

**Pronto® R2™,
Ranger II™ MWD for WSBT
(After 2/29/2000)**

and Pronto® R2™ for PTO-PR & ESS6-PR



Yes, you can.

Parts Catalog Usage Guide

The information contained in this document is subject to change without notice. This catalog contains service parts for Form No. 99-223. If you have any questions regarding this catalog, please contact one of our Customer Service Representatives.

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Literature Can Be Found at:

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SYMBOL DEFINITION

Throughout this catalog you will notice letters to draw your attention to specific footnotes which are located at the bottom of the page or below specified charts.

Examples:

A,B,C etc. = Special Comments

NOTE: = General information pertaining to that specific page

NLA = No Longer Available

HARDWARE MEASUREMENTS

The measurements for the hardware will be listed as follows:

Screws, Bolts Diameter X Thread Count/Pitch X Length

Washers Inside Diameter X Outside Diameter X Thickness

Spacers Inside Diameter X Outside Diameter X Length

For your convenience, we have supplied an area for you to list your Invacare Representatives.

Name	Phone Numbers

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Frame Finish, Touch-Up Paints and Upholstery Options

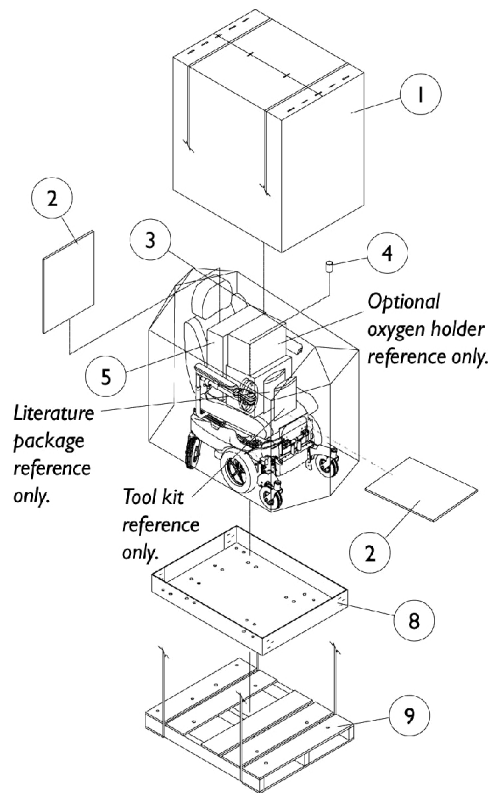
Frame Finish and Touch-Up Paint

Color Number	Part Number	Bottle Size	Color
24P	1031450-NLA	.6 oz.	Wet Black
34P	1046327-NLA	.6 oz.	Flat Black
69P	1101320-NLA	.6 oz.	Teflon Black

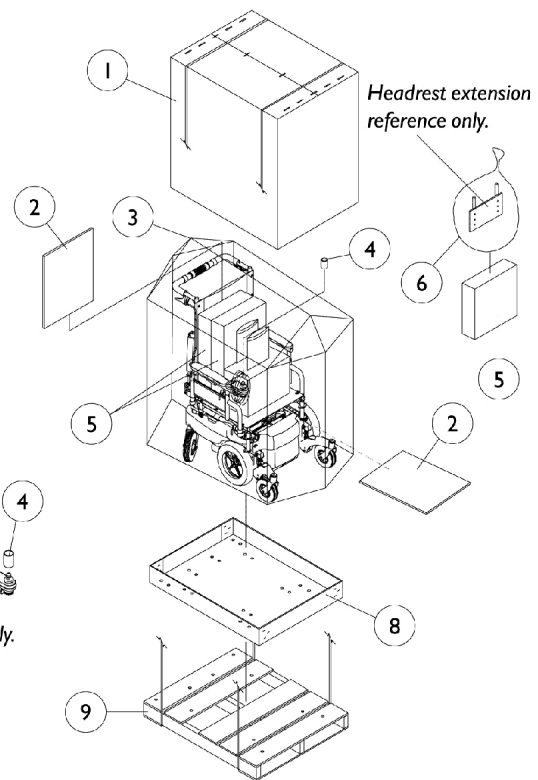
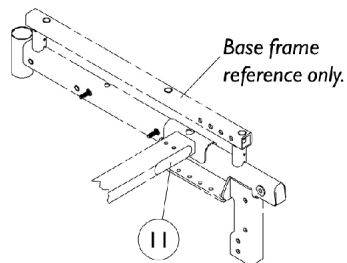
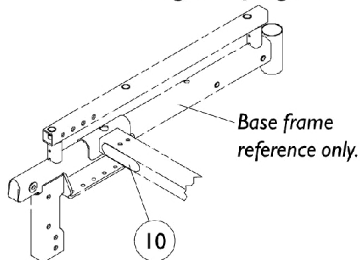
Upholstery Options

Vinyl Colors	Nylon Colors
U67 Black	U240
U75 Dove Grey	
U85 Dark Blue	
U86 Ruby	
U97 Sky Blue	
U88 Camel	

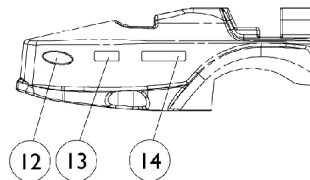
Packaging, Literature and Decals



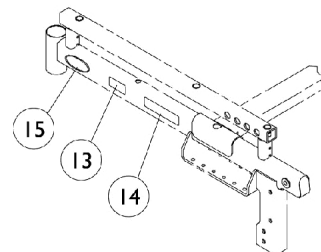
L.B. Captain Seat, A.S.B.A. Seat and Weight Shifting Tilt



H.B. Captain Seat and A.S.B.A. Manual Recliner



Right Shroud Cover Shown



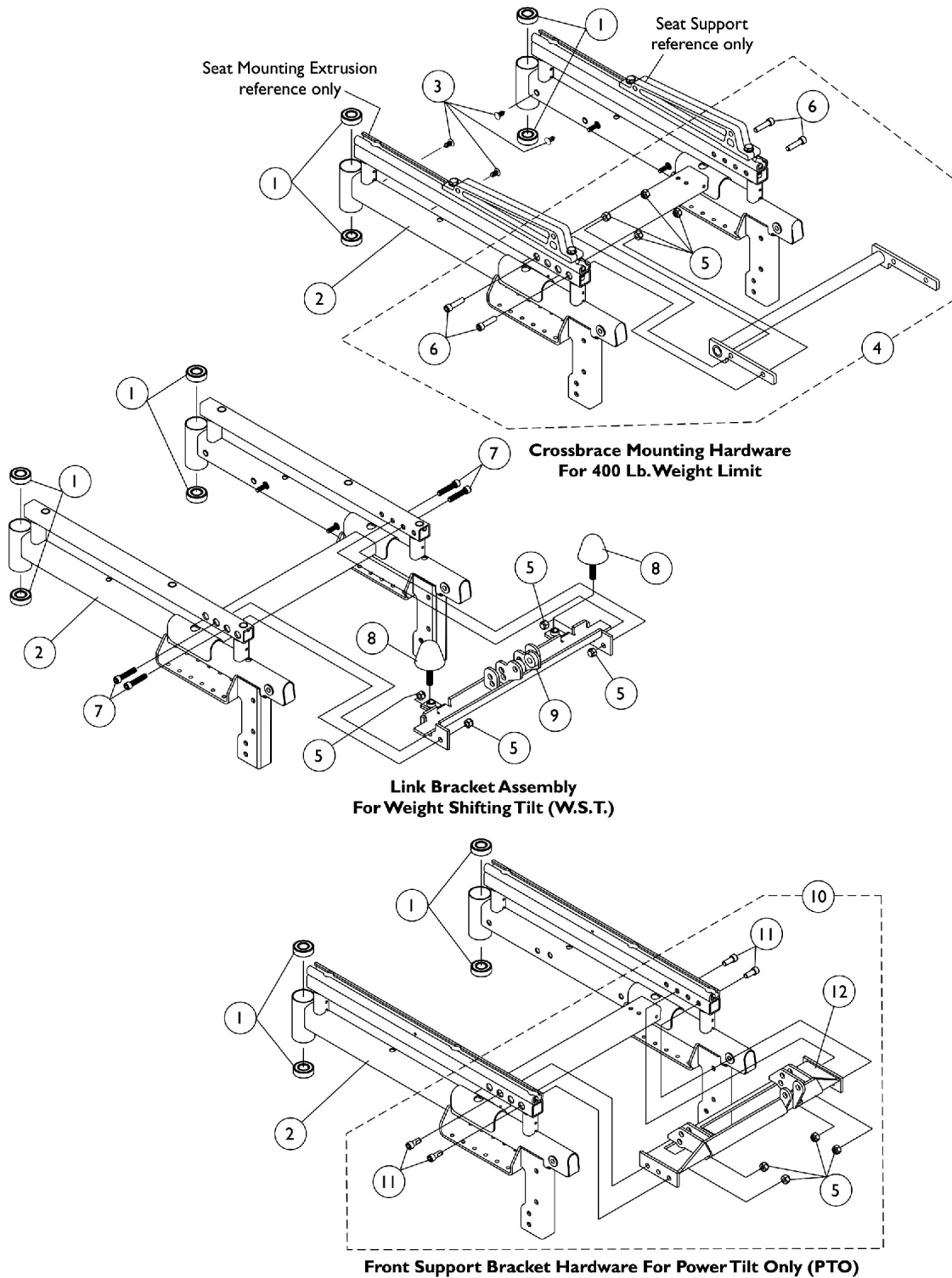
Right/Left Outside of Frame without Shrouds

Packaging, Literature and Decals

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	C	1030364	Carton, Cover	1	1
1	D	1031682	Carton, Cover	1	1
1	E	1030365	Carton, Cover	1	1
2		40131X161	Insert, Plain Pad	1	2
3		1015592	Bag, Poly (72" L x 35" W x 19" D)	1	1
4		1043198-NLA	NLA - Tube, Paper	1	1
5	F	40131X011-NLA	NLA - Carton, Front Riggings	1	1
6		1021866-NLA	NLA - Bag, Poly (26" L x 15" W)	1	1
7	B	1012001-NLA	NLA - Carton, Joystick	1	1
8		1030362	Carton, Tray	1	1
9	H	See Note	See Footnote	1	1
10		1119281-NLA	NLA - Plate, Name, Patent Numbers	1	1
11		1035900	Decal, Transportation	1	1
12		1095489	Decal, Invacare 3-D Logo (2-1/2" L)	1	1
13		1097104-NLA	NLA - Decal - 250-S	1	2
14		1095601-NLA	NLA - Decal, Model - Pronto	1	2
14	G	1095224-NLA	NLA - Decal, Model, Black - Ranger II	1	2
14	G	1095225-NLA	NLA - Decal, Model, White - Ranger II	1	2
15		1090146-NLA	NLA - Decal, Invacare 3-D Logo (1-19/32" L)	1	1
	A,I	1095272-NLA	NLA - Instruction Manual, MKIV RII	1	1
	A,J	1095602-NLA	NLA - Owner's Manual	1	1
	A	00077X031-NLA	NLA - Warranty Card	1	1
	A	1100911-NLA	NLA - Decal, Stabilizer Patent	1	1
NOTE: A - Not Shown B - Used for base only packaging. Order part #40131X011 to use as a replacement Joystick Carton also. C - L.B. Captain Seat, A.S.B.A. Seat and Weight Shifting Tilt D - H.B. Captain Seat and A.S.B.A. Manual Recliner E - Base Only F - Legrest and Headrest Extension G - Weight Shifting Tilt After 2/29/00 H - Wood Skid not supplied I - Item is no longer available from the Invacare Service Parts Department. Refer to the Invacare Website under "Product Literature Search". Enter the part number in the "Keywords" field and download a free PDF version copy. J - Item is no longer available from the Invacare Service Parts Department. Refer to the Invacare Website under "Product Literature Search". Enter the part number in the "Keywords" field and download a free PDF version copy. NOTE: When adjusting or replacing parts, please refer to your Owner's Manual for assistance.					

Base Frame and Hardware

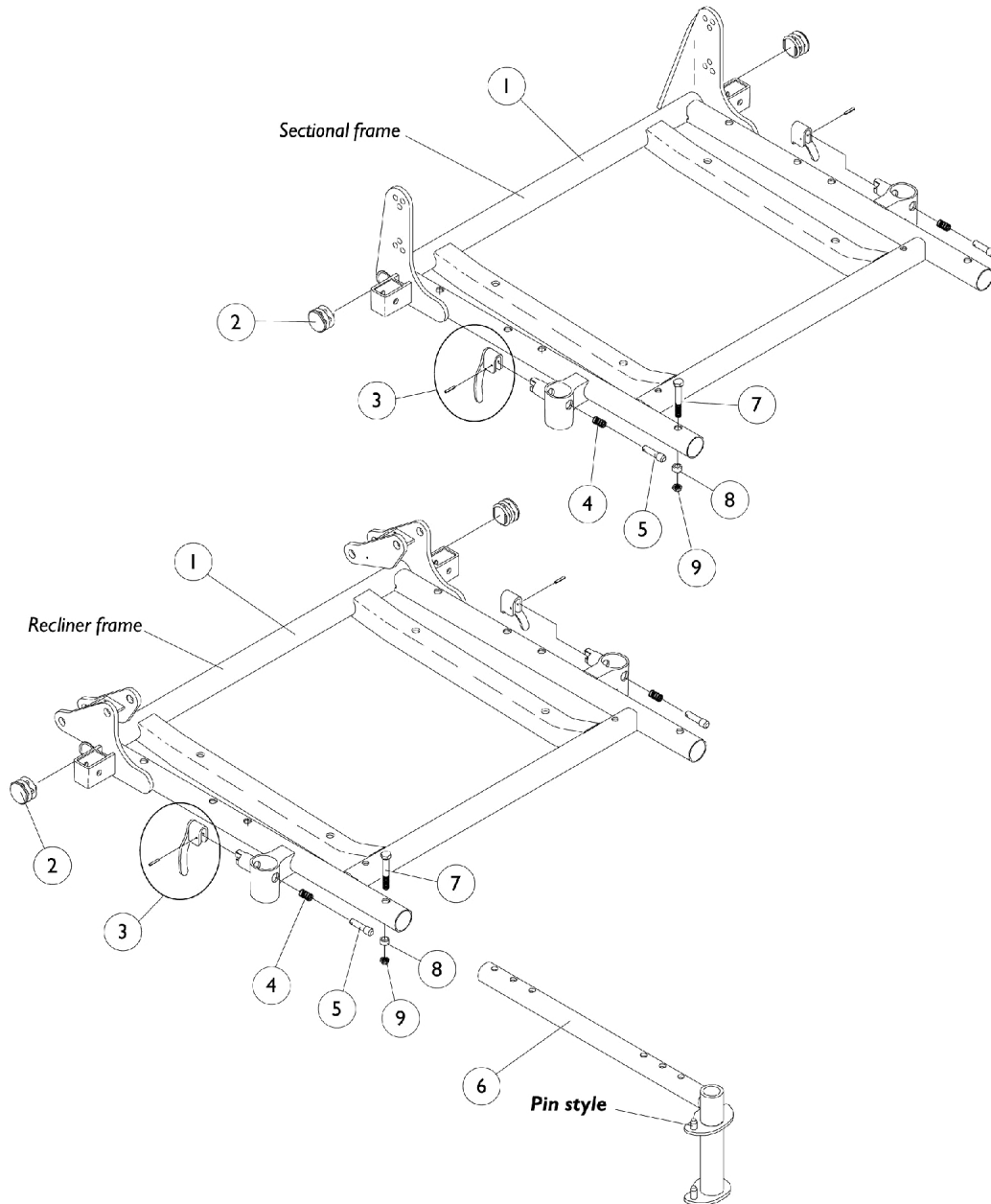
NOTE: All seat options including a Power Tilt Only use the same base frame part number (1079192). Some seat options may require specific base frame hardware that is specified below.



Base Frame and Hardware

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		40117X006	Bearing (5/8")	1	4
2	B,C,E	1079192-NLA	NLA - Base Frame with Bearings	1	1
3	A	1058520-NLA	NLA - Fastener, Panel Snap-In	1	4
4	D	1095622-NLA	NLA - Crossbrace with Mounting Hardware	1	1
5		1026158	Locknut (5/16-18)	1	4
6		1021343	Screw, Socket Head (5/16-18 x 1-1/4")	1	4
7		1021344	Screw, Socket Head (5/16-18 x 1-1/2")	1	4
8		0225100-NLA	NLA - Bumper, Tilt	1	2
9		1098615-NLA	NLA - Bracket, Link w/ Caution Decal, Black	1	1
10	F	1106551-NLA	NLA - Kit, Front Support Bracket Hardware	1	1
11		1086944-NLA	NLA - Screw, Socket Head (5/16-18 x 3/4")	1	4
12		1106393-NLA	NLA - Bracket, Support, Front, Black	1	1
NOTE: A - Used when shroud option is omitted. B - Specify 24P wet black frame color when ordering C - Decals not included, see "Packaging, Literature and Decals" page. D - Includes items 5 and 6 E - For all seat options. F - Includes items 5, 11 and 12					

Seat Frame Assembly (Adult 16"-24" Wide)



Seat Frame Assembly (Adult 16"-24" Wide)

#1. Seat Frame with Hardware

Sectional

Seat Width	16"-17" Depth	18"-19" Depth	20"-21" Depth	22" Depth
16" Width	1070672-NLA	1070681-NLA	1070690-NLA	1070699-NLA
17" Width	1070673-NLA	1070682-NLA	1070691-NLA	1070700-NLA
18" Width	1070674-NLA	1070683-NLA	1070692-NLA	1070701-NLA
19" Width	1070675-NLA	1070684-NLA	1070693-NLA	1070702-NLA
20" Width	1070676-NLA	1070685-NLA	1070694-NLA	1070703-NLA
21" Width	1070677-NLA	1070686-NLA	1070695-NLA	1070704-NLA
22" Width	1070678-NLA	1070687-NLA	1070696-NLA	1070705-NLA
23" Width	1070679-NLA	1070688-NLA	1070697-NLA	1070706-NLA
24" Width	1070680-NLA	1070689-NLA	1070698-NLA	1070707-NLA

#1. Seat Frame with Hardware

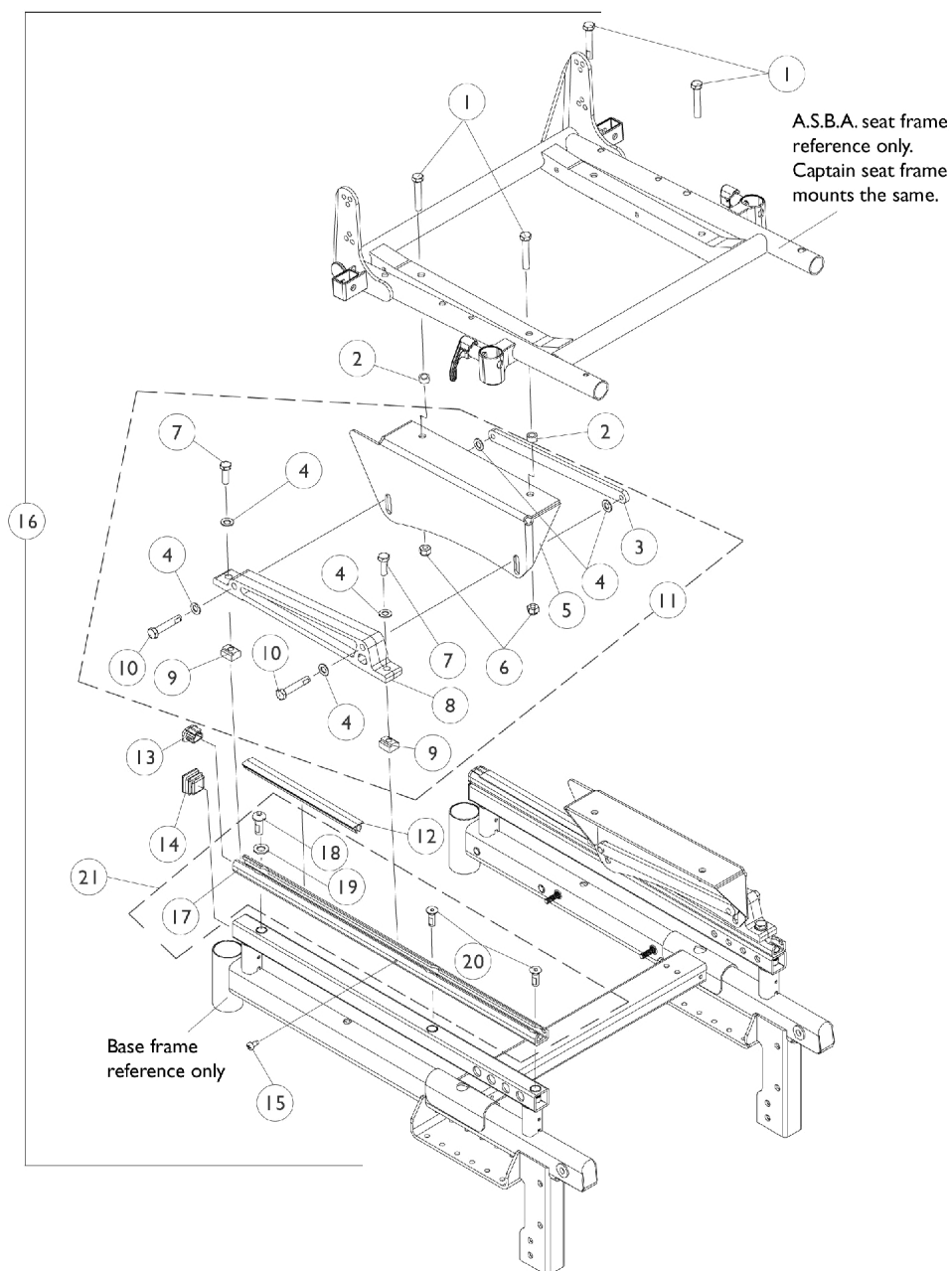
Recliner

Seat Width	16"-17" Depth	18"-19" Depth	20"-21" Depth	22" Depth
16" Width	1070708-NLA	1070717-NLA	1070726-NLA	1070735-NLA
17" Width	1070709-NLA	1070718-NLA	1070727-NLA	1070736-NLA
18" Width	1070710-NLA	1070719-NLA	1070728-NLA	1070737-NLA
19" Width	1070711-NLA	1070720-NLA	1070729-NLA	1070738-NLA
20" Width	1070712-NLA	1070721-NLA	1070730-NLA	1070739-NLA
21" Width	1070713-NLA	1070722-NLA	1070731-NLA	1070740-NLA
22" Width	1070714-NLA	1070723-NLA	1070732-NLA	1070741-NLA
23" Width	1070715-NLA	1070724-NLA	1070733-NLA	1070742-NLA
24" Width	1070716-NLA	1070725-NLA	1070734-NLA	1070743-NLA

Seat Frame Assembly (Adult 16"-24" Wide)

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		See Chart	Item #1 Seat Frame with Hardware - Recliner	1	1
1		See Chart	Item #1 Seat Frame with Hardware - Sectional	1	1
2		1029501	Plug Button, Black (1")	1	2
3		1090768	Kit, Lock Handle w/Rivets (Pair)	2	1
4		47471X074	Spring, Arm Lock	1	2
5		1028594	Pin, Arm Lock, Black	1	2
6	B	1070356-NLA	NLA - Hanger Assembly, Front Rigging, Pin Style, Black - Right (12 - 21" D)	1	2
6	B	1070357-NLA	NLA - Hanger Assembly, Front Rigging, Pin Style, Black - Left (12 - 21" D)	1	2
6	C	1070358-NLA	NLA - Hanger Assembly, Front Rigging, Pin Style, Black - Right (22" D)	1	2
6	C	1070359-NLA	NLA - Hanger Assembly, Front Rigging, Pin Style, Black - Left (22" D)	1	2
7	A	1030949	Screw, Hex Head (1/4-20 x 1-1/2")	1	2
8	A	1047449-NLA	NLA - Spacer (1/4 x 3/8 x 3/16")	1	2
9	A	7930333	Locknut (1/4-20)	25	2
NOTE: A - This item not included with seat frame hardware. B - 16 to 21" Deep C - 22" Deep					

ASBA Seat and Captain Seat Frame Mounting Hardware

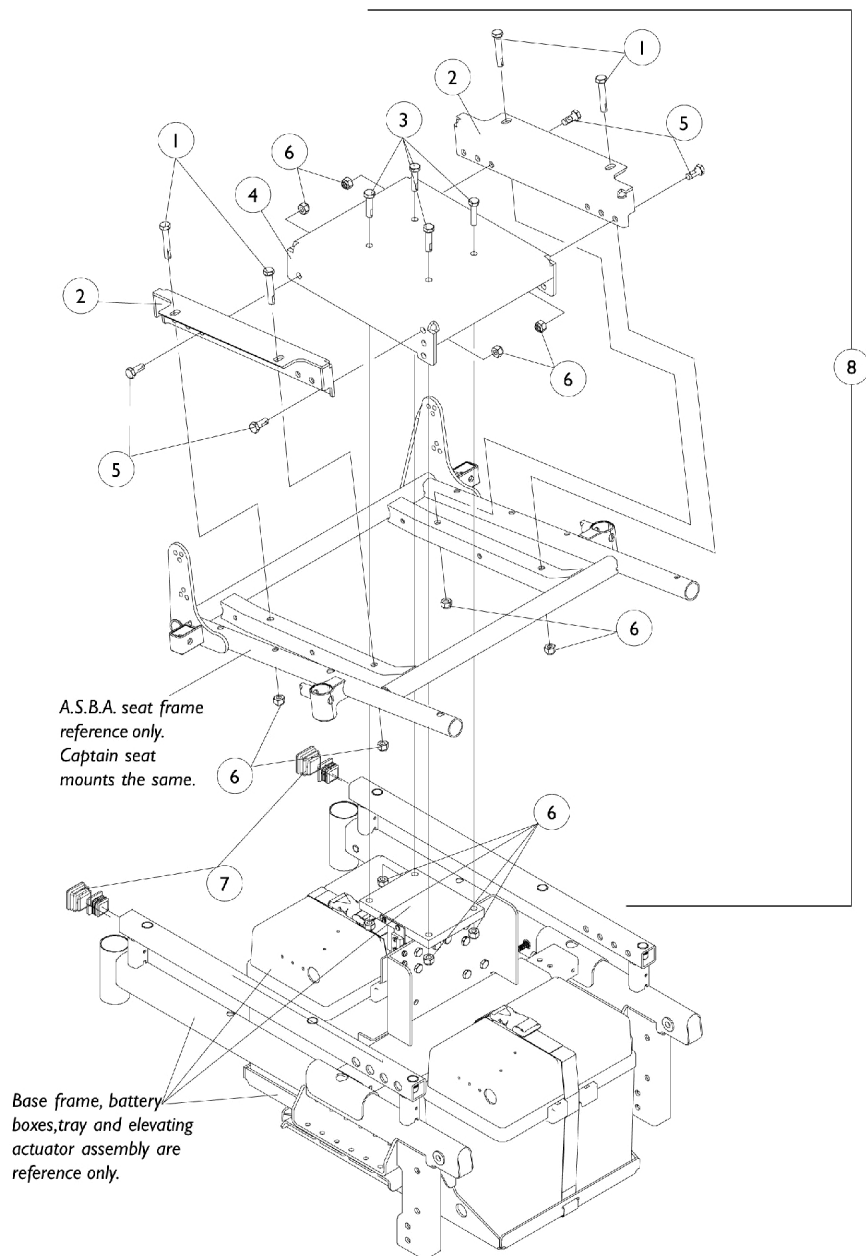


ASBA Seat and Captain Seat Frame Mounting Hardware

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1043627-NLA	NLA - Screw, Hex Head w/ Patch (5/16-18 x 1-3/4")	1	4
1	B	1070398-NLA	NLA - Screw, Hex Head (5/16-18 x 1-1/2")	1	4
2	A	1070413-NLA	NLA - Spacer (21/64 x 1/2 x 17/64")	1	4
3		1070396-NLA	NLA - Strap, Bolt, Black	1	2
4		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	12
5	I	1070343-NLA	NLA - Plate, Seat Mounting Low, Right	1	1
5	I	1070344-NLA	NLA - Plate, Seat Mounting Low, Left	1	1
5	J	1070345-NLA	NLA - Plate, Seat Mounting Medium, Right	1	1
5	J	1070346-NLA	NLA - Plate, Seat Mounting Medium, Left	1	1
6		1026158	Locknut (5/16-18)	1	4
7		1070462-NLA	NLA - Screw, Hex Head w/ Patch (5/16-18 x 7/8")	1	4
8		1070388	Support, Seat, Black	1	2
9		1069724	T-Nut (5/16-18)	1	4
10		1043627-NLA	NLA - Screw, Hex Head w/ Patch (5/16-18 x 1-3/4")	1	4
11	D,I	1106852-NLA	NLA - Seat, Mounting Plate w/ Hardware, Low	1	1
11	D,J	1106853-NLA	NLA - Seat, Mounting Plate w/ Hardware, Medium	1	1
12	H	1070503-NLA	NLA - Cover, Extrusion	1	2
13		1096769-NLA	NLA - Cap, End, Black	1	4
14		1096795-NLA	NLA - Plug Button, Square, Black (1")	1	2
15		1025729	Screw, Phillips Pan Head Tap (#8-32 x 3/8")	1	2
16	A,E	1095614-NLA	NLA - Hardware, Seat Frame Mounting	1	1
16	B,C,F	1095593-NLA	NLA - Hardware, Seat Frame Mounting	1	1
17		1098872-NLA	NLA - Extrusion, Seat Mounting	1	2
18		1065215	Screw, Socket Button Head w/ Patch (5/16-18 x 3/4")	1	2
19		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	2
20		1095586-NLA	NLA - Screw, Socket Flat Head w/ Patch (5/16-18 x 7/8")	1	4
21	G	1098302-NLA	NLA - Extrusion, Seat Mounting and Hardware (Pair)	2	1

NOTE: A - Used on 16" wide A.S.B.A. seat frames only
 B - Used on 17"-24" wide A.S.B.A. seat frames and captain seats
 C - Item 5 not included in package
 D - Includes items 3-10
 E - Hardware p/n 1095614 is NLA. For replacement parts order hardware no. 1095593, 4 ea. 1070413 (spacers), and 4 ea. 1043627 (screws).
 F - Includes items 1, 3, 4, 6-10 and 12-15
 G - Includes items 17-20
 H - 2 Feet
 I - 18.5" Seat to Floor
 J - 20-3/4" Seat to Floor

ASBA Seat and Captain Seat Frame Mounting Hardware For Elevating Seat



ASBA Seat and Captain Seat Frame Mounting Hardware For Elevating Seat

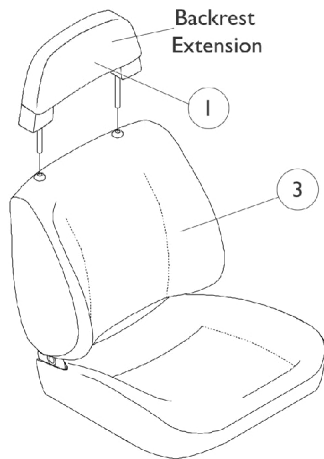
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1043627-NLA	NLA - Screw, Hex Head w/ Patch (5/16-18 x 1-3/4")	1	4
2		1106521-NLA	NLA - Bracket, Seat Frame Support, Black	1	2
3		7930337-NLA	NLA - Package, Screw, Hex Head w/ Patch (5/16-18 x 1-1/4")	25	4
4		1106522-NLA	NLA - Bracket, Seat Frame Mounting, Black	1	1
5		1039860	Screw, Hex Head w/ Patch (5/16-18 x 3/4")	1	4
6		1026158	Locknut (5/16-18)	1	12
7		1096795-NLA	NLA - Plug Button, Square, Black (1")	1	2
8	A	1108224-NLA	NLA - Hardware, Seat Frame Mounting	1	1
NOTE: A - Includes items 1-7					

Captain Seat Assembly

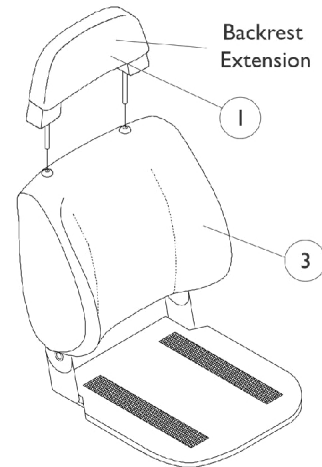
Before 11/01/01

NOTE: Low Back (L.B.) Captain Seat description changed to Extended Back (E.B.) Captain Seat as of 10/01/00.

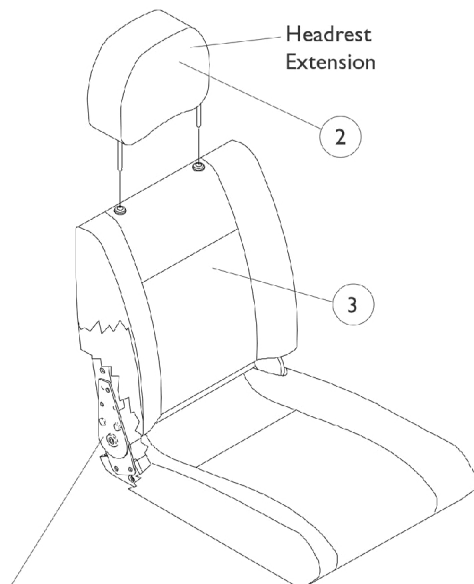
NOTE: Captain Seats incorporated an assisted recline of approximately 80-114 degrees for extended backs and high back 22" wide models. High back 18" wide models are 85-170 degrees.



Extended Back 18" Wide

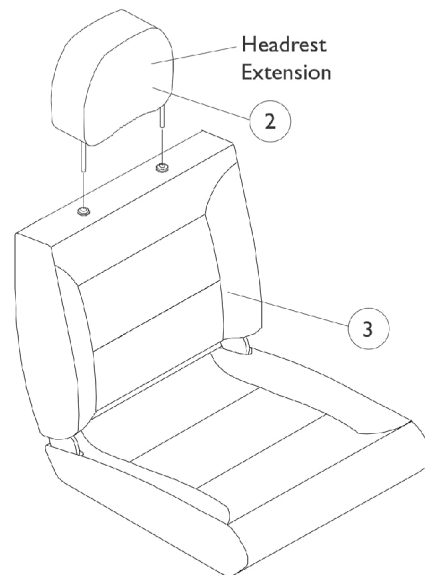


Extended Back, Forward Folding 18" Wide w/ Solid Seat Base



NOTE: High back 18" wide captain seat includes the actuator hardware. See seat frame and actuator hardware page.

