3921530	4	-	NS
15	HANDLE ADJUSTABLE LEVER FEMALE	K3921195	1	-	A
16-19	SPARE				
20	WASHER PLAIN M10	K3921197	1	-	A, NS
21	WASHER BELVILLE	K3921196	1	-	A, NS
22	WASHER - CORK LCD	K7504371	2	-	A, NS
23	WASHER M6 SINGLE COIL	3072771	6	-	-
24	WASHER M6	3117138	6	-	-
25	SPARE				
26	SCREW M6 x 25 HEX SKT BUTT HD	3920369	6	-	-
27	SCREW M4 x 10 PHILLIPS FLANGE PAN HD	K3921655	4	-	-
28	SPARE				
29	ALLEN KEY 4MM A/F SHORT	3066011	1	-	NS
30	INSTRUCTIONS FOR MAJ-155 (ENG)	K5070429	1	-	NS
31	SPARE				
33	LABEL-CAUTION ARM	K7505319	1	-	-

Remarks

- NS Not shown
- A Used on REPAIR KIT TILT FOR MAJ-132 p/no K7504865

Also printed in WM-SC/TI-3

FIGURE 8-2
MAJ-179 KEYBOARD TRAY SLIDING



MAJ-179 KEYBOARD TRAY SLIDING p/no K10001121

Item	Description	Part No	Qty	Torque	Remarks
1	RUNNER SUPPORT - KEYBOARD	K10001405	2	-	-
2	TRAY - SLIDING KEYBOARD	-	1	-	A
3	IPF KEYBOARD DRAWER RUNNER	K10003486	2	-	-
4 & 5	SPARE				
6	KEYBOARD TRAY - SLIDING	-	1	-	A
7	KEYBOARD CLAMP	K10001122	1	-	-
8 & 9	SPARE				
10	FINGER PULL	K7502154	1	-	-
11	SPARE				
12	SPARE				
13 to 20	SPARE				
21	SPARE				
22	THUMB SCREW M4 x 10L	3059375	2	-	-
23 & 24	SPARE				
25	FOOT SELF ADHESIVE DIA 12.7	3116247	5	-	-
26	SPARE				
27	SPARE				
28	SCREW SELF TAPPING 8 LG PAN HD POZI	K3921297	2	8Nm	-
29	WASHER M4 SINGLE COIL	K10000038	2	-	-
30	SCREW M6 x 12 HEX SKT BUTT HD	3920326	9	-	-
31 & 32	SPARE				
33	WASHER M6	3920333	9	-	-
34	WASHER M3	3071227	2	-	-
35	SPARE				
36	WASHER M3 SINGLE COIL	K10000037	2	-	-
37	SPARE				
38	WASHER M4	3071219	2	-	-
39	SPARE				
40	SPARE				
41	WASHER M6 SINGLE COIL	3072771	6	-	-
42	WASHER M6 CRINKLE	3072622	3	-	-
43	INSTRUCTIONS FOR MAJ-179	K10003489	1	-	NS
44	SPARE				
45	ALLEN KEY 4MM A/F SHORT	3066011	1	-	NS
46	SPARE				
47	SPARE				
48	SPARE				
49	NYLON CABLE TIE 140MM LG COLOUR WHITE	3006042	1	-	-

Remarks

- NS Not shown
- A Repair by replacing whole accessory.
- B Supplied in Replacement Keyboard Tray Kit WM-P1 Series p/no K10004900. Reuse fixings 30, 42 & 33.

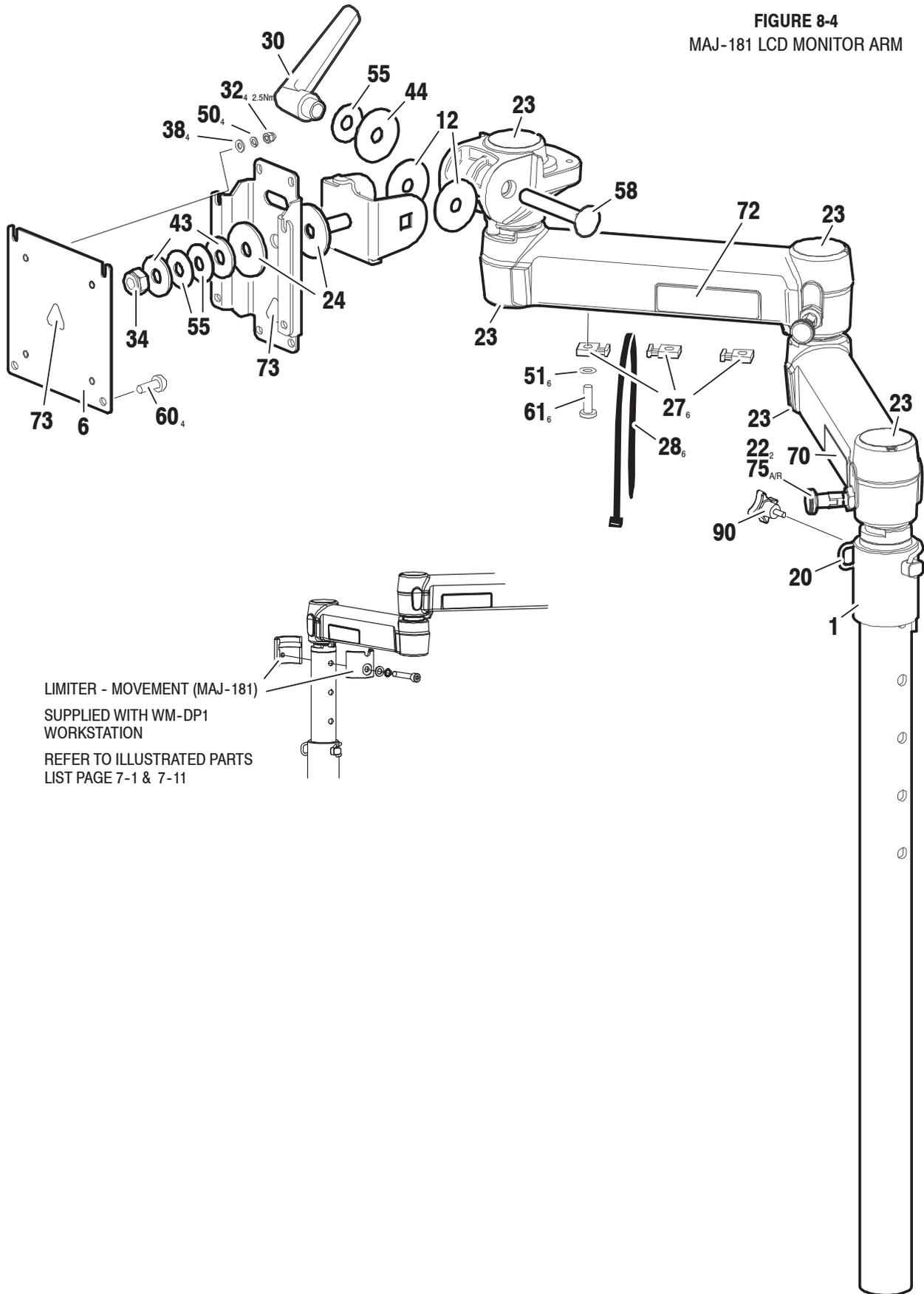
MAJ-180 KEYBOARD ARM - SIDE MOUNTED p/no K10001112

Item	Description	Part No	Qty	Torque	Remarks
1	KEYBOARD ARM ASSY (MAJ-180)	K10004899	1	-	-
2	DROP DOWN MECHANISM (MAJ-180)	K10004898	1	-	-
3	SPARE				
4	SPARE				
5	SPARE				
6	KEYBOARD TRAY	K10022407	1	-	C
7	KEYBOARD CLAMP	K10022413	1	-	C
8	SPARE				
9	KEYBOARD LABEL ARM	K10022378	1	-	B
10	SPARE				
11	SPARE				
12	SCREW M6 x 20 HEX SKT BUTT HD	K10001098	3	-	A
13	ARM STOP LABEL	K10003740	2	-	A
19	SPRING NUT M6	K7503840	3	-	A
20	M10 PROTECTION CAP	K3921359	2	-	A
21	NYLON CABLE TIE 140MM LG	3006042	6	-	A
22	THUMB SCREW M4 x 10L	3059375	2	-	C
23 & 24	SPARE				
25	SPARE				
26 & 27	SPARE				
28	SPARE				
29	SCREW M6 x 16 HEX SKT BUTT HD	3109704	4	6Nm	A, B
30	SCREW M6 x 10 HEX SKT BUTT HD	K10003509	3	6Nm	B, C
31 & 32	SPARE				
33	WASHER M6	3920333	10	-	A, B, C
34	SPARE				
36	SPARE				
37	SPARE				
38	WASHER M4	3071219	2	-	C
39	WASHER M4 SINGLE COIL	K10000038	2	-	C
40	SPARE				
41	WASHER CRINKLE M6	K3921473	10	-	A, B, C
43	INSTRUCTION MAJ-180 KEYBOARD ARM	K10003419	1	-	NS
44	ALLEN KEY 4MM A/F SHORT	3066011	1	-	NS

Remarks

- NS Not shown
- A Used in item 1 - Keyboard Arm Assy (MAJ-180) - K10004899
- B Used on Drop Down Mechanism (MAJ-180) item2. Washer Item 33 qty 7. Washer Item 41 qty 7.
- C Used in Replacement Keyboard Tray Kit K10004900

FIGURE 8-4
MAJ-181 LCD MONITOR ARM



LIMITER - MOVEMENT (MAJ-181)
 SUPPLIED WITH WM-DP1
 WORKSTATION
 REFER TO ILLUSTRATED PARTS
 LIST PAGE 7-1 & 7-11

MAJ-181 LCD MONITOR ARM p/no K10001017

Item	Description	Part No	Qty	Torque	Remarks
1	CLAMP SUPPORT TUBE	K10000091	1	-	-
2 to 5	SPARE				
6	ADAPTOR PLATE VESA MOUNT	K10001013	1	-	-
7 to 11	SPARE				
12	WASHER - CORK LCD	K7504371	2	-	A
13 to 19	SPARE				
20	PIPE PIN	K10005669	1	-	-
21	SPARE				
22	INDEXING PLUNGER	K10001020	2	10 Nm	-
23	HOLE PLUG	K10001021	5	-	-
24	WASHER NYLON	K10001022	2	-	-
25 & 26	SPARE				
27	CABLE TIE MOUNT M6	K10001109	6	-	-
28	CABLE TIE RELEASABLE	K3921530	6	-	-
29	SPARE				
30	HANDLE ADJUSTABLE LEVER	K3921195	1	-	A
31	SPARE				
32	NUT M4	K3920728	4	2,5 Nm	-
33	SPARE				
34	NUT NORMAL M10	3038564	1	15 Nm	A
35	SPARE				
36 & 37	SPARE				
38	WASHER M4	3072461	4	-	-
39 to 42	SPARE				
43	WASHER M10	K3920994	2	-	-
44	WASHER M10	K3921197	1	-	A
45 to 49	SPARE				
50	WASHER M4 SINGLE COIL	K10000038	4	-	-
51	WASHER CRINKLE M6	3072622	6	-	-
52 to 54	SPARE				
55	WASHER BELVILLE	K3921196	3	-	A
56 & 57	SPARE				
58	BOLT COACH M10	K3921545	1	-	A
59	SPARE				
60	SCREW M4 PHILIPS FLANGE PAN HD	K3921581	4	-	-
61	SCREW M6 x 12 TORX TAPTITE STL ZNPL	K10015230	6	-	-
62 to 69	SPARE				
70	LABEL-OLYMPUS	K10003411	2	-	-
71	SPARE				
72	LABEL-CAUTION	K10003413	2	-	-
73	LABEL-WARNING TRIANGLE	K10003463	2	-	-
74	SPARE				

continued overleaf

MAJ-181 LCD MONITOR ARM p/no K10001017...continued

Item	Description	Part No	Qty	Torque	Remarks
75	ADHESIVE LOCTITE 243	3001857	A/R	-	-
76	SPARE				
77	SPANNER 7mm A/F x 80mm	K10007298	1	-	N/S
78 to 80	SPARE				
81	SPARE				
82	INSTRUCTIONS MAJ-181 LCD ARM	K10003454	1	-	N/S
83 to 85	SPARE				
86	SPARE				
87	SPARE				
88	CABLE UNIVERSAL IEC 2.5m	K10000449	1	-	N/S
90	THUMBSCREW BLACK KNOB M4	K10013478	1	-	-

Remarks

- NS Not shown
- A Used on REPAIR KIT TILT FOR MAJ-132 p/no K7504865

8.5 MAJ- 183 SCOPE POLE KIT

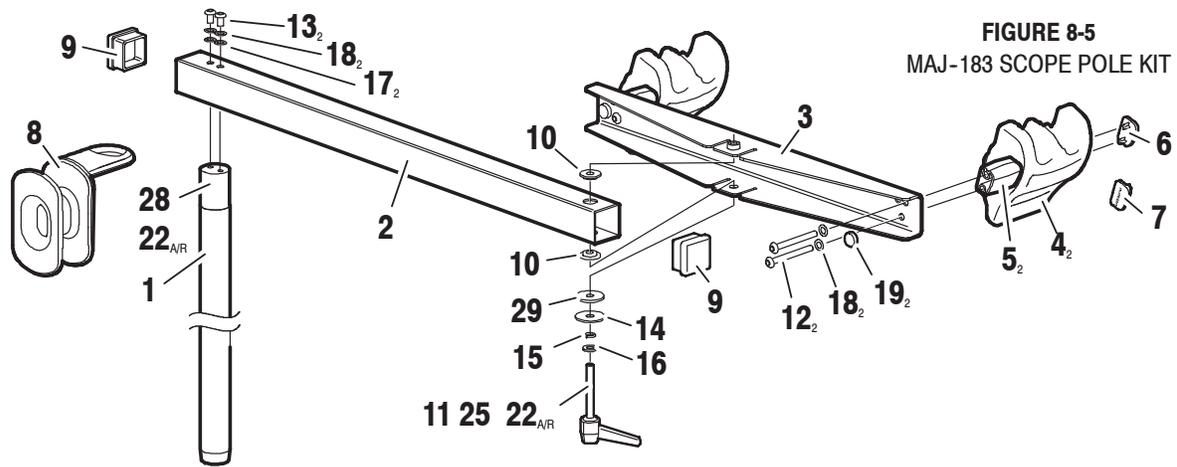


FIGURE 8-5
MAJ-183 SCOPE POLE KIT

MAJ-183 SCOPE POLE KIT p/no K10000124

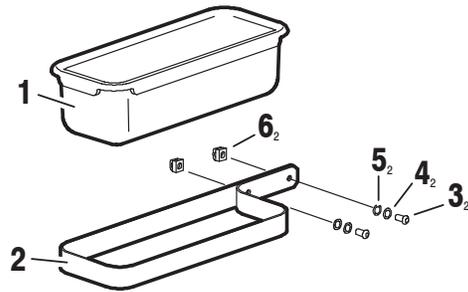
Item	Description	Part No	Qty	Torque	Remarks
1	POLE SCOPE	-	1	-	A
2	ARM SCOPE	-	1	-	A
3	HANGER SCOPE	-	1	-	A
4	SCOPE HOLDER WELDED ASSY WM-260	K7504161	2	-	-
5	SPACER SCOPE POLE WM-260	K7504164	2	-	-
6	LOGO LH SCOPE HOLDER (WM-260)	K7504165	2	-	-
7	LOGO RH SCOPE HOLDER (WM-260)	K7504166	2	-	-
8	CABLE HANGER - WITH HOLE	K10001376	1	-	-
9	PLUG 30mm SQ 1.5-2mm WALL BLACK	K10004147	2	-	-
10	BUSH FLANGED	K10000126	2	-	-
11	HANDLE LEVER	K10000439	1	-	-
12	SCREW M5 x 50 HEX SKT BUTT HD	K3921288	4	-	-
13	SCREW M5 x 8 HEX SKT BUTT HD	3109640	2	-	-
14	WASHER PLAIN M6 x 25 DIA 1.5 THK	3072720	1	-	-
15	WASHER SINGLE COIL M6	3072771	1	-	-
16	WASHER M6 ST STEEL	K3921292	1	-	-
17	WASHER M5	3117162	2	-	-
18	WASHER CRINKLE M5 ST ST	3920499	6	-	-
19	FOOT SELF ADHESIVE DIA 12.7	3116247	2	-	-
20	ALLEN KEY 3MM A/F	3066142	1	-	NS
21	SPARE				
22	ADHESIVE LOCTITE 638	3001067	A/R	-	-
23	MAJ-183 INSTRUCTIONS FOR USE	K10003415	1	-	NS
24	PLUG SCOPE POLE	K10003390	1	-	-
25	WASHER 6.4 x 24 x 2 NATURAL NYLON 6.6	K10004146	1	-	-

Remarks

- NS Not shown
- A Repair by replacing whole accessory.

8.6 MAJ- 185 UNIVERSAL STOWAGE CONTAINER

FIGURE 8-6
MAJ-185 UNIVERSAL STOWAGE CONTAINER



MAJ-185 UNIVERSAL STOWAGE CONTAINER p/no K1000111

Item	Description	Part No	Qty	Torque	Remarks
1	UNIVERSAL STOWAGE CONTAINER	K10000116	1	-	-
2	BRACKET-STOWAGE CONTAINER	K10000117	1	-	-
3	SCREW M6 x 16 HEX SKT BUTT HD	3109704	2	-	-
4	WASHER CRINKLE M6	K3921473	2	-	-
5	WASHER M6 ST STEEL	K3921292	2	-	-
6	SPRING NUT M6	K7503840	2	-	-
7	ALLEN KEY 4MM A/F SHORT	3066011	1	-	NS
8	SPARE				
9	SPARE				
10	MAJ-185 INSTRUCTIONS FOR USE	K10002789	1	-	NS
11	SPARE				

REMARKS

NS Not Shown

8.7 MAJ- 187 IF POLE KIT

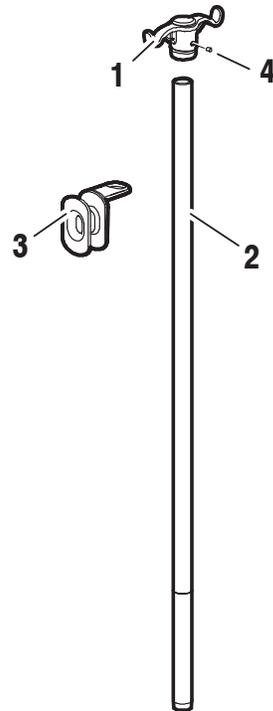


FIGURE 8-7
MAJ-187 IV POLE KIT

MAJ-187 IV POLE KIT p/no K10001110

Item	Description	Part No	Qty	Torque	Remarks
1	IV HANGER (PAINTED)	-	1	-	A
2	POLE SCOPE	-	1	-	A
3	CABLE HANGER - WITH HOLE	-	1	-	A
4	GRUBSCREW M6 x 6 KNURLED CUP PT	K10001060	1	-	-
5	ALLEN KEY 3MM A/F	3066142	1	-	NS
6	SPARE				
7	SPARE				
8	MAJ-187 INSTRUCTIONS FOR USE	K10002785	1	-	NS

REMARKS

- NS Not Shown
A Repair by replacing whole accessory.

8.8 MAJ- 188 / MAJ- 1614 CO₂ CYLINDER BRACKET KIT

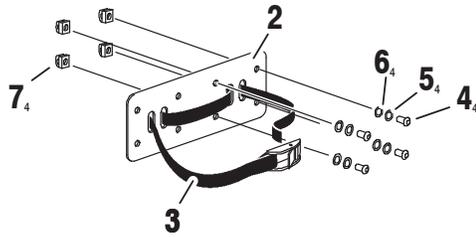
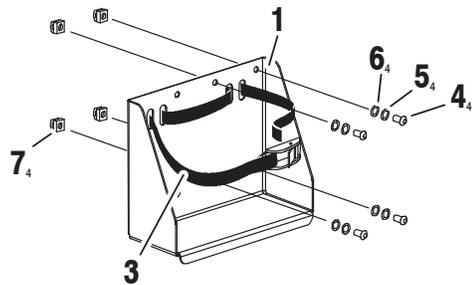
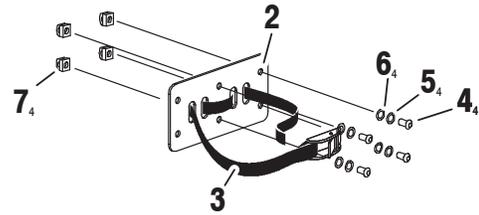
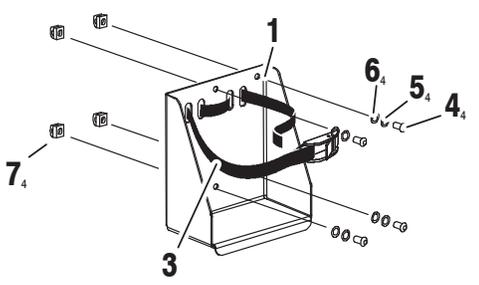


FIGURE 8-8
MAJ-188 / 1614 CO₂ CYLINDER BRACKET



MAJ- 188



MAJ- 1614

MAJ-188 CO₂ HOLDER 205mm DIA p/no K10001113

MAJ-1614 CO₂ HOLDER 140mm DIA MAX p/no K10003499

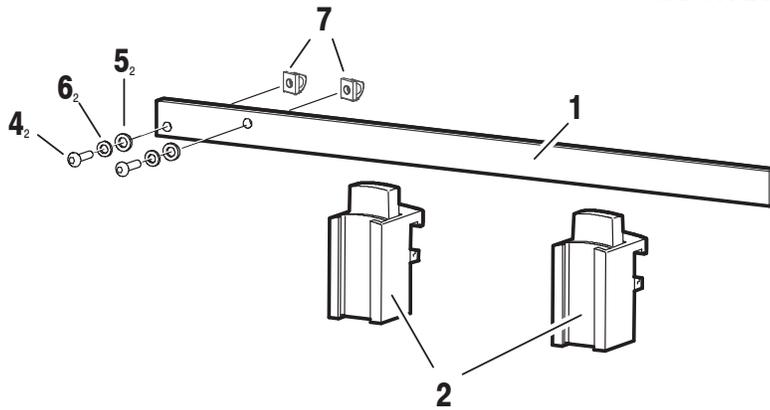
Item	Description	Part No	Qty	Torque	Remarks
1	CRADLE CO ₂ BOTTLE 205mm DIA	-	1	-	C
	CRADLE CO ₂ BOTTLE 89-140mm DIA	-	1	-	C
2	STRAP PLATE CO ₂ BOTTLE 205mm DIA	-	1	-	C
	STRAP PLATE CO ₂ BOTTLE 89-140mm DIA	-	1	-	C
3	CAMBUCKLE STRAP 0,75m LONG BLACK	K10003981	2	-	A,B
4	SCREW M6 HEX SKT BUTT HD	3920327	8	-	A,B
5	WASHER CRINKLE M6	K3921473	8	-	A,B
6	WASHER ST STEEL M6	K3921292	8	-	A,B
7	SPRING NUT M6	K7503840	8	-	A,B
8	ALLEN KEY 4MM A/F SHORT	3066011	1	-	A,B, NS
9	MAJ-188/1614 INSTRUCTIONS FOR USE	K10003501	1	-	A,B NS

REMARKS

- A K10001113 -MAJ-188 CO₂ HOLDER 205mm DIA MAX
- B K10003499 - MAJ-1614 CO₂ HOLDER 140mm DIA MAX
- C Repair by replacing whole accessory.
- NS Not Shown

8.9 MAJ-190 EQUIPMENT SUPPORT RAIL

FIGURE 8-9
MAJ-190 EQUIPMENT SUPPORT RAIL



MAJ-190 EQUIPMENT SUPPORT RAIL p/no K10001115

Item	Description	Part No	Qty	Torque	Remarks
1	ACCESSORY BAR	-	1	-	A
2	EQUIPMENT RAIL CLAMP	K10002819	2	-	-
3	SPARE				
4	SCREW M6 x 20 HEX SKT BUTT HD	K10001098	2	-	-
5	WASHER M6	3920333	2	-	-
6	WASHER CRINKLE M6	3072622	2	-	-
7	SPRING NUT M6	K7503840	2	-	-
8	ALLEN KEY 4MM A/F SHORT	3066011	1	-	NS
9	SPARE				
10	SPARE				
11	MAJ-190 INSTRUCTIONS FOR USE	K10002820	1	-	NS
12	SPARE				

REMARKS

- NS Not Shown
- A Repair by replacing whole accessory.