High Back 18" Wide w/ Full Recline



High Back 22" Wide w/ Semi Recline

Captain Seat Assembly

Before 11/01/01

NOTE: Low Back (L.B.) Captain Seat description changed to Extended Back (E.B.) Captain Seat as of 10/01/00.

NOTE: Captain Seats incorporated an assisted recline of approximately 80-114 degrees for extended backs and high back 22" wide models. High back 18" wide models are 85-170 degrees.

Item Number	Backrest/Headrest Extension and Captain Seat Assemblies	Grey Fabric/Vinyl	All Grey Vinyl	Brunswick Buff All Tan Vinyl
1.	Backrest, Extended Back	1090374-NLA See Note(s) A	1090375-NLA See Note(s) A	1090376-NLA See Note(s) A
1.	Backrest, Extended Back Forward Folding (Before 5/12/00)	1078997-NLA See Note(s) B	N/A	N/A
1.	Backrest, Extended Back Forward Folding (After 5/11/00)	1090374-NLA See Note(s) A	N/A	N/A
2.	Headrest, High Back (For 18 and 22" Wide)	1090379-NLA See Note(s) A	1090380-NLA See Note(s) A	N/A
3.	18" W Extended Back	1090371-NLA	1090372-NLA	1090373-NLA
3.	18" W Extended Back Forward Folding (Before 5/12/00)	1085104-NLA	N/A	N/A
3.	18" W Extended Back Forward Folding (After 5/11/00)	1090370-NLA	N/A	N/A
3.	18" Wide High Back with Full Recline	1091068-NLA See Note(s) C	1091069-NLA	N/A
3.	22" Wide High Back with Semi Recline	1098287-NLA	N/A	N/A

NOTE: A - 4-3/4" Backrest/Headrest Post Spacing
B - 9" Backrest Post Spacing
C - High back 18" wide captain seats includes actuator attaching hardware.

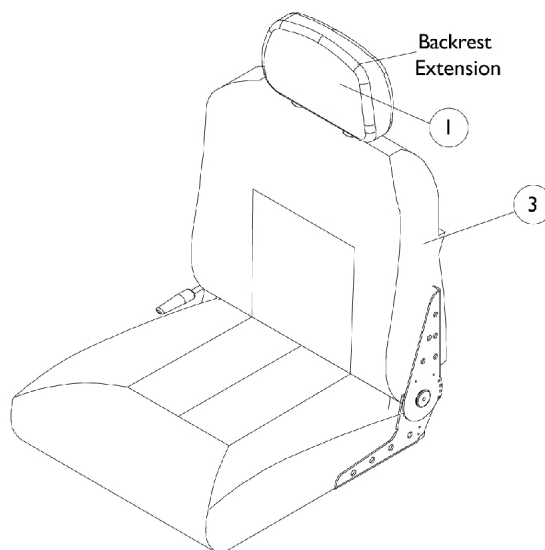
NOTE: When converting from a extended back captain seat to an 18" wide high back captain seat, a sensor cable must be ordered as well.

NOTE: For captain seats marked NLA, use captain seats dated after 10/31/01 as replacements.

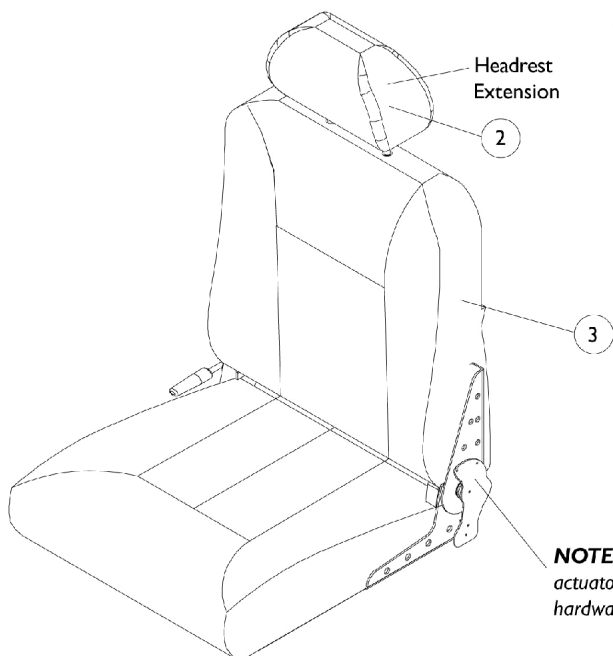
Captain Seat Assembly

After 10/31/01

NOTE: Captain Seats recline approximately 90-114 degrees for semi recline backs and 90-170 degrees for full recline back models. Adjustable depths are (16, 17, 18" deep for 18" wide seats) and (18, 19, 20" deep for 20 and 22" wide seats). Recline release levers are standard on the right side. Left side release levers can be ordered as a special with a new captain seat.



Semi Recline Captain Seat



NOTE: Full recline captain seats **do not include** the actuator hardware. See seat frame and actuator hardware page.

Full Recline Captain Seat

Captain Seat Assembly

After 10/31/01

NOTE: Captain Seats recline approximately 90-114 degrees for semi recline backs and 90-170 degrees for full recline back models. Adjustable depths are (16, 17, 18" deep for 18" wide seats) and (18, 19, 20" deep for 20 and 22" wide seats). Recline release levers are standard on the right side. Left side release levers can be ordered as a special with a new captain seat.

Item Number	Backrest/Headrest Extension and Captain Seat Assemblies	All Grey Fabric	All Grey Vinyl	All Tan Vinyl
1.	Backrest (For Semi Recline)	1106969-NLA	1108408	1106968-NLA
2.	Headrest (For Full Recline)	1106967	1108409-NLA	1106966
3.	18" W Semi Recline with Backrest	1109254-NLA	1109242	1109248-NLA
3.	18" W Full Recline with Headrest	1109257-NLA	1109245-NLA	1109251-NLA
3.	20" W Semi Recline with Backrest	1159892-NLA	1159891	1159893-NLA
3.	20" W Full Recline with Headrest	1109258-NLA	1109246-NLA	1109252-NLA
3.	22" W Semi Recline with Backrest	1109256-NLA	1109244	1109250-NLA
3.	22" W Full Recline with Headrest	1109259	1109247-NLA	1109253-NLA
Not Shown	Hinge Bracket w/ Lever Semi-Recline - Right	1116634 See Note(s) A	1116634 See Note(s) A	1116634 See Note(s) A
Not Shown	Hinge Bracket w/o Lever Semi-Recline - Left	1116635 See Note(s) A	1116635 See Note(s) A	1116635 See Note(s) A
Not Shown	Screw, Phillips Truss Head (1/4-20 x 3/4")	5000136 See Note(s) B	5000136 See Note(s) B	5000136 See Note(s) B

NOTE: A - Not Shown. Hinge Brackets used for ALL Semi-Recline Seat models only. For attaching Hinge Bracket, see part number 5000136.

B - Not shown, Screw for Hinge Bracket(s) 1116634 and 1116635. Total of (7) required for each Bracket.

NOTE: When converting from a semi recline to a full captain seat, a sensor cable must be ordered as well.

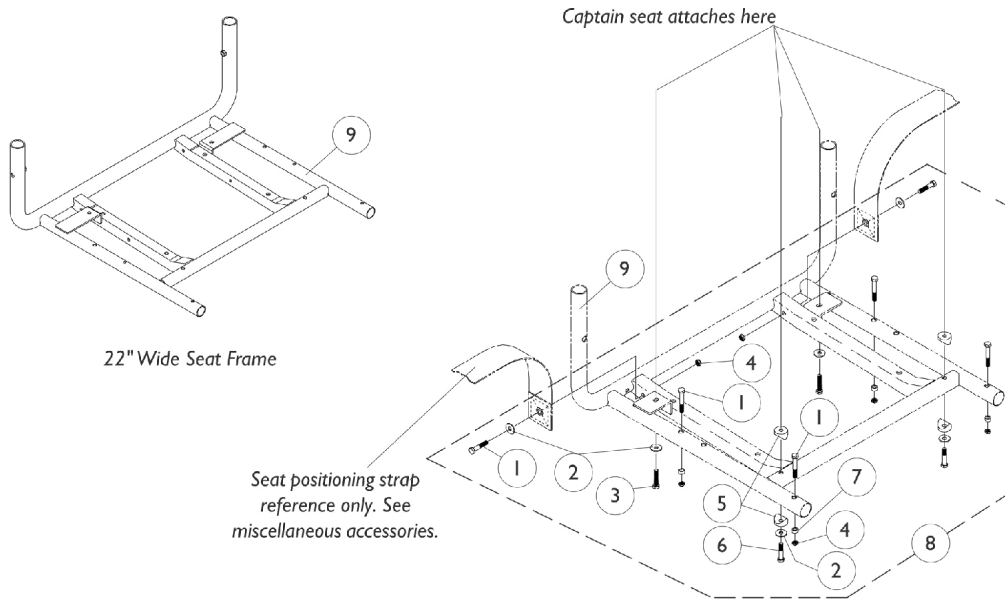
NOTE: Actuator mounting hardware is not included with a full recline captain seat. See Actuator mounting hardware.

NOTE: New seat mounting hardware is required when converting a captain seat made before 11/01/01 to a captain seat made after 10/31/01.

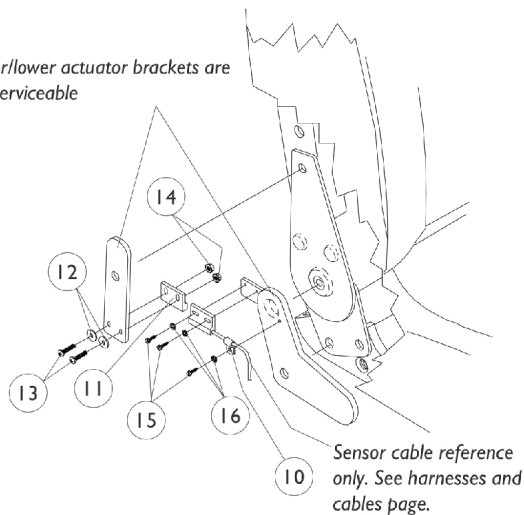
Captain Seat Frame and Actuator Hardware

Before 11/01/01

NOTE: Low Back (L.B.) Captain Seat Description changed to Extended Back (E.B.) Captain Seat as of 10/02/00.



Upper/lower actuator brackets are non-serviceable



**Actuator Attaching Hardware
(High Back 18" Wide Models Only)**

Captain Seat Frame and Actuator Hardware

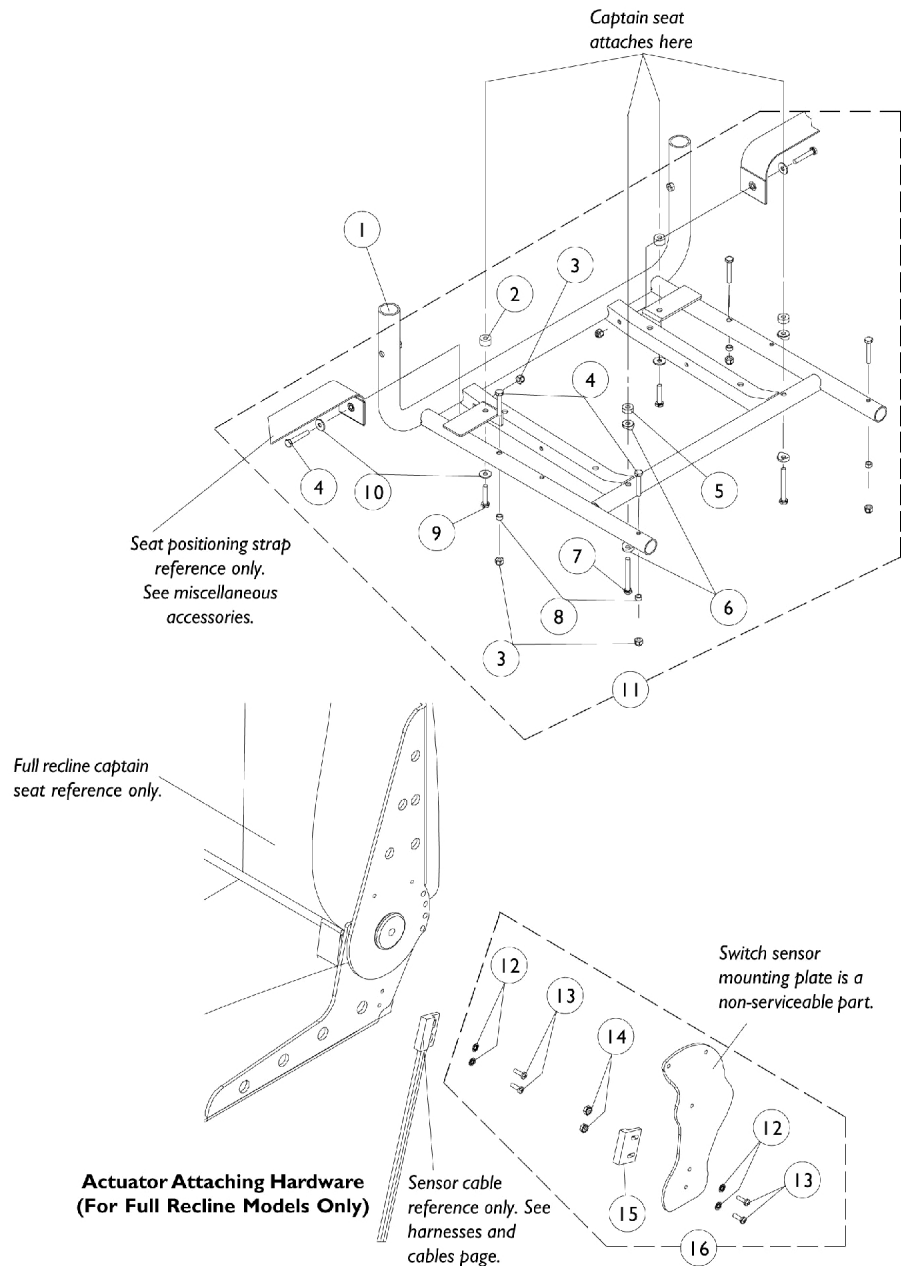
Before 11/01/01

NOTE: Low Back (L.B.) Captain Seat Description changed to Extended Back (E.B.) Captain Seat as of 10/02/00.

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1030949	Screw, Hex Head (1/4-20 x 1-1/2")	1	6
2		1026900	Washer (1/4 x 23/32 x 1/16")	1	6
3	C	1071603-NLA	NLA - Screw, Hex Head w/ Patch (M6 x 1 x 20mm)	1	4
3	A	1045267	Screw, Hex Head w/ Patch (1/4-20 x 3/4")	1	4
4		7930333	Locknut (1/4-20)	25	6
5		1026099	Spacer, Coved (1/4 x 11/16 x 1/2")	1	4
6	C	1070434-NLA	nla - Screw, Hex Head w/ Patch (M6 x 1 x 50mm)	1	2
6	A	1088898-NLA	NLA - Screw, Hex Head w/ Patch (1/4-20 x 1-3/4")	1	2
7		1047449-NLA	NLA - Spacer (1/4 x 3/8 x 3/16")	1	4
8	B,C	1070450-NLA	NLA - Hardware, Seat Attaching	1	1
8	A,B	1079208-NLA	NLA - Hardware, Captain Seat Mounting	1	1
9	D	1070455-NLA	NLA - Frame, Seat, Black (18" W)	1	1
9	E	1101913-NLA	NLA - Frame, Seat, Black (22" W)	1	1
10		1098624-NLA	NLA - Clamp, Cable	1	1
11		1024001	Sensor, Actuator Switch	1	1
12		16348X007	Rivet Washer (1/8 x 3/8 x 1/16")	1	2
13		1074128	Screw, Phillips Pan Head (#4-40 x 7/16")	1	2
14		P0870X000	Nut, Hex Keps (#4-40)	1	2
15		1025116-NLA	NLA - Screw, Slotted Hex Washer Head Tap (#4-3/8")	1	3
16		1008525-NLA	NLA - Washer, Internal Tooth Lock (#4-40)	1	3
NOTE: A - Extended back, forward folding 18" Wide and High Backs 22" Wide B - Consists of items 1-7 C - All high backs 18" wide D - Extended Back, Forward Folding and High Backs 18" Wide E - High Back 22" Wide					

Captain Seat Frame and Actuator Hardware

After 10/31/01

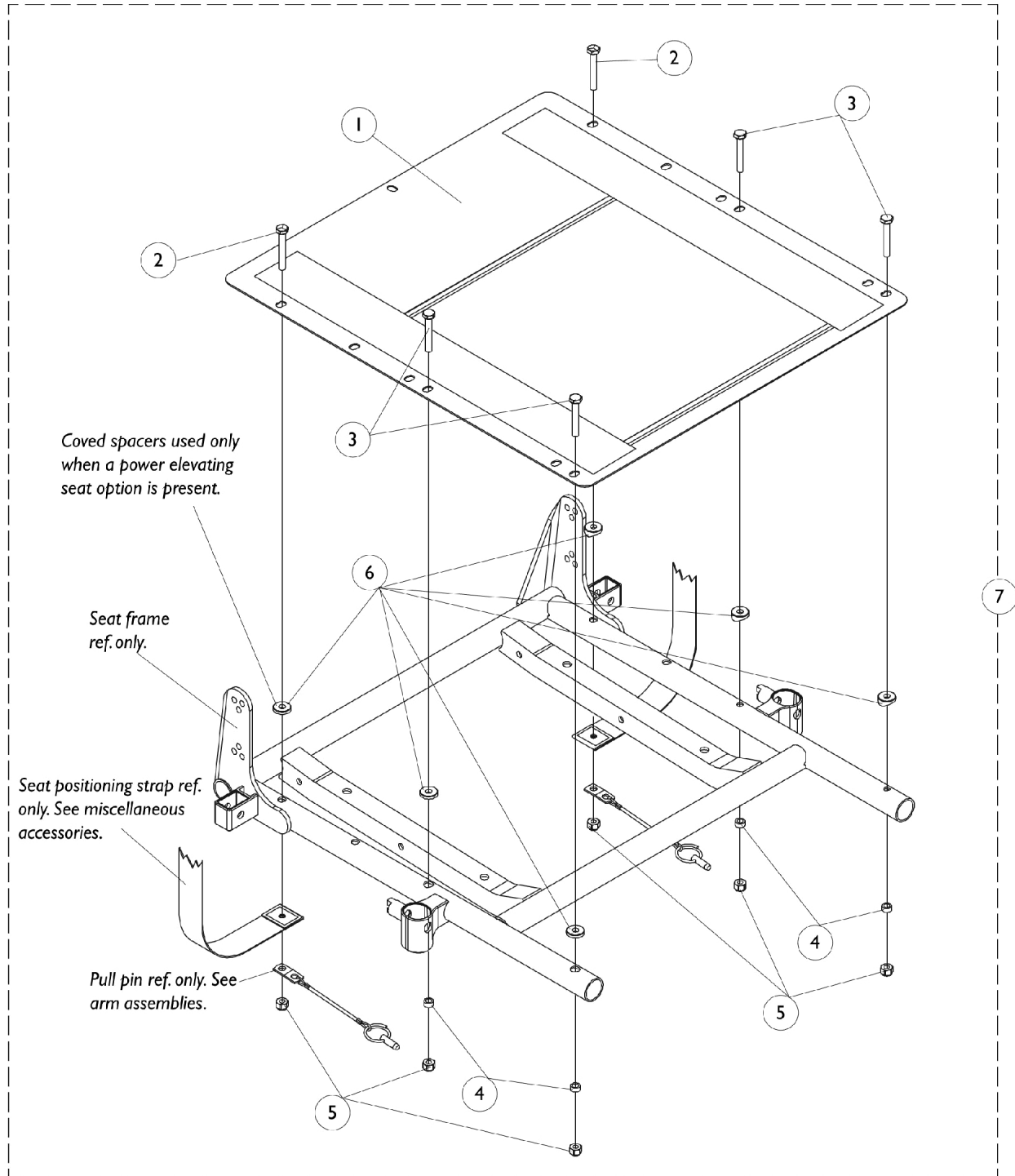


Captain Seat Frame and Actuator Hardware

After 10/31/01

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	C	1070455-NLA	NLA - Frame, Seat, Black (18" W)	1	1
1	D	1108099-NLA	NLA - Frame, Seat, Black (20" W)	1	1
1	E	1101913-NLA	NLA - Frame, Seat, Black (22" W)	1	1
2		1108411-NLA	NLA - Spacer (1/4 x 5/8 x 3/8")	1	2
3		7930333	Locknut (1/4-20)	25	6
4		1030949	Screw, Hex Head (1/4-20 x 1-1/2")	1	6
5		1108410	Spacer (1/4 x 5/8 x 1/4")	1	2
6		1026099	Spacer, Coved (1/4 x 11/16 x 1/2")	1	4
7		1026154-NLA	NLA - Screw, Hex Head (1/4-20 x 2-1/4")	1	2
8		1047449-NLA	NLA - Spacer (1/4 x 3/8 x 3/16")	1	4
9		1021406	Screw, Hex Head (1/4-20 x 1-1/4")	1	2
10		1026900	Washer (1/4 x 23/32 x 1/16")	1	4
11	A	1079208-NLA	NLA - Hardware, Captain Seat Mounting	1	1
12		1008525-NLA	NLA - Washer, Internal Tooth Lock (#4-40)	1	4
13		7930339-NLA	NLA - Package, Screw, Phillips Pan Head (#4-40 x 3/8")	25	4
14		P0870X000	Nut, Hex Keps (#4-40)	1	2
15		1024001	Sensor, Actuator Switch	1	1
16	B	1107242-NLA	NLA - Hardware, Actuator Switch Sensor Mounting	1	1
NOTE: A - Includes items 2-10 B - Includes items 12-15 C - 18" Wide D - 20" Wide E - 22" Wide					

Seat Pan and Attaching Hardware



Seat Pan and Attaching Hardware

#1 Adult Seat Pan

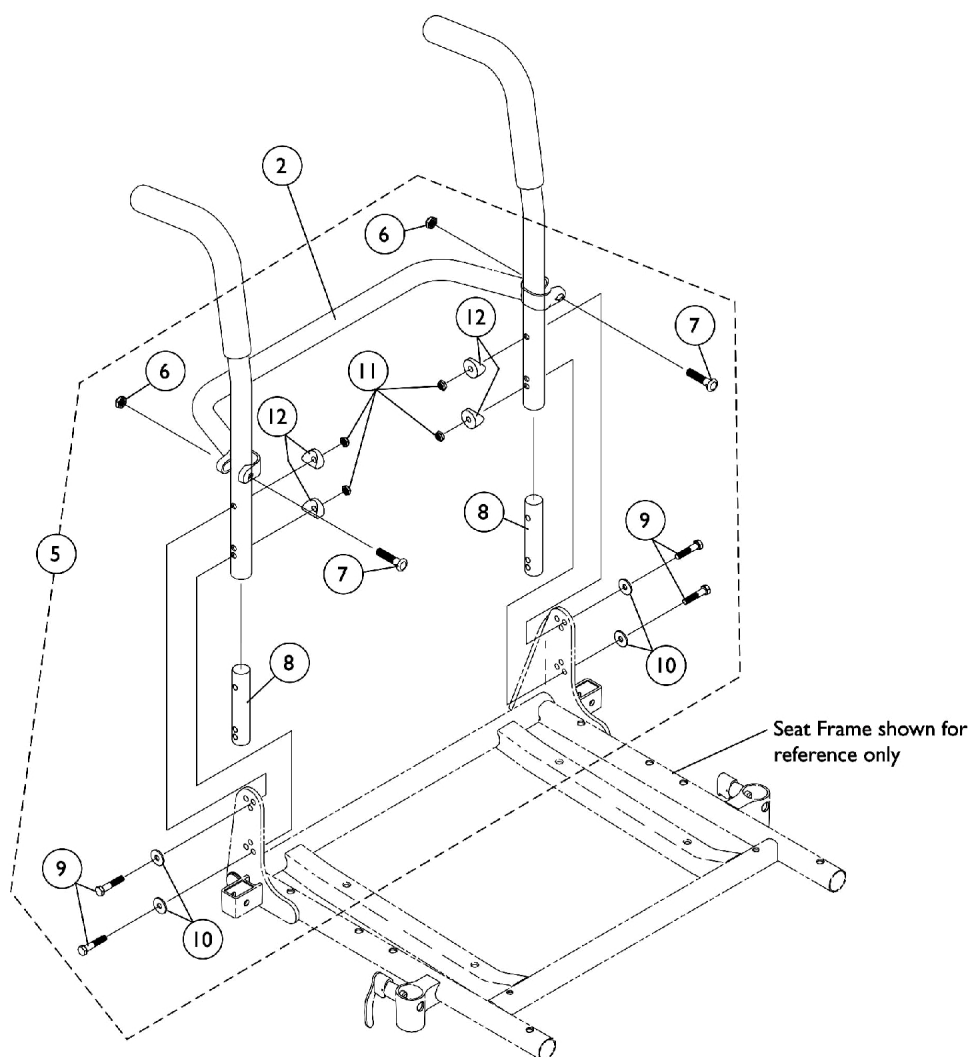
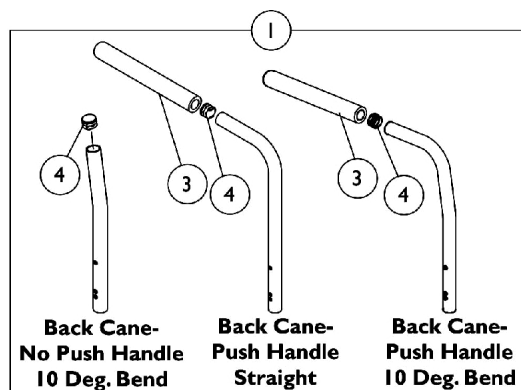
Width	16" Depth	17" Depth	18" Depth	19" Depth	20" Depth	21" Depth	22" Depth
16" W	1066013-NLA	1066024	1066035-NLA	1066046-NLA	1066057-NLA	1066068-NLA	1066079-NLA
17" W	1066014-NLA	1066025-NLA	1066036-NLA	1066047-NLA	1066058-NLA	1066069-NLA	1066080-NLA
18" W	1066015-NLA	1066026	1066037-NLA	1066048-NLA	1066059-NLA	1066070-NLA	1066081-NLA
19" W	1066016-NLA	1066027-NLA	1066038-NLA	1066049-NLA	1066060	1066071-NLA	1066082-NLA
20" W	1066017-NLA	1066028-NLA	1066039-NLA	1066050-NLA	1066061-NLA	1066072-NLA	1066083-NLA
21" W	1066018-NLA	1066029-NLA	1066040-NLA	1066051-NLA	1066062-NLA	1066073-NLA	1066084-NLA
22" W	1066019-NLA	1066030-NLA	1066041-NLA	1066052-NLA	1066063-NLA	1066074-NLA	1066085-NLA
23" W	1066020-NLA	1066031-NLA	1066042-NLA	1066053-NLA	1066064-NLA	1066075-NLA	1066086-NLA
24" W	1066021-NLA	1066032-NLA	1066043-NLA	1066054-NLA	1066065-NLA	1066076-NLA	1066087-NLA

Seat Pan and Attaching Hardware

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	B	See Chart	Item #1 Adult Seat Pan	1	1
7		1070459-NLA	NLA - Kit, Seat Pan Mounting Hardware	1	1
2			Screw, Hex Head (1/4-20 x 1-5/8")	1	2
3			Screw, Hex Head (1/4-20 x 1-1/2")	1	4
4			NLA - Spacer (1/4 x 3/8 x 3/16")	1	4
5	A,C	1109336-NLA	Locknut (1/4-20)	1	6
7			Kit, Seat Pan Mounting Hardware	1	1
2			NLA - Screw, Hex Head (1/4-20 x 1-3/4")	1	2
3			Screw, Hex Head (1/4-20 x 1-5/8")	1	4
4			NLA - Spacer (1/4 x 3/8 x 3/16")	1	4
5			Locknut (1/4-20)	1	6
6			Spacer, Coved (1/4 x 11/16 x 1/2")	1	6
NOTE: A - Hardware used when a power elevating seat option is present. B - Includes items 2-5 C - Includes items 2-6					
NOTE: 12-15" seat depths are achieved by using C.J back cane mounting hardware.					

Back Canes, Spreader Bars and Attaching Hardware

NOTE: Chairs manufactured with a seat width, seat depth or back height of 20" and greater including all user weight selections (U400) will be equipped with a spreader bar standard.



Back Canes, Spreader Bars and Attaching Hardware

NOTE: Chairs manufactured with a seat width, seat depth or back height of 20" and greater including all user weight selections (U400) will be equipped with a spreader bar standard.

Item Number	Note	Part Number	Description	Quantity Per		
				Package	Assembly	
1	A	See Chart	#1 Back Cane Assemblies	1	2	
2		See Chart	#2 Spreader Bar	1	1	
3		1135506	Package, Foam Hand Grip (9" L)	10	1	
4		1130582	Package, Plug Button, Black (7/8")	10	1	
5		1070457-NLA	NLA - Kit, Back Cane Attaching Hardware	2	1	
6			Locknut (5/16-24)	1	2	
7			Screw w/ Lug (5/16-24 x 1-3/8")	1	2	
8			Insert, Non-Threaded Back Cane (For Back Heights 20" and Lower)	1	2	
9			Screw, Hex Head (1/4-20 x 1-5/8")	1	4	
10			Washer (1/4 x 23/32 x 1/16")	1	4	
11			Locknut (1/4-20)	1	4	
12			Spacer, Coved (1/4 x 11/16 x 1/2")	1	4	
5	B	1070458-NLA	NLA - Kit, Back Cane Attaching Hardware	2	1	
6			Locknut (5/16-24)	1	2	
7			Screw w/ Lug (5/16-24 x 1-3/8")	1	2	
8			NLA - Insert, Non-Threaded Back Cane (For Back Heights 21" and Higher)	1	2	
9			Screw, Hex Head (1/4-20 x 1-5/8")	1	4	
10			Washer (1/4 x 23/32 x 1/16")	1	4	
11			Locknut (1/4-20)	1	4	
12			Spacer, Coved (1/4 x 11/16 x 1/2")	1	4	
NOTE: A - Includes items 6-12 and used for 16-20" high back canes						
B - Includes items 6-12 and used for 21-24" high back canes						

Back Canes, Spreader Bars and Attaching Hardware

NOTE: Chairs manufactured with a seat width, seat depth or back height of 20" and greater including all user weight selections (U400) will be equipped with a spreader bar standard.

#1 Back Cane Assemblies

Back Height	Back Cane- No Push Handle 10 Deg. Bend	Back Cane- Push Handle Straight	Back Cane- Push Handle 10 Deg. Bend
16"	1048992-NLA	1048558	1045575
17"	1048993-NLA	1048559	1045576
18"	1048994-NLA	1048560	1045577
19"	1048995-NLA	1048561	1045578
20"	1048996-NLA	1048562	1045579-NLA
21"	N/A	N/A	1052227-NLA
22"	N/A	N/A	1052230
23"	N/A	N/A	1054521-NLA
24"	N/A	N/A	1054524-NLA

NOTE: Back Cane Assemblies include Foam Grips and Plug Buttons where shown

#2 Spreader Bar

Chair Width	Part Number
16"	1043873
17"	1043874
18"	1043875
19"	1043876
20"	1043877
21"	1043878-NLA
22"	1043879-NLA
23"	1043880-NLA
24"	1043881-NLA

Back Upholstery

Nylon

NOTE: Dual liner back upholstery is used with chairs that have a seat deeper than 17" or back wider than 18".

Single Liners

Width	16-17" High	18-19" High	20" High	21-22" High	23-24" High
16" W	1045175	1045207	1068947	1045159	1054529
17" W	1045176	1045208	1068948	1045160	1054530
18" W	1045177	1045209	1068949	1045161	1054531

Dual Liners

Width	16-17" High	18-19" High	20" High	21-22" High	23-24" High
16" W	1045180	1045212	1068952	1045164	1054534
17" W	1045181	1045213	1068953	1045165	1054535
18" W	1045182	1045214	1068954	1045166	1054536
19" W	1045183	1045215	1068955	1045167	1054537
20" W	1045184	1045216	1068956	1045168	1054538
21" W	1045185	1045217	1068957	1045169	1054539
22" W	1045186	1045218	1068958	1045170	1054540
23" W	1045187-NLA	1045219-NLA	1068959-NLA	1045171-NLA	1054541-NLA
24" W	1045188-NLA	1045220-NLA	1068960-NLA	1045172-NLA	1054542-NLA

Back Upholstery Nylon

**NOTE: Dual liner back upholstery is used with chairs that have a seat deeper than 17"
or back wider than 18".**

Back Upholstery Hardware	1026298
Consists of:	
2 each	Screw w/ Washer (#10 x 7/8")
2 each	Tie Wrap (11-1/2" L)

Back Upholstery

Vinyl

Use Nylon Upholstery as a replacement for Vinyl selections that are No Longer Available.

NOTE: Specify upholstery color when ordering, see page titled "Frame Finish, Touch-Up Paints and Upholstery Options".

NOTE: Dual liner back upholstery is used with chairs that have a seat deeper than 17" or back wider than 18".

Single Liners

Width	16-17" High	18-19" High	20" High	21-22" High	23-24" High
16" W	8881045078-NLA	8881045062-NLA	8881068963-NLA	8881045127-NLA	8881054545-NLA
17" W	8881045079-NLA	8881045063-NLA	8881068964-NLA	8881045128-NLA	8881054546-NLA
18" W	8881045080-NLA	8881045064-NLA	8881068965-NLA	8881045129-NLA	8881054547-NLA

Dual Liners

Width	16-17" High	18-19" High	20" High	21-22" High	23-24" High
16" W	8881045083-NLA	8881045067-NLA	8881068968-NLA	8881045132-NLA	8881054550-NLA
17" W	8881045084-NLA	8881045068-NLA	8881068969-NLA	8881045133-NLA	8881054551-NLA
18" W	8881045085-NLA	8881045069-NLA	8881068970-NLA	8881045134-NLA	8881054552-NLA
19" W	8881045086-NLA	8881045070-NLA	8881068971	8881045135-NLA	8881054553-NLA
20" W	8881045087-NLA	8881045071-NLA	8881068972-NLA	8881045136-NLA	8881054554-NLA
21" W	8881045088-NLA	8881045072-NLA	8881068973-NLA	8881045137-NLA	8881054555-NLA
22" W	8881045089-NLA	8881045073-NLA	8881068974-NLA	8881045138-NLA	8881054556-NLA
23" W	8881045090-NLA	8881045074-NLA	8881068975-NLA	8881045139-NLA	8881054557-NLA
24" W	8881045091-NLA	8881045075-NLA	8881068976-NLA	8881045140-NLA	8881054558-NLA

Back Upholstery Vinyl

Use Nylon Upholstery as a replacement for Vinyl selections that are No Longer Available.