8.10 MAJ-192 SIDE SHELF

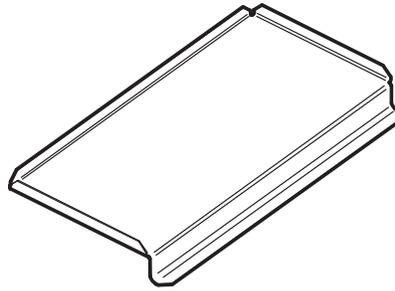


FIGURE 8-10
MAJ-192 SIDE SHELF

MAJ-192 SIDE SHELF p/no K10001117

Item	Description	Part No	Qty	Torque	Remarks
1	SIDE SHELF SCREEN PRINTED	K10001117	1	-	-
2	INSTRUCTIONS FOR USE MAJ-192	K10003583	1	-	NS

REMARKS

NS Not Shown

8.11 MAJ-195 CABLE RETAINING HOOK

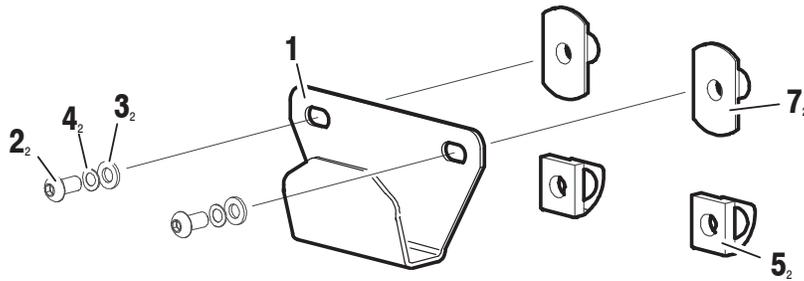


FIGURE 8-11
MAJ-195 CABLE RETAINING HOOK

MAJ-195 CABLE RETAINING HOOK p/no K10001120

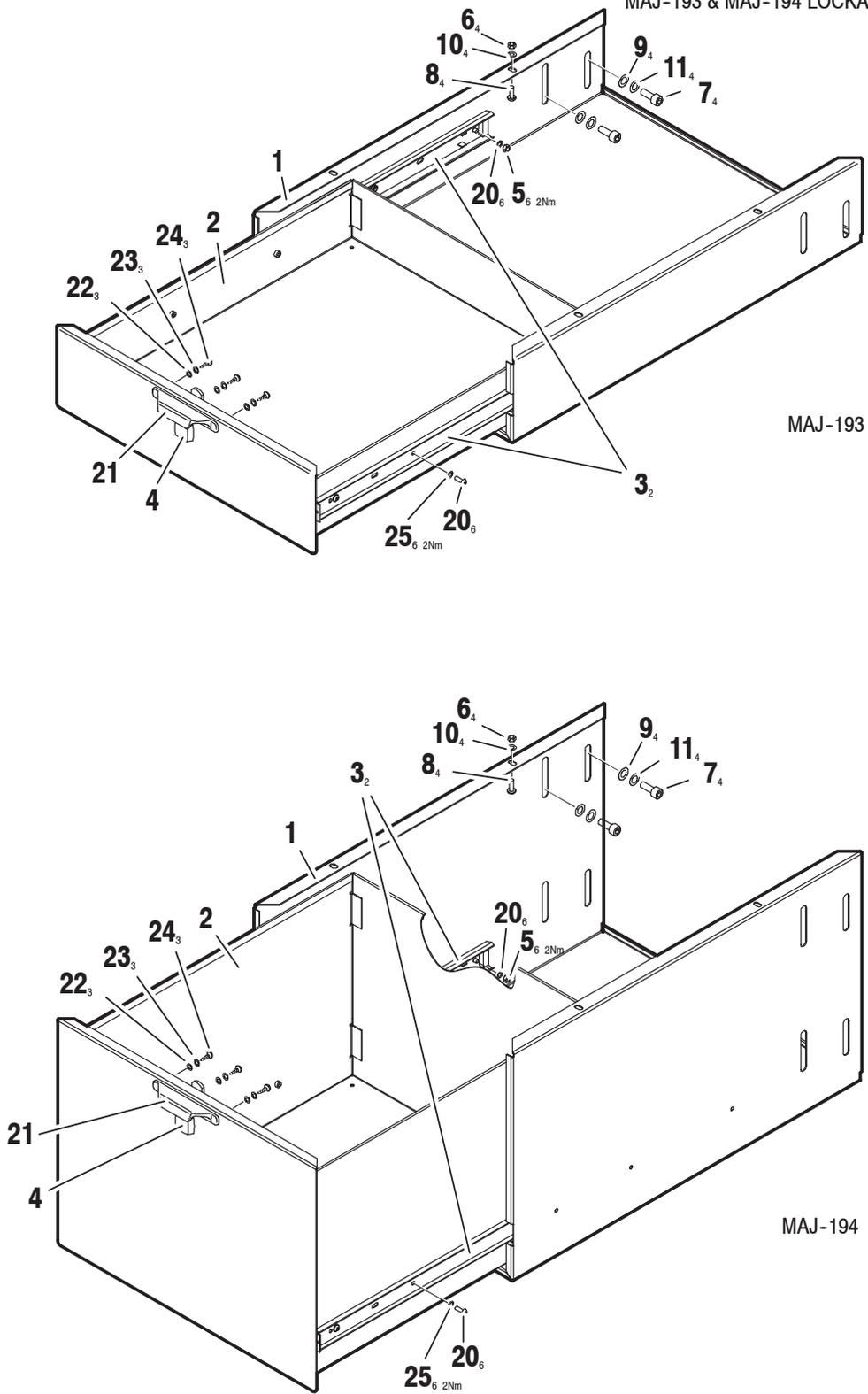
Item	Description	Part No	Qty	Torque	Remarks
1	CABLE HANGER BRACKET	K10001120	1	-	A
2	SCREW M6 x 12 HEX SKT BUTT HD	3920326	2	-	-
3	WASHER M6	3920333	2	-	-
4	WASHER CRINKLE M6	3072622	2	-	-
5	SPRING NUT M6	K7503840	2	-	-
6	ALLEN KEY 4MM A/F SHORT	3066011	1	-	NS
7	JETNUT M6 SINGLE NUT PLATE	3920573	2	-	-
8	MAJ-195 INSTRUCTIONS FOR USE	K10002790	1	-	NS

REMARKS

A Repair by replacing whole accessory.
NS Not Shown

FIGURE 8-12

MAJ-193 & MAJ-194 LOCKABLE DRAWER



MAJ-193 LOCKABLE DRAWER (STANDARD) p/no K10001118

MAJ-194 LOCKABLE DRAWER (DEEP) p/no K10001119

MAJ-1611 LOCKABLE DRAWER (WIDE) p/no K10001383

MAJ-1612 LOCKABLE DRAWER WIDE DEEP p/no K10001384

Item	Description	Part No	Qty	Torque	Remarks
1	DRAWER OUTER	-	1	-	E
2	DRAWER SHALLOW-WELDED	-	1	-	E
3	SLIDE TELESCOPIC	K3920693	2	-	A, B, C, D
4	CAMLOCK 1335032A 2 KEY TO PASS	K3921294	1	-	A, B, C, D
5	NUT M4	3038114	6	-	A, B, C, D
6	NUT M5	3038410	4	-	A, B, C, D
7	SCREW M8x16 HEX SKT CAP HD	K3921515	4	-	A, B, C, D
8	SCREW M5x12 BUTT HD SKT ST.ST	3108601	4	-	A, B, C, D
9	WASHER 24 ODx8.4 ID x 2MM THK	K3921536	4	-	A, B, C, D
10	WASHER M5	3071286	4	-	A, B, C, D
11	WASHER CRINKLE M8	K3920997	4	-	A, B, C, D
12	8-10MM OPEN ENDED SPANNER	K3921063	1	-	A, B, C, D, NS
13	L-WRENCH BALL DRIVE 6MM A/F	K3921444	1	-	A, B, C, D, NS
14	ALLEN KEY 3MM A/F	3066142	1	-	A, B, C, D, NS
15	INSTRUCTIONS MAJ193-194 & 1611-1612	K10003550	1	-	A, B, C, D, NS
16	SPARE				
17	SPARE				
18	LABEL INSERT	K5070306	1	-	A, B, C, D, NS
19	INSTRUCTION MAJ193,194,1611,1612 JP	K10003589	1	-	A, B, C, D, NS
20	WASHER CRINKLE M4	3920332	12	-	A, B, C, D
21	FINGER PULL	K7502154	1	-	A, B, C, D
22	WASHER M3	3071227	3	-	A, B, C, D
23	WASHER M3 SINGLE COIL	K10000037	3	-	A, B, C, D
24	SCREW SELF TAPPING DIA 3x8LG PAN HD POZI	K3921297	3	-	A, B, C, D
25	SCREW M4x6 12.9 HEX SKT BUT HD	3109135	6	-	A, B, C, D

REMARKS

- A Used on MAJ-193 LOCKABLE DRAWER (STANDARD) p/no K10001118
- B Used on MAJ-194 LOCKABLE DRAWER (DEEP) p/no K10001119
- C Used on MAJ-1611 LOCKABLE DRAWER (WIDE) p/no K10001383
- D Used on MAJ-1612 LOCKABLE DRAWER WIDE DEEP p/no K10001384
- E Repair by replacing whole accessory
- NS Not Shown

8.13 MAJ- 196 REAR/FRONT PANEL KIT

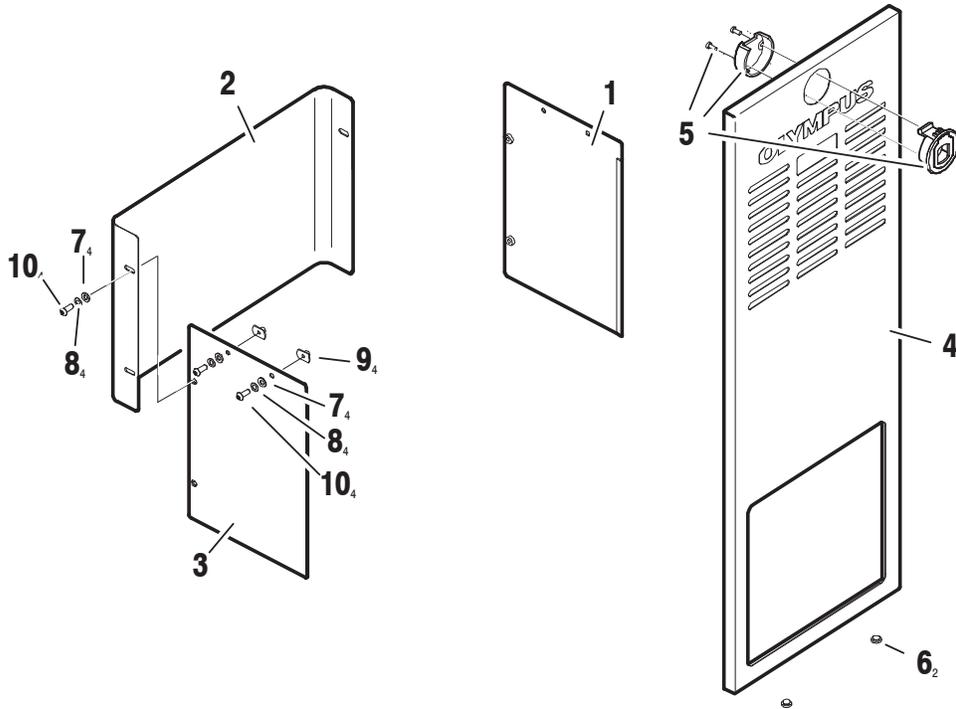


FIGURE 8-13
MAJ-196
REAR/FRONT
PANEL KIT

MAJ-196 REAR/FRONT PANEL KIT p/no K10001428

MAJ-1629 RR/FT PANEL KIT-WIDE p/no K10004395

Item	Description	Part No	Qty	Torque	Remarks
1	FRONT COVER LH	K10003464	1	-	A, B
2	FRONT COVER CENTRE	K10003465	1	-	A
	FRONT COVER CENTRE WIDE	K10004398	1	-	B, NS
3	FRONT COVER RH	K10003466	1	-	A, B
4	REAR DOOR	K10003548	1	-	A,C
	REAR DOOR WIDE	K10004399	1	-	B, D,NS
5	LATCH SPARE FOR WM-*P1 RANGE	K10016172	1	-	A, B, C, D
6	FOOT PUSH-IN	K10003425	2	-	A, B, C, D
7	WASHER M6	3920333	8	-	A, B
8	WASHER CRINKLE M6	K3921473	8	-	A, B
9	JETNUT M6 SINGLE NUT PLATE	3920573	4	-	A, B
10	SCREW M6 x 16 HEX SKT BUTT HD	3920327	8	-	A, B
11	ALLEN KEY 4MM A/F SHORT	3066011	1	-	A, B, NS
12	SPARE				
13	INSTRUCTIONS MAJ-196 / MAJ-1629	K10003554	1	-	A, B, NS

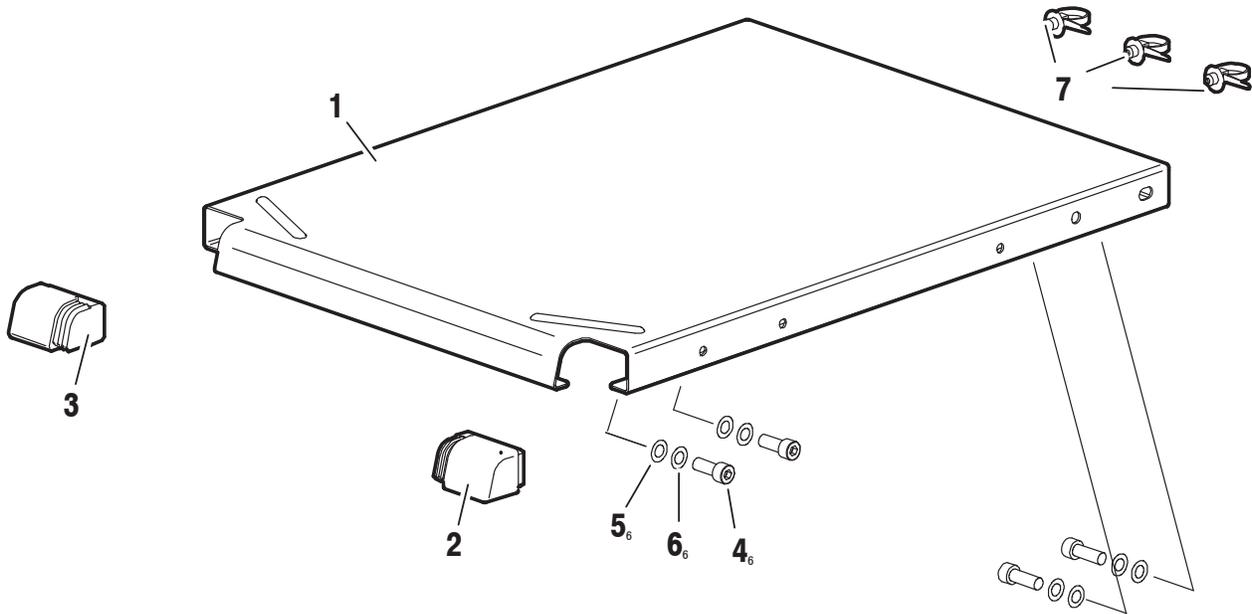
REMARKS

- A Used on MAJ-196 REAR/FRONT PANEL KIT p/no K10001428
- B Used on MAJ-1629 RR/FT PANEL KIT-WIDE p/no K10004395
- C Used on REAR PANEL KIT WM-NP1 p/no K10005044
- D Used on REAR PANEL KIT WM-WP1 p/no K10005045
- NS Not Shown

8.14 MAJ-198 WM-NP1 SHELF KIT (Narrow)

MAJ-199 WM-WP1 SHELF KIT (Wide)

FIGURE 8-14
MAJ-198 WM-NP1 SHELF KIT (NARROW)



MAJ-198 WM-NP1 SHELF KIT (Narrow) p/no K10001429

MAJ-199 WM-WP1 SHELF KIT (Wide) p/no K10001430

Item	Description	Part No	Qty	Torque	Remarks
1	SHELF WM-NP1 SERIES	-	1	-	A, C
	SHELF WM-WP1 SERIES	-	1	-	B, C, NS
2	CORNER BUFFER - SHELF R/H	K10001123	1	-	A, B
3	CORNER BUFFER - SHELF L/H	K10001124	1	-	A, B
4	SCREW M8 x 16 HEX SKT CAP HD	K3921515	4	-	A, B
5	WASHER 24 OD x 8.4 ID x 2MM THK	K3921536	4	-	A, B
6	WASHER CRINKLE M8	K3920997	4	-	A, B
7	CABLE CLIP RELEASABLE NYLON	3920309	4	-	A, B
8	L-WRENCH BALL DRIVE 6MM A/F	K3921444	1	-	A, B, NS
9	MAJ-198/199 INSTRUCTION FOR USE	K10003524	1	-	A, B, NS

REMARKS

- A Used on MAJ-198 WM-NP1 SHELF KIT (Narrow) p/no K10001429
- B Used on MAJ-199 WM-WP1 SHELF KIT (Wide) p/no K10001430
- C Repair by replacing whole accessory
- NS Not Shown

8.15 MAJ-1600 14" CRT BRACKET KIT

MAJ-1601 14" CRT BRACKET KIT WIDE

MAJ-1602 20" CRT BRACKET KIT WIDE

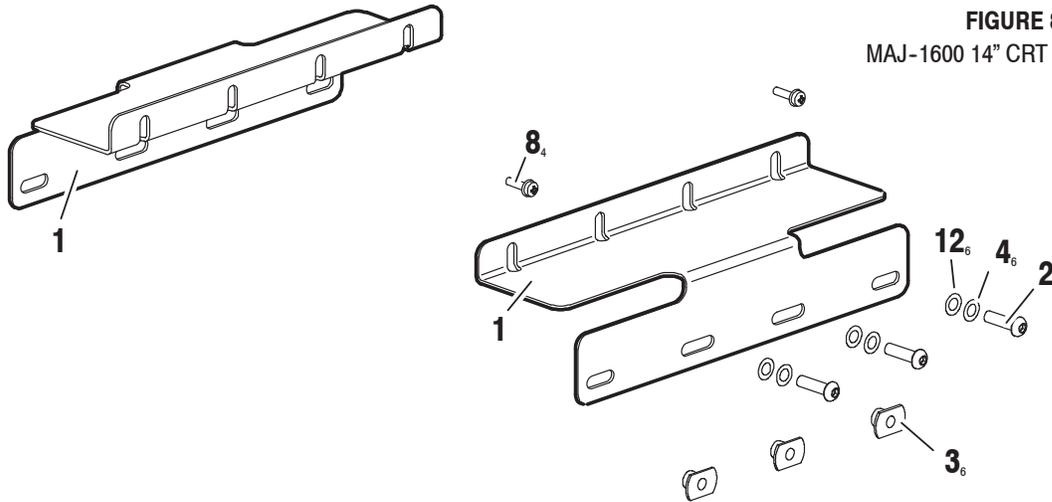


FIGURE 8-15
MAJ-1600 14" CRT BRACKET KIT

MAJ-1600 14" CRT BRACKET KIT p/no K10003525

MAJ-1601 14" CRT BRACKET KIT WIDE p/no K10003526

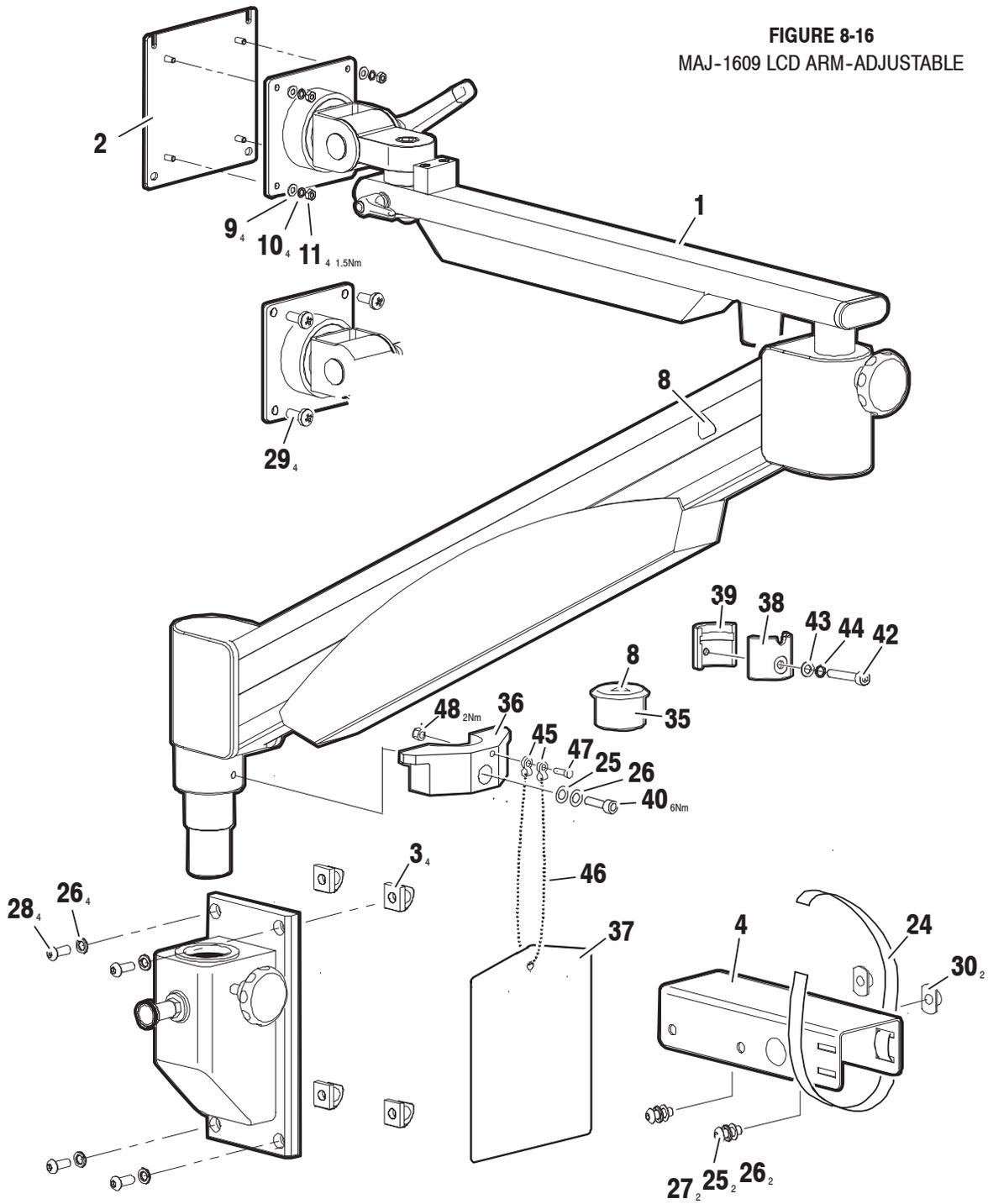
MAJ-1602 20" CRT BRACKET KIT WIDE p/no K10003527