NOTE: Specify upholstery color when ordering, see page titled "Frame Finish, Touch-Up Paints and Upholstery Options".

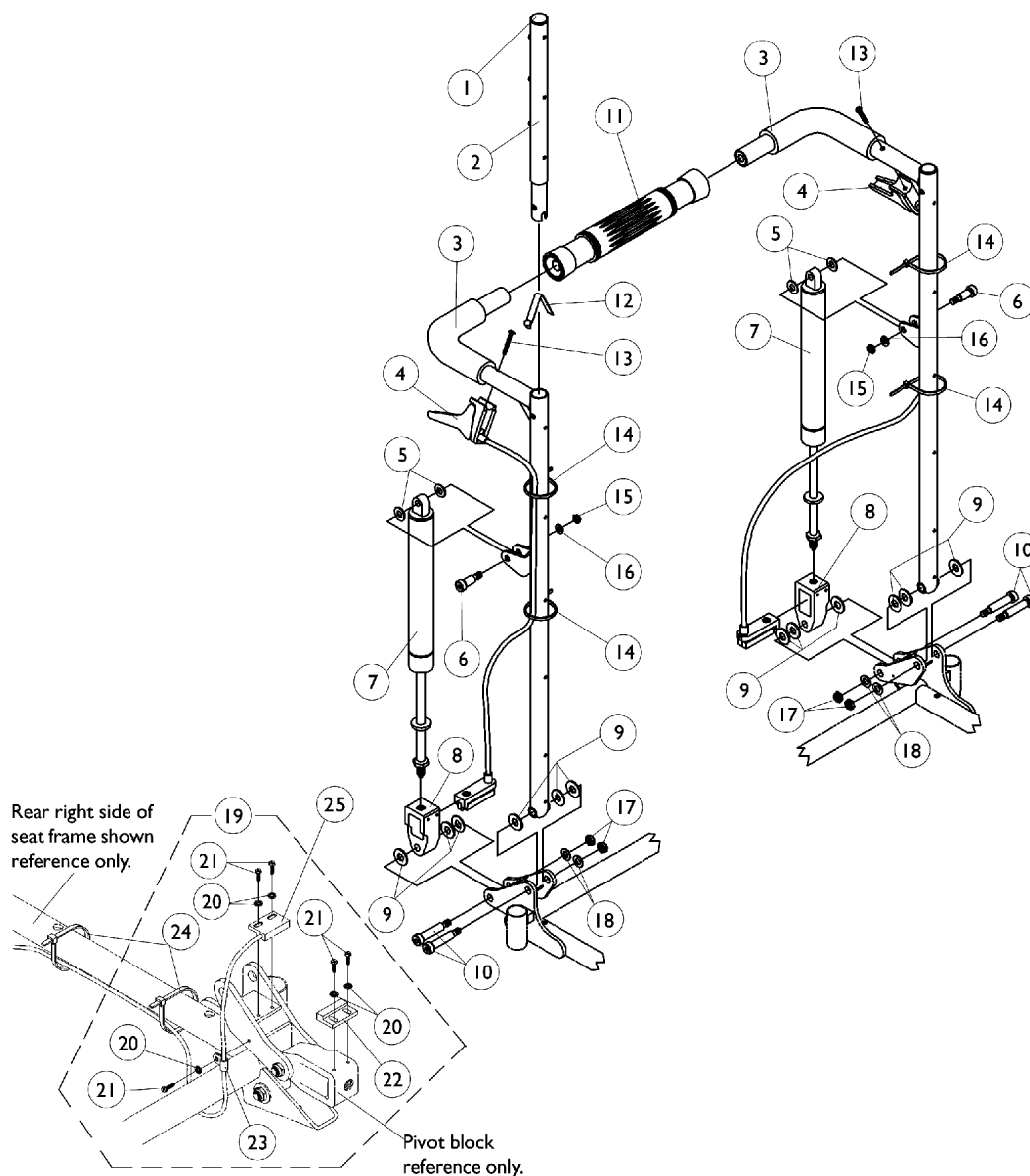
NOTE: Dual liner back upholstery is used with chairs that have a seat deeper than 17" or back wider than 18".

Back Upholstery Hardware	1026298
Consists of:	
2 each	Screw w/ Washer (#10 x 7/8")
2 each	Tie Wrap (11-1/2" L)

Recliner Back Assembly

NOTE: When converting a non-recliner to a manual recliner, consider the following:

- 1) RII controller w/ dual power connectors and a sensor cable must be used together.
- 2) MKIV Quad Pulse controller and a sensor cable part number must be used together.



Limit Switch Assembly

NOTE: Sensor actuator used with a recliner harness and sensor cable to serve as a drive lockout safety feature.

Recliner Back Assembly

NOTE: When converting a non-recliner to a manual recliner, consider the following:

- 1) RII controller w/ dual power connectors and a sensor cable must be used together.
- 2) MKIV Quad Pulse controller and a sensor cable part number must be used together.

Back Cane with Grip

Back Height	16-17" Wide Right	16-17" Wide Left	18-24" Wide Right	18-24" Wide Left
18" H	1052079	1052080	1052089	1052090
20" H	1052081	1052082	1052091	1052092
22" H	1052083	1052084	1052093	1052094
24" H	1052085	1052086	1052095	1052096
26" H	1052087	1052088	1052097	1052098

Recliner Back Assembly

NOTE: When converting a non-recliner to a manual recliner, consider the following:

- 1) RII controller w/ dual power connectors and a sensor cable must be used together.
- 2) MKIV Quad Pulse controller and a sensor cable part number must be used together.

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1027095	Plug Button, Black (7/8")	1	2
2		1052997-NLA	NLA - Headrest Tube Assembly, Black - Right	1	1
2		1052998-NLA	NLA - Headrest Tube Assembly, Black - Left	1	1
3	B	See Chart	Item #3 Back Cane with Grip	1	2
4	C	1050214	Cable with Trigger	1	1
4	D	1050215	Cable with Trigger	1	1
4	E	1050216	Cable with Trigger	1	1
5		1026032	Washer, Nylon (11/32 x 11/16 x 1/16")	1	4
6		1050153	Screw, Shoulder Hex Socket Head (5/16 x 7/8", 1/4-20)	1	2
7		1050154	Cylinder, Lock, Recline	1	2
7		1050306	Cylinder, Lock	1	2
8		1050136	Pivot, Block	1	2
9		1012371	Washer, Nylon (3/8 x 7/8 x 1/16")	1	2
10		1031665	Screw, Shoulder Hex Socket Head (3/8 x 1-1/2", 5/16-18)	1	2
11	F	1050293	Bar, Spreader, Black (14-20" W)	1	8
11	G	1050294	Bar, Spreader, Black (21-24" W)	1	4
12		1024713	Spring, Torsion w/ Button	1	1
13		1091417-NLA	NLA - Screw, Phillips Pan Head (#10-24 x 1-1/4")	1	2
14	A	1095503-NLA	NLA - Package, Tie Wrap (5-5/8" L)	10	1
15		7930333	Locknut (1/4-20)	25	2
16		1026907	Washer (1/4 x 1/2 x 1/16")	1	2
17		1026158	Locknut (5/16-18)	1	4
18		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	4
19	A	1053178-NLA	NLA - Switch Assembly, Limit	1	1
20		1008525-NLA	NLA - Washer, Internal Tooth Lock (#4-40)	1	5
21		1025116-NLA	NLA - Screw, Slotted Hex Washer Head Tap (#4-3/8")	1	5
22		1024001	Sensor, Actuator Switch	1	1
23		1050310-NLA	NLA - Clamp, Cable	1	1
24		1021260	Tie Wrap (5-5/8" L)	1	2
25		1092913-NLA	NLA - Cable, Drive Lockout Sensor	1	1
NOTE: A - Includes items 20-24. Sensor cable is not included, see item 25 B - See chart titled "Back Cane with Grip". C - 26" High Canes D - 22-24" High Canes E - 18 and 20" High Canes F - 16-17" Wide G - 18-24" Wide					

Recliner Back Upholstery

Nylon

Single Liners

Width	18" High	20" High	22" High	24" High	26" High
16" W	1050314	1050319	1050324	1050329	1050334
17" W	1050315	1050320	1050325	1050330	1050335-NLA
18" W	1050316	1050321	1050326	1050331	1050336

Dual Liners

Width	18" High	20" High	22" High	24" High	26" High
16" W	1050339	1050350	1050361	1050372	1050383
17" W	1050340	1050351	1050362	1050373	1050384
18" W	1050341	1050352	1050363	1050374	1050385
19" W	1050342	1050353	1050364	1050375	1050386
20" W	1050343	1050354	1050365	1050376	1050387
21" W	1050344	1050355	1050366	1050377	1050388
22" W	1050345	1050356	1050367	1050378	1050389
23" W	1050346-NLA	1050357-NLA	1050368-NLA	1050379-NLA	1050390-NLA
24" W	1050347-NLA	1050358-NLA	1050369-NLA	1050380-NLA	1050391-NLA

NOTE: Dual liner back upholstery is used with chairs that have a seat deeper than 17" or back wider than 18".

Recliner Back Upholstery Nylon

Back Upholstery Hardware	1027059
Consists of:	
10 each	Screw w/ Washer (#10 x 7/8")

Recliner Back Upholstery

Vinyl

Use Nylon Upholstery as a replacement for Vinyl selections that are No Longer Available.

Single Liners

Width	18" High	20" High	22" High	24" High	26" High
16" W	8881050563-NLA	8881050568-NLA	8881050573-NLA	8881050578-NLA	8881050583-NLA
17" W	8881050564-NLA	8881050569-NLA	8881050574-NLA	8881050579-NLA	8881050584-NLA
18" W	8881050565-NLA	8881050570-NLA	8881050575-NLA	8881050580-NLA	8881050585-NLA

Dual Liners

Width	18" High	20" High	22" High	24" High	26" High
16" W	8881050588-NLA	8881050599-NLA	8881050610-NLA	8881050621-NLA	8881050632-NLA
17" W	8881050589-NLA	8881050600-NLA	8881050611-NLA	8881050622-NLA	8881050633-NLA
18" W	8881050590-NLA	8881050601-NLA	8881050612-NLA	8881050623-NLA	8881050634-NLA
19" W	8881050591-NLA	8881050602-NLA	8881050613-NLA	8881050624-NLA	8881050635-NLA
20" W	8881050592-NLA	8881050603-NLA	8881050614-NLA	8881050625-NLA	8881050636-NLA
21" W	8881050593-NLA	8881050604-NLA	8881050615-NLA	8881050626-NLA	8881050637-NLA
22" W	8881050594-NLA	8881050605-NLA	8881050616-NLA	8881050627-NLA	8881050638-NLA
23" W	8881050595-NLA	8881050606-NLA	8881050617-NLA	8881050628-NLA	8881050639-NLA
24" W	8881050596-NLA	8881050607-NLA	8881050618-NLA	8881050629-NLA	8881050640-NLA

NOTE: Specify upholstery color when ordering, see page titled "Frame Finishes, Touch-Up Paints and Upholstery Options".

NOTE: Dual liner back upholstery is used with chairs that have a seat deeper than 17" or back wider than 18".

Recliner Back Upholstery

Vinyl

Use Nylon Upholstery as a replacement for Vinyl selections that are No Longer Available.

Back Upholstery Hardware	1027059
Consists of:	
10 each	Screw w/ Washer (#10 x 7/8")

Recliner Headrest Upholstery and Pillows

Nylon Headrest 16"-24"

Chair Width	Part Number
16" W	1054628-NLA
17" W	1055281-NLA
18" W	1054629-NLA
19" W	1055282-NLA
20" W	1055283-NLA
21" W	1055284-NLA
22" W	1055285-NLA
23" W	1055286-NLA
24" W	1055287-NLA

Vinyl Headrest 16"-24"

Chair Width	Part Number
16" W	8881054631
17" W	8881055289
18" W	8881054632-NLA
19" W	8881055290-NLA
20" W	8881055291-NLA
21" W	8881055292
22" W	8881055293
23" W	8881055294
24" W	8881055295

NOTE: Specify upholstery color when ordering, see page titled " Frame Finishes, Touch-Up Paints and Upholstery Options".

Recliner Headrest Upholstery and Pillows

Back Upholstery Hardware	1030441
Consists of:	
6 each	Screw with Washer (10 x 7/8")

Headrest Pillows - Vinyl

Chair Width	16" - 18" W	19" - 22" W	23" - 24" W
Part Number	8881054619-NLA	8881054623	8881055277-NLA

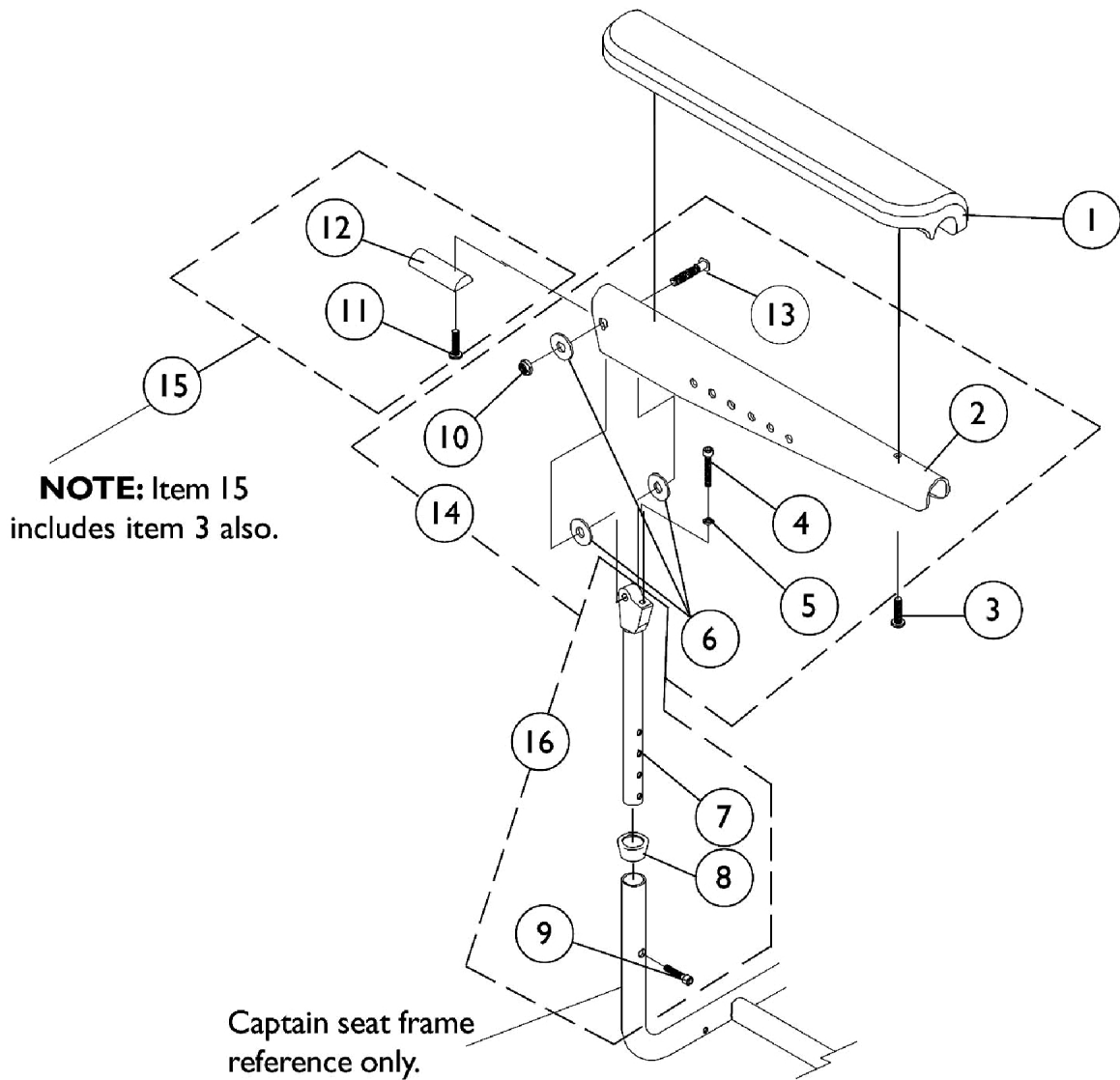
NOTE: Specify upholstery colors when ordering, see page titled "Frame Finishes, Touch-Up Paints and Upholstery Options".

Headrest Pillows - Nylon

Chair Width	16" - 18" W	19" - 22" W	23" - 24" W
Part Number	1054896	1054598	1055274-NLA

Captain Seat Arms and Hardware

18" Wide Models

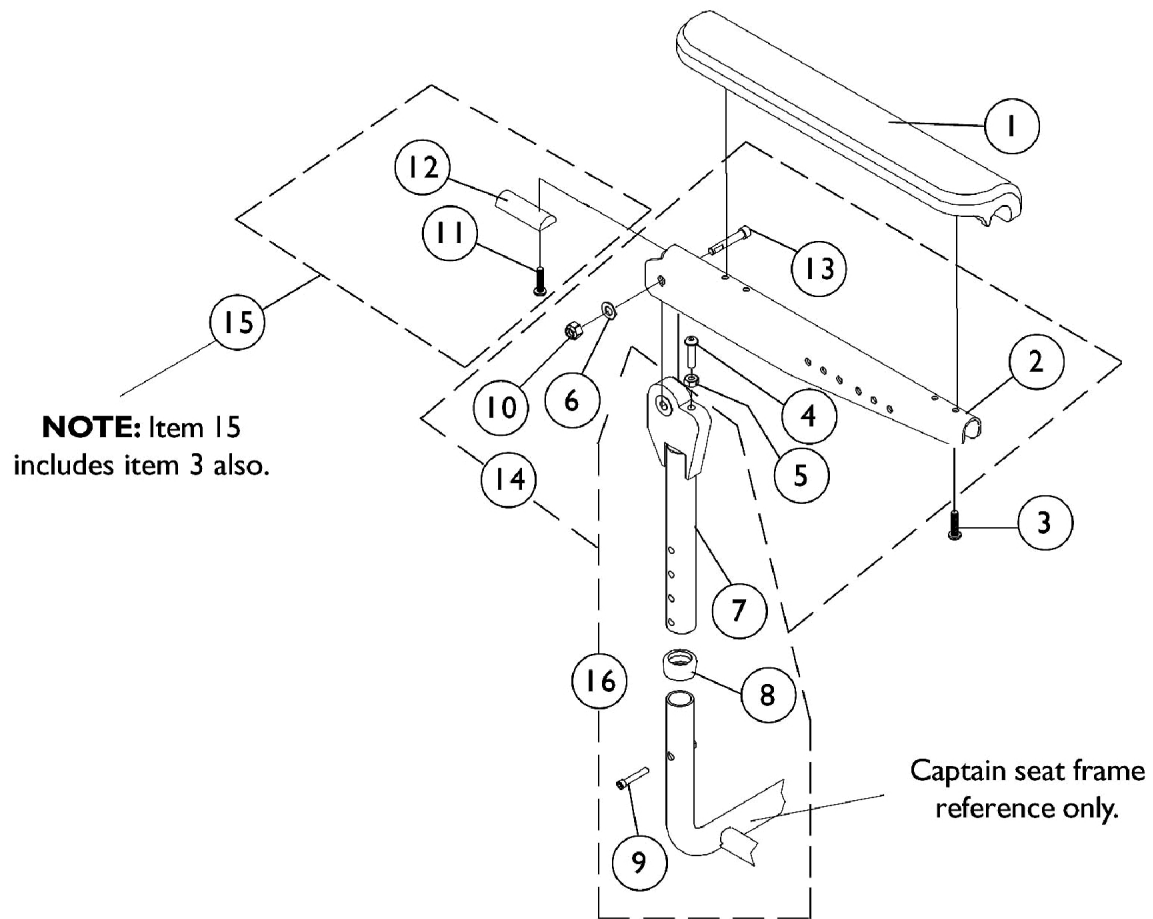


Captain Seat Arms and Hardware 18" Wide Models

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1117328	Kit, Arm Pad w/ Screws, Full Length, Urethane Waterfall, Black (13" L x 2-5/8" W)	1	2
2		1071359-NLA	NLA - Plate, Armrest (Black)	1	2
3		1028755	Screw, Phillips Pan Head (#10-32 x 5/8")	1	4
4		1009837	Screw, Socket Button Head (1/4-20 x 1")	1	2
5		1025711-NLA	NLA - Nut, Hex (1/4-20)	1	2
6		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	6
7		1070928	Tube, Arm, Upper Height and Width Adjustable, Black	1	2
8		15680X013	Anti-Rattle (1")	1	2
9		7930304-NLA	NLA - Screw, Socket Head (1/4-20 x 1-1/4")	25	2
10		1026906-NLA	NLA - Locknut (5/16-24)	1	2
11		1102546-NLA	NLA - Screw, Phillips Pan Head (#10-32 x 7/8")	1	2
12		1070106-NLA	NLA - Insert, Armrest, Black	1	2
13		1031026	Screw w/ Lug (5/16-24 x 1-3/8")	1	2
14	B	1074120-NLA	NLA - Kit, Armrest Attaching Hardware (Pair)	2	1
15	C	1073378-NLA	NLA - Kit, Arm Pad Attaching Hardware	2	1
16	D	1070756-NLA	NLA - Arm Tube Assembly, Upper Adjustable (Pair)	2	1
NOTE: A - As of 1/3/02 upholstered waterfall armpads were replaced with black urethane waterfall armpads. Order in pairs for chairs manufactured before 1/3/02. B - Includes items 2, 4, 5, 6, 10, 13 C - Includes items 3, 11, 12 D - Includes items 7-9					

Captain Seat Arms and Hardware

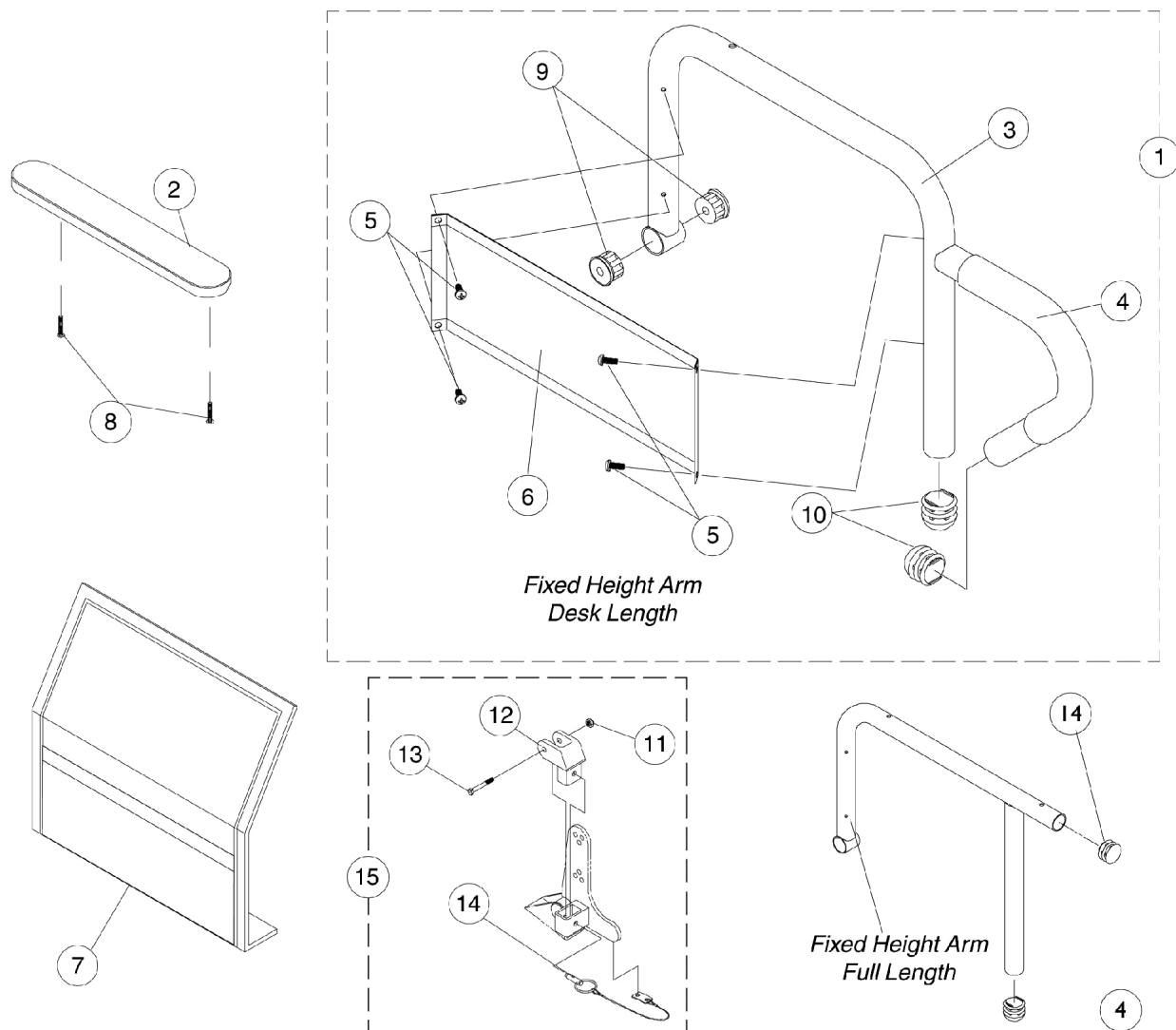
20" and 22" Wide Models



Captain Seat Arms and Hardware 20" and 22" Wide Models

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1117328	Kit, Arm Pad w/ Screws, Full Length, Urethane Waterfall, Black (13" L x 2-5/8" W)	1	2
2		1101912-NLA	NLA - Plate, Armrest	1	2
3		1028755	Screw, Phillips Pan Head (#10-32 x 5/8")	1	2
4		1009837	Screw, Socket Button Head (1/4-20 x 1")	1	2
5		1025711-NLA	NLA - Nut, Hex (1/4-20)	1	2
6		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	2
7		1101914-NLA	NLA - Tube, Arm, Upper Adjustable, Black	1	2
8		1101110-NLA	NLA - Anti-Rattle	1	2
9		1038379	Screw, Socket Head Cap w/ Patch (1/4-20 x 1-1/2")	1	2
10		1026906-NLA	NLA - Locknut (5/16-24)	1	2
11		1102546-NLA	NLA - Screw, Phillips Pan Head (#10-32 x 7/8")	1	2
12		1101634-NLA	NLA - Insert, Armrest, Black	1	2
13		1031026	Screw w/ Lug (5/16-24 x 1-3/8")	1	2
14	B	1101917-NLA	NLA - Hardware, Armrest Attaching (Pair)	2	1
15	C	1101916-NLA	NLA - Hardware, Arm Pad Attaching (Pair)	2	1
16	D	1101915-NLA	NLA - Arm Tube Assembly, Upper Adjustable (Pair)	2	1
NOTE: A - As of 1/3/02 upholstered waterfall armpads were replaced with black urethane waterfall armpads. Order in pairs for chairs manufactured before 1/3/02. B - Includes items 2, 4, 5, 6, 10, 13 C - Includes items 3, 11, 12 D - Includes items 7-9					

Arms, Fixed Height



Arms, Fixed Height

#1 Arms Less Pads

16"-19" Deep Seat Frames

Arm Style	Right	Left
Desk Length	1068566-NLA	1068567-NLA
Full Length	1068559-NLA	1068560-NLA

#1 Arms Less Pad

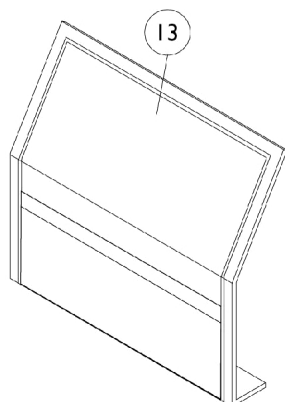
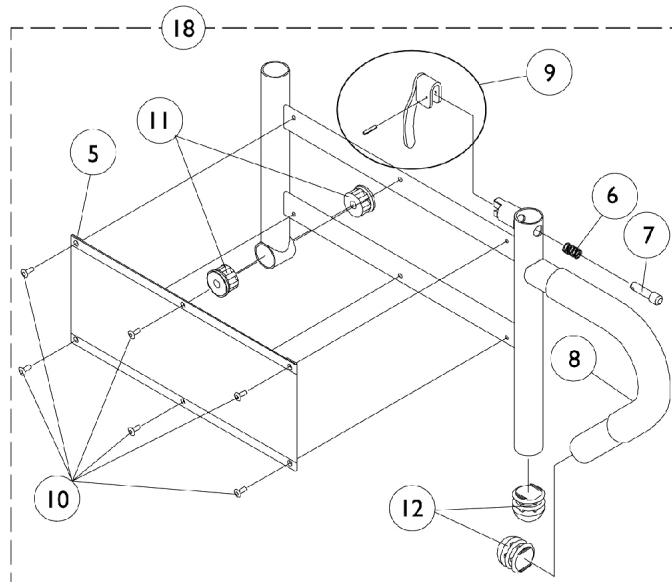
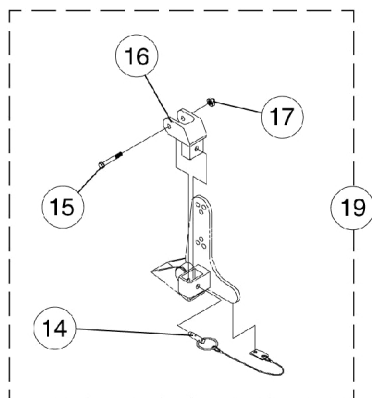
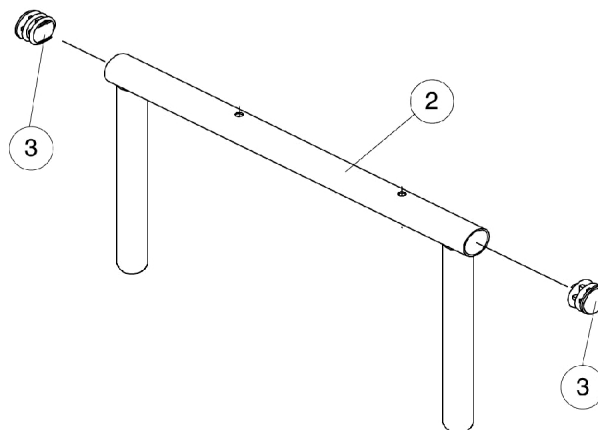
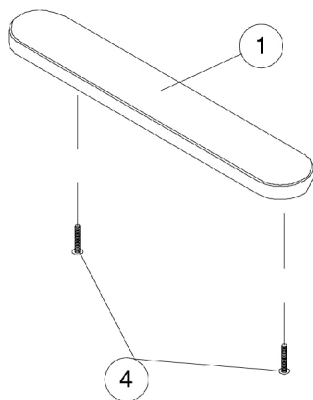
20" and Deeper Seat Frames

Arm Style	Right	Left
Desk Length	1068540-NLA	1068541-NLA
Full Length	1068528-NLA	1068529-NLA

Arms, Fixed Height

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		See Chart	Item #1 Arms Less Pad - 16"-19" Deep Seat Frames	1	1
1		See Chart	Item #1 Arms Less Pad - 20" and Deeper Seat Frames	1	1
2	A	8881015932-NL A	NLA - Pad, Arm, Vinyl, Full Length - Right (14" L x 2" W)	1	1
2	A	8881015933-NL A	NLA - Pad, Arm, Vinyl, Full Length - Left (14" L x 2" W)	1	1
2	A	8881011811-NL A	NLA - Pad, Arm, Vinyl, Desk Length (9" L x 2" W)	1	1
3		1068564	Tube, Arm, Desk Length, Black - Right (16-19" D)	1	1
3		1068565-NLA	NLA - Tube, Arm, Desk Length, Black - Left (16-19" D)	1	1
3		1068414-NLA	NLA - Tube, Arm, Desk Length, Long, Black - Right (20" and Deeper)	1	1
3		1068415-NLA	NLA - Tube, Arm, Desk Length, Long, Black - Left (20" and Deeper)	1	1
3		1068490	Tube, Arm, Full Length, Black - Right (16-19"D)	1	1
3		1068491-NLA	NLA - Tube, Arm, Full Length, Black - Left (16 - 19"D)	1	1
3		1068473-NLA	NLA - Tube, Arm, Full Length, Long, Black - Right (20" and Deeper)	1	1
3		1068474-NLA	NLA - Tube, Arm, Full Length, Long, Black - Left (20" and Deeper)	1	1
4		1032244	Grip, Foam Hand (9" L)	1	1
5		1025729	Screw, Phillips Pan Head Tap (#8-32 x 3/8")	1	4
6		1035472-NLA	NLA - Guard, Clothing, Desk Length	1	1
6		1044572-NLA	NLA - Guard, Clothing, Full Length (16 - 19" D)	1	1
6		1044005-NLA	NLA - Guard, Clothing, Full Length (20" and Deeper)	1	1
7		1035065	Cover, Clothing Guard w/ Pocket, FXDESK & ADJFULL/ADJDESK	1	1
7		1044588	Cover, Clothing Guard with Pocket Fixed Height Full Length (20" and Deeper)	1	1
8		1055949	Package, Screw, Phillips Pan Head (#10-32 x 1-3/8")	2	1
9		1065936	Plug, Pivot	1	2
10		1067734	Plug Button, Black (5/8")	1	2
11		7930323-NLA	NLA - Package, Locknut (1/4-20)	25	1
12		1068025	Clevis, Pivot	1	1
13		1019590	Screw, Socket Button Head (1/4-20 x 1-5/8")	1	1
14		1068039	Pin, Pull	1	1
15	B	1068488	Kit, Swingaway Armrest Mounting Hardware	1	1
16		1027095	Plug Button, Black (7/8")	1	1
NOTE: A - Specify upholstery color when ordering. B - Includes items 11-14					