Item	Description	Part No	Qty	Torque	Remarks
1	14 INCH FIXED MONITOR BRKT	K10003525	2	-	A, F
	14 INCH FIXED MONITOR BRKT - WIDE	K10003526	2	-	B, F, NS
	20 INCH FIXED MONITOR BRKT - WIDE	K10003527	2	-	C, F, NS
2	SCREW M6 x 25 HEX SKT BUTT HD	K10004105	6	-	-
3	JETNUT M6 SINGLE NUT PLATE	3920573	6	-	-
4	WASHER SINGLE COIL M6	3072771	6	-	-
5	ALLEN KEY 4MM A/F SHORT	3066011	1	-	NS
6	INSTRUCTIONS MAJ 1600 1601 1602	K10003532	1	-	NS
7	SPARE				
8	SCREW M4 x 16 POZI PAN HD (INCL S.COIL+PL WASHER)	K3921595	4	-	D
	SCREW M5 x 12 PAN HD POZI	3094006	4	-	E
9	SPARE				
10	SPARE				
11	SPARE				
12	WASHER M6	3117138	6	-	-

REMARKS

- A Used on MAJ-1600 14" CRT BRACKET KIT p/no K10003525
- B Used on MAJ-1601 14" CRT BRACKET KIT WIDE p/no K10003526
- C Used on MAJ-1602 20" CRT BRACKET KIT WIDE p/no K10003527
- D Used on 14" Monitor
- E Used on 20" Monitor
- F Repair by replacing whole accessory
- NS Not Shown

FIGURE 8-16
MAJ-1609 LCD ARM-ADJUSTABLE



MAJ-1609 LCD ARM - ADJUSTABLE p/no K10004880

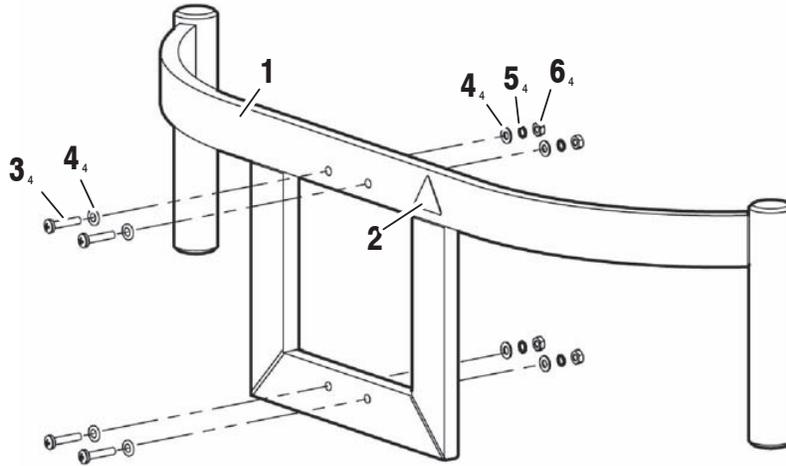
Item	Description	Part No	Qty	Torque	Remarks
1	LCD ARM	-	1	-	A
2	ADAPTOR PLATE VESA MOUNT	K10001013	1	-	-
3	SPRING NUT M6	K7503840	4	-	-
4	BRACKET-STRAP MAJ-1609	K10005774	1	-	-
8	LABEL-WARNING TRIANGLE 12mm HIGH	K10003463	5	-	-
9	WASHER M4	3072461	4	-	-
10	WASHER M4 SINGLE COIL	K10000038	4	-	-
11	NUT M4	K3920728	4	1.5Nm	-
12	CABLE UNIVERSAL IEC 320 M-FEM 2.5m	K10000449	1	-	NS
13	CABLE UNIVERSAL IEC 320 0.8M	K3921014	1	-	NS
14-17	SPARE				
21	CABLE TIE 100LG x 2.5	K3921643	1	-	NS
22	INSTRUCTIONS MAJ-1609	K10005659	1	-	NS
23	CABLE TIE REL 4.8W x 200L BLACK	K3921530	3	-	NS
24	VELCRO 16MM WHITE	3920451	0.65	-	-
25	WASHER M6 ST STEEL	K3921292	5	-	-
26	WASHER M6 SINGLE COIL	3072771	7	-	-
27	SCREW M6 x 25 HEX SKT BUTT	3920369	2	-	-
28	SCREW M6 x 16 HEX SKT BUTT HD	3920327	4	-	-
29	SCREW M4 x 10 PHILLIPS FLANGE PAN HD	K3921655	4	-	-
30	JETNUT M6 SINGLE NUT PLATE	3920573	2	-	-
31	SELF ADHESIVE DISC BLACK DYCEM	3920417	2	-	-
32	ALLEN KEY 4MM A/F SHORT	3066011	1	-	NS
33	ALLEN KEY 8MM A/F	K3921065	1	-	NS
34	SPANNER 7mm A/F x 80mm	K10007298	1	-	NS
35	PLUG - MONITOR PORT	K10007109	1	-	-
36	SADDLE STOP	K10007110	1	-	-
37	LABEL SET (MAJ-1609)	K10007118	1	-	-
38	LIMITER FRONT (MAJ-181)	K10007121	1	-	-
39	LIMITER REAR (MAJ-181)	K10007122	1	-	-
40	SCREW M6 x 20 SKT CAP HD ST STL	3056601	1	6Nm	-
41	L-WRENCH BALL DRIVE 6MM A/F	K3921444	1	-	-
42	SCREW M8 x 50 SKT CAP HD STL NI PL	3050998	1	-	-
43	WASHER M8	3072274	1	-	-
44	WASHER CRINKLE M8	K3920997	1	-	-
45	BALL CHAIN CONNECTOR No 8	K3921579	1	-	-
46	CHAIN BALL	3090019	200mm	-	-
47	SCREW M4 x 16 BUTT HD SKT	3109160	1	-	-
48	NUT M4	3038360	1	2Nm	-

REMARKS

- A Repair by replacing whole accessory
- NS Not shown

8.17 MAJ-1610 LCD MANOEUVRING HANDLE

FIGURE 8-17
MAJ-1610
LCD MANOEUVRING HANDLE



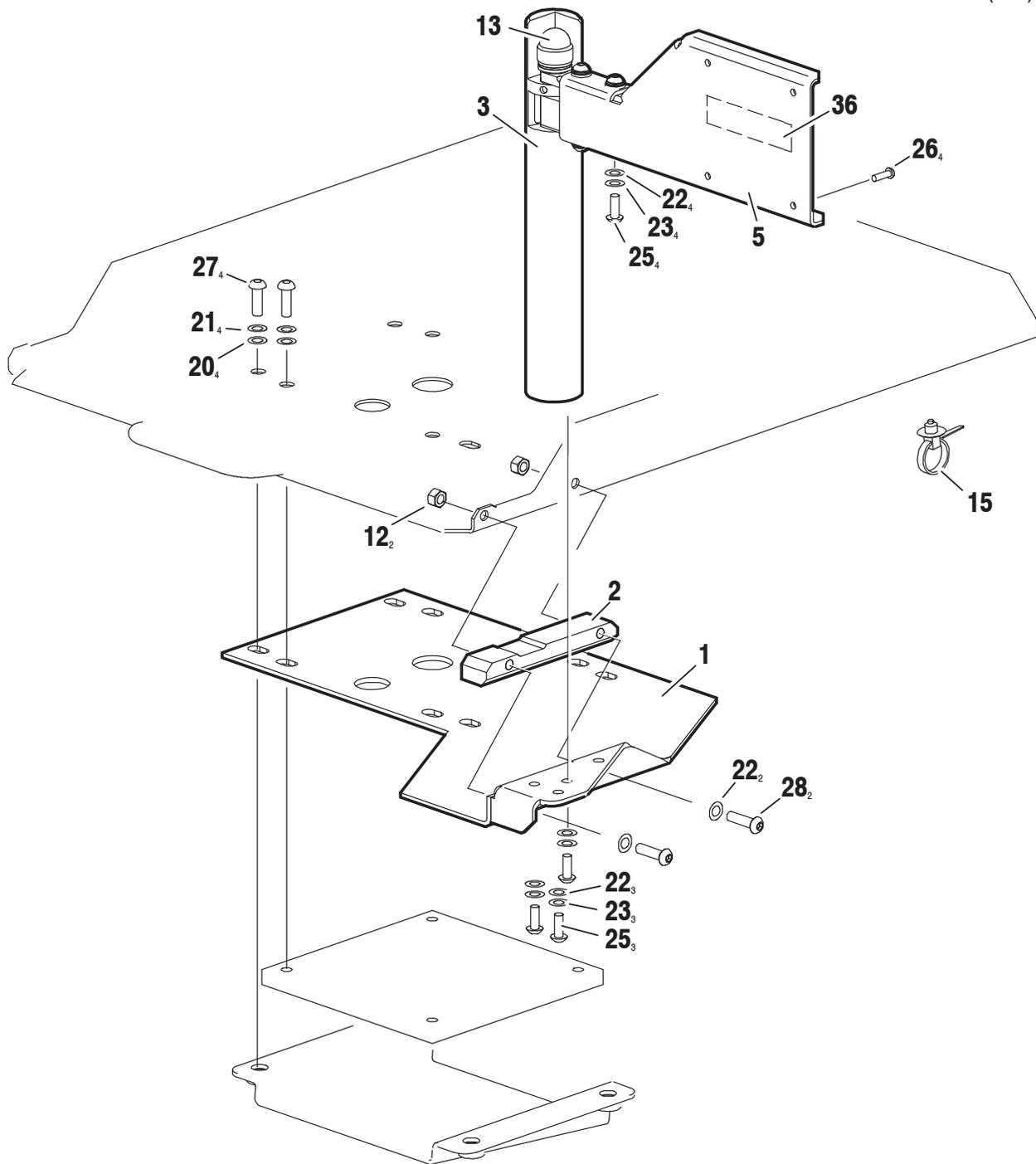
MAJ-1610 LCD MANOEUVRING HANDLE p/no K10003688

Item	Description	Part No	Qty	Torque	Remarks
1	LCD MANOEUVRING HANDLE-WELDED	K10003665	1	-	-
2	LABEL-WARNING TRIANGLE 12mm HIGH	K10003463	1	-	-
3	SCREW M4x20 PAN HD ST NI PL POZI	3093115	4	-	-
4	WASHER M4	3071219	8	-	-
5	WASHER M4 SINGLE COIL	K10000038	4	-	-
6	NUT M4	3038653	4	-	-
7	SPANNER 7MM A/F COMBINATION	K3921432	1	-	NS
8	SPARE				
9	SPARE				
10	SPARE				
11	INSTRUCTIONS MAJ-1610	K10003703	1	-	NS

REMARKS

NS Not shown

FIGURE 8-18
MAJ-1613 UNIVERSAL DISPLAY ARM (CRT)