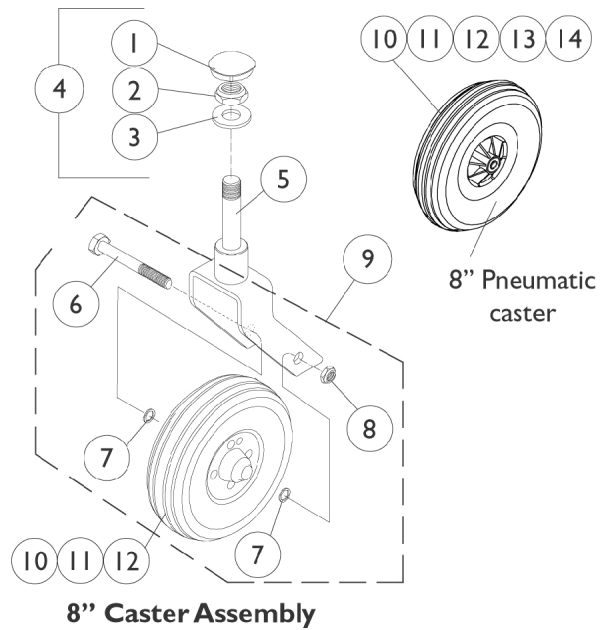
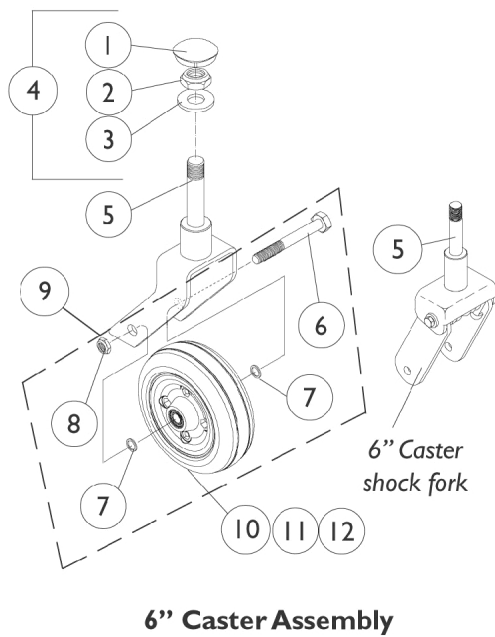
Arms, Adjustable Height



Arms, Adjustable Height

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	8881015932-NL A	NLA - Pad, Arm, Vinyl, Full Length - Right (14" L x 2" W)	1	1
1	A	8881015933-NL A	NLA - Pad, Arm, Vinyl, Full Length - Left (14" L x 2" W)	1	1
1	A	8881011811-NL A	NLA - Pad, Arm, Vinyl, Desk Length (9" L x 2" W)	1	1
2		1071253	Arm Tube Assembly w/ Plug Buttons, Full Length, Black - Right/Left	1	1
2		1070859	Arm Tube Assembly w/ Plug Buttons, Desk Length, Black - Right/Left	1	1
3		1027095	Plug Button, Black (7/8")	1	2
4		1055949	Package, Screw, Phillips Pan Head (#10-32 x 1-3/8")	2	1
5		1064130-NLA	NLA - Guard, Clothing	1	1
6		47471X074	Spring, Arm Lock	1	1
7		1028594	Pin, Arm Lock, Black	1	1
8		1032244	Grip, Foam Hand (9" L)	1	1
9		1090768	Kit, Lock Handle w/Rivets (Pair)	2	1
10		1028645	Rivet	1	6
11		1065936	Plug, Pivot	1	2
12		1067734	Plug Button, Black (5/8")	1	2
13		1035065	Cover, Clothing Guard w/ Pocket, FXDESK & ADJFULL/ADJDESK	1	1
14		1068039	Pin, Pull	1	1
15		1019590	Screw, Socket Button Head (1/4-20 x 1-5/8")	1	1
16		1068025	Clevis, Pivot	1	1
17		7930323-NLA	NLA - Package, Locknut (1/4-20)	25	1
18		1068416	Arm Base Assembly, Black - Right (16-19" D)	1	1
18		1068417	Arm Base Assembly, Black - Left (16-19" D)	1	1
18		1068418	Arm Base Assembly, Black - Right (20" and Deeper)	1	1
18		1068419	Arm Base Assembly, Black - Left (20" and Deeper)	1	1
19	B	1068488	Kit, Swingaway Armrest Mounting Hardware	1	1
NOTE: A - Specify upholstery color when ordering B - Includes items 14-17					

Casters, Rear and Hardware

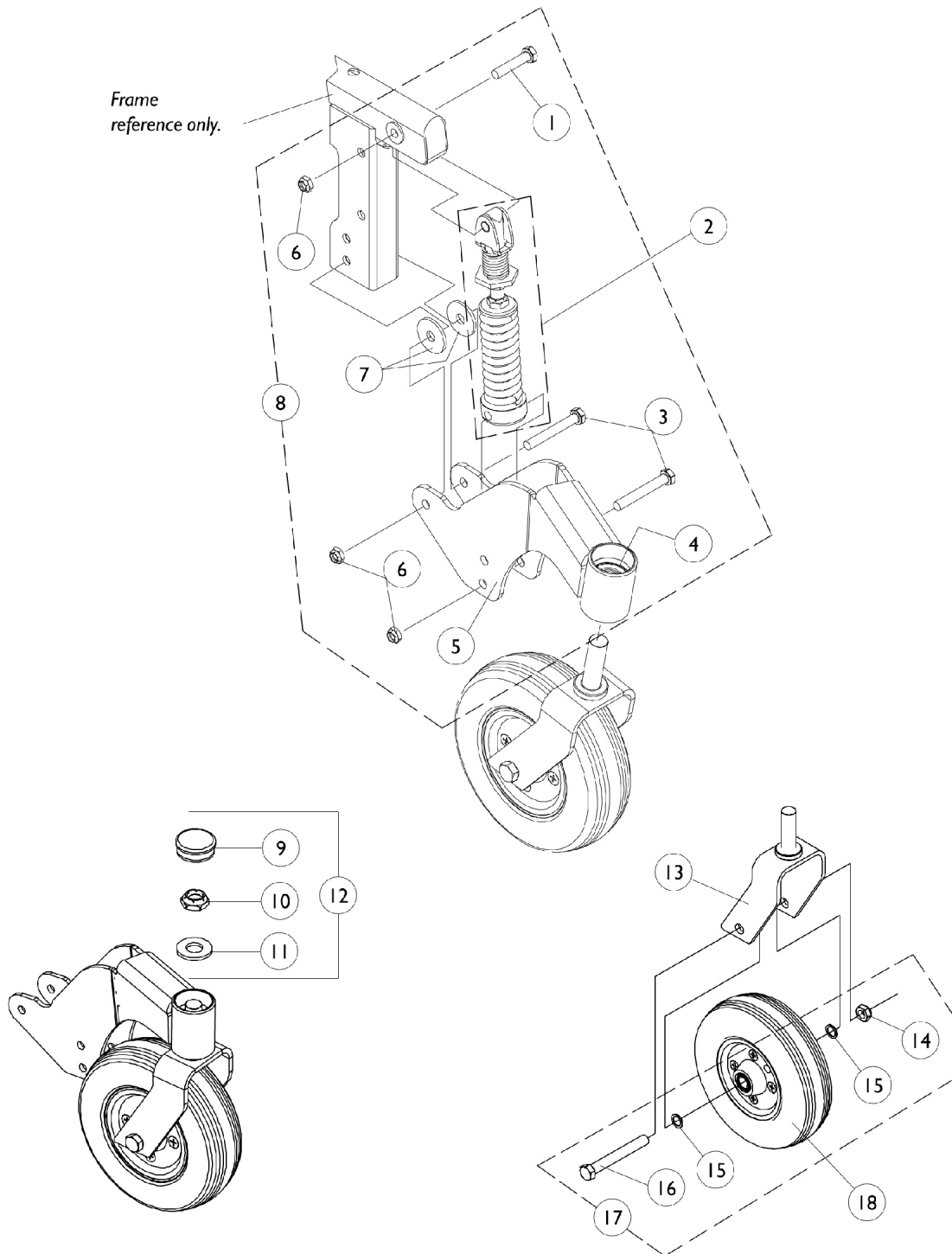


Casters, Rear and Hardware

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1056739	Plug Button, Head Tube, Black	1	1
2		1028550	Locknut (5/8-18)	1	1
3		1041444	Washer, Nylon (5/8 x 1-5/16 x 1/8")	1	1
4	B	1057949	Hardware, Fork Stem	1	1
5	A	8881071460-NL A	NLA - Fork and Stem (6" Caster)	1	1
5	A	8881071600-NL A	NLA - Fork, Caster, Shock (6")	1	1
5	A	8881058562-NL A	NLA - Fork, Caster, Standard (8")	1	1
6	D	1025726	Screw, Hex Head (7/16-20 x 3-1/4")	1	1
6	E	1058744-NLA	NLA - Screw, Hex Head (7/16-20 x 3-1/2")	1	1
7		7930329	Washer, Steel (15/32 x 5/8 x 3/64")	25	2
8		7930331-NLA	NLA - Locknut (7/16-20")	25	1
9	C,D,F	1042489	Hardware, Caster Axle	1	2
9	C,E,F	1058890-NLA	NLA - Hardware, Caster, Shock Fork (Pair)	2	1
10	G	1072014-NLA	NLA - Wheel Assembly, Semi-Pneumatic, Urethane (6" x 2")	1	1
10	H	1115179	Wheel Assembly, Semi-Pneumatic, Urethane, Deep Profile, Grey Tire/Black Hub (6" x 2")	1	1
10	H	1122066	Wheel Assembly, Semi-Pneumatic, Urethane, Deep Profile, Grey Tire/Black Hub (6" x 2") (Pair)	2	1
10		1070811	Wheel Assembly, Semi-Pneumatic, Urethane, Light Grey (8" x 1-3/4")	1	1
10		1002002	Wheel Assembly w/ Bearings, Pneumatic (8" x 2")	1	1
11		1006049	Bearing (7/16")	1	2
12		1020592	Spacer, Bearing (7/16 x 5/8 x 1-3/4")	1	1
13		40176X034	Tire, Pneumatic (8" x 2")	1	1
14		1034942	Tube, Pneumatic Inner (8 x 2")	1	1

NOTE: A - Specify option color 24P wet black when ordering
 B - Includes items 1-3
 C - Includes items 6-8
 D - Standard Fork (6") and (8")
 E - Shock Fork (6")
 F - Accommodates 1 side only.
 G - Service part No Longer Available 8/15/03. Due to product improvement, order (pair) part number 1122066 dated after 8/14/03 so each side matches. The deep profile caster has 2 tread grooves w/ round corners instead of 4 tread grooves w/ square corners.
 H - Service part after 8/14/03

Front Stabilizer Assembly

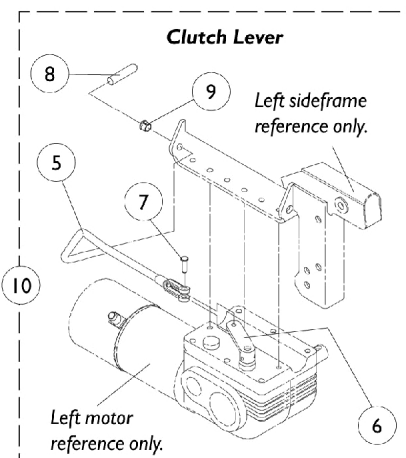
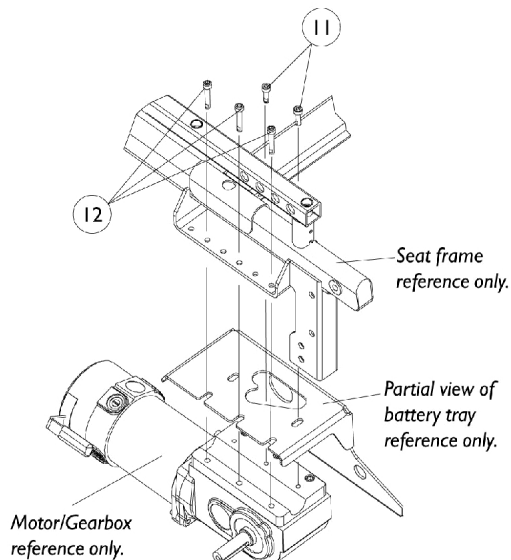
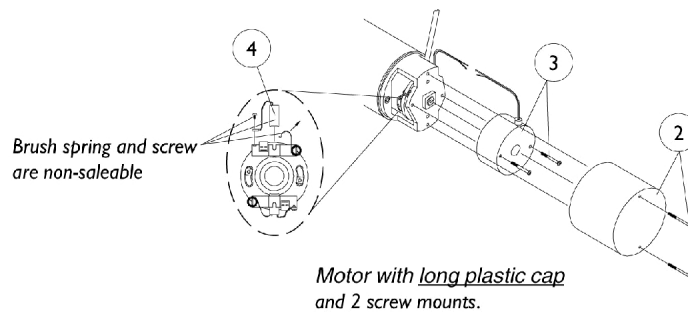
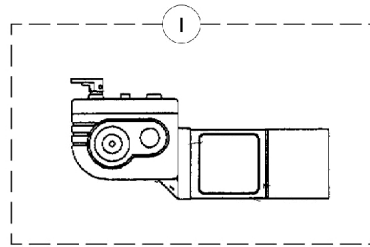


Front Stabilizer Assembly

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1028514	Screw, Hex Head (5/16-24 x 1-1/2")	1	1
2		1094630-NLA	NLA - Spring, Dual Compression Column Assembly	1	1
3		1025764	Screw, Hex Head (5/16-24 x 2-1/4")	1	2
4		40117X006	Bearing (5/8")	1	2
5		1094616-NLA	NLA - Swing Arm w/ Bearings Assembly, Black - Right	1	1
5		1094617-NLA	NLA - Swing Arm w/ Bearings Assembly, Black - Left	1	1
6		7930330-NLA	NLA - Locknut (5/16-24)	25	3
7		1071487-NLA	NLA - Washer, Nylon (23/64 x 1-15/64 x 7/64")	1	2
8	A,B	1094621-NLA	NLA - Stabilizer Assembly - Right	1	1
8	A,B	1094622-NLA	NLA - Stabilizer Assembly - Left	1	1
8	A,C	1094624-NLA	NLA - Stabilizer Assembly, One Piece Footboard - Right	1	1
8	A,C	1094625-NLA	NLA - Stabilizer Assembly, One Piece Footboard - Left	1	1
9		1056739	Plug Button, Head Tube, Black	1	1
10		1028550	Locknut (5/8-18)	1	1
11		1041444	Washer, Nylon (5/8 x 1-5/16 x 1/8")	1	1
12	D	1057949	Hardware, Fork Stem	1	1
13		1094607-NLA	NLA - Fork Assembly (7")	1	1
14		7930331-NLA	NLA - Locknut (7/16-20")	1	1
15		7930329	Washer, Steel (15/32 x 5/8 x 3/64")	25	1
16		1025726	Screw, Hex Head (7/16-20 x 3-1/4")	25	2
17	E	1042489	Hardware, Caster Axle	1	2
18	F	1094620-NLA	NLA - Wheel Assembly (7" x 2")	1	1
18		1094618	Tire, Urethane, Grey (7" x 2")	1	1
18		1062845-NLA	NLA - Kit, Rim w/ Hardware (Pair)	1	1
18		1020592	Spacer, Bearing (7/16 x 5/8 x 1-3/4")	1	1
18		1006049	Bearing (7/16")	1	2
NOTE: A - Item number 2 not included B - Includes items 1 and 3-7 C - Includes items 3-7 D - Includes items 9-11 E - Includes items 14-16 to accommodate 1 side only. F - Part numbers 1094618, 1062845, 1020592, and 1006049 are available for individual sale.					

2-Pole Motor and Gearboxes

NOTE: MWD-R motor/gearbox is also used as a RWD-L motor/gearbox is used as a RWD-R. The part numbers are already switched around respectively for this MWD page.



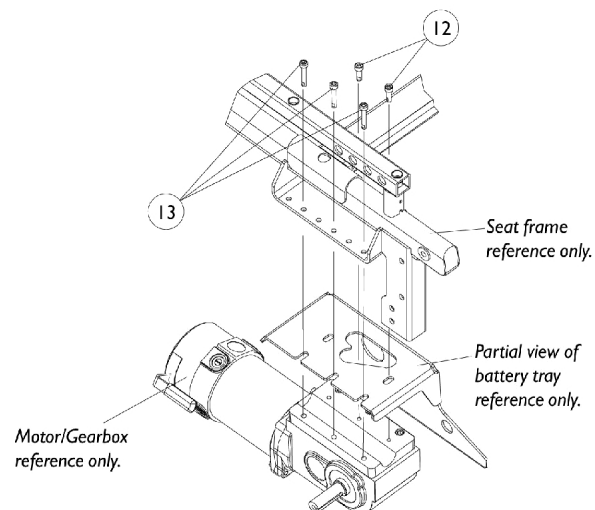
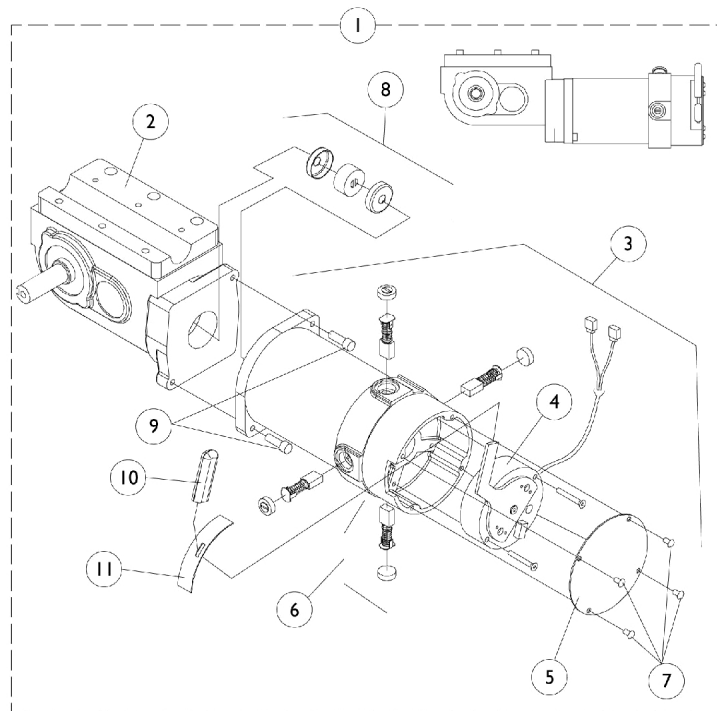
2-Pole Motor and Gearboxes

NOTE: MWD-R motor/gearbox is also used as a RWD-L motor/gearbox is used as a RWD-R. The part numbers are already switched around respectively for this MWD page.

Item Number	Part Description	250 lb. Limit (Before 1/08/01) or W.S.T. 200 lb. Limit (Before 1/08/01)	250-S Models
1.	Motor/Gearbox Assembly Right	1071593-NLA See Note(s) A, A1	1071593-NLA
1.	Motor/Gearbox Assembly Left	1071594-NLA See Note(s) A1, A	1071594-NLA
2.	Brake Repair Kit	1055872-NLA See Note(s) A1, A	1055872-NLA
3.	Brake Cover w/ Screws (Pair)	1038361-NLA See Note(s) C, A, A1	1038361-NLA See Note(s) C
4.	Brushes w/o Cap (Pair)	561-005-NLA See Note(s) A, A1	561-005-NLA
5.	Clutch Lever Right	1098712-NLA See Note(s) B, A, A1	1098712-NLA See Note(s) B
5.	Clutch Lever Left	1098713-NLA See Note(s) A1, B, A	1098713-NLA See Note(s) B
6.	Bracket, Clutch Lever	1071567-NLA See Note(s) A, A1	1071567-NLA
7.	Pin Clevis	1071568 See Note(s) A, A1	1071568
8.	Tip, Plastic	1040060 See Note(s) A1, A	1040060
9.	Bushing, Snap	1071562-NLA See Note(s) A1, A	1071562-NLA
10.	Clutch Lever Assembly Right	1074114-NLA See Note(s) A1, A	1074114-NLA
10.	Clutch Lever Assembly Left	1074135-NLA See Note(s) A, A1	1074135-NLA
11.	Screw, Socket Head Cap with Patch (M6 x 20MM)	1071505 See Note(s) A, A1	1071505
12.	Screw, Socket Head Cap with Patch (M6 x 35MM)	1071504-NLA See Note(s) A, A1	1071504-NLA
NOTE: A - After 1/7/01 the 250 lb. limit and 200 lb. limit W.S.T. categories were discontinued and reclassified under the 300 lb. limit and 250 lb. limit W.S.T. respectively using 4 Pole motor standard. A1 - Only the 250-S models are manufactured with 2 Pole motors after 1/7/01. B - Short end of clutch lever was lengthened from 2" to 2-3/4" long as of 12/11/00. Replace in pairs for chairs manufactured before 12/11/00. C - Sold in pairs only			

4-Pole Motor and Gearbox

NOTE: MWD-R motor/gearbox is also used as a RWD-L motor/gearbox and MWD-L motor/gearbox is used as a RWD-R. The part numbers are already switched around respectively for this MWD page.



4-Pole Motor and Gearbox

NOTE: MWD-R motor/gearbox is also used as a RWD-L motor/gearbox and MWD-L motor/gearbox is used as a RWD-R. The part numbers are already switched around respectively for this MWD page.

Part Number	Part Description	W.S.T. 250 lb. Limit, 300lb. Limit or Power Tilt Only	400 lb. Limit
1.	Motor/Gearbox - Right Before 10/29/01	1085950-NLA See Note(s) D	1086218-NLA See Note(s) D
1.	Motor/Gearbox - Left Before 10/29/01	1085949-NLA See Note(s) D	1086217-NLA See Note(s) D
1.	WARR RPLMT - Motor/Gearbox - Right Before 10/29/01	1085950E-NLA See Note(s) H	N/A
1.	WARR RPLMT - Motor/Gearbox - Left Before 10/29/01	1085949E-NLA See Note(s) G	N/A
1.	Motor/Gearbox - Right After 10/28/01	1109168-NLA	1109170-NLA
1.	Motor/Gearbox - Left After 10/28/01	1109167-NLA	1109169-NLA
2.	Gearbox - Right	1086222-NLA See Note(s) C	1086228-NLA See Note(s) C
2.	Gearbox - Left	1086221 See Note(s) C	1086227-NLA See Note(s) C
3.	Motor Assembly - Right Before 10/29/01	1086788-NLA	1086788-NLA
3.	Motor Assembly - Left Before 10/29/01	1087218-NLA	1087218-NLA
3.	Motor Assembly - Right After 10/28/01	1109229-NLA	1109229-NLA
3.	Motor Assembly - Left After 10/28/01	1109228-NLA	1109228-NLA
4.	Brake Repair Kit Right	1070295-NLA See Note(s) F	1070295-NLA See Note(s) F
4.	Brake Repair Kit Left	1070294-NLA See Note(s) F	1070294-NLA See Note(s) F
5.	Brake Cover w/ Screws Before 10/29/01	1070297-NLA	1070297-NLA
5.	Brake Cover w/ Screws After 10/28/01 (Black)	1104402-NLA	1104402-NLA
6.	Brushes w/ Caps	1070296-NLA See Note(s) E	1070296-NLA See Note(s) E
7.	Screw, Socket Pan Head (8-32 x 1/4")	See Item 5	See Item 5
8.	NLA - Coupling w/ Cup (1" Diameter)	5165204-NLA See Note(s) A	5165204-NLA See Note(s) A
8.	NLA - Coupling w/ Cup (1-5/16" Diameter)	50000X007-NLA See Note(s) B	50000X007-NLA See Note(s) B

4-Pole Motor and Gearbox

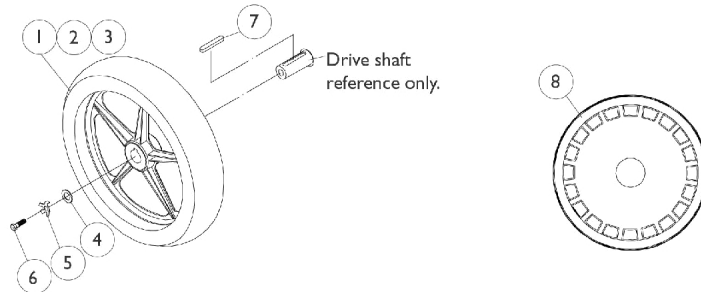
NOTE: MWD-R motor/gearbox is also used as a RWD-L motor/gearbox and MWD-L motor/gearbox is used as a RWD-R. The part numbers are already switched around respectively for this MWD page.

Part Number	Part Description	W.S.T. 250 lb. Limit, 300lb. Limit or Power Tilt Only	400 lb. Limit
9.	Screw, SHC (1/4-20 x 1-1/8")	1043594 See Note(s) C	1043594 See Note(s) C
9.	Screw, SHC (M6 x 1 x 20MM)	1108978 See Note(s) C	1108978 See Note(s) C
10.	Plastic Tip Before 10/29/01	1082984-NLA	1082984-NLA
10.	Plastic Tip After 10/28/01	1101725	1101725
11.	Slotted Plate	1082985-NLA	1082985-NLA
12.	Screw, Socket Head Cap w/ Patch (M6 x 20MM)	1071505	1071505
13.	Screw, Socket Head Cap w/ Patch (M6 x 35MM)	1071504-NLA	1071504-NLA

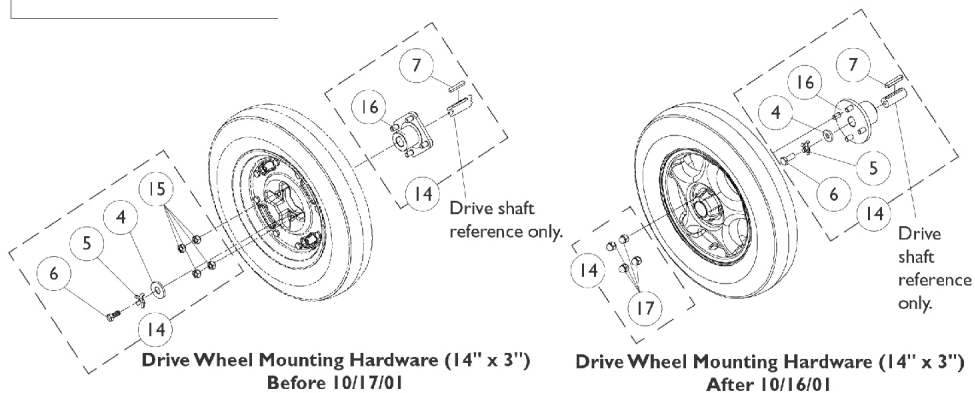
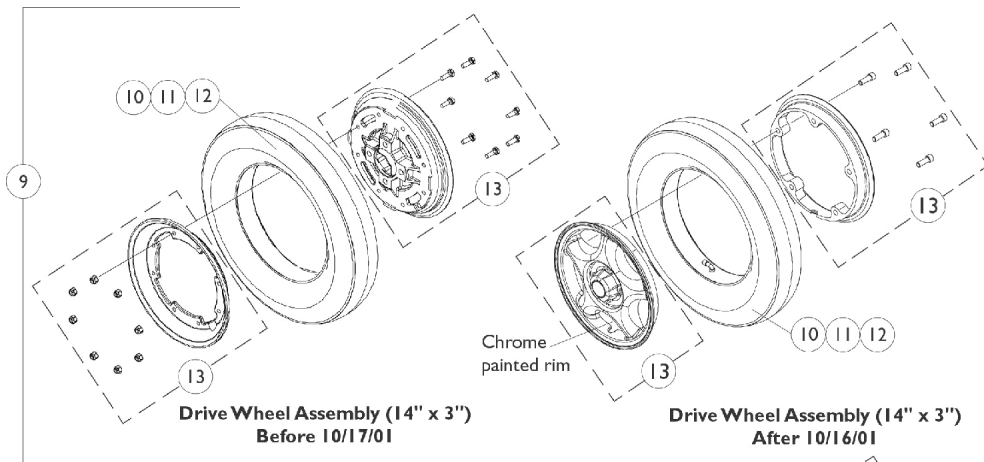
NOTE: A - Coupling with Cup for chairs manufactured before 11/12/01 - Use part # 50000X007 as a direct replacement part.
 B - After 11/11/01 Coupling with Cup was resized from approximately 1" to 1-5/16" diameter and can be used as a direct replacement for part number 5165204
 C - When a new gearbox or mounting screws are ordered, (2 ea.) metric and (2 ea.) non-metric screws (item 9) must be ordered. Invacare Corp. utilizes alternate suppliers for this part number.
 D - As of May 2008, the Metal Motor End Cap will be replaced with a Composite Motor End Cap. The change does not affect form, fit, function or aesthetics.
 E - Kit includes (4) Brushes, (4) Brush Caps and Instruction Sheet.
 F - Use existing screws when installing the Brake Repair Kit. The Motor Brake Mounting Screws are not saleable.
 G - Part number is no longer available as a service part. See part number 1085949 as a replacement.
 H - Part number is no longer available as a service part. See part number 1085950 as a replacement.

Wheels, Drive and Hub Mount

NOTE: The new chrome painted 14" x 3" spoke wheels are retrofitable to chairs made before 10/17/01.
Wheel hub assembly part number (1103010) must be ordered as well.



Drive Wheel Assembly (12-1/2" x 2-1/4")



Wheels, Drive and Hub Mount

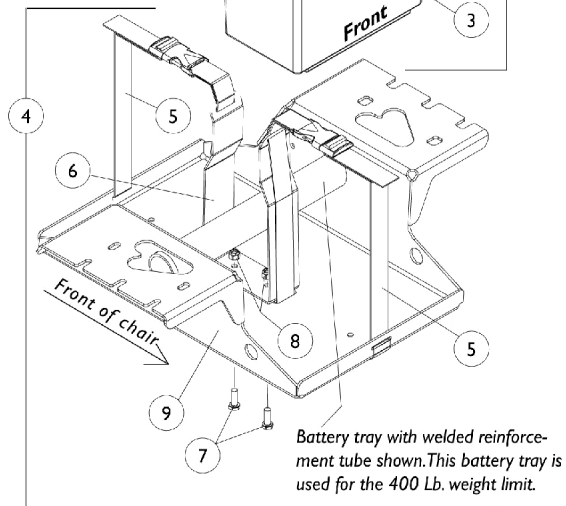
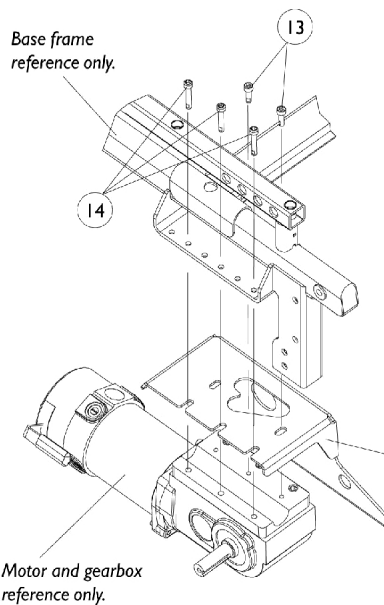
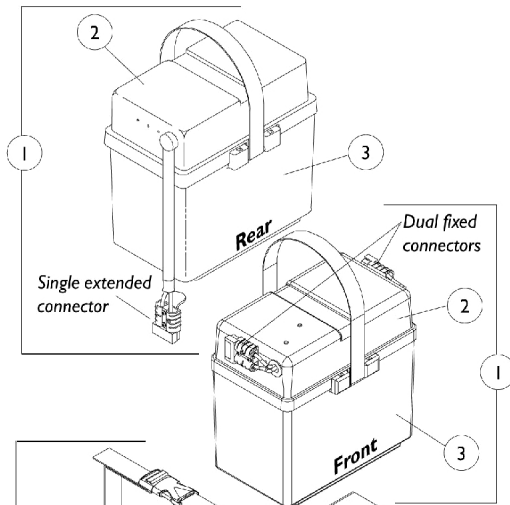
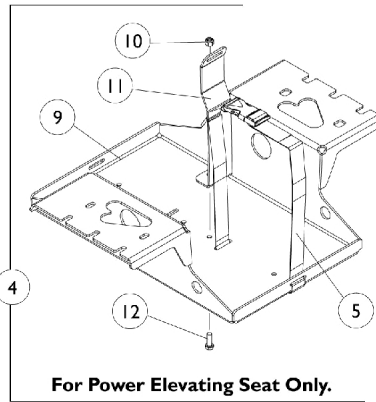
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1064177	Drive Wheel Assembly, 5 Spoke w/ Foam Fill Insert (12-1/2 x 2-1/4") Includes: Locking Tab Washer with Instruction Sheet	1	1
1		1064178-NLA	NLA - Drive Wheel Assembly, 5 Spoke, Pneumatic (12-1/2 x 2-1/4") Includes: Locking Tab Washer with Instruction Sheet	1	1
2		1011524	Tire, Pneumatic, Grey (12-1/2" x 2-1/4")	1	1
3		1011525	Tube, Inner, Black (12-1/2 x 2-1/4")	1	1
4		1079247	Washer, Flat (21/64 x 53/64 x 7/64")	1	1
5		1064179	Kit, Locking Tab Washer w/ Instruction Sheet (Pair)	2	1
6		7930322-NLA	NLA - Package, Screw, Hex Head (M8 x 1.25 x 20mm)	25	1
7		1023264	Key (6mm x 6mm x 40mm)	1	1
8	I	1074974-NLA	NLA - Cover, Shroud (Black), Drive Wheel	1	1
9	A	1090649-NLA	NLA - Pneumatic Wheel Drive Assembly (14" x 3")	1	1
9	B	1104438	Drive Wheel Assembly, Pneumatic, Grey Tire/Silver Rim (14 x 3")	1	1
9	A	1090650-NLA	NLA - Drive Wheel Assembly w/ Flat Free Insert, Grey Tire/Black Rim (14 x 3")	1	1
9	B	1104437	Drive Wheel Assembly, Flat Free, Grey Tire/Silver Rim (14 x 3")	1	1
10		1101754	Tire w/ Foam Fill Insert, Grey (14" x 3")	1	1
11		1039652	Tire, Pneumatic, Grey (14" x 3")	1	1
12		1039651	Tube, Inner, Black (14 x 3")	1	1
13	A,G	1090651-NLA	NLA - Kit, 8" Rim w/ Hardware (14" x 3" Wheel)	1	1
13		7930326-NLA	NLA - Package, Screw, Hex Head (1/4-20 x 3/4")	25	8
13		7930333	Locknut (1/4-20)	25	8
13	B,H	1104882-NLA	NLA - Kit, 8" Rim w/ Hardware (14 x 3" Wheel)	1	1
13		1101094	Screw, Socket Head w/ Patch (5/16-18 x 7/8")	1	5
14	A,C	1090648-NLA	NLA - Hardware, Drive Wheel Mounting w/ Instruction Sheet (14 x 3")	1	1
14	B,D	1103011-NLA	NLA - Hardware, Drive Wheel Mounting w/ Instruction Sheet (14" x 3")	1	1
15		1024444	Locknut (5/16-24)	1	4
16	A	1086681-NLA	NLA - Hub, Wheel (14" x 3")	1	1
16	B	1100576-NLA	NLA - Hub, Wheel (14" x 3")	1	1
17		1100580	Nut, Beveled Hex (5/16-24)	1	4
	B,E,F	1103010-NLA	NLA - Wheel Hub Assembly	1	1

Wheels, Drive and Hub Mount

NOTE: A - Before 10/17/01
B - After 10/16/01
C - Includes items 4-7, 15 and 16
D - Includes items 4-7, 16 and 17
E - Includes items 16 and 17
F - Not Shown
G - Part numbers 7930326 and 7930333 are available for individual sale.
H - Part number 1101094 is available for individual sale.
I - Shroud cover not available on drive wheels offered after 2/13/03

Battery Boxes and Trays

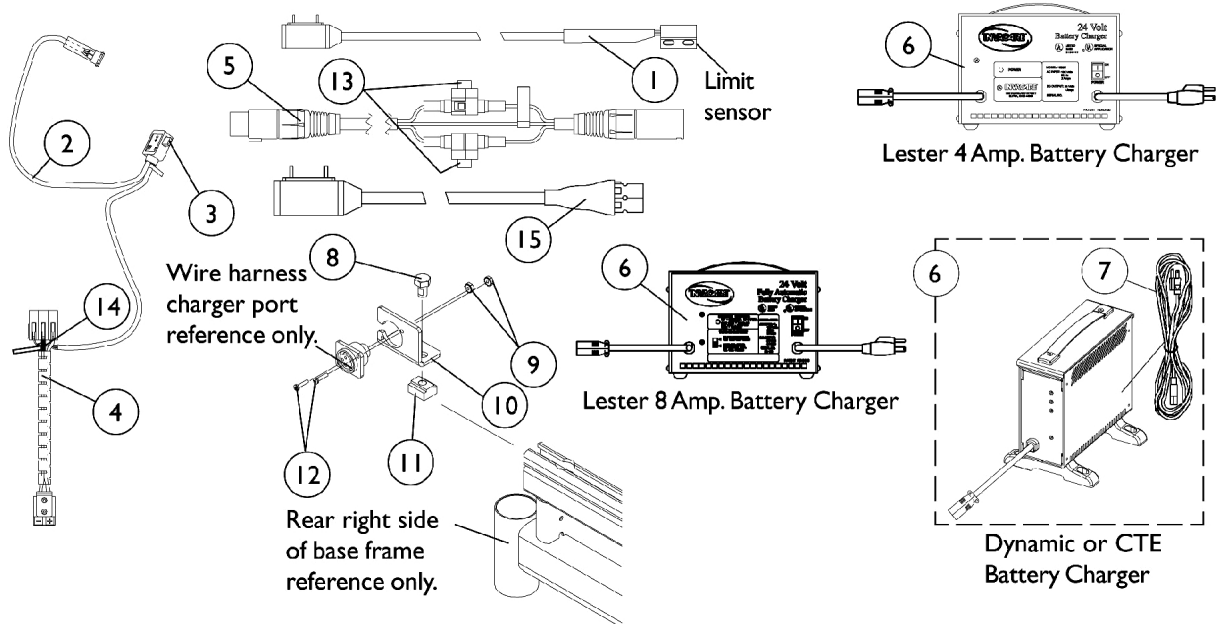
NOTE: 250-S models use U1 batteries with 22NF battery boxes.



Battery Boxes and Trays

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1097000-NLA	NLA - Battery Box Assembly, Single Extended Connector, 22NF and UI 250-S Models	1	1
1		1096998-NLA	NLA - Battery Box Assembly, Dual Fixed Connectors, 22NF and UI 250-S Models	1	1
2	B	1096999-NLA	NLA - Battery Box Top Assembly, Single Extended Connector, 22NF and UI 250-S Models	1	1
2	B	1096997	Battery Box Top Assembly, Dual Fixed Connectors, 22NF and UI 250-S Models	1	1
3		1057944	Battery Box Bottom with Strap, 22NF	1	2
3	E	1057954-NLA	NLA - Strap, Battery	1	1
3	E	1041433-NLA	NLA - Pin, Handle	1	1
4		1095599-NLA	NLA - Battery Tray Assembly, 250 and 300 Lb. Weight Limit	1	1
4		1095620-NLA	NLA - Battery Tray Assembly, 400 Lb. Weight Limit	1	1
4		1108771-NLA	NLA - Battery Tray Assembly, Power Elevating Seat	1	1
5		1095589-NLA	NLA - Battery Strap Assembly	1	2
6		1095587-NLA	NLA - Strap, Black Metal Extension	1	1
7		7930326-NLA	NLA - Package, Screw, Hex Head (1/4-20 x 3/4")	25	2
8		7930333	Locknut (1/4-20)	25	2
9		1095588-NLA	NLA - Tray, Battery, Black	1	1
10	F	7930333	Locknut (1/4-20)	25	1
11	F	1106523-NLA	NLA - Strap, Black Metal Extension	1	1
12		7930326-NLA	NLA - Package, Screw, Hex Head (1/4-20 x 3/4")	25	1
13		1071505	Screw, Socket w/ Patch (M6 x 1 x 20mm)	1	2
14		1071504-NLA	NLA - Screw, Socket w/ Patch (M6 x 1 x 35mm)	1	3
	A	1089385	Fuse, MIDI (Non-G/B & G/B) (80 AMP)	1	1
	A,B,G	1060318-NLA	NLA - Hardware, Battery Terminal, UI Batteries (Pair)	2	1
	A,C	1058618-NLA	NLA - Hardware, Battery Terminal, 22NF Batteries (Pair)	2	1
NOTE: A - Not Shown B - It is recommended that new terminal hardware be ordered when a new box top is ordered. C - Hardware includes small battery terminal caps (gray and orange), 1/4-20 x 7/8" hex flange screws, 1/4-20 hex flange nuts, cable ties and locking tab washers for two batteries. E - Part numbers 1057954 and 1041433 are available for individual sale. F - For Power Elevating Seat G - 250-S Models					

Battery Charger, Cables and Wire Harness



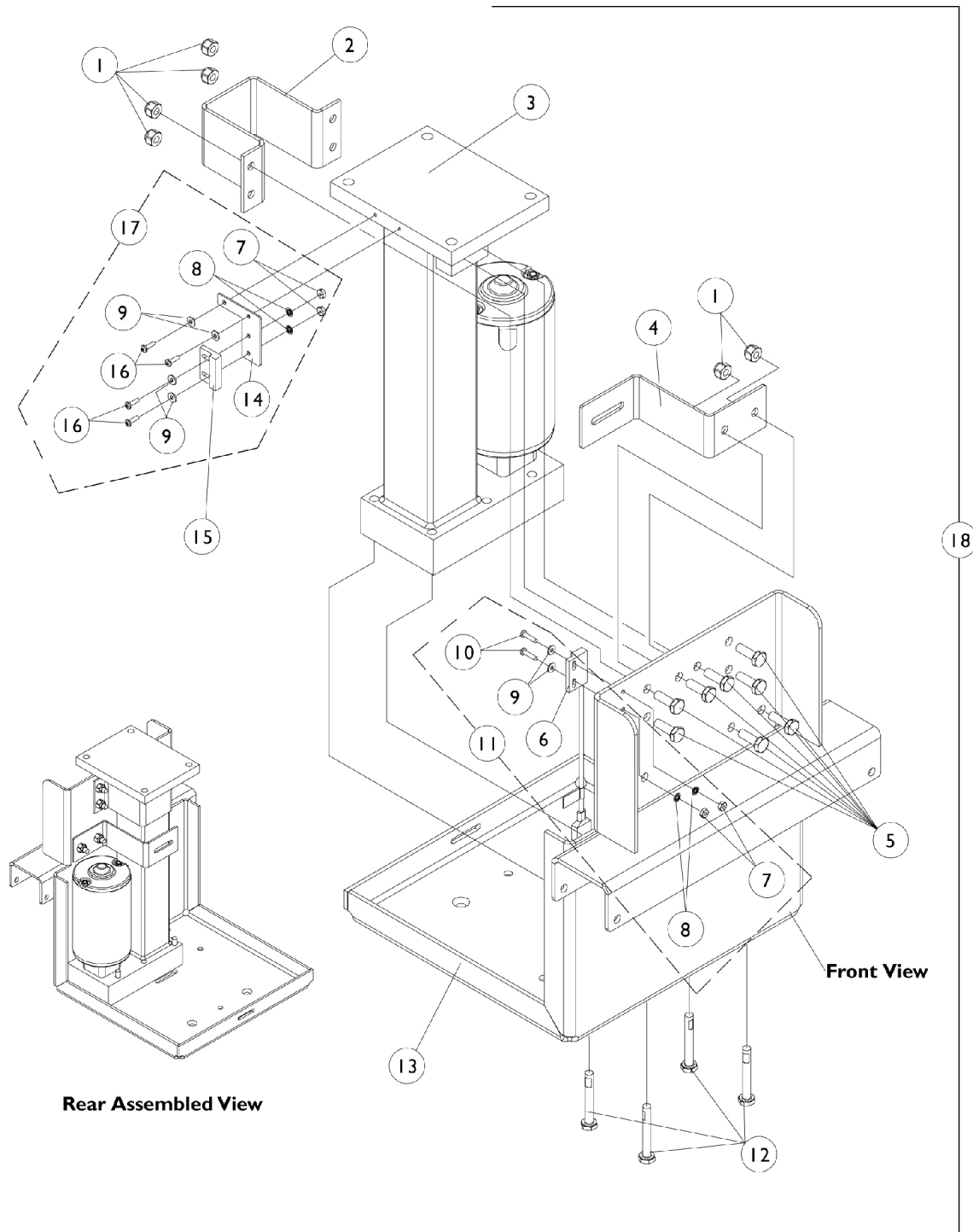
Battery Charger, Cables and Wire Harness

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	C	1092913-NLA	NLA - Cable, Drive Lockout Sensor	1	1
2	B	1095623-NLA	NLA - Harness, Wiring	1	1
3		1090117-NLA	NLA - Fuse - Buss Mini ATM-15 (15 AMP)	1	1
4		1090357-NLA	NLA - Wrap, Slit Wire Harness (1/2" O.D., 36" Long Cut To Length)	1	1
5		1083929-NLA	NLA - Cable, Charger Extension, Round Plug (24" L)	1	1
6		1085678-NLA	NLA - Charger, Battery, 8 Amp. 115vac, Off Board, Dual Mode, Round Plug w/ AC Power Line Cord, Dynamic	1	1
6	D,K	1053161-NLA	NLA - Charger, Battery, 8 Amp, 115vac, Off Board Dual Mode Round Plug, Lester	1	1
6	E,H	1061411-NLA	NLA - Charger, Battery, 4 Amp. 115vac, Off Board, Dual Mode, Round Plug, Lester	1	1
6	I,I1	1123249	Charger, Battery, 8 Amp. 115vac (Off Board) Single Mode Round Plug w/ AC Power Line Cord	1	1
6	I,I1	1123249E-NLA	NLA - WARR RPLMT - Charger, Battery, 8 Amp, 115VAC (Off Board) Single Mode Round Plug w/ AC Power Line Cord	1	1
7	J	1089627-NLA	NLA - Cord, AC Power, 115VAC, 2 Prong Off-Board (11' 6" L)	1	1
7		1121086	Cord, AC Power, 115VAC, 3 Prong On-Board (6' 6-1/2" L)	1	1
8		1061922-NLA	NLA - Screw, Hex Head w/ Patch (5/16-18 x 1/2")	1	1
9		P0870X000	Nut, Hex Keps (#4-40)	1	2
10		1070430-NLA	NLA - Bracket, Charger Connector, Black	1	1
11		1069724	T-Nut (5/16-18)	1	1
12		7930318-NLA	NLA - Package, Screw, Phillips Pan Head (#4-40 x 1/2")	25	2
13	F	1098892-NLA	NLA - Fuse - Buss ATC-15 (15 AMP)	1	1
13	G	1090117-NLA	NLA - Fuse - Buss Mini ATM-15 (15 AMP)	1	2
14	F	1101099-NLA	NLA - Fuse, Buss ATC-20 (20 AMP)	1	1
14	G	1119230-NLA	NLA - Fuse - Buss Mini ATM-20 (20 AMP)	1	1
15		1098905-NLA	NLA - Cable Assembly, 24 Volt, Anderson/P.T.O.	1	1
	A	1095502-NLA	NLA - Package, Tie Wrap (11-1/2" L)	10	1
	A	1109152-NLA	NLA - Wrap, Slit Wire Harness (3/8" O.D.) (36" Long, Cut To Length)	1	1

Battery Charger, Cables and Wire Harness

NOTE: A - Not Shown
B - Wiring harness is used when a MKIV Quad Pulse controller, or MKIV RII for Weight Shifting Tilt controller are used.
C - Sensor cable is used when a manual recliner or high back captain seat is ordered
D - On 7/18/01 Lest 8 amp. battery charger was reinstated.
E - 250-S Models Only
F - Before 4/1/03
G - After 3/31/03
H - CTE 8 Amp. charger replaced the obsoleted 4 Amp. charger as of 4/1/04.
I - CTE charger introduced 4/1/04. Used on Gel Cell or AGM (Absorbed Glass Mat) batteries. For wet cell batteries refer to the 8 amp. Lester charger.
I1 - CTE charger looks exactly the same as Dynamic's charger except for the company name that is silk screened on the narrow side panel, where the charger plug is (hard wired) attached. Serial number starts with 04A00000001.
J - No longer available as a service part. Please use 1121086 as its replacement.
K - Use Battery Charger part number 1123249 as a replacement.

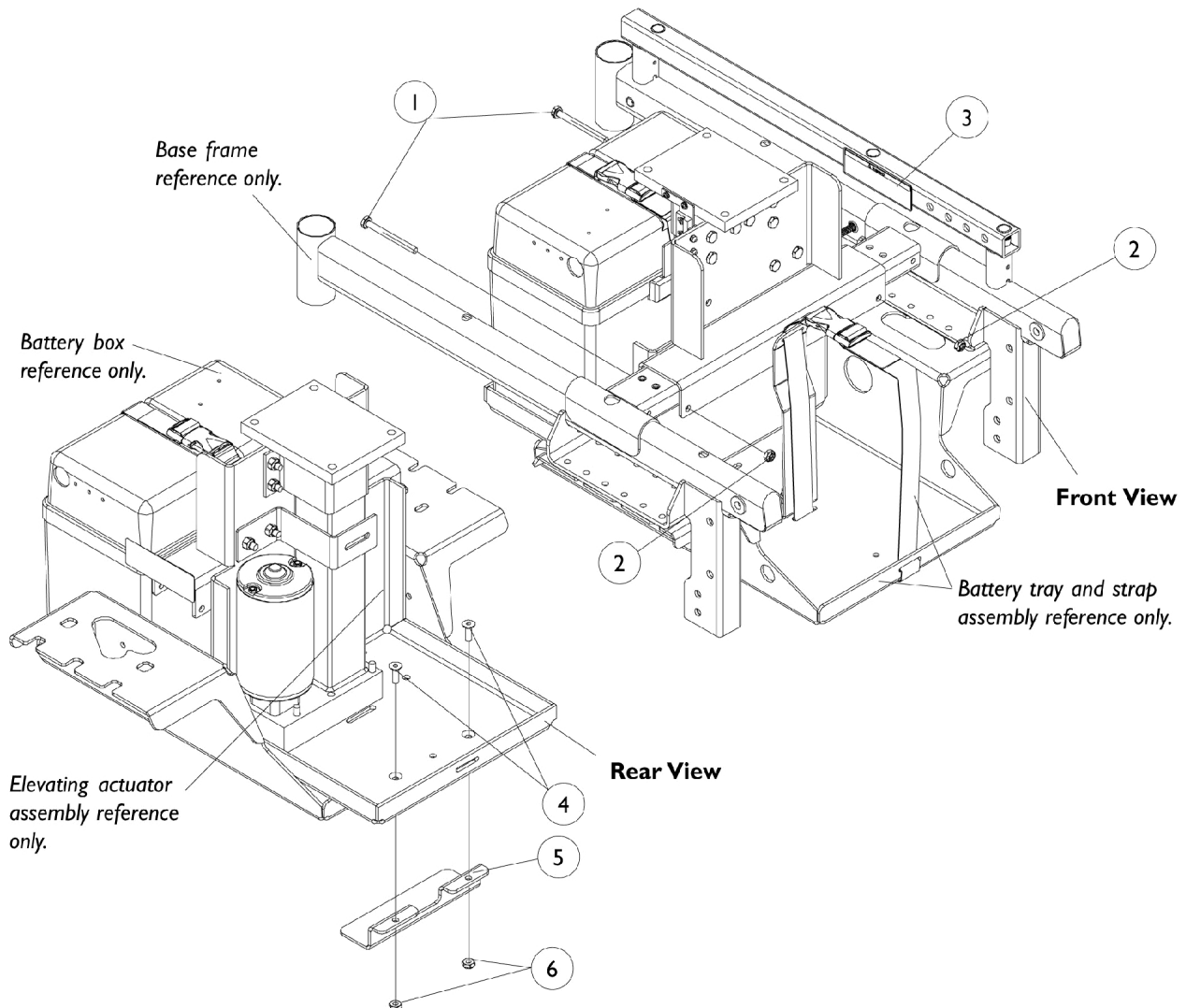
Elevating Actuator, Sensors and Seat Support Tray For Elevating Seat



Elevating Actuator, Sensors and Seat Support Tray For Elevating Seat

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		7930323-NLA	NLA - Package, Locknut (1/4-20)	25	6
2		1108436-NLA	NLA - Bracket, Actuator Support, Black	1	1
3		1109334-NLA	NLA - Actuator Motor Assembly, Elevate	1	1
4		1108435-NLA	NLA - Bracket, Battery Strap, Black	1	1
5		7930326-NLA	NLA - Package, Screw, Hex Head (1/4-20 x 3/4")	25	8
6		1105715-NLA	NLA - Sensor, Proximity Switch	1	1
7		1005889	NLA - Locknut (#4-40)	1	4
8		1008525-NLA	NLA - Washer, Internal Tooth Lock (#4-40)	1	4
9		1011011-NLA	NLA - Washer, Plain (1/8 x 5/16 x 1/32")	1	6
10		7930318-NLA	NLA - Package, Screw, Phillips Pan Head (#4-40 x 1/2")	25	2
11	A	1108774-NLA	NLA - Hardware, Proximity Switch Sensor and Mounting	1	1
12		1088898-NLA	NLA - Screw, Hex Head w/ Patch (1/4-20 x 1-3/4")	1	4
13		1106520-NLA	NLA - Tray, Seat Support	1	1
14		1106518-NLA	NLA - Bracket, Actuator Switch Sensor, Black	1	1
15		1024001	Sensor, Actuator Switch	1	1
16		1027704-NLA	NLA - Screw, Phillips Pan Head (#4-40 x 3/8")	1	4
17	B	1108773-NLA	NLA - Hardware, Actuator Switch Sensor and Mounting	1	1
18		1108768-NLA	NLA - Elevating Actuator, Sensors and Seat Support Tray Assembly	1	1
NOTE: A - Includes items 6-10 B - Includes items 7-9, 14 and 16					

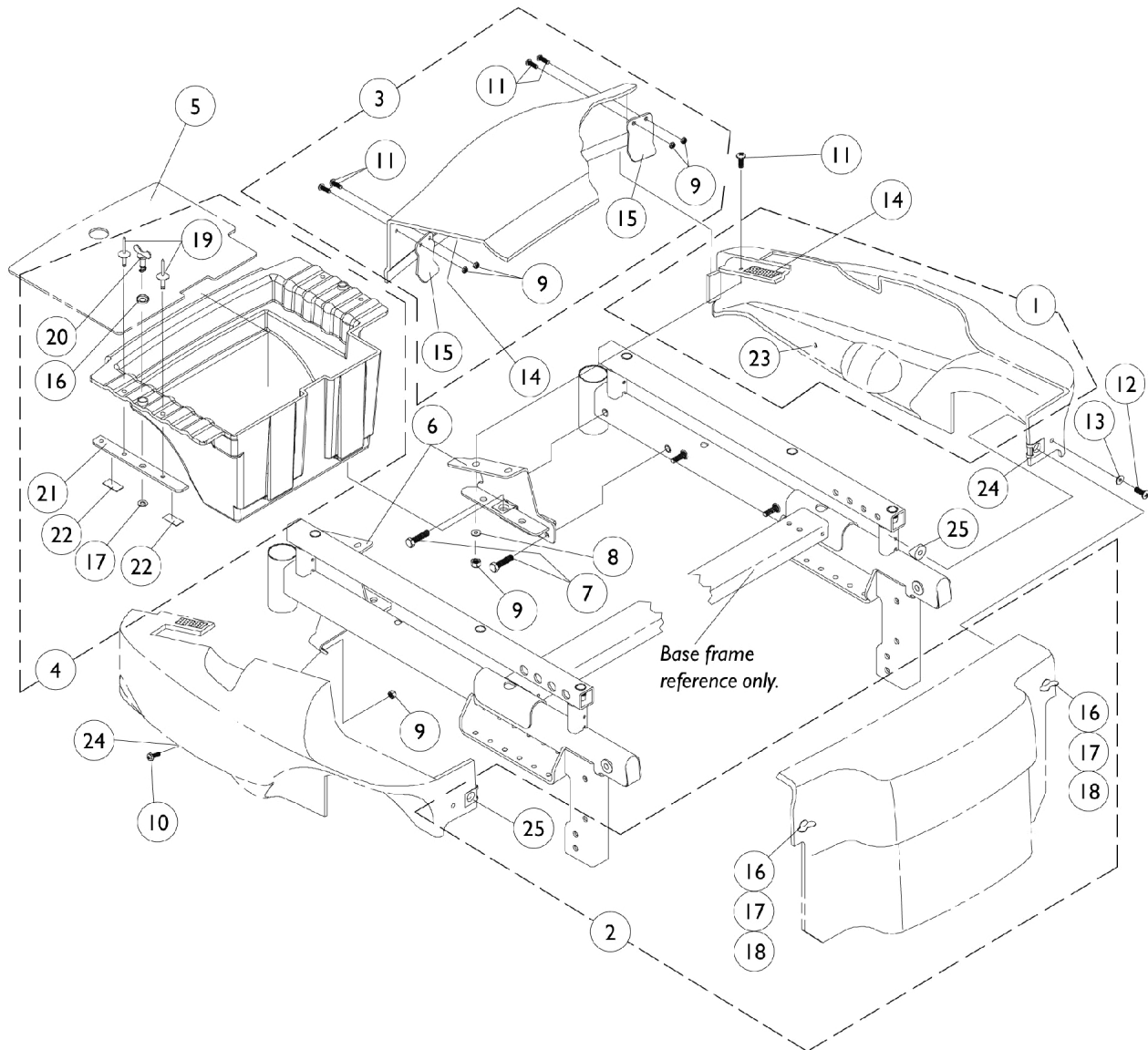
Seat Support Tray Mounting Hardware For Elevating Seat



Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1087220-NLA	NLA - Screw, Hex Head (1/4-28 x 2-5/8")	1	2
2		7930334-NLA	NLA - Locknut (1/4-28)	25	2
3		1106662-NLA	NLA - Label, Warning, Elevating Seat	1	1
4		1091869-NLA	NLA - Screw, Socket Flat Head w/ Patch (1/4-20 x 3/4")	1	2
5		1106537-NLA	NLA - Bracket, Seat Support Tray, Black	1	1
6		7930323-NLA	NLA - Package, Locknut (1/4-20)	25	2

Shroud Covers

For ASBA, Captain, PTO-PR Power Tilt & ESS6-PR Elevating Seat



Shroud Covers

For ASBA, Captain, PTO-PR Power Tilt & ESS6-PR Elevating Seat

Shrouds

Item Number	Description	Ocean Blue	Emerald Green	Liquid Black	Candy Apple Red
1	Side Panel w/ Rubber Bushing Right See Note(s) A	1102286-NLA	1102287-NLA	1102285-NLA	1102284-NLA
1	Side Panel w/ Rubber Bushing Left See Note(s) A	1102290-NLA	1102291-NLA	1102289-NLA	1102288-NLA
2	Battery Cover	1094777-NLA	1094778-NLA	1094776-NLA	1094775-NLA
3	Trunk Lid See Note(s) B	1102258-NLA	1102259-NLA	1102257-NLA	1102256-NLA
4	Rear Storage Compartment, Black	1095591-NLA	1095591-NLA	1095591-NLA	1095591-NLA
5	Rear Storage Compartment Shelf, Black	1071655-NLA	1071655-NLA	1071655-NLA	1071655-NLA
NOTE: A - Decals, Dual lock fasteners, and Spacers are not included with shrouds. B - Trunk Lid NLA. Must choose a remaining color option for replacement, in which case all shrouds should be replaced so that the color matches.					

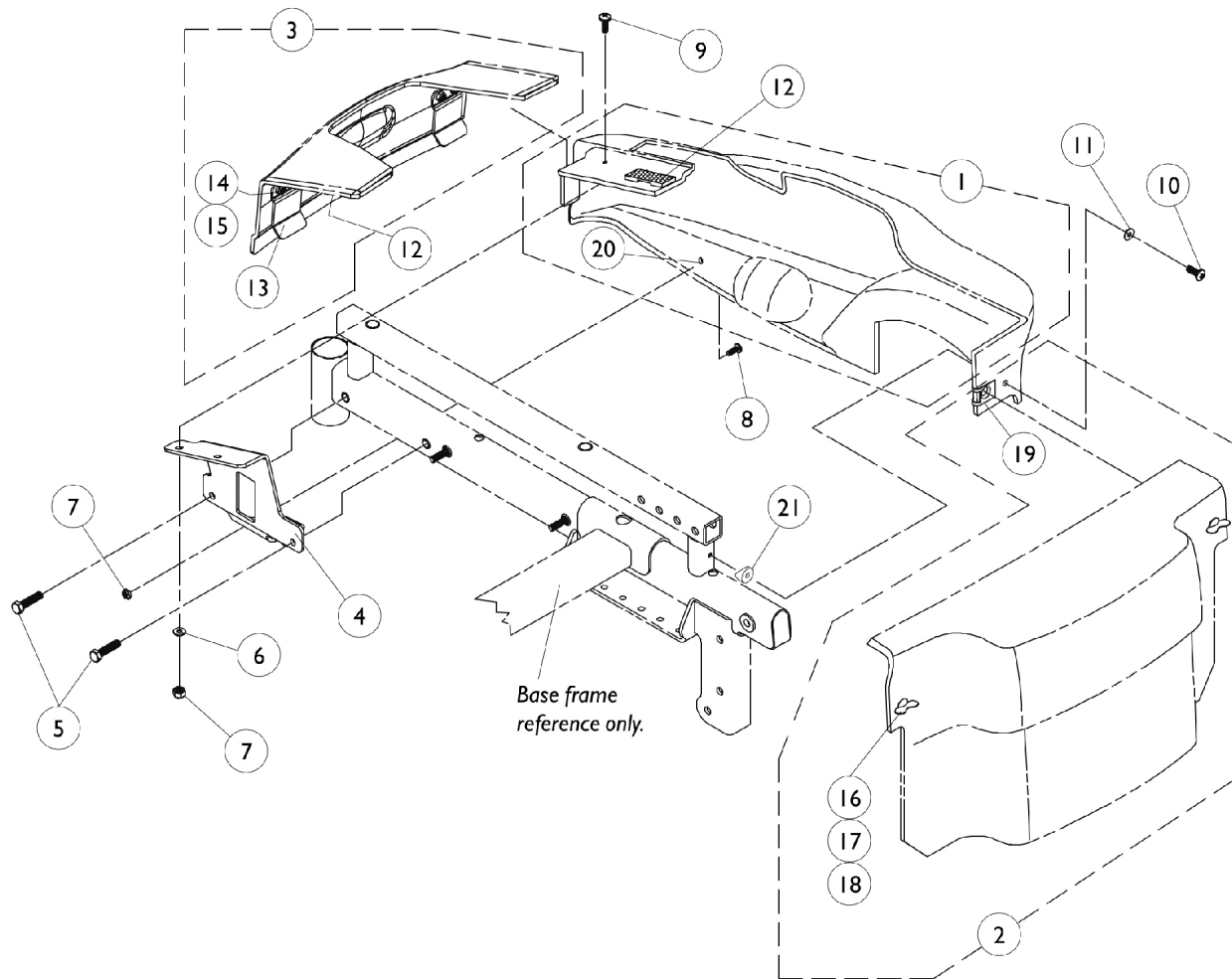
Shroud Covers

For ASBA, Captain, PTO-PR Power Tilt & ESS6-PR Elevating Seat

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1-5		See Chart	Item #s 1-5 Shroud Covers	1	1
6		1070565-NLA	NLA - Bracket, Shroud, Black - Right	1	1
6		1070566-NLA	NLA - Bracket, Shroud, Black - Left	1	1
7		1045267	Screw, Hex Head w/ Patch (1/4-20 x 3/4")	1	4
8		1028516	Washer, Steel (3/16 x 7/16 x 1/16")	1	2
9		7930332-NLA	NLA - Locknut, High Profile (#10-32)	25	8
10		1070575-NLA	NLA - Screw, SEMS w/ Washer (#10-32 x 7/8")	1	2
11		1070588-NLA	NLA - Screw, Phillips Truss Head (#10-32 x 1/2")	1	6
12		1028755	Screw, Phillips Pan Head (#10-32 x 5/8")	1	2
13	C	1070587	Washer, Flat (3/16 x 5/8 x 1/16")	1	2
	A	1095592-NLA	NLA - Hardware, Side Panel Attaching	1	1
14	B	1097290	Kit, Dual Lock Fastener/ Spacer	1	1
15		1070577-NLA	NLA - Plate, Trunk Clip	1	2
16		1070583-NLA	NLA - Stud, Wing Head (3/4" Long)	1	2
17		1070581-NLA	NLA - Washer, Nylon Cupped (9/32 x 19/32 x 3/32")	1	4
18		1070580-NLA	NLA - Washer, Nylon Retainer (1/4 x 1/2 x 1/32")	1	4
19		1070582-NLA	NLA - Rivet	1	4
20		1070574-NLA	NLA - Stud, Wing Head (1" Long)	1	2
21		1070563-NLA	NLA - Plate, Trunk	1	2
22		1062096-NLA	NLA - Fastener, Loop (1/2" W x 1" L)	1	4
23		1070594-NLA	NLA - Bushing, Rubber	1	2
24		1013497-NLA	NLA - Fastener, Turn, Clip-On (1/4")	1	2
25		40157X019-NLA	NLA - Spacer, Coved (1/4 x 7/8 x 7/16")	1	2
	A	1102292-NLA	NLA - Instruction Sheet, Dual Lock Fastener/ Spacer Kit	1	1
NOTE: A - Not Shown B - Kit includes 2 ea. dual lock fasteners (5/8"W x 2"L) and 1"W x 2"L, 4 ea dual lock spacers and instruction sheet C - Includes Items 6-13 and 25					

Shroud Covers

Weight Shifting Tilt



Shroud Covers

Weight Shifting Tilt

Shrouds

Item Number	Description	Ocean Blue	Emerald Green	Liquid Black	Candy Apple Red
1	Side Panel w/ Rubber Bushing Right See Note(s) A	1102286-NLA	1102287-NLA	1102285-NLA	1102284-NLA
1	Side Panel w/ Rubber Bushing Left See Note(s) A	1102290-NLA	1102291-NLA	1102289-NLA	1102288-NLA
2	Battery Cover	1094777-NLA	1094778-NLA	1094776-NLA	1094775-NLA
3	Trunk Lid	1102282-NLA	1102283-NLA	1102281-NLA	1102280-NLA
NOTE: A - Decals, Dual lock fasteners, and Spacers are not included with shrouds.					

Shroud Covers Weight Shifting Tilt

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1-3		See Chart	Item #s 1-3 Shroud Covers	1	1
4		1079197-NLA	NLA - Bracket, Side Shroud, Black - Right	1	1
4		1079198-NLA	NLA - Bracket, Side Shroud, Black - Left	1	1
5		1045267	Screw, Hex Head w/ Patch (1/4-20 x 3/4")	1	4
6		1028516	Washer, Steel (3/16 x 7/16 x 1/16")	1	2
7		7930332-NLA	NLA - Locknut, High Profile (#10-32)	25	4
8		1070575-NLA	NLA - Screw, SEMS w/ Washer (#10-32 x 7/8")	1	2
9		1070588-NLA	NLA - Screw, Phillips Truss Head (#10-32 x 1/2")	1	2
10		1028755	Screw, Phillips Pan Head (#10-32 x 5/8")	1	2
11		1070587	Washer, Flat (3/16 x 5/8 x 1/16")	1	2
12	A	1097290	Kit, Dual Lock Fastener/ Spacer	1	1
	B,C	1079196-NLA	NLA - Hardware, Side Panel Attaching	1	1
13		1070577-NLA	NLA - Plate, Trunk Clip	1	2
14		1070588-NLA	NLA - Screw, Phillips Truss Head (#10-32 x 1/2")	25	4
15		7930332-NLA	NLA - Locknut, High Profile (#10-32)	1	2
16		1070583-NLA	NLA - Stud, Wing Head (3/4" Long)	1	4
17		1070581-NLA	NLA - Washer, Nylon Cupped (9/32 x 19/32 x 3/32")	1	4
18		1070580-NLA	NLA - Washer, Nylon Retainer (1/4 x 1/2 x 1/32")	1	4
19		1013497-NLA	NLA - Fastener, Turn, Clip-On (1/4")	1	4
20		1070594-NLA	NLA - Bushing, Rubber	1	2
21		40157X019-NLA	NLA - Spacer, Coved (1/4 x 7/8 x 7/16")	1	2
	B	1102292-NLA	NLA - Instruction Sheet, Dual Lock Fastener/ Spacer Kit	1	1
NOTE: A - Kit includes 2 ea. dual lock fasteners (5/8"W x 2"L) and (1" W x 2"L), 4 ea. dual lock spacers and instruction sheet B - Not Shown C - Includes items 4-11 and 21					

Front Riggings Reference Chart

For PW93 and PW93ST

NOTE: Pivot/Slide tube attaching hardware not included.