MAJ-1613 UNIVERSAL DISP ARM CRT IPF p/no K10001444

Item	Description	Part No	Qty	Torque	Remarks
1	PLATE-UNIVERSAL DISPLAY	K10000711	1	-	-
2	SPACER-UNIVERSAL DISPLAY CRT	K7505286	1	-	-
3	UPRIGHT LCD MOUNT	K7505270	1	-	-
4	SPARE				
5	ARM-UNIVERSAL DISPLAY CRT	K7505272	1	-	-
6	SPARE				
7	SPARE				
8	SPARE				
9	SPARE				
10	SPARE				
11	SPARE				
12	NUT M6	3038230	2	-	-
13	M10 PROTECTION CAP (BLACK)	K3921359	1	-	-
14	CABLE TIE REL 4.8W x 200L BLACK	K3921530	4	-	NS
15	CABLE TIE REL + BASE FIR TREE	3006719	1	-	-
16	SPARE				
17	SPARE				
18	SPARE				
19	SPARE				
20	WASHER M8	3072274	4	-	-
21	WASHER CRINKLE M8	K3920997	4	-	-
22	WASHER M6	3117138	9	-	-
23	WASHER M6 SINGLE COIL	3072771	7	-	-
24	SPARE				
25	SCREW M6 x 16 HEX SKT BUTT HD	3920327	7	-	-
26	SCREW M4 x 10 PHILLIPS FLANGE PAN HD	K3921655	4	-	-
27	SCREW M8 x 16 HEX SKT BUTT HD	K3921555	4	-	-
28	SCREW M6 x 40 HEX BUTT HD	3109119	2	-	-
29	SPARE				
30	8-10MM OPEN ENDED SPANNER	K3921063	1	-	NS
31	ALLEN KEY 4MM A/F SHORT	3066011	1	-	NS
32	ALLEN KEY 5MM A/F	3066029	1	-	NS
33	INSTRUCTIONS FOR MAJ-1613 ENGLISH	K10003543	1	-	NS
34	INSTRUCTIONS FOR MAJ-1613 JAPANESE	K10003544	1	-	NS
35	SPARE				
36	LABEL-CAUTION ARM	K7505319	1	-	-

REMARKS

NS Not Shown

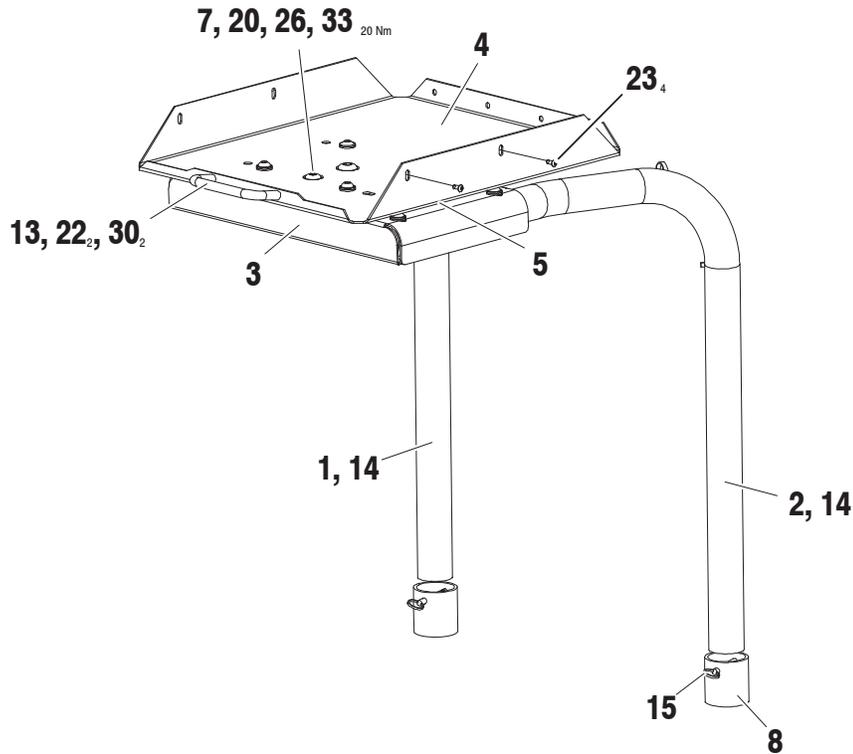
8.19 MAJ-1620 14" CRT MOUNT (NARROW)

MAJ-1621 20" CRT MOUNT (NARROW)

MAJ-1622 14" CRT MOUNT (WIDE)

MAJ-1623 20" CRT MOUNT

FIGURE 8-19
CRT MOUNT



MAJ-1620 14" CRT MOUNT (NARROW) p/no K10004201

MAJ-1621 20" CRT MOUNT (NARROW) p/no K10004202

MAJ-1622 14" CRT MOUNT (WIDE) p/no K10004203

MAJ-1623 20" CRT MOUNT p/no K10004204

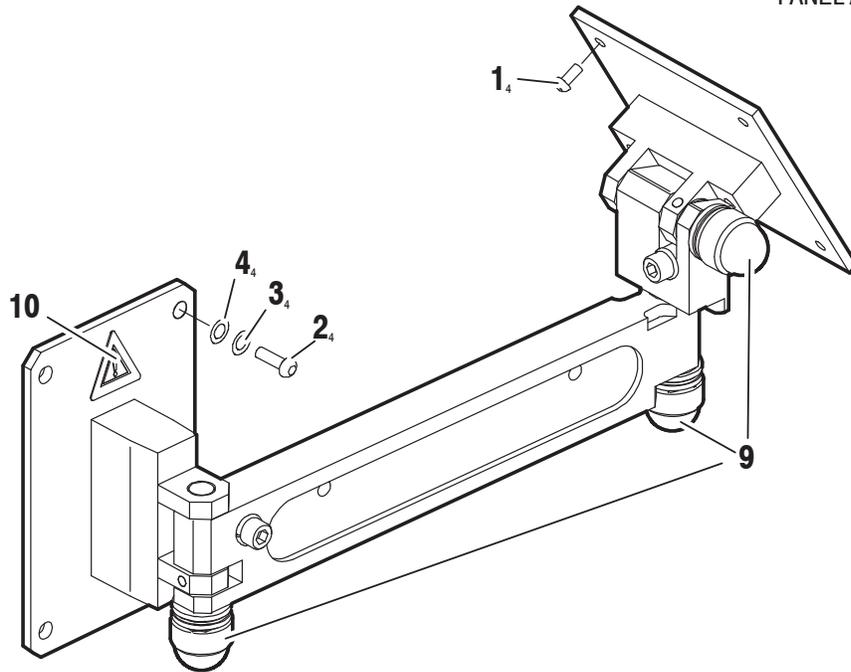
Item	Description	Part No	Qty	Torque	Remarks
1	MONITOR ARM RH WM-NP1/WM-WP1	K10004214	1	-	-
2	MONITOR ARM LH WM-NP1/WM-WP1	K10004215	1	-	-
3	BRIDGE WM-260	K7504046	1	-	A, B
	MONITOR BRIDGE WM-W260	K7504047	1	-	C, D
4	14 INCH MONITOR TRAY	K7504030	1	-	A
	20 INCH MONITOR TRAY	K10004216	1	-	B, D
5	THRUST WASHER	K7504039	1	-	-
6	ADAPTOR PLATE	K7504040	1	-	-
7	COLLAR	K7504038	1	-	-
8	COLLAR MONITOR ARM WM-NP1/WM-WP1	K10004213	2	-	-
9	ANGLED ADAPTOR PLATE	K7504041	1	-	-
10	SPARE				
11	SPARE				
12	SPARE				

Item	Description	Part No	Qty	Torque	Remarks
13	HANDLE BLACK ANODISED	K3921385	1	-	-
14	CABLE TIE REL + BASE FIR TREE	3006719	4	-	NS
15	DETENT RING PIN	K3921384	2	-	-
16	SPARE				
17	SPARE				
18	SPARE				
19	SCREW M12 x 35 HEX SKT BUTT HD	3920390	1	-	NS
20	SCREW M10 x 35 HEX SKT BUTT HD	K3920995	1	-	-
21	SCREW M8 x 12 HEX SKT BUTT HD	K3921474	12	-	NS
22	SCREW M5 x 8 HEX SKT BUTT HD	3109640	2	-	-
23	SCREW M4 x 16 POZI PAN HD with captive lock & plain washer ..	K3921595	4	-	A
	SCREW PAN HD POZI	3094006	4	-	B
25	WASHER M12	3072827	1	-	NS
26	WASHER PLAIN M10 O/D30 x 2.5THK	K3920994	1	-	-
27	WASHER M8	3072274	12	-	NS
	SPARE				
29	WASHER CRINKLE M8	K3920997	12	-	NS
30	WASHER CRINKLE M5	3920499	2	-	-
	SPARE				
32	NUT M12	3038637	1	-	NS
33	NUT M10	3038564	1	-	-
	SPARE				
35	SCREW DRIVER NO 2 POZI	3066347	1	-	NS
36	L WRENCH BALLDRIVER 5mmA/F	3066657	1	-	NS
	SPARE				
38	INSTRUCTIONS CRT MOUNT ADAPTOR (JAPANESE)	K10004206	1	-	NS
39	SPARE				
40	INSTRUCTIONS CRT MOUNT ADAPTOR (ENGLISH)	K10004205	1	-	NS

REMARKS

- A K10004201 MAJ-1620 14" CRT MOUNT
- B K10004202 MAJ-1621 20" CRT MOUNT (NARROW)
- C K10004203 MAJ-1622 14" CRT MOUNT (WIDE)
- D K10004204 MAJ-1623 20" CRT MOUNT
- NS Not shown

FIGURE 8-20
MAJ-1624 NURSES CONTROL
PANEL ARM



MAJ-1624 NURSES CONTROL PANEL ARM - pt/no K10003563

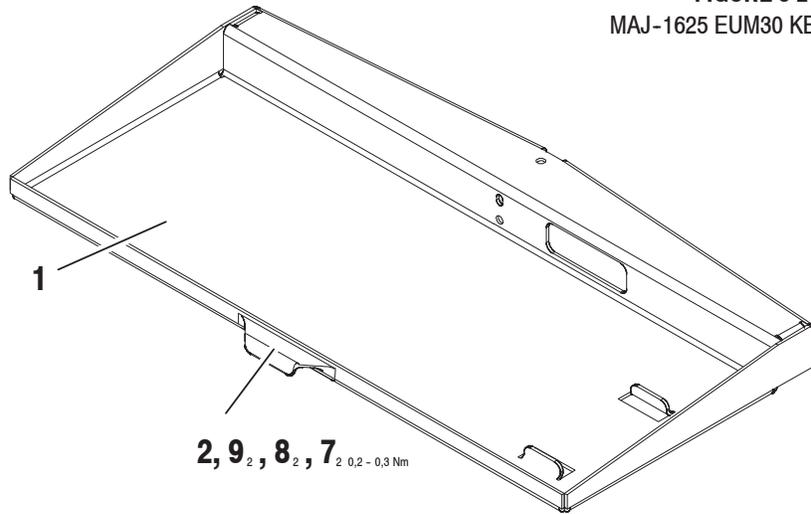
Item	Description	Part No	Qty	Torque	Remarks
1	SCREW M4 x 10 PHILLIPS FLANGE PAN HD	K3921655	4	-	-
2	SCREW M6 x 16 SKT BUTT HD	3109704	4	-	-
3	WASHER M6 SINGLE COIL	3072771	4	-	-
4	WASHER M6	3117138	4	-	-
5	ALLEN KEY 4mm A/F	3066011	1	-	NS
6	CABLE TIE	K3921530	3	-	NS
7	SPRING NUT M6	K7503840	4	-	-
8	INSTRUCTIONS (ENG/JAP)	K10004227	1	-	NS
9	PROTECTION CAP M10	K3921359	3	-	-
10	LABEL - WRNING TRIANGLE 12mm HIGH	K10003463	2	-	-
11	SPANNER 7mm A/F x 80mm	K10007289	1	-	NS