1650 = Aluminum footplate with "L" style pivot/slide tube.
1450 = Deluxe aluminum footplate with "L" style pivot/slide tube.
C = 1651 Composite footplate with 9-7/8" curved pivot/slide tube.
AT5543 = Adjustable angle footplate with 9-7/8" straight pivot/slide tube.
1350 = Extra large footplate with "L" style pivot/slide tube.

Support Assemblies

Pivot/Slide tube and footplates are interchangeable with the support assemblies listed.

Rigging Type	PW93
Right	8881070776 See Note(s) A
Left	8881070777 See Note(s) A

NOTE: A - Specify color option 24P when ordering.

Pivot/ Slide Tube and Footplates

Footplate Type	1650 16-24" Wide	1450 16-24" Wide	1350 17-24" Wide	AT5543 16-24" Wide
Right	1074149	1074151-NLA	1026395	1062756
Left	1074150	1074152-NLA	1026396	1062757

Front Riggings Reference Chart

For PW93 and PW93ST

NOTE: Pivot/Slide tube attaching hardware not included.

2" Longer Pivot/ Slide Tube and Footplates

Footplate Type	1650 16-24" Wide	1450 16-24" Wide	1350 17-24" Wide	AT5543 16-24" Wide
Right	1086494-NLA	N/A	1086515	1062760
Left	1086497-NLA	N/A	1086517	1062761

4" Longer Pivot/ Slide Tube and Footplates

Footplate Type	1650 16-24" Wide	1450 16-24" Wide	1350 17-24" Wide	AT5543 16-24" Wide
Right	1086495-NLA	N/A	1086516	N/A
Left	1086498-NLA	N/A	1086518	N/A

Support Assemblies

Pivot/Slide tube and footplates are interchangeable with the support assemblies listed.

Rigging Type	PW93ST
Right	8881070784-NLA See Note(s) A
Left	8881070785-NLA See Note(s) A

NOTE: A - Specify color option 24P wet black when ordering.

Pivot/Slide Tube and Footplates

Footplate Type	AT5543 16-17" Wide	AT5543 18-24" Wide	C 16-17" Wide	C 18-19" Wide	C 20-24" Wide
Right	1060444	1062756	1057859	1057869	1057879
Left	1060445	1062757	1057860	1057870	1057880

Front Riggings Reference Chart

For PW93 and PW93ST

NOTE: Pivot/Slide tube attaching hardware not included.

2" Longer Pivot/Slide Tube and Footplates

Footplate Type	AT5543 16-17" Wide	AT5543 18-24" Wide	C 16-17" Wide	C 18-19" Wide	C 20-24" Wide
Right	1062758	1062760	1057861	1057871	1057881
Left	1062759	1062761	1057862-NLA	1057872	1057882

Front Riggings Reference Chart

For P904A and PAL4A

NOTE: Pivot/Slide tube attaching hardware not included.

NOTE: Calf pads with attaching hardware not included on legrest.

1650 = Aluminum footplate with "L" style pivot/slide tube.
1450 = Deluxe aluminum footplate with "L" style pivot/slide tube.
1350 = Extra large footplate with "L" style pivot/slide tube.

Support Assemblies

Pivot/Slide tube and footplates are interchangeable with the support assemblies listed.

Rigging Type	P904A
Right	8881058646-NLA See Note(s) A
Left	8881058647-NLA See Note(s) A

NOTE: A - Specify color option 24P when ordering.

Pivot/ Slide Tube and Footplates

Footplate Type	1650 16-24" Wide	1450 16-24" Wide	1350 17-24" Wide
Right	1058604	1028723-NLA	1058830
Left	1058605	1028724-NLA	1058831

2" Longer Pivot/ Slide Tube and Footplates

Footplate Type	1650 16-24" Wide	1450 16-24" Wide	1350 17-24" Wide
Right	1086529-NLA	N/A	1086541-NLA
Left	1086531-NLA	N/A	1086551-NLA

Front Riggings Reference Chart

For P904A and PAL4A

NOTE: Pivot/Slide tube attaching hardware not included.

NOTE: Calf pads with attaching hardware not included on legrest.

4" Longer Pivot/ Slide Tube and Footplates

Footplate Type	1650 16-24" Wide	1450 16-24" Wide	1350 17-24" Wide
Right	1086530-NLA	N/A	1086542-NLA
Left	1086532-NLA	N/A	1086552-NLA

Support Assemblies

Pivot/Slide tube and footplates are interchangeable with the support assemblies listed.

Rigging Type	PAL4A (Chrome Only)
Right	1058482-NLA
Left	1058483-NLA

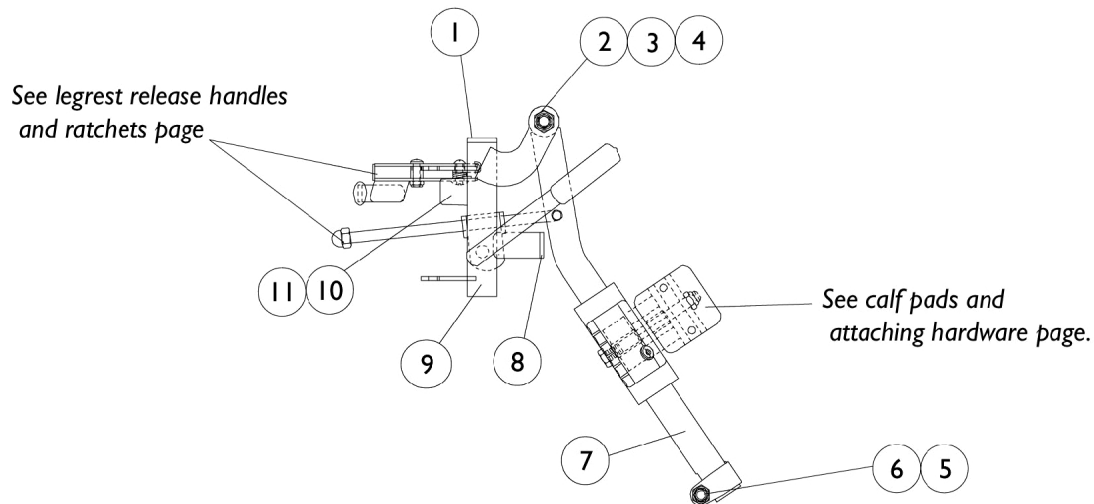
Pivot/ Slide Tube and Footplates

Footplate Type	1650 16-24" Wide	1450 16-24" Wide	1350 17-24" Wide
Right	1023907	1023924-NLA	1035456
Left	1023908	1023925-NLA	1035457

P904A Legrest Supports

Pin Style

Color 16" to 24"



Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1027095	Plug Button, Black (7/8")	1	1
2		11919X000-NLA	NLA - Screw, Slotted Truss Head (3/8-16 x 1-1/2")	1	1
3		1058636-NLA	NLA - Washer, Nylon (25/64 x 7/8 x 1/32")	2	2
4		40363X000	Hex Nut (3/8"-16)	1	1
5		7930330-NLA	NLA - Locknut (5/16-24)	25	3
6		1026030	Bolt, Lug (5/16-24 x 1-3/8")	1	1
7	A	8881048851	Tube, Elevating Adjustable Support, Color - Right	1	1
7	A	8881048852	Tube, Elevating Adjustable Support, Color - Left	1	1
8		1027097	Plug Button, Black (3/4")	1	1
9	A	8881058664-NL A	NLA - Tube, Legrest Support, Color - Right	1	1
9	A	8881058665-NL A	NLA - Tube, Legrest Support, Color - Left	1	1
10		1022874	Bumper	1	1
11		1030979	Screw, Phillips Pan Head Tap (#10-32 x 3/4")	1	1
	A	8881058646-NL A	NLA - Legrest Support Assembly, Adult, Color - Right	1	1
	A	8881058647-NL A	NLA - Legrest Support Assembly, Adult, Color - Left	1	1

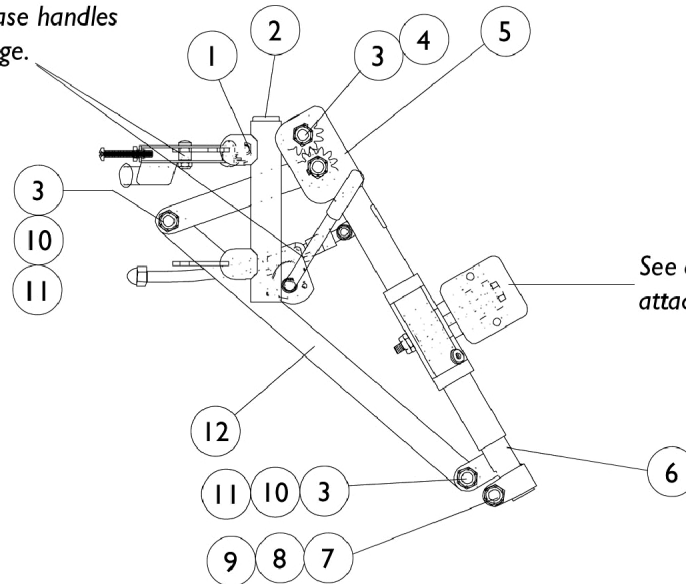
NOTE: A - Specify color option 24P wet black when ordering.

PAL4A Articulating Legrests

Pin Style

Chrome 16" - 24"

See legrest release handles
and ratchets page.

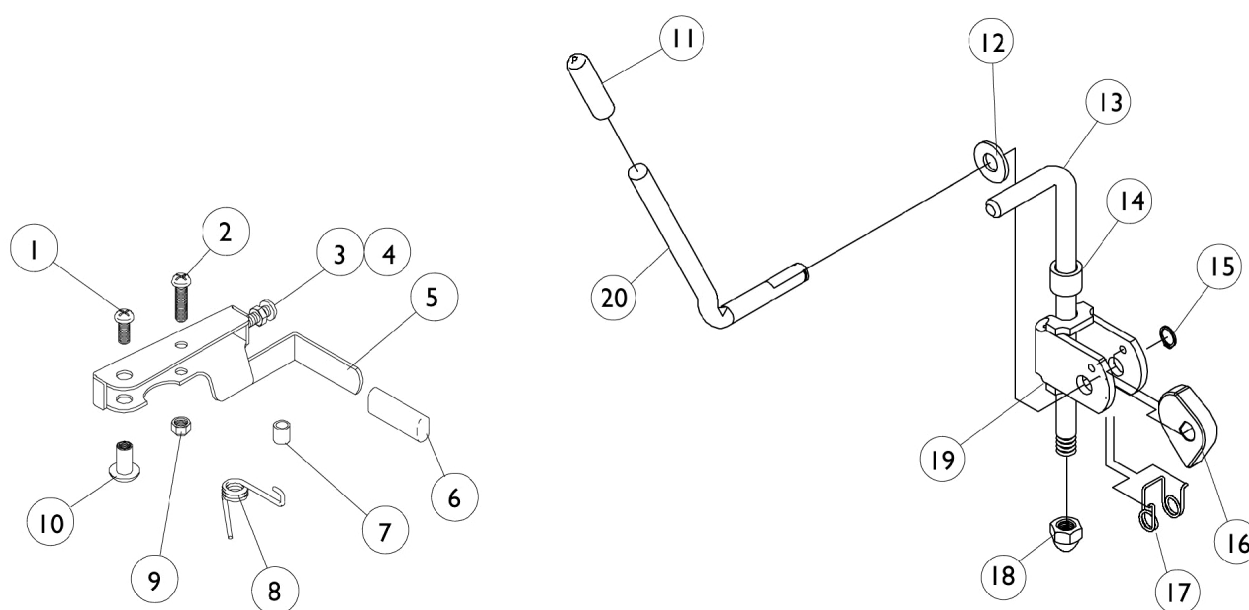


See calf pads and
attaching hardware page.

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1058478-NLA	NLA - Tube, Legrest Support - Right	1	1
1		1058479-NLA	NLA - Tube, Legrest Support - Left	1	1
2		1027097	Plug Button, Black (3/4")	1	1
3		40363X000	Hex Nut (3/8"-16)	3	3
4		1022854-NLA	NLA - Screw, Shoulder Slotted Head (1/2 x 1-1/8", 3/8-16)	1	1
5		1022877-NLA	NLA - Tube, Support and Drive Link, Chrome - Right	1	1
5		1022878-NLA	NLA - Tube, Support and Drive Link, Chrome - Left	1	1
6		1022848	Tube, Slide, Articulating, Chrome - Right	1	1
6		1022849	Tube, Slide, Articulating, Chrome - Left	1	1
7		1027377	Washer (#20)	1	1
8		7930363-NLA	NLA - Package, Locknut (5/16"-24)	25	1
9		11232X009	Bolt, Lug (5/16-24 x 1-3/8")	1	1
10		1022866-NLA	NLA - Screw, Socket Button Head (3/8-16 x 3/4")	2	2
11		1049527	Washer, Nylon (3/8 x 3/4 x 1/16")	2	2
12		1022846-NLA	NLA - Bar, Link, Black	1	1
	A	1058482-NLA	NLA - Legrest Support Assembly, Articulating, Adult, Chrome - Right	1	1
	A	1058483-NLA	NLA - Legrest Support Assembly, Articulating, Adult, Chrome - Left	1	1

NOTE: A - Not Shown

Legrest Release Handles and Ratchets

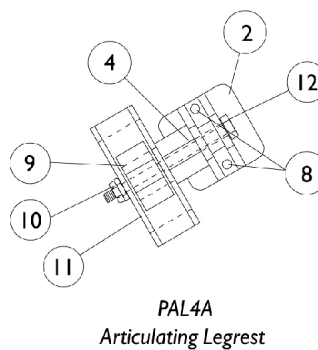
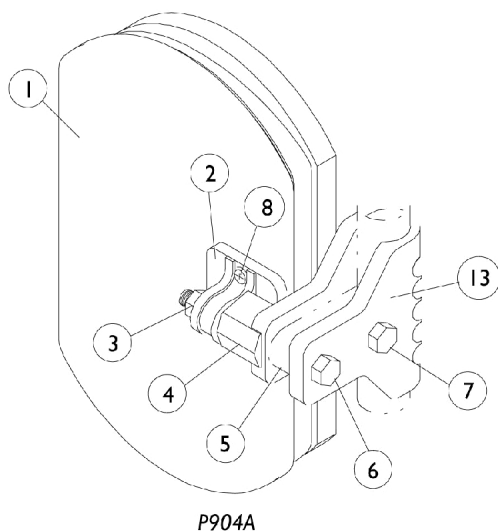


Legrest Release Handles and Ratchets

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		7930328-NLA	NLA - Package, Screw, Phillips Pan Head (#10-32 x 11/16")	25	1
2		7930335-NLA	NLA - Package, Screw, Phillips Pan Head (#10-32 x 1/2")	25	1
3	A	1026107	Screw, Phillips Pan Head (#10-32 x 1-3/8")	1	1
4	A	1028485-NLA	NLA - Nut, Hex (#10-32)	1	1
5		1035539	Handle, Release, Black - Right	1	1
5		1035540	Handle, Release, Black - Left	1	1
6	A	1006490	Tip, Plastic, Black	1	1
7		47565X057	Bushing (7/32 x 3/8 x 11/32")	1	1
8		1028707	Spring, Release - Right	1	1
8		1028708	Spring, Release - Left	1	1
9		7930332-NLA	NLA - Locknut, High Profile (#10-32)	1	1
10		1028846-NLA	NLA - Rivnut (#10-32)	25	1
11		1040060	Tip, Plastic, Black	1	1
12		7930310-NLA	NLA - Washer, Nylon (5/16 x 11/16 x 1/16")	1	1
13	C	42326X004	Bar, Ratchet - Right/Left	25	1
13	B	1023811-NLA	NLA - Bar, Ratchet - Right	1	1
13	B	1023812-NLA	NLA - Bar, Ratchet - Left	1	1
14		47330X003	Spacer (5/16 x 1/2 x 3/8")	2	2
15		1040831	Ring, Snap	1	1
16		1037125	Cam, Legrest	1	1
17		1037485	Spring, Release	1	1
18		7930336-NLA	NLA - Nut, Acorn (5/16-24)	25	1
19		04528X002	Bracket, Release, Black	1	1
20		1037126	Handle, Release	1	1
NOTE: A - These items are only required on Release Handles for chairs built before 10/1/00 B - Articulating C - 904 Legrest					

Calf Pads and Attaching Hardware

Due to a change to the Legrest Calf Pad size made on 4/23/12, you must also order the hardware kit (1066591) when ordering replacement Calf Pads.



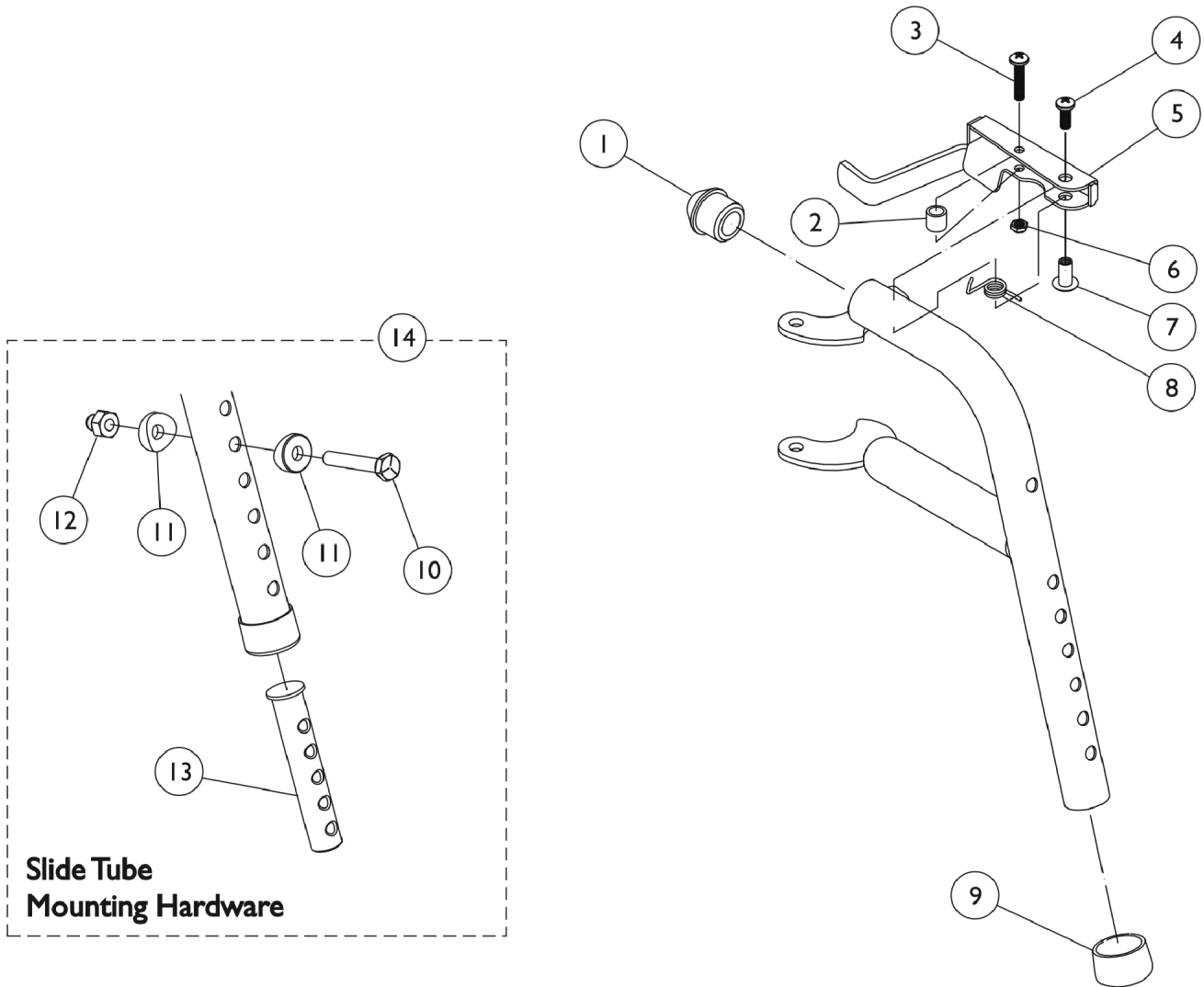
Calf Pads and Attaching Hardware

Due to a change to the Legrest Calf Pad size made on 4/23/12, you must also order the hardware kit (1066591) when ordering replacement Calf Pads.

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A,B,C	8881091759	Pad w/ Cover and Screws, Legrest Vinyl (Pair)	2	1
1	A,B,D, F	8881091764	Pad, Legrest, Vinyl - Right/Left	1	1
2		01415X000-NLA	NLA - Cover, Legrest Pad	1	1
2		04526X019	Plate, Legrest Pad	1	1
3		7930330-NLA	NLA - Locknut (5/16-24)	25	1
4		1025133	Spacer, Legrest Pad, Black	1	1
5		1032267	Spacer, Legrest Pad Mounting, Black	1	1
6		1037110	Screw, Hex Head (5/16-24 x 3-1/2")	1	1
7		1028514	Screw, Hex Head (5/16-24 x 1-1/2")	1	1
8	E	1066591	Hardware, Legrest Pad	1	1
			Screw, Phillips Pan Head (#10-32 x 11/16")	1	2
			Screw, Phillips Pan Head (#10-32 x 1")	1	2
			Instruction Sheet, Legrest Pad Mtg.	1	1
9		48823X008	Spring, Leaf	1	1
10		7930363-NLA	NLA - Package, Locknut (5/16"-24)	25	2
11		1025104	Bracket, Legrest, Chrome	1	1
12		1014807	Screw, Hex Head (5/16-24 x 3-1/4")	1	1
13		1032266	Bracket, Legrest Pad Mounting, Black	1	1
NOTE: A - Specify upholstery color when ordering. B - 16-24" Wide Chairs C - Before 9/5/00 D - After 9/4/00 E - Item includes Screws and Instruction Sheet. F - Due to a change to the Legrest Calf Pad size made on 4/23/12, you must also order the hardware kit (1066591) when ordering replacement Calf Pads.					

PW93 Footrest Supports

Pin Style
Color



PW93 Footrest Supports

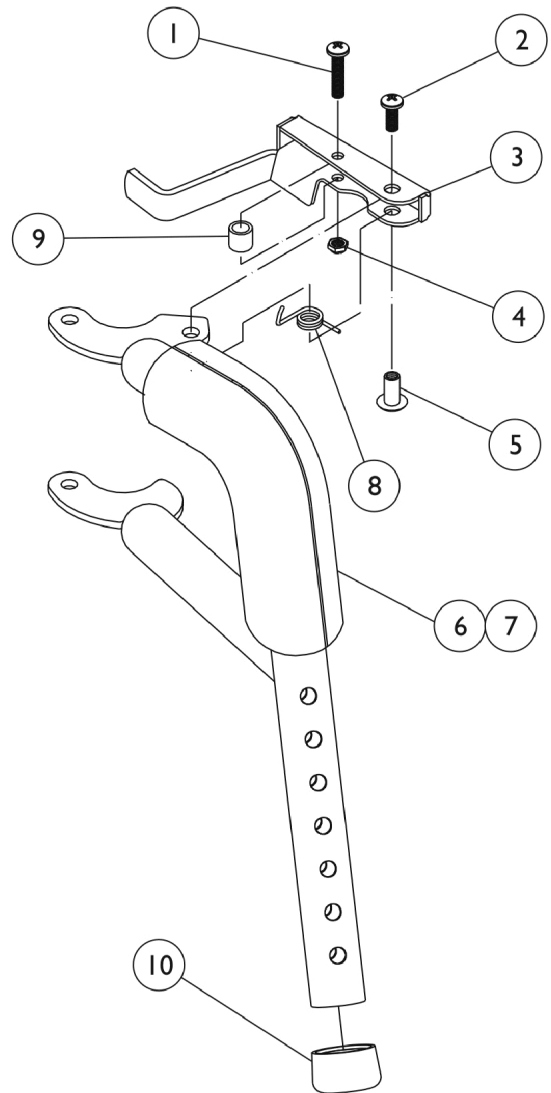
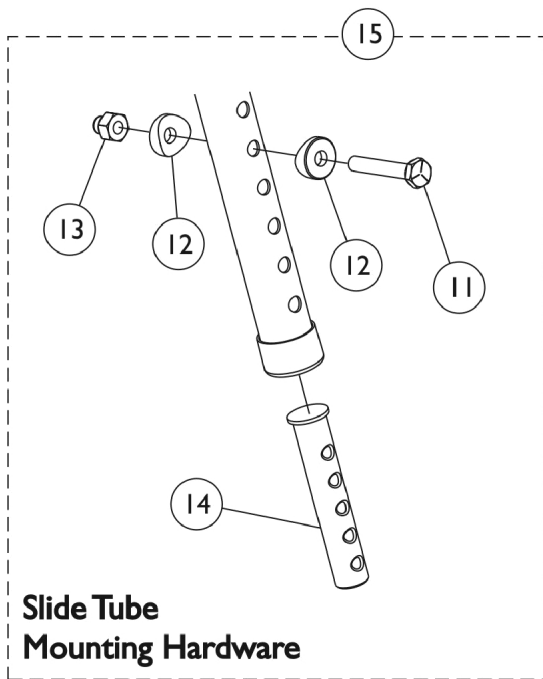
Pin Style Color

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1020719	Anti-Rattle, Black	1	1
2		47565X057	Bushing (7/32 x 3/8 x 11/32")	1	1
3		1025716	Screw, Phillips Pan Head (#10-32 x 11/16")	1	1
4		1026114	Screw, Phillips Pan Head (#10-32 x 1/2")	1	1
5		1035539	Handle, Release, Black - Right	1	1
5		1035540	Handle, Release, Black - Left	1	1
6		1025735	Locknut (#10-32)	1	1
7		1028846-NLA	NLA - Rivnut (#10-32)	1	1
8		1028707	Spring, Release - Right	1	1
8		1028708	Spring, Release - Left	1	1
9		15680X012	Collar, Anti-Rattle (7/8")	1	1
10		1070759	Screw, Hex Head (1/4-20 x 1-1/2")	1	1
11		1026099	Spacer, Coved (1/4 x 11/16 x 1/2")	1	2
12		1044214	Nut, Hex with Nylon Cap (1/4-20)	1	1
13	C	1020534	Insert, Threaded	1	1
14		1074143	Kit, Slide Tube Mounting Hardware	1	1
	A,B	8881070776	Footrest Support Assembly, Adult, Color - Right	1	1
	A,B	8881070777	Footrest Support Assembly, Adult, Color - Left	1	1

NOTE: A - Specify color option 24P wet black when ordering.
B - Not Shown
C - As of 8/15/03, the Threaded Insert was revised from 3 to 5 Holes. Threaded Insert is Backward Compatible and does not require ordering in Pairs.

PW93ST Footrest Supports

(Pin Style)
Color



PW93ST Footrest Supports

(Pin Style)

Color

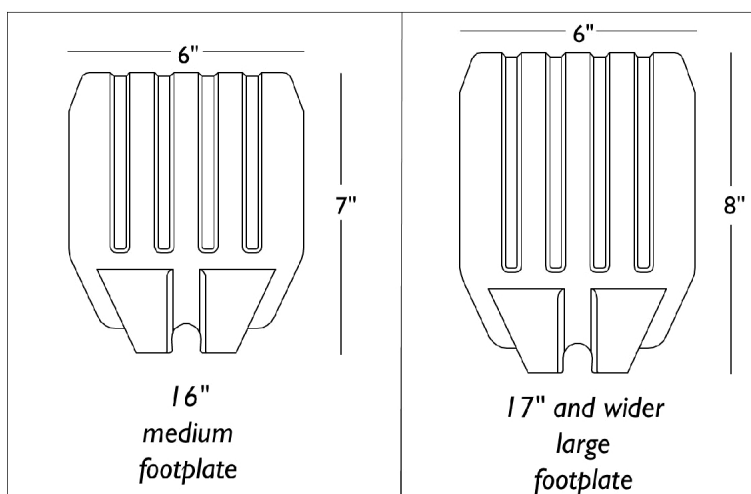
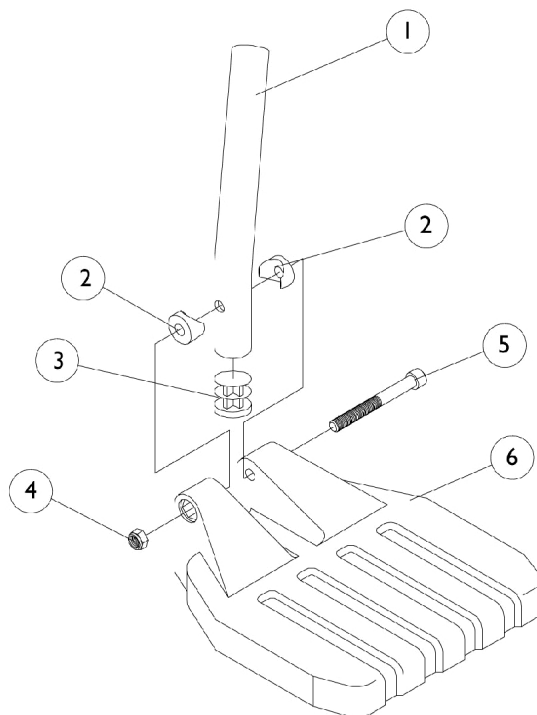
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1025716	Screw, Phillips Pan Head (#10-32 x 11/16")	1	1
2		1026114	Screw, Phillips Pan Head (#10-32 x 1/2")	1	1
3		1035539	Handle, Release, Black - Right	1	1
3		1035540	Handle, Release, Black - Left	1	1
	A,B	1026107	Screw, Phillips Pan Head (#10-32 x 1-3/8")	1	1
	A,B	1006490	Tip, Plastic, Black	1	1
	A,B	1028485-NLA	NLA - Nut, Hex (#10-32)	1	1
4		1025735	Locknut (#10-32)	1	1
5		1028846-NLA	NLA - Rivnut (#10-32)	1	1
6		1030434-NLA	NLA - Cushion, Tubular Foam	1	1
7		1030435-NLA	NLA - Cover, Foam Cushion	1	1
8		1028707	Spring, Release - Right	1	1
8		1028708	Spring, Release - Left	1	1
9		47565X057	Bushing (7/32 x 3/8 x 11/32")	1	1
10		15680X012	Collar, Anti-Rattle (7/8")	1	1
11		1070759	Screw, Hex Head (1/4-20 x 1-1/2")	1	1
12		1026099	Spacer, Coved (1/4 x 11/16 x 1/2")	1	2
13		1044214	Nut, Hex with Nylon Cap (1/4-20)	1	1
14	D	1020534	Insert, Threaded	1	1
15		1074143	Kit, Slide Tube Mounting Hardware	1	1
	A,C	8881070784-NL A	NLA - Footrest Support Assembly, Adult, Color - Right	1	1
	A,C	8881070785-NL A	NLA - Footrest Support Assembly, Adult, Color - Left	1	1

NOTE: A - Not Shown
B - These items are only required on Release Handles for chairs built before 10/1/00
C - Specify color option 24P wet black when ordering.
D - As of 8/15/03, the Threaded Insert was revised from 3 to 5 Holes. Threaded Insert is Backward Compatible and does not require ordering in Pairs.

Pivot/ Slide Tube and Composite Footplates

NOTE: Heel Loops are not included. See footrest and legrest accessories.

NOTE: For Complete pivot/slide tube and footplate assemblies, see front riggings reference page.

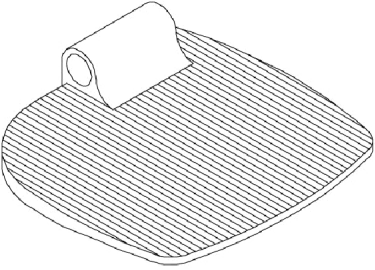
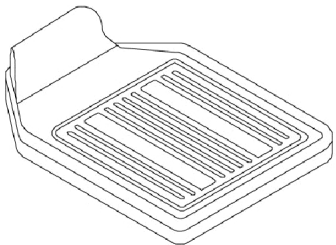
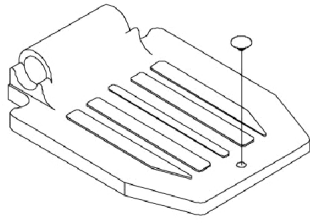


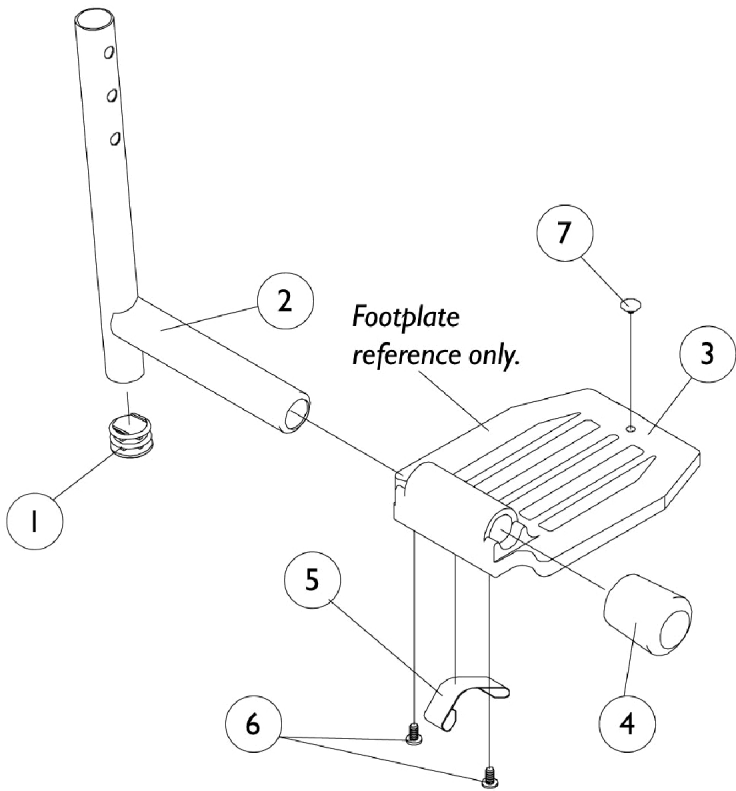
Pivot/ Slide Tube and Composite Footplates

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1057852	Tube, Pivot/Slide, Curved End, Steel, Black (9-7/8")	1	1
1	A,B	1057854	Tube, Pivot/Slide, Curved End, 2" Longer, Steel, Black	1	1
2		1025457	Spacer, Coved (1/4 x 3/4 x 11/32")	1	2
3		1027097	Plug Button, Black (3/4")	1	1
4		7930323-NLA	NLA - Package, Locknut (1/4-20)	25	1
5		7930366	Package, Socket Head Screw (1/4-20 x 2-1/4")	25	1
6	C	1026880	Footplate, Composite, Medium, Black (7" W x 6" L)	1	1
6	D	1026881	Footplate, Composite, Large, Black (8" W x 6" L)	1	1
6	E,F	1026879	Footplate, Composite, Small, Black (6" W x 6" L)	1	1
6	E,G	1026880	Footplate, Composite, Medium, Black (7" W x 6" L)	1	1
6	E,H	1026881	Footplate, Composite, Large, Black (8" W x 6" L)	1	1
NOTE: A - Steel B - ALPT Option C - 16" Wide D - 17" and Wider E - PW93ST Only F - 16" and 17" Wide G - 18" and 19" Wide H - 20" and Wider					

Pivot/ Slide Tube and 1650, 1450, 1350 Footplates

NOTE: Heel Loops are not included. See footreset and legrest accessories.
NOTE: For complete pivot/slide tube and footplate assemblies, see front riggings reference chart.