Remarks

NS Not shown

8.21 MAJ- 1625 EUM30 KEYBOARD

FIGURE 8-21
MAJ-1625 EUM30 KEYBOARD



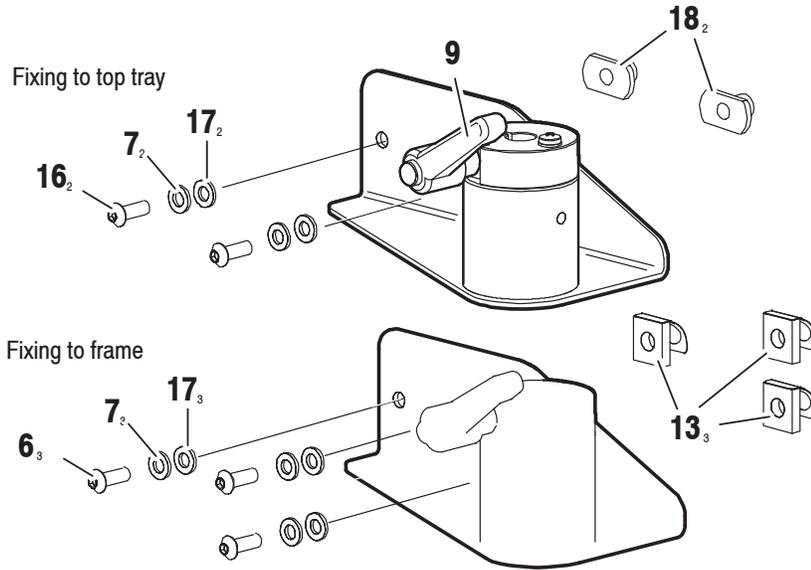
MAJ-1625 EUM30 KEYBOARD p/no K10004262

Item	Description	Part No	Qty	Torque	Remarks
1	WELDED TRAY ASSY (WM-W260)	K7504684	1	-	-
2	FINGER PULL	K7502154	1	-	-
3	SPARE				
4	SPARE				
5	SPARE				
6	SPARE				
7	SCREW 3 x 8 SELF TAPPING	K3921297	2	0.2 - 0.3Nm	NS
8	WASHER CRINKLE M3	3920331	2	-	NS
9	WASHER M3	3071227	2	-	NS
10	SPARE				
11	SPARE				
12	SPARE				
13	SPARE				
14	SCREW M6 x 12 HEX SKT BUTT HD	3920326	3	-	A, NS
15	WASHER M6	3920333	3	-	A, NS
16	WASHER CRINKLE M6	3072622	3	-	A, NS
17	SPARE				
18	SPARE				
19	INSTRUCTIONS FOR USE MAJ-146 (JAPANESE)	K5070391	1	-	NS
20	ALLEN KEY 4mm	3066011	1	-	NS
21	INSTRUCTIONS FOR USE MAJ-146 (ENGLISH)	K5070377	1	-	NS

Remarks

- A These items secure the keyboard tray to the keyboard arm.
- NS Not shown

FIGURE 8-22



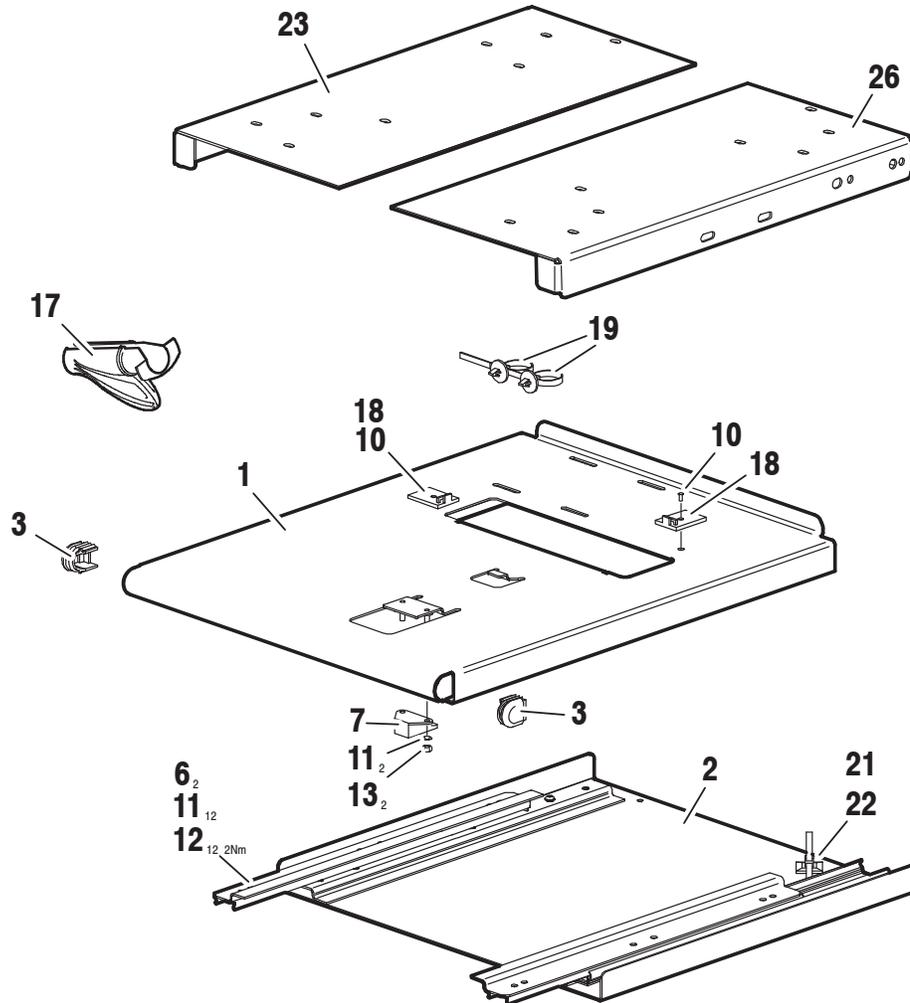
MAJ-1626 EUS ARM MOUNT KIT p/no K10004158

Item	Description	Part No	Qty	Torque	Remarks
1 to 5	SPARE				
6	SCREW M6 x 12 HEX SKT BUTT HD	3920326	3	-	A,B
7	WASHER CRINKLE M6	3072622	5	-	A
8	SPARE				
9	HANDLE LEVER TYPE BLACK BUTTON	K3920719	1	-	-
10	ALLEN KEY 4mm A/F SHORT	3066011	1	-	NS
11	INSTRUCTIONS FOR USE MAJ-1026	K10004240	1	-	NS
12	SPARE				
13	SPRING NUT M6	K7503840	3	-	A, B
14	SPARE				
16	SCREW M6 x 25 HEX SKT BUTT HD	K10004105	2	-	A, C, D
17	WASHER M6	3117138	3	-	A
18	JETNUT M6	3920573	2	-	A, C, D
19	ADHESIVE LOCTITE 638	3001067	A/R	-	-

Remarks

- A These items are used to secure the Arm Mount to the workstation.
- B Used for fixing Arm Mount to Frame of WM-260 or WM-P1
- C Used for fixing Arm Mount to Top Tray of WM-P1
- D Used for fixing Arm Mount to Top Tray of WM-260 or WM-P1
- NS Not shown

FIGURE 8-23
MAJ 1627 EU-C60/200 SHELF KIT



MAJ-1627 EU-C60/2000 SHELF KIT p/no K10004199

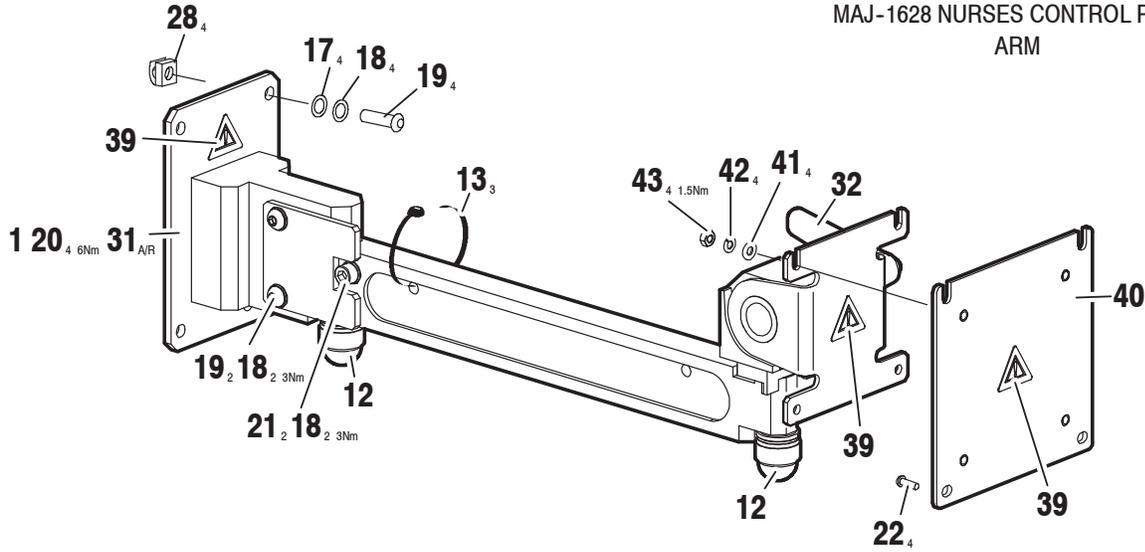
Item	Description	Part No	Qty	Torque	Remarks
1	SLIDING TRAY	K10004381	1	-	-
2	FIXED TRAY WELDED	K7502310	1	-	-
3	SHELF PLUG SMALL	7500735	2	-	-
4-5	SPARE				
6	SLIDE TELESCOPIC	K3920693	2	-	-
7	TOGGLE CATCH	K3920694	1	-	-
8	SPARE				
9	CLINCHING TIE BLACK	K3920698	2	-	B
10	SCREW M2 x 8 POZI PAN HD	K3920726	2	-	-
11	WASHER CRINKLE M4	3920332	14	-	-
12	SCREW M4 x 6 HEX SKT BUT HD	3109135	12	2 Nm	-
13	NUT HEX M4	K3920728	2	-	-
14-15	SPARE				
16	SLIT HARNESS WRAP 20MM	K3920696	0.6	-	NS
17	INSTALLATION TOOL	K3920787	1	-	-
18	ADJUSTABLE CABLE CLIP	K3920697	2	-	-
19	CABLE CLIP RELEASABLE NYLON	3920309	2	-	-
20	SPARE				
21	RELEASABLE NYLON CABLE TIE	K3920855	1	-	-
22	CABLE TIE BASE	3006794	1	-	-
23	LH MOUNTING PLATE	K10004365	1	-	-
24	SCREW M5 POZI PAN HD	3050114	4	-	B, NS
25	WASHER-SPECIAL	K7502337	4	-	A, NS
26	RH MOUNTING PLATE	K10004364	1	-	-
27	WASHER CRINKLE M5	3920499	4	-	A, NS
28	WASHER M5	3117162	4	-	A, NS
29	SCREW M6 x 12 HEX SKT BUTT HD	3920326	4	-	B, NS
30	WASHER CRINKLE M6	3072622	4	-	A, NS
31	ALLEN KEY 4MM A/F SHORT	3066011	1	-	B, NS
32	INSTRUCTIONS FOR USE MAJ-1627	K10004200	1	-	NS
33-34	SPARE				
35	SCREW M8 x 16 HEX SKT CAP HD	K3921515	4	-	B, NS
36	WASHER CRINKLE M8	K3920997	4	-	A, NS
37	WASHER 24 OD x 8.4 ID x 2MM THK	K3921536	4	-	A, NS
38	WASHER M6	3072860	4	-	A, NS
39	L-WRENCH BALL DRIVE 6MM A/F	K3921444	1	-	B, NS
40-41	SPARE				
42	INSTRUCTIONS FOR USE JAP MAJ-1627	K10004386	1	-	NS

Remarks

- A Fixing kit 1
- B Fixing kit 2
- NS Not shown

8.24 MAJ- 1628 NURSES CONTROL PANEL ARM

FIGURE 8-24
MAJ-1628 NURSES CONTROL PANEL
ARM



MAJ-1628 NURSES CONTROL PANEL ARM p/no K10004881

Item	Description	Part No	Qty	Torque	Remarks
1	MOUNTING PLATE	K10004944	1	-	-
2	SPARE				
3	SPARE				
6	SPARE				
7	SPARE				
8	SPARE				
9	SPARE				
10	SPARE				
11	NUT M10	3038564	2	-	A, NS
12	M10 PROTECTION CAP BLACK	K3921359	2	-	-
13	CABLE TIE REL 4.8W x 200L BLACK	K3921530	3	-	-
14	WASHER M10	3072762	4	-	NS
15	WASHER THRUST	K3921531	4	-	NS
16	WASHER BELLVILLE	K3921532	2	-	NS
17	WASHER M6	3117138	4	-	-
18	WASHER SINGLE COIL M6	3072771	8	-	-
19	SCREW M6 x 16 HEX SKT BUTT HD	3920327	6	3Nm	-
20	SCREW M6 x 16 HEX SKT CSK HD	K3921648	4	6Nm	-
21	SCREW M6 x 8 HEX SKT	K3921529	2	3Nm	-
22	SCREW M4 x 10 PHILLIPS FLANGE PAN HD	K3921655	4	-	-
23	ALLEN KEY 4MM A/F SHORT	3066011	1	-	NS
24	INSTRUCTIONS FOR USE MAJ-1628 UK	K10005050	1	-	NS

continued overleaf

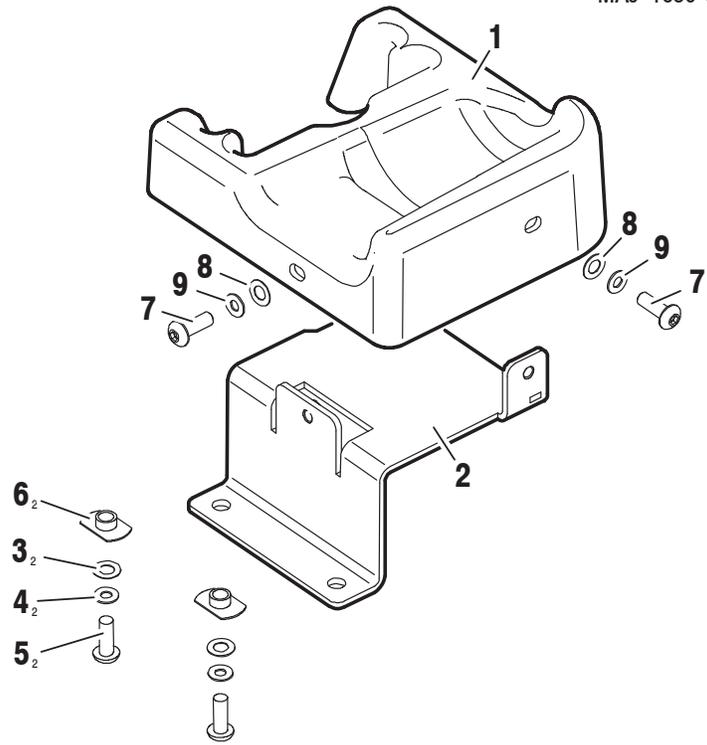
MAJ-1628 NURSES CONTROL PANEL ARM p/no K10004881...continued

Item	Description	Part No	Qty	Torque	Remarks
25	SPARE				
26	SPARE				
28	SPRING NUT M6	K7503840	4	-	-
29	SPARE				
30	SPARE				
31	ADHESIVE LOCTITE 222 SCREWLOCK	3001024	A/R	-	NS
32	HANDLE ADJUSTABLE LEVER FEMALE	K3921195	1	-	A
33	WASHER BELVILLE	K3921196	1	-	A, NS
34	WASHER M10	K3921197	1	-	A, NS
35	WASHER - CORK LCD	K7504371	2	-	A, NS
36	BOLT COACH M10 x 75L	K3921545	1	-	A, NS
37	LONG ARM STOP	K10004952	1	-	-
38	BRACKET LCD MOUNT	K10004953	1	-	-
39	LABEL-WARNING TRIANGLE 12mm HIGH	K10003463	3	-	-
40	ADAPTOR PLATE VESA MOUNT	K10001013	1	-	-
41	WASHER M4	3072461	4	-	-
42	WASHER M4 SINGLE COIL	K10000038	4	-	-
43	NUT M4	K3920728	4	1.5Nm	-
44	SPANNER 7mm A/F x 80mm	K10007298	1	-	NS

Remarks

- NS Not shown
- A Used on REPAIR KIT TILT FOR MAJ-132 p/no K7504865

FIGURE 8-25
MAJ-1630 VIDEO/SCOPE CABLE
BRACKET



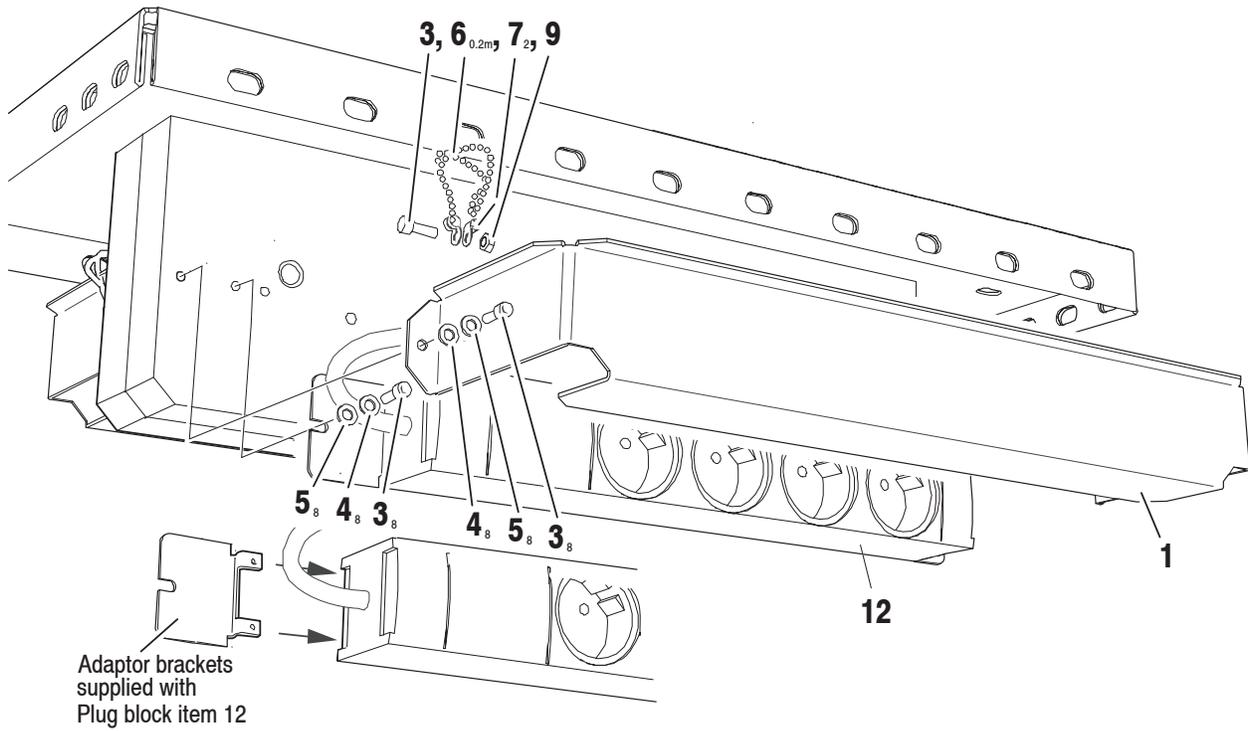
MAJ- 1630 VIDEO/SCOPE CABLE BRACKET p/no K10004449

Item	Description	Part No	Qty	Torque	Remarks
1	BRACKET CABLE (VIDEO/SCOPE)	K10004448	1	-	-
2	BRACKET VIDEO/SCOPE	K10004113	1	-	-
3	WASHER M5	3071286	2	-	A
4	WASHER CRINKLE M5	3920499	2	-	A
5	SCREW M5 x 12 BUTT HD SKT ST/ST	3108601	2	-	A
6	JETNUT M5 SINGLE NUT PLATE	K10004575	2	-	A
7	SCREW M4 x 12 BUTT HD SKT ST/ST	3108571	2	2.0 Nm	-
8	WASHER M4	3072461	2	-	-
9	WASHER CRINKLE M4	3920332	2	-	-
10	ALLEN KEY 3MM A/F	3066142	1	-	NS
11	SPARE				
12	SPARE				
13	INSTRUCTIONS FOR MAJ-1630	K10004452	1	-	NS

Remarks

- NS Not shown
- A Used for fixing Video/scope cable bracket to the workstation.

FIGURE 8-26
MAJ-1631 PLUG BLOCK KIT - EU



MAJ-1631 PLUG BLOCK KIT - EU p/no K10004515

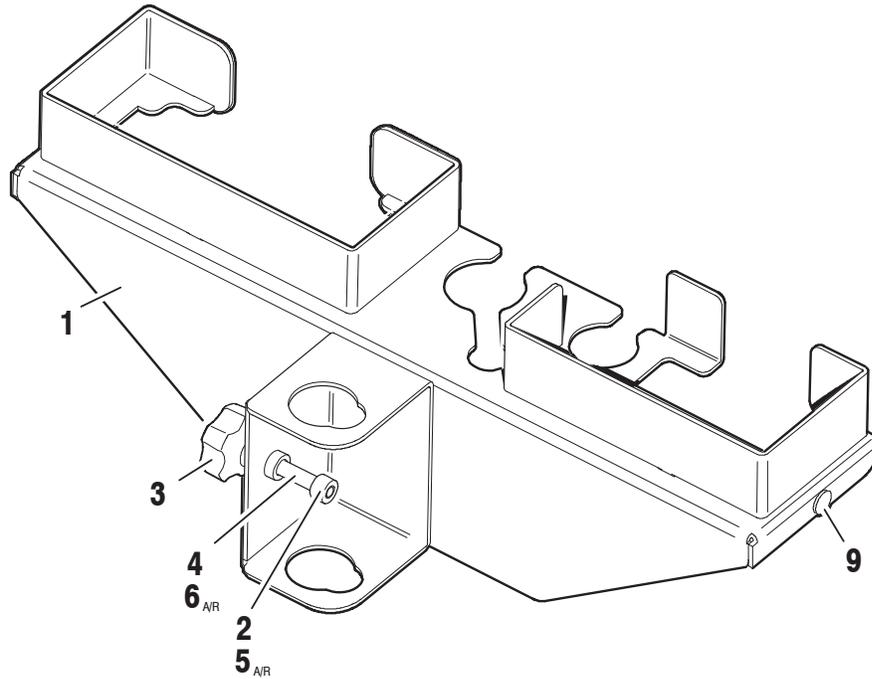
Item	Description	Part No	Qty	Torque	Remarks
1	PLUG BLOCK COVER	K10004501	2	-	-
2	SPARE				
3	SCREW M4 x 12 HEX SKT CAP HD	3109445	10	-	-
4	WASHER M4	3071219	8	-	-
5	WASHER M4 SINGLE COIL	K10000038	8	-	-
6	CHAIN BALL	3090019	0.2m	-	-
7	BALL CHAIN CONNECTOR NO.8	K3921579	4	-	-
8	SPARE				
9	NUT NORMAL M4	3038360	2	-	-
10	INSTRUCTIONS FOR MAJ-1631	K10004518	1	-	NS
11	SPARE				
12	4 WAY SCHUKO SOCKET STRIP	K10022588	2	-	-
13	SPARE				
14	ALLEN KEY 3MM A/F	3066142	1	-	NS

Remarks

NS Not shown

8.27 MAJ-1635 EUS CONNECTOR HOLDER

FIGURE 8-27
MAJ-1635 EUS CONNECTOR HOLDER



MAJ-1635 EUS CONNECTOR HOLDER - p/no K1001159

Item	Description	Part No	Qty	Torque	Remarks
1	MAJ-1635 EUS CONNECTOR BRACKET S/P	K1001158	1	-	-
2	BUSH	K7502527	1	-	-
3	HANDKNOB M6 BLACK	3920317	1	-	-
4	GRUB SCREW NYLON END M6X50	K10015225	1	-	-
5	ADHESIVE PERMABOND 947	K10011344	A/R	-	-
6	ADHESIVE LOCTITE 638	3001067	A/R	-	-
7	INSTRUCTIONS FOR USE MAJ-1635	K10011180	1	-	N/S
9	GROMMET - black	K10015707	1	-	-

Remarks

N/S Not shown.