		
1350 Extra Large	1450 Deluxe Aluminum	1650 Standard Alum.



Pivot/ Slide Tube and 1650, 1450, 1350 Footplates

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1027097	Plug Button, Black (3/4")	1	1
2	A	1048834	Pivot/Slide Tube w/ Plug Button, Black	1	1
2	A	1098906	Pivot/Slide Tube w/ Plug Button, Black (2" Longer)	1	1
2	A	1086482	Pivot/Slide Tube w/ Plug Button, Black (4" Longer)	1	1
2	B	1041526	Pivot/Slide Tube w/ Plug Button Assembly, Chrome	1	1
2	C	1100568-NLA	NLA - Pivot/Slide Tube w/ Plug Button, Black	1	1
2	C	1100569-NLA	NLA - Pivot/Slide Tube Assembly, Extra Large, Standard Aluminium - 2" Longer, Black	1	1
2	C	1100570-NLA	NLA - Pivot/Slide Tube w/ Plug Button, Black (4" Longer)	1	1
2	D	1041526	Pivot/Slide Tube w/ Plug Button Assembly, Chrome	1	1
2	E	1048834	Pivot/Slide Tube w/ Plug Button, Black	1	1
2	E	1098906	Pivot/Slide Tube w/ Plug Button, Black (2" Longer)	1	1
2	E	1086482	Pivot/Slide Tube w/ Plug Button, Black (4" Longer)	1	1
2	F	1070762-NLA	NLA - Tube, Pivot/Slide w/ Plug Button, Deluxe Aluminum, Black	1	1
2	G	1100571-NLA	NLA - Pivot/Slide Tube w/ Plug Button, Deluxe, Black	1	1
3	H	44200X027	Footplate, Aluminum, Medium, Black (7-3/4" W x 6" L)	1	1
3		1043659-NLA	NLA - Footplate, Aluminum, Deluxe, Black - Right (8" W x 5-3/4" L)	1	1
3		1043660-NLA	NLA - Footplate, Aluminum, Deluxe, Black - Left (8" W x 5-3/4" L)	1	1
3		44200X025	Footplate, Aluminum, Extra Large, Black - Right (8" W x 8-1/2" L)	1	1
3		44200X026	Footplate, Aluminum, Extra Large, Black - Left (8" W x 8-1/2" L)	1	1
4		1016346	Cap, End, Tube, Black (7/8")	1	1
4		1027095	Plug Button, Black (7/8")	1	1
5	I,K	1006981	Spring, Tension	1	2
5	I,L	1036120-NLA	NLA - Spring	1	2
5	M,N	1036123	Spring, Leaf	1	1
6	J	7930354-NLA	NLA - Package, Phillips Head Screw (#8-32 x 3/8")	25	2
7		1070168	Plug, Push, Footplate	1	1

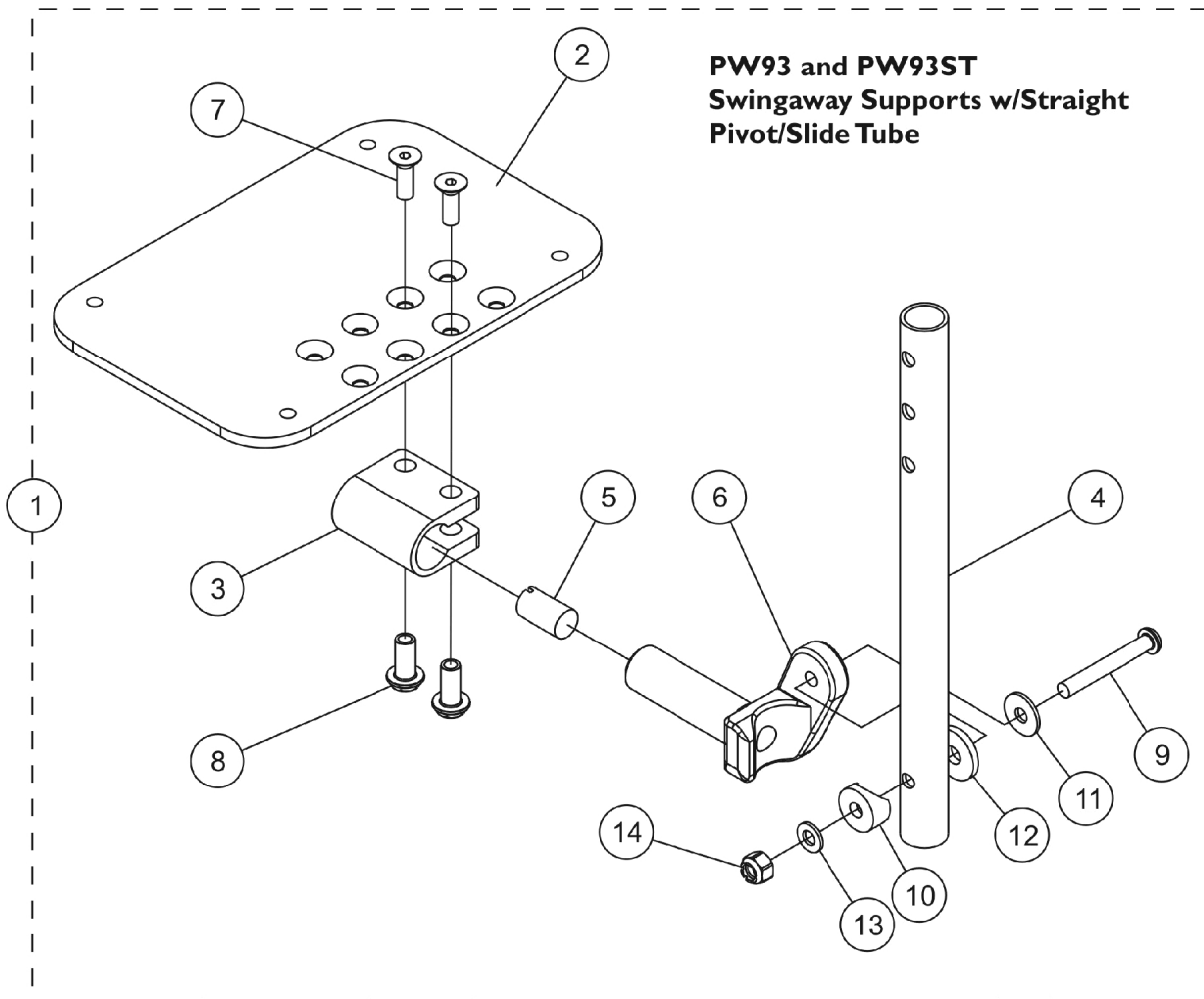
Pivot/ Slide Tube and 1650, 1450, 1350 Footplates

NOTE: A - Extra Large (1350) footplate for PW93
B - Extra Large (1350) footplate for PAL4
C - Extra Large (1350) and Standard Aluminum (1650) footplates for P904
D - Standard Aluminum (1650) footplate for PAL4
E - Standard Aluminum (1650) footplate for PW93
F - Deluxe Aluminum (1450) footplate for PW93
G - Deluxe Aluminum (1450) footplate for P904
H - 16" and Wider
I - Takes two per side
J - Deluxe footplate takes 1 ea.
K - Standard Aluminum (1650) footplate
L - Deluxe Aluminum (1450) footplate
M - Extra Large (1350) footplate
N - Use one or more leaf springs per assembly as required such that footplate may be moved by hand to the up-right position and remain in place.

AT5543 Adjustable Angle Footplates

PW93 and PW93ST Swingaway Supports

NOTE: Heel loops are not included. See footrest and legrest accessories.



AT5543 Adjustable Angle Footplates PW93 and PW93ST Swingaway Supports

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	See Chart	PW93 Pivot/Slide Tube and Footplate Assemblies	1	1
1	A	See Chart	PW93ST Pivot/Slide Tube and Footplate Assemblies	1	1
2	B	1113573	Footplate, Adjustable Angle, Large, Black (5-1/4" W x 8" L)	1	1
2	B	1113574	Footplate, Adjustable Angle, Extra Large, Black (6-1/4" W x 8" L)	1	1
3		1058517	Clamp, Footplate	1	1
4		1057855	Tube, Pivot and Slide, Straight, Steel, Black (9-7/8" L)	1	1
4		1057856	Tube, Pivot/Slide, Straight, Steel, Black (11-7/8" L)	1	1
5		1048816	Screw, Nylon Adjustment (1/2-13 x 7/8")	1	1
6		1052102	Hinge, Footplate - Right	1	1
6		1052103	Hinge, Footplate - Left	1	1
7		1029545	Screw, Socket Flat Head (1/4-20 x 3/4")	1	2
8		1082686	Nut, Barrel, Hex Head (1/4-20 x 11/16")	1	2
9		7930321-NLA	NLA Package, Screw, Socket Button Head (1/4-20 x 1-7/8")	25	1
10		1025457	Spacer, Coved (1/4 x 3/4 x 11/32")	1	1
11		1026900	Washer (1/4 x 23/32 x 1/16")	1	1
12		7930313	Package, Washer, Nylon (5/16 x 7/8 x 1/8")	25	1
13		1026907	Washer (1/4 x 1/2 x 1/16")	1	1
14		7930333	Locknut (1/4-20)	25	1

NOTE: A - Includes Items 2 thru 14.
B - This footplate was revised 9/2/2008 with rounder corners and accessory holes changed from 8 to 4. Recommended to replace footplates in pairs to match sides.

Item #14 PW93 Pivot/Slide Tube and Footplate Assemblies

Chair Width	16" and Wider	16" and Wider
Footplate Type	6-1/4" X-Large Right	6-1/4" X-Large Left
PW93 Swingaway Supports 9-7/8" Slide Tube	1062756	1062757
PW93 Swingaway Supports 11-7/8" Slide Tube	1062760	1062761

Item #14 PW93ST Pivot/Slide Tube and Footplate Assemblies

Chair Width	16" and 17" Wide	16" and 17" Wide	18" and Wider	18" and Wider
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AT5543 Adjustable Angle Footplates

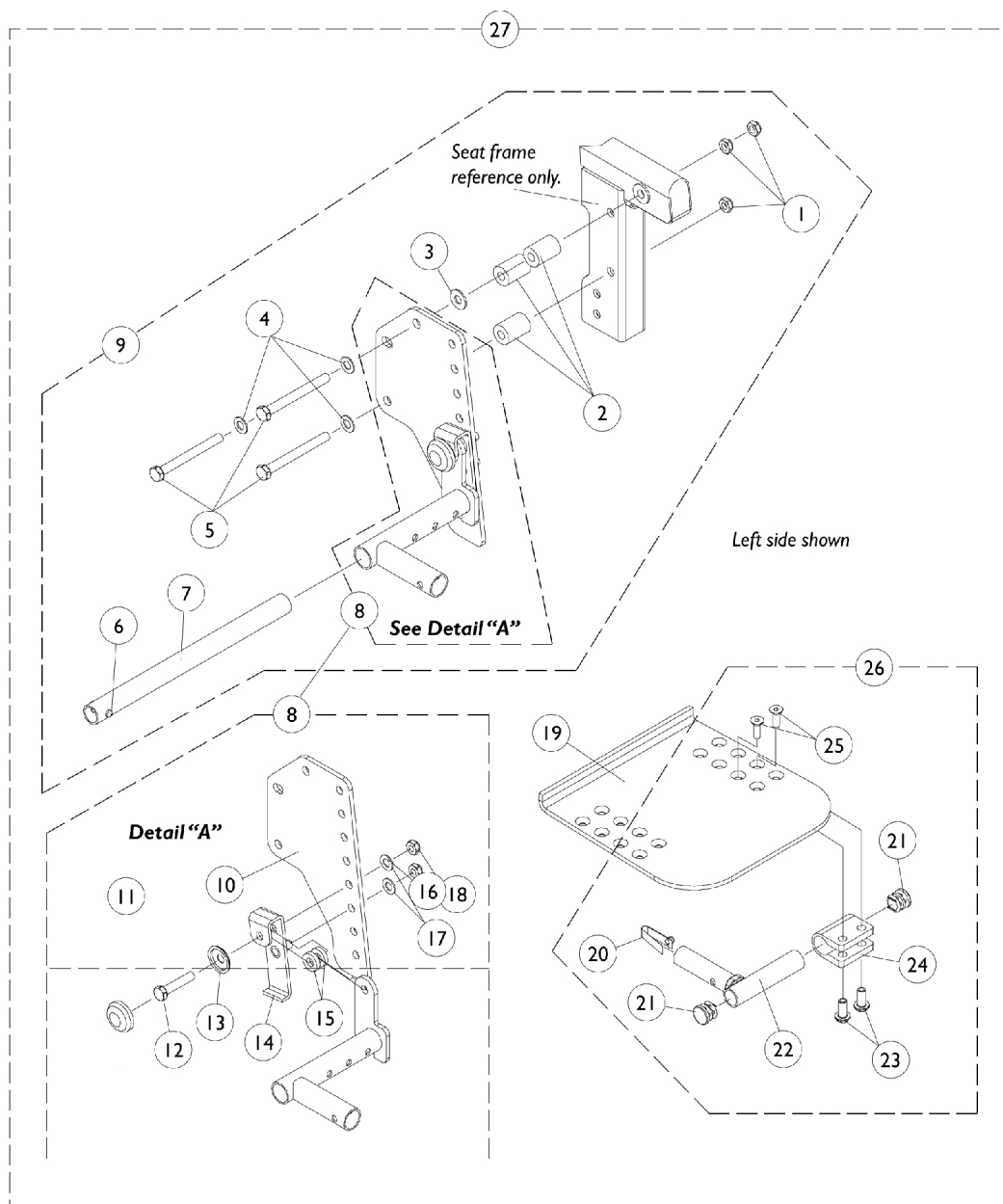
PW93 and PW93ST Swingaway Supports

Item #14 PW93ST Pivot/Slide Tube and Footplate Assemblies

Chair Width	16" and 17" Wide	16" and 17" Wide	18" and Wider	18" and Wider
Footplate Type	5-1/4" Large Right	5-1/4" Large Left	6-1/4" X-Large Right	6-1/4" X-Large Left
PW93ST Swingaway Supports	1060444	1060445	1062756	1062757
PW93ST Swingaway Supports with 2" Longer Slide Tube	1062758	1062759	1062760	1062761

Adjustable Flip-Up Removable Footboard

90FBI (Sling Seat) and 90FB (Captain Seat)



Adjustable Flip-Up Removable Footboard

90FBI (Sling Seat) and 90FB (Captain Seat)

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		7930330-NLA	NLA - Locknut (5/16-24)	25	6
2		1074138-NLA	NLA - Spacer (5/16 x 3/4 x 1")	1	6
3		1074133	Washer, Steel (5/16 x 3/4 x 1/16")	1	2
4		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	6
5		1028600-NLA	NLA - Screw, Hex Head (5/16-24 x 3")	1	6
6		40188X009	Button, Single Snap	1	1
7		1095124-NLA	NLA - Support Tube w/ Spring Assembly	1	1
8		1094626-NLA	NLA - Footboard Pivot Assembly - Right	1	1
8		1094627-NLA	NLA - Footboard Pivot Assembly - Left	1	1
9	B	1094628-NLA	NLA - Footboard Mounting Hardware Assembly (Pair)	1	1
10		1074136-NLA	NLA - Bracket, Mounting, Black	1	1
11		1016291	Cap, Hub, Black	1	1
12		1070398-NLA	NLA - Screw, Hex Head (5/16-18 x 1-1/2")	1	1
13		1028491-NLA	NLA - Washer, Caplugs (11/32" I.D. x 1" O.D.)	1	1
14		1094632-NLA	NLA - Bracket, Stop Pivot Support, Black	1	1
15		1074210-NLA	NLA - Washer, Nylon (23/64 x 3/4 x 5/32")	1	2
16		1094614-NLA	NLA - Bracket, Footboard Receiving, Black - Right	1	1
16		1094615-NLA	NLA - Bracket, Footboard Receiving, Black - Left	1	1
17		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	2
18		1028769	Locknut (5/16-18)	1	2
19	E	1094613-NLA	NLA - Footboard, Black (18" W)	1	1
20		40188X009	Button, Single Snap	1	2
21		1027097	Plug Button, Black (3/4")	1	4
22		1094611-NLA	NLA - Support Tube w/ Snap Tube, Black	1	2
23		1082686	Nut, Barrel, Hex Head (1/4-20 x 11/16")	1	4
24		1058517	Clamp, Footplate	1	2
25		1029545	Screw, Socket Flat Head (1/4-20 x 3/4")	1	4
26	C	1094629-NLA	NLA - Hardware, Footboard (Pair)	1	1
27	D	1094636-NLA	NLA - Kit, Footboard Conversion (18" W) (Including 22" W Captain Seats)	1	1
	A	1078193-NLA	NLA - Instruction Sheet, Footboard Assembly	1	1
NOTE: A - Not Shown B - Includes items 1-5, 7 and 8 C - Includes items 20-25 D - Include items 9, 19, 26 and instruction sheet E - 18" Wide Chairs					

Footrest and Legrest Accessories

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
	A	1032243	Strap, Calf w/ Hook and Loop (36" L)	1	1
	A,B	1032215	H-Strap (26" L)	1	1
	A,C	1032216	H-Strap (31" L)	1	1
NOTE: A - Not Shown B - 16" wide seats C - 17" wide seats and wider					

Footrest and Legrest Accessories (Not Including AT5543)

Footplate Type	Chair Width	Heel Loop Single #	Heel Loop Pair #	Heel Loop w/ Ankle Strap Single # Rt.	Heel Loop w/ Ankle Strap Single # Lt.	Heel Loop w/ Ankle Strap Pair #	Attaching Hardware Pair #
Composite Small (1651)	16-17" W Tapered	1028412-NLA	1035912-NLA	1035908-NLA	1035909-NLA	1035906	1035931
Composite Medium (1651)	16" W or 18-19" W Tapered	1017621	1035917-NLA	1035919	1035920	1035918	1035931
Composite Large (1651)	17-24" W or 20-24" W Tapered	1017621	1035917-NLA	1035932-NLA	1035933-NLA	1035930	1035931
Standard Aluminum (1650)	16-24" W	1017621	1035917-NLA	1035919	1035920	1035918	1035907
Deluxe Aluminum (1450)	16-24" W	1017621	1035917-NLA	1035919	1035920	1035918	1086112-NLA
X-Large Aluminum (1350)	16-24" W	1017621	1035917-NLA	1035919	1035920	1035918	1055241

Attaching Hardware (Not Including AT5543)

Attaching Hardware Part Numbers	Attaching Hardware Part Numbers
1035931	1055241
(2) Screw, Phillips Pan Head (1/4-20 x 2-1/4") (2) Spacer (1/4 x 11/32 x 1-3/4") (2) Hex Nut w/ Nylon Cap (1/4-20) (2) Flat Washer (1/4 x 5/8 x 1/16")	2 ea. Screw, Phillips Pan Head (1/4-20x2-1/4") 2 ea. Spacer (1/4x11/32x1-3/4") 2 ea. Locknut (1/4-20)

Footrest and Legrest Accessories

Attaching Hardware (Not Including AT5543)

Attaching Hardware Part Numbers	Attaching Hardware Part Numbers
1035907	1086112-NLA
(2) Screw, PPH (1/4-20x2-1/2") (2) Spacer (1/4x11/32x1-3/4") (2) Locknut (1/4-20)	(2) Screw, PPH (1/4-20x2-1/2") (2) Spacer (1/4x11/32x1-3/4") (2) Locknut (1/4-20)

Footrest and Legrest Accessories

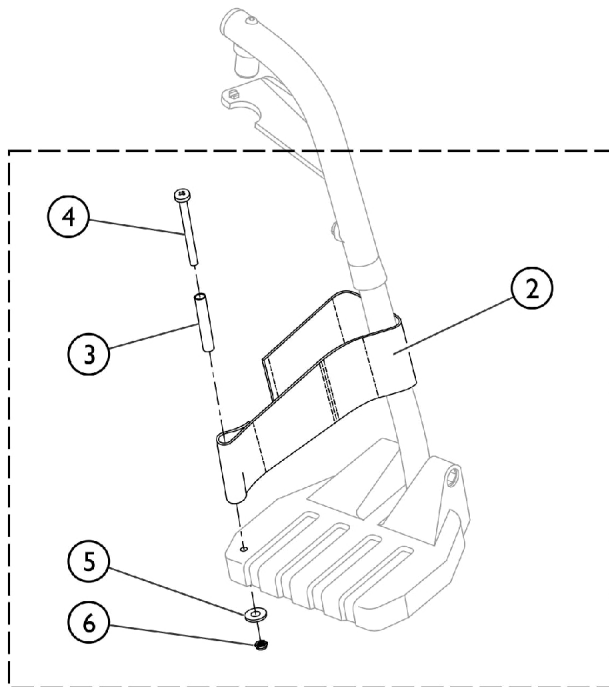
AT5543 Heel Loops and Hardware

Heel Loops and Hardware AT5543 Adjustable Angle	Heel Loops with Ankle Strap and Hardware AT5543 Adjustable Angle
1160723	1160724
(2) Heel Loops (4) Screw, PPH (1/4-20 x 2-1/4") (4) Spacer (4) Locknut (1/4-20)	(2) Heel Loops w/ Ankle Straps (4) Screw, PPH (1/4-20 x 2-1/4") (4) Spacer (4) Locknut (1/4-20)

Toe Loops (1345) and Attaching Hardware

Footplate Type	Toe Loop w/o Hardware Single #	Toe Loop w/o Hardware Pair #	Attaching Hardware Part Number	Attaching Hardware Consists of
1651, 1650, 1450, 1350, Footplates	04572X025	1037087	1037089	(4) Screw, Phillips Pan Head (10-32 x 7/8") (4) Washer (1/4 x 3/4 x 3/32") (4) Locknut (10-32)
AT5543 Footplates	04572X025	1037087	1104749	(4) Screw, Phillips Pan Head (10-32 x 1/2") (4) Washer (1/4 x 3/4 x 3/32")

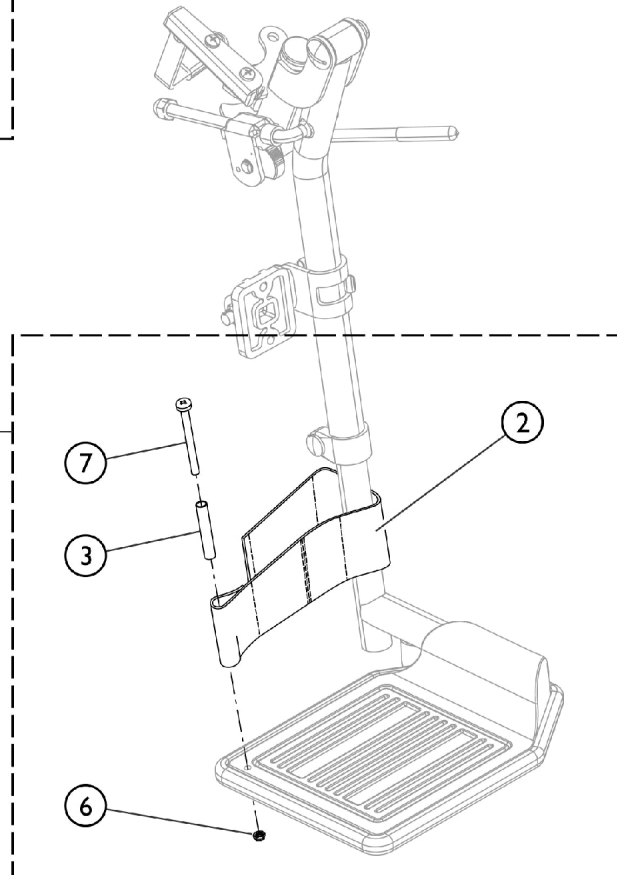
Front Riggings - Adjustable Heel Loops



① **Heel Loop and Hardware for All Footplate Options (Except Deluxe 1450)**

Heel Loop and Hardware for Deluxe (1450) Footplates

⑪



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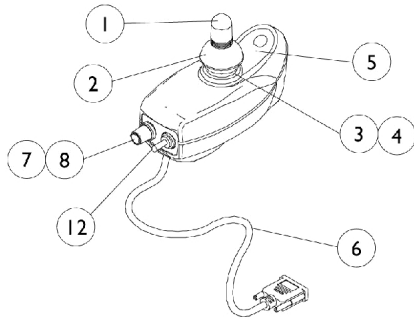
Front Riggings - Adjustable Heel Loops

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1191117	Kit, Heel Loop, Adjustable w/ Hardware (Pair)	1	1
2			Heel Loop	1	2
3			NLA - Spacer (1/4 x 11/32 x 1-3/4")	1	2
4			NLA - Screw, Phillips Pan Head (1/4-20 x 2-1/4")	1	2
5			Washer, Flat (1/4 x 5/8 x 1/16")	1	2
6			Nut, Hex, Nylon Cap (1/4-20)	1	2
			Instruction Sheet, Adjustable Heel Loop	1	1
11	B	1191116	Kit, Heel Loop, Adjustable w/ Hardware, Deluxe 1450 (Pair)	1	1
2			Heel Loop	1	2
3			NLA - Spacer (1/4 x 11/32 x 1-3/4")	1	2
6			Nut, Hex, Nylon Cap (1/4-20)	1	2
7			NLA - Screw, Phillips Pan Head (1/4-20 x 2-1/2")	1	2
			Instruction Sheet, Adjustable Heel Loop	1	1

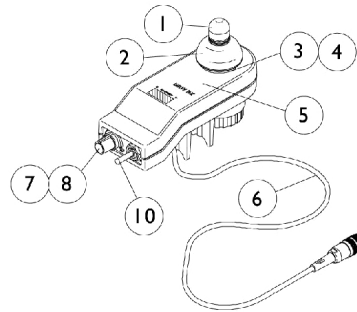
NOTE: A - Kit includes items 2 - 6. Used with All Footplates except Deluxe (1450).
 B - Kit includes items 2, 3, 6, and item 7. Used with Deluxe (1450) Footplates only.

MKIV Joysticks

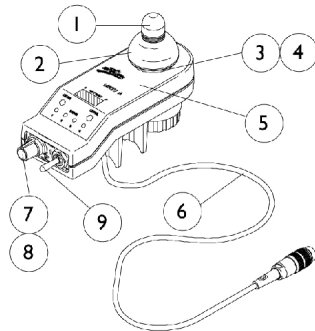
RII, RX, A, A+, TCHJOY



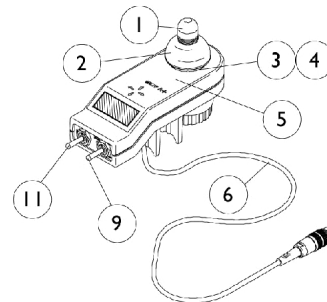
1092610
RII Joystick



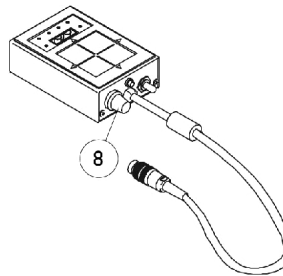
1038603
RX Joystick



1065944
A Joystick



1038608
A+ Joystick



1095289
TCHJOY
Touchpad "A"
Joystick

MKIV Joysticks

RII, RX, A, A+, TCHJOY

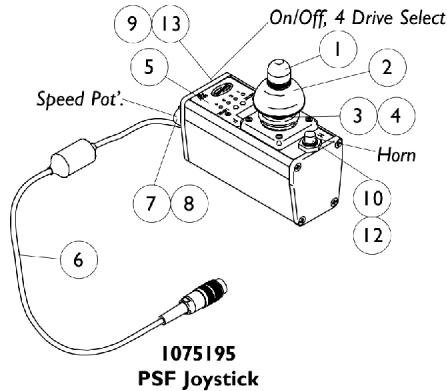
Item Number	Description	RII	RX	A	A+	TCHJOY
See Pictorial	Joystick Assembly	1092610-NLA	1038603-NLA	1065944-NLA	1038608-NLA	1095289-NLA
1	Knob, Joystick	1040217	1040217	1040217	1040217	N/A
2	Skirt, Joystick	1040218	1040218	1040218	1040218	N/A
3	Inductive, Joystick	1036764-NLA See Note(s) A	1036764-NLA See Note(s) B	1036764-NLA See Note(s) B	1036764-NLA See Note(s) A	N/A
3	Inductive, Joystick	N/A	1104397-NLA See Note(s) C	1104397-NLA See Note(s) C	N/A	N/A
4	Boot, Joystick	50000X364-NL A	50000X364-NL A	50000X364-NL A	50000X364-NL A	N/A
5	Overlay, Joystick Decal	N/A	1038642-NLA	1040190-NLA	1036776-NLA	N/A
6	Cable Assembly	N/A	1036750-NLA See Note(s) B	1036750-NLA See Note(s) B	1036750-NLA See Note(s) A	N/A
6	Cable Assembly	N/A	1104205-NLA See Note(s) C	1104205-NLA See Note(s) C	N/A	N/A
7	Potentiometer, Speed	1040225-NLA See Note(s) A	1040225-NLA See Note(s) B	1040225-NLA See Note(s) B	N/A	N/A
7	Potentiometer, Speed	N/A	1115518-NLA See Note(s) C	1115518-NLA See Note(s) C	N/A	N/A
8	Knob, Potentiometer	1025516-NLA	1025516-NLA	1025516-NLA	N/A	1025516-NLA
9	Switch, On/Off Momentary	N/A	N/A	1040185-NLA See Note(s) B	1040185-NLA See Note(s) A	N/A
9	Switch, On/Off Momentary	N/A	N/A	1115523-NLA See Note(s) C	N/A	N/A
10	Switch, Off/ 1-2	N/A	1038627-NLA See Note(s) B	N/A	N/A	N/A
10	Switch, Off/ 1-2	N/A	1115521-NLA See Note(s) C	N/A	N/A	N/A
11	Switch, Program	N/A	N/A	N/A	1040186-NLA See Note(s) A	N/A
12	Switch, Toggle SPDT	1010042-NLA See Note(s) A	N/A	N/A	N/A	N/A

NOTE: A - Item requires soldering
B - Before 10/01/02 item requires soldering
C - After 9/30/02 item has a non-solder connector.

MKIV Joysticks

PSF and PSR

NOTE: PSR STANDARD joystick configuration below show the on/off switch on the left side for part # 1075196. When the on/off switch is required on the right side, refer to part number 8881075196 and order as a configured part.



STANDARD: This PSR joystick includes a toggle on/off combined with a drive select and a push button horn. No speed selector.

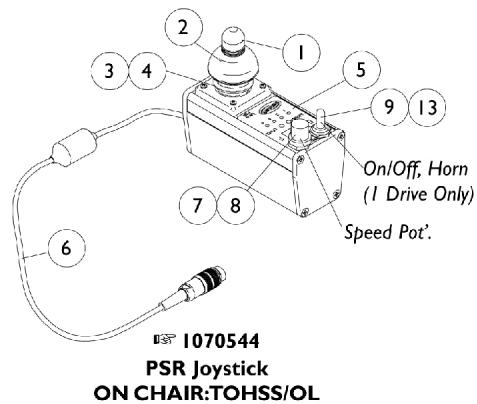
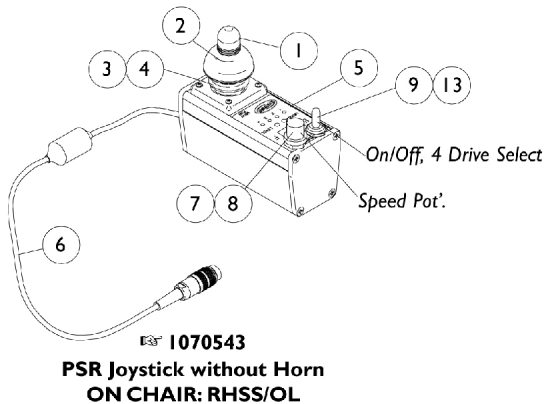
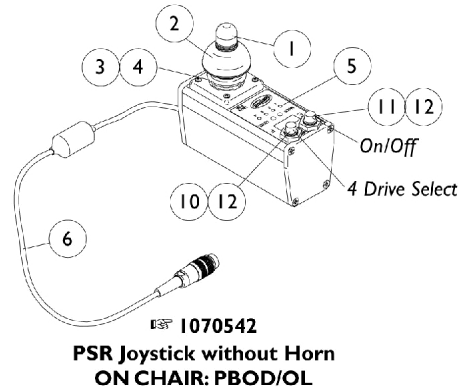
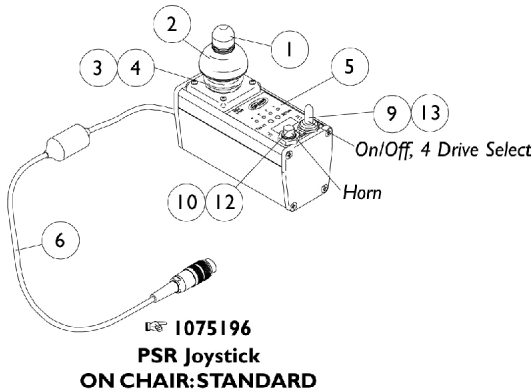
PBOD: This PSR joystick includes push button on/off with a push button drive select. This gives you access to the four drives, but no horn and no speed select.

RHSS: This PSR joystick replaces the horn with a speed selector. This allows you to deviate from having a horn to having a speed select dial, plus the drive selector to the four drives.

TOHSS: This PSR joystick includes a toggle on/off with horn and a speed select dial. You have access to only one drive.

OL: On/Off positioned on left side of the PSR joystick.

OR: On/Off positioned on right side of the PSR joystick.



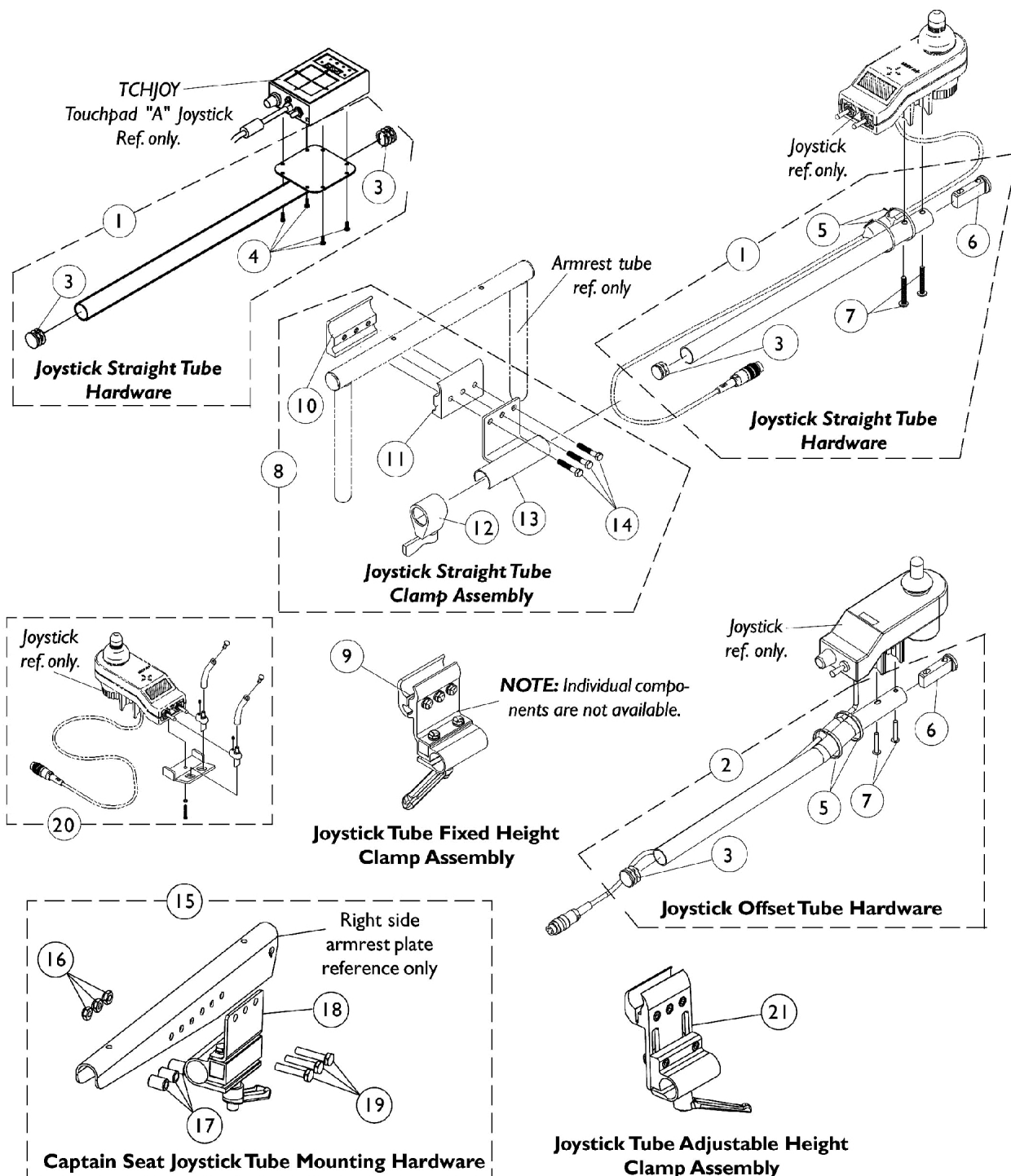
MKIV Joysticks

PSF and PSR

NOTE: PSR STANDARD joystick configuration below show the on/off switch on the left side for part # 1075196. When the on/off switch is required on the right side, refer to part number 8881075196 and order as a configured part.

Item Number	Description	PSF After 11/30/97	PSR After 11/30/97
See Pictorial	Joystick Assembly	N/A	1075196-NLA
See Pictorial	Joystick Assembly	1075195-NLA	8881075196
See Pictorial	Joystick Assembly	N/A	1070542-NLA
See Pictorial	Joystick Assembly	N/A	1070543-NLA
See Pictorial	Joystick Assembly	N/A	1070544-NLA
1	Knob, Joystick	1040217	1040217
2	Skirt, Joystick	1040218	1040218
3	Inductive, Joystick	1036764-NLA	1036764-NLA
4	Boot, Joystick	50000X364-NLA	50000X364-NLA
5	Overlay, Joystick Decal	1075034-NLA	1079925-NLA
6	Cable Assembly	1036750-NLA	1036750-NLA
7	Potentiometer Speed	1040225-NLA	1040225-NLA
8	Knob Potentiometer	1025516-NLA	1025516-NLA
9	Switch, On/Off Momentary	1040185-NLA	1040185-NLA
10	Switch, Push Button SPST Momentary	1010047-NLA	1010047-NLA
11	Switch, Push Button SPST	N/A	1010048-NLA
12	Boot, Switch	1010049-NLA	1010049-NLA
13	Boot, Switch	1058464-NLA	1058464-NLA

MKIV Joystick Mounting Hardware and Joystick Accessories

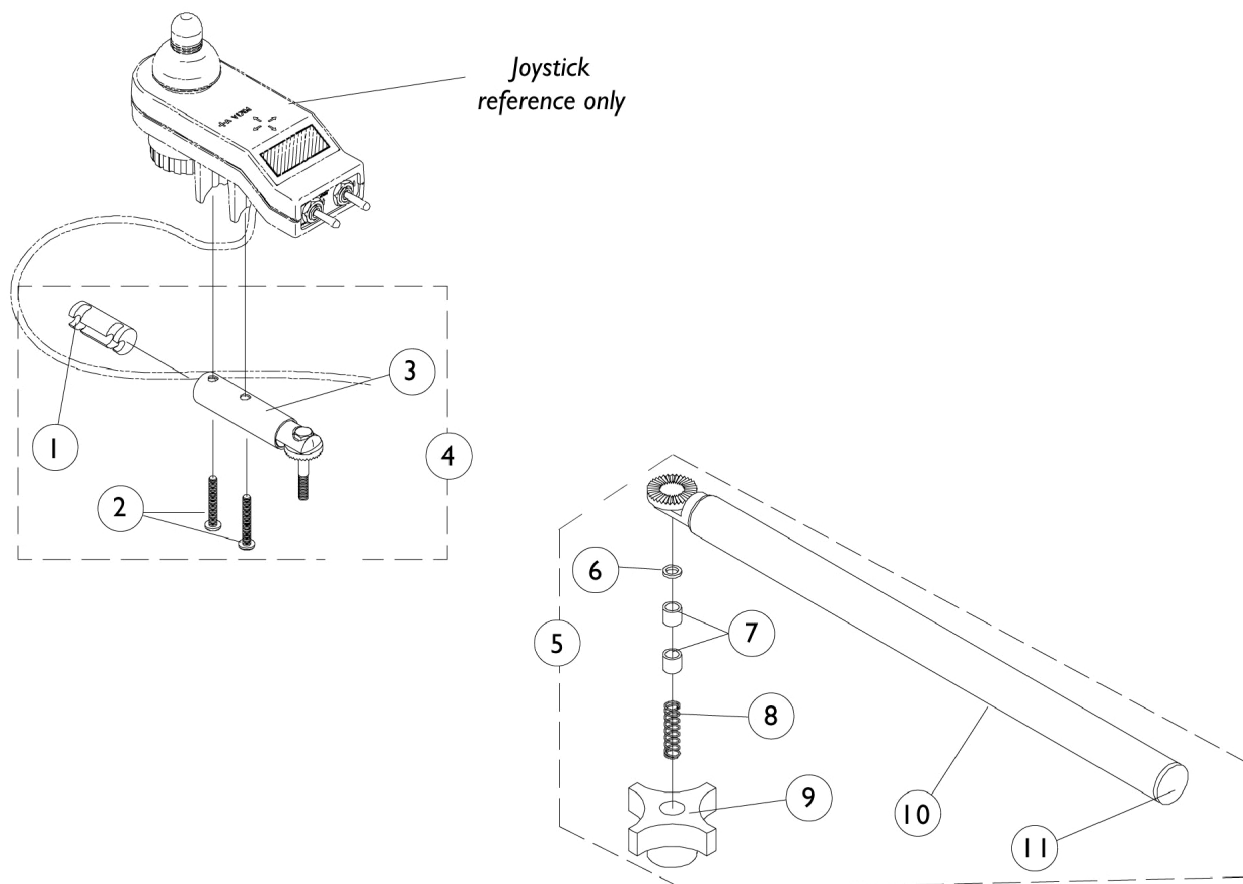


MKIV Joystick Mounting Hardware and Joystick Accessories

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	B,N	1092604-NLA	NLA - Kit, Straight Joystick Tube with Hardware	1	1
1	C,D,K	1043568	Kit, Straight Joystick Tube with Hardware	1	1
2	D,E,L,L 1	1093069	Kit, 1/2" Offset Joystick Tube with Hardware	1	1
3		1027095	Plug Button, Black (7/8")	1	1
4		1052041	Screw, Phillips Pan Head (#4-40 x 3/8")	1	1
5	F	1095502-NLA	NLA - Package, Tie Wrap (11-1/2" L)	10	2
6		1093063	Spacer, Joystick Tube, Black	1	1
7		1025714	Screw, Phillips Pan Head (#10-32 x 1-1/8")	1	1
8	C,G,J	1049591-NLA	NLA - Hardware, Joystick Tube Mounting	1	1
9	E,L,L1	1093071	Clamp, Fixed Height Joystick Tube	1	1
10		1027267-NLA	NLA - Half Clamp, Threaded Holes	1	1
11		1027266	Half Clamp, Non-Threaded Holes	1	1
12		1027274	Adjustment Lock Assembly, Black	1	1
13		1049582-NLA	NLA - Bracket, Joystick Mounting, Black	1	1
14		16690X004-NLA	NLA - Screw, Hex Head (1/4-20 x 1-1/8")	1	1
15	H	1105050-NLA	NLA - Kit, Joystick Tube Mounting Hardware - Captain/ Van Seat	1	1
16		1025195	Locknut (1/4-20)	1	1
17		1101524-NLA	NLA - Spacer (1/4 x 7/16 x 5/8")	1	3
18		1105049	Clamp Assembly, Fixed Height, Captain/ Van Seat	1	1
19		1057955	Screw, Hex Head (1/4-20 x 1-1/4")	1	3
20		1055736-NLA	NLA - Kit, Toggle Switch Extension	1	1
21		1139422	Clamp, Height Adjustable Joystick Tube (ARM250)	1	1
	A	1006270	Extension, Joystick, "T" Style (1560) (4" W x 5-1/2" L)	1	1
	A	1006271	Extension, Joystick, Straight Style (1561) (1/2" W x 5" L)	1	1

NOTE: A - Not Shown.
 B - Includes items 3 and 4.
 C - Before 10/4/00.
 D - Includes items 3, 5, 6 and 7.
 E - After 10/3/00. MKIV RII, RX, A, A+ PSF/PSR.
 F - Package of 10.
 G - Includes items 10-14.
 H - Includes items 16-19.
 J - PS, TCHJOY and (RII, RX, A, A+, PSF/PSR).
 K - MKIV RII, RX, A, A+ PSF/PSR.
 L - The joystick straight tube changed to an offset joystick tube on 10/4/00. The joystick tube mounting hardware also changed to a new fixed height clamp assembly to allow an individual to use an
 L1 - adjustment lever to securely hold the joystick tube in place. The fixed height joystick tube clamp can be used as a direct replacement in the field for the joystick tube mounting hardware part number 1049591 manufactured for chairs before 10/4/00.
 N - Due to product improvement, the joystick mounting bracket with a separate adjustment lock was replaced with the clamp assembly shown as of 2/20/03 and is backward compatible.

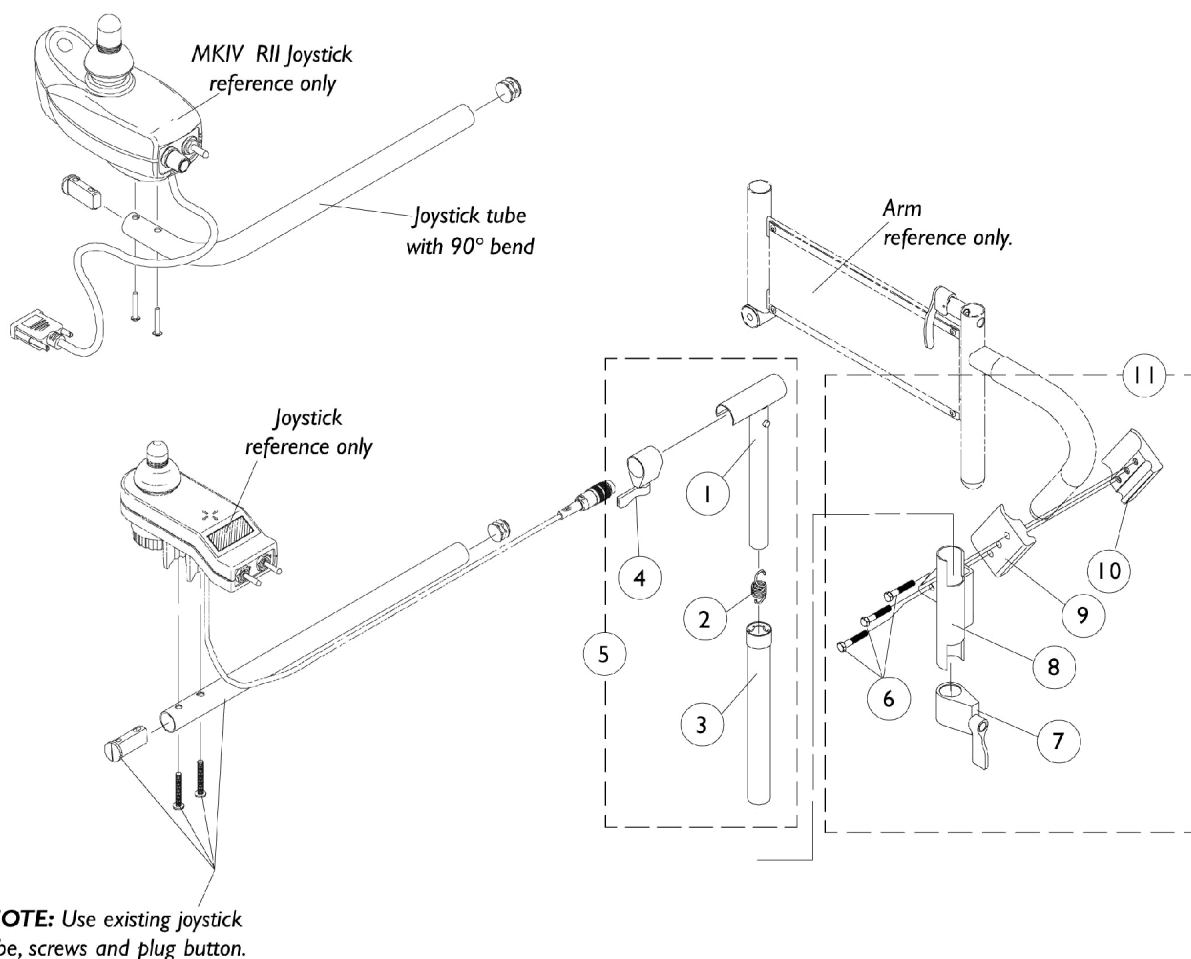
MKIV Swivel Joystick Hardware



Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1093063	Spacer, Joystick Tube, Black	1	1
2		7930327-NLA	NLA - Package, Screw, Phillips Pan Head (#10-32 x 1-1/8")	25	3
3		1049962-NLA	NLA - Bracket, Swivel Joystick, MKIV	1	1
4		1049963-NLA	NLA - Bracket, Swivel Joystick with Hardware	1	1
5		1035986-NLA	NLA - Joystick Swivel Tube with Hardware, Black	1	1
6		1020551-NLA	NLA - Washer, Flat (1/4 x 3/8 x 1/16")	1	1
7		1005844-NLA	NLA - Bushing	1	2
8		1002511-NLA	NLA - Spring, Hitch Bracket	1	1
9		1023670-NLA	NLA - Knob, Clamping, Grey	1	1
10		1035990-NLA	NLA - Tube, Swivel Joystick, Black	1	1
11		1027095	Plug Button, Black (7/8")	1	1

MKIV Mid-Line Swing Bracket Assembly

NOTE: Joystick tube with 90 degree bend replaces the standard tube when joysticks PSF, PSR and (RII part number 1092610) are used. Joystick Tube with 90 degree bend must be ordered as a special when a replacement is needed.



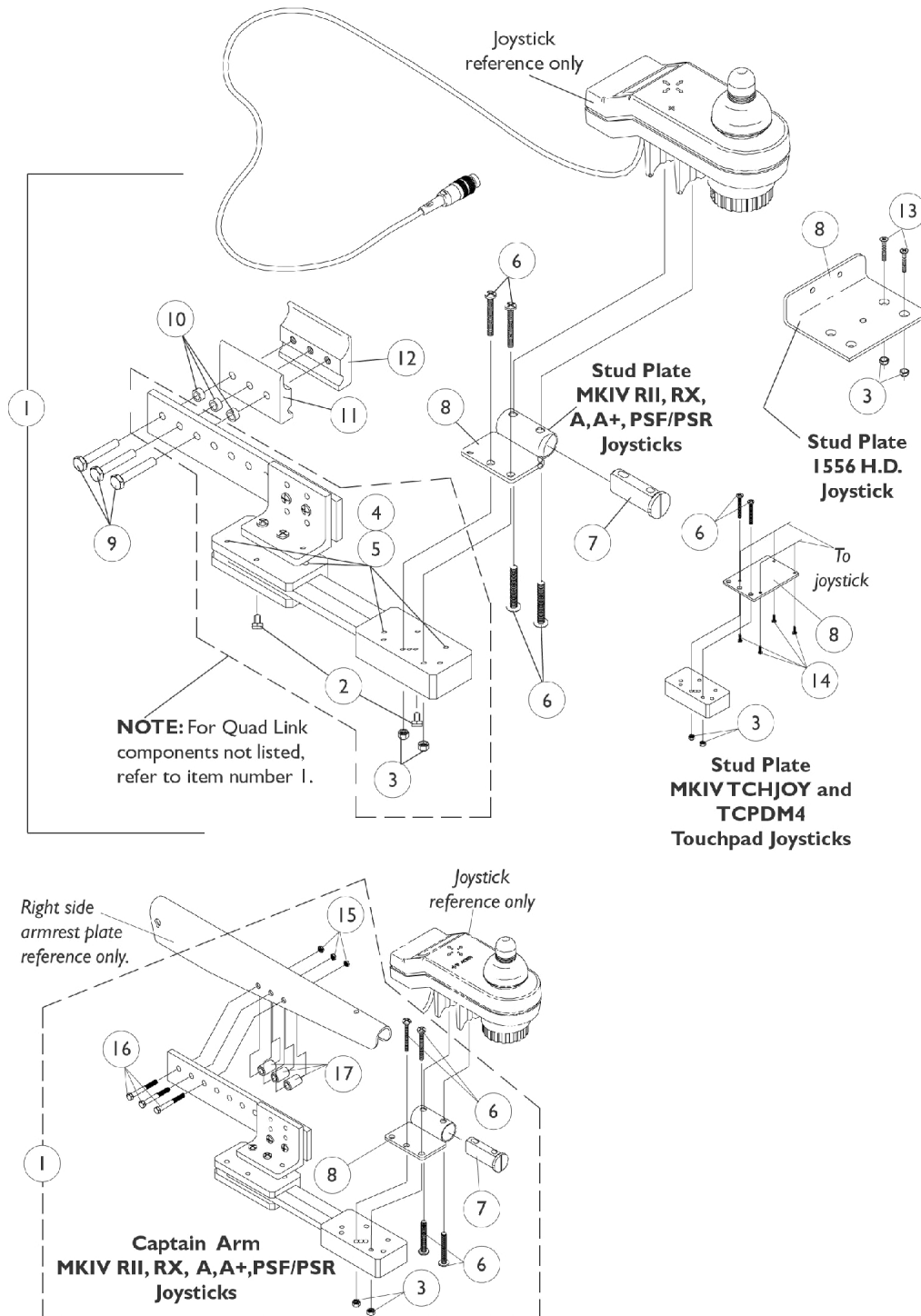
MKIV Mid-Line Swing Bracket Assembly

NOTE: Joystick tube with 90 degree bend replaces the standard tube when joysticks PSF, PSR and (RII part number 1092610) are used. Joystick Tube with 90 degree bend must be ordered as a special when a replacement is needed.

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1035528-NLA	NLA - Tube, Adjustment, Inside, Mid-Line, Black	1	1
2		1016778-NLA	NLA - Spring, Extension (9/16 x 1-3/8" L)	1	1
3		1035860-NLA	NLA - Tube, Adjustment, Outside, Mid-Line, Black	1	1
4		1027274	Adjustment Lock Assemnbly, Black	1	1
5	B	1035852-NLA	NLA - Swing Bracket Assembly, Mid-Line, Black	1	1
6		7930349-NLA	NLA - Screw, Hex Head (1/4-20 x 1-1/8")	25	3
7		1027274	Adjustment Lock Assemnbly, Black	1	1
8	A	1071879-NLA	NLA - Bracket, Joystick Mounting, Black	1	1
9		1027266	Half Clamp, Non-Threaded Holes	1	1
10		1027267-NLA	NLA - Half Clamp, Threaded Holes	1	1
11	A,C	1071880-NLA	NLA - Hardware, Attaching - Mid-Line	1	1
	D	1092610-NLA	NLA - Joystick, RII	1	1
NOTE: A - Left side joystick mounting bracket or hardware must be ordered as special. B - Includes items 1-4 C - Includes items 6-10 D - Not Shown					

Quad Link Assembly

Before 4/07/06



Quad Link Assembly

Before 4/07/06

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1052402-NLA	NLA - Kit, Quad Link Assembly - Right	1	1
2			NLA - Ball Plunger Assembly with Lock Washer	2	1
3			Locknut (#10-32)	1	2
4			NLA - Screw, Cap, Socket Head (#10-32 x 1/2")	1	4
5			NLA - Bushing, Bronze (3/16 x 1/4 x 1/4")	1	4
6			Screw, Phillips Pan Head (#10-32 x 1-1/8")	1	4
7			Spacer, Joystick Tube, Black	1	1
8			NLA - Stud Plate, Quad Link	1	1
9			Screw, Hex Head (1/4-20 x 1-1/2")	1	3
10			NLA - Spacer (1/4 x 3/8 x 3/16")	1	3
11			Half Clamp, Non-Threaded Holes	1	1
12			NLA - Half Clamp, Threaded Holes	1	1
1	A	1115372-NLA	NLA - Kit, Quad Link Assembly - Left	1	1
2			NLA - Ball Plunger Assembly with Lock Washer	2	1
3			Locknut (#10-32)	1	2
4			NLA - Screw, Cap, Socket Head (#10-32 x 1/2")	1	4
5			NLA - Bushing, Bronze (3/16 x 1/4 x 1/4")	1	4
6			Screw, Phillips Pan Head (#10-32 x 1-1/8")	1	4
7			Spacer, Joystick Tube, Black	1	1
8			NLA - Stud Plate, Quad Link	1	1
9			Screw, Hex Head (1/4-20 x 1-1/2")	1	3
10			NLA - Spacer (1/4 x 3/8 x 3/16")	1	3
11			Half Clamp, Non-Threaded Holes	1	1
12			NLA - Half Clamp, Threaded Holes	1	1
1	B,E	1034703-NLA	NLA - Kit, Quad Link Assembly - Right	1	1
2			NLA - Ball Plunger Assembly with Lock Washer	2	1
3			Locknut (#10-32)	1	2
4			NLA - Screw, Cap, Socket Head (#10-32 x 1/2")	1	4
5			NLA - Bushing, Bronze (3/16 x 1/4 x 1/4")	1	4
8			Plate, Stud, Quad Link For 1556 Heavy Duty Joystick	1	1
9			Screw, Hex Head (1/4-20 x 1-1/2")	1	3
10			NLA - Spacer (1/4 x 3/8 x 3/16")	1	3
11			Half Clamp, Non-Threaded Holes	1	1
12			NLA - Half Clamp, Threaded Holes	1	1
13			Screw, Phillips Flat Head (#10-32 x 1-1/8")	1	2
1	B	1114866-NLA	NLA - Kit, Quad Link Assembly - Left	1	1
2			NLA - Ball Plunger Assembly with Lock Washer	2	1
3			Locknut (#10-32)	1	2
4			NLA - Screw, Cap, Socket Head (#10-32 x 1/2")	1	4
5			NLA - Bushing, Bronze (3/16 x 1/4 x 1/4")	1	4
8			Plate, Stud, Quad Link For 1556 Heavy Duty Joystick	1	1

Quad Link Assembly

Before 4/07/06

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
9	C	1102027-NLA	Screw, Hex Head (1/4-20 x 1-1/2")	1	3
10			NLA - Spacer (1/4 x 3/8 x 3/16")	1	3
11			Half Clamp, Non-Threaded Holes	1	1
12			NLA - Half Clamp, Threaded Holes	1	1
13			Screw, Phillips Flat Head (#10-32 x 1-1/8")	1	2
1			NLA - Kit, Quad Link Assembly - Right For TCHJOY/TCPDM4 Touchpad	1	1
2			NLA - Ball Plunger Assembly with Lock Washer	2	1
3			Locknut (#10-32)	1	2
4			NLA - Screw, Cap, Socket Head (#10-32 x 1/2")	1	4
5			NLA - Bushing, Bronze (3/16 x 1/4 x 1/4")	1	4
6			Screw, Phillips Pan Head (#10-32 x 1-1/8")	1	2
8			NLA - Plate, Stud, Quad Link MKIV TCHJOY/TCPDM4	1	1
9			Screw, Hex Head (1/4-20 x 1-1/2")	1	3
10			NLA - Spacer (1/4 x 3/8 x 3/16")	1	3
11			Half Clamp, Non-Threaded Holes	1	1
12	D	1074153-NLA	NLA - Half Clamp, Threaded Holes	1	1
14			NLA - Screw, Phillips Flat Head Countersunk (#4-40 x 3/8")	1	4
1			NLA - Kit, Quad Link Assembly - Right For Van Seats	1	1
2			NLA - Ball Plunger Assembly with Lock Washer	2	1
3			Locknut (#10-32)	1	2
4			NLA - Screw, Cap, Socket Head (#10-32 x 1/2")	1	4
5			NLA - Bushing, Bronze (3/16 x 1/4 x 1/4")	1	4
6			Screw, Phillips Pan Head (#10-32 x 1-1/8")	1	4
7			Spacer, Joystick Tube, Black	1	1
8			NLA - Stud Plate, Quad Link	1	1
15			Locknut (1/4-20)	1	3
16			Screw, Hex Head (1/4-20 x 1-1/2")	1	3
17			NLA - Spacer (1/4 x 7/16 x 5/8")	1	3
2		1114863-NLA	NLA - Ball Plunger Assembly with Lock Washer	2	1

NOTE: A - Includes the Quad Link, items 2-12 and used with MKIV RII, RX, A, A+, PSF/PSR joysticks
B - Includes the Quad Link, items 2-5, 8-13 and used with a 1556 Heavy Duty joystick
C - Includes the Quad Link, items 2-6, 8-12, 14 and used with MKIV TCHJOY/TCPDM4 joysticks. Left side mounted Quad Link must be ordered as a special
D - Includes the Quad Link, items 2-8, 15-17 and used with MKIV RII, RX, A, A+, PSF/PSR joysticks attached to a van seat. Left side mounted Quad Link must be ordered as a special
E - Quad Link Assembly is no longer available. Please see Quad Link Assembly (After 4/06/06) category and use new Quad Link design as a replacement.

Quad Link Assembly (QL)

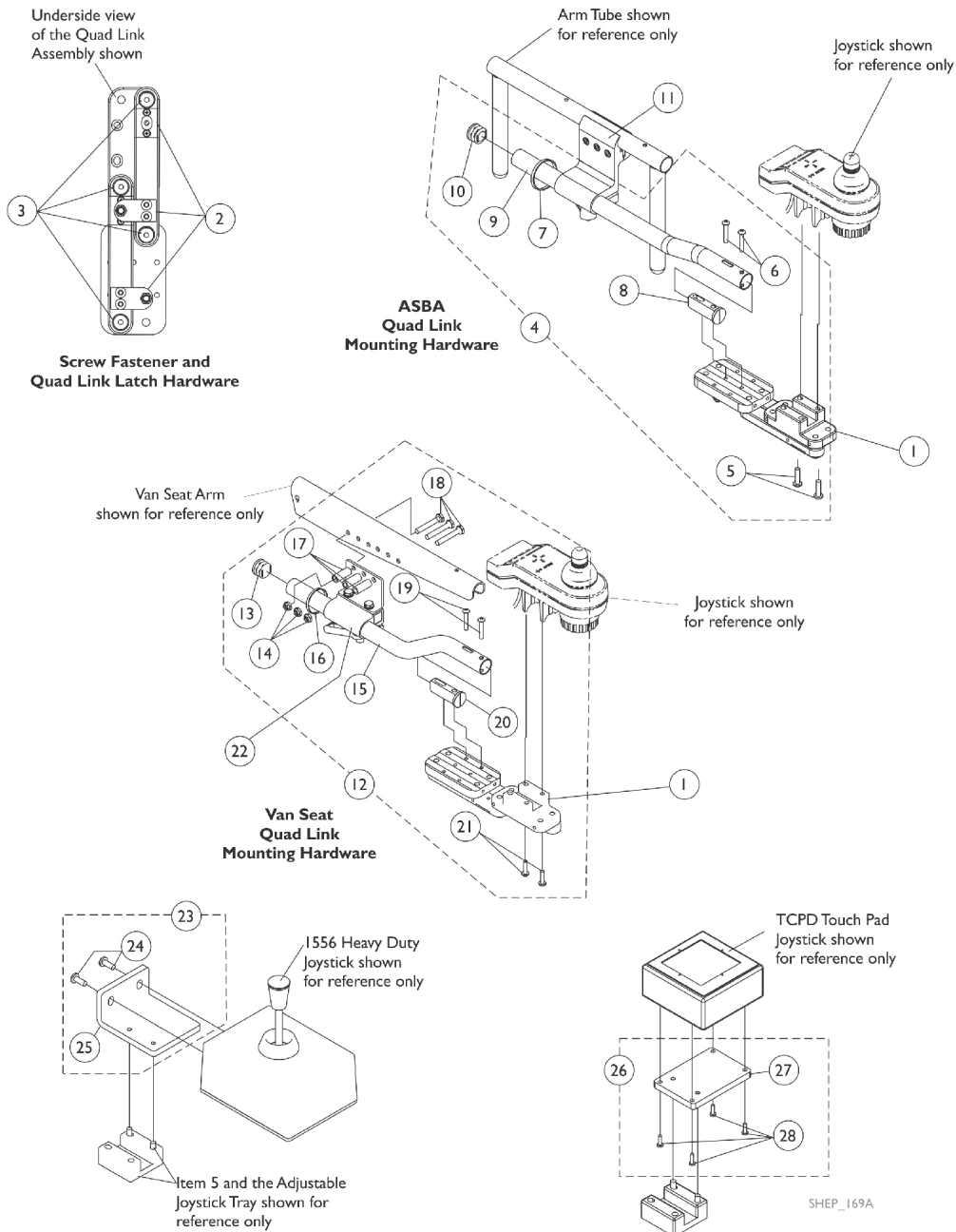
After 4/06/06

When converting an old style Quad Link that attaches to a mounting plate or (a Flex or Touch Pad Joystick Tube) is currently on the chair then order the following for:

a) ASBA Seat; Quad Link Mtg. Hdw. (item 4), Quad Link (item 1) & Ht. Adj. Joystick Tube Clamp (item 11)

b) Van Seat; Quad Link Mtg. Hdw. (item 12), Quad Link (item 1) & Joystick Tube Clamp (item 22)

NOTE: Substitute (item 4 & 12) with 2 ea. of the PPH Screws (item 5) when an offset joystick tube is currently on the chair. Additional Joystick Mtg. Hdw. must be ordered when a 1556 Heavy Duty or TCPD Touch Pad is used.



Quad Link Assembly (QL)

After 4/06/06

When converting an old style Quad Link that attaches to a mounting plate or (a Flex or Touch Pad Joystick Tube) is currently on the chair then order the following for:

a) ASBA Seat; Quad Link Mtg. Hdwr. (item 4), Quad Link (item 1) & Ht. Adj. Joystick Tube Clamp (item 11)

b) Van Seat; Quad Link Mtg. Hdwr. (item 12), Quad Link (item 1) & Joystick Tube Clamp (item 22)

NOTE: Substitute (item 4 & 12) with 2 ea. of the PPH Screws (item 5) when an offset joystick tube is currently on the chair. Additional Joystick Mtg. Hdwr. must be ordered when a 1556 Heavy Duty or TCPD Touch Pad is used.

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1140898	Quad Link (QL) with Instruction Sheet - Right	1	1
1		1140899	Quad Link (QL) with Instruction Sheet - Left	1	1
2	A	1140425	Kit, Quad Link Latch Hardware	1	1
3	B	1140424-NLA	NLA - Kit, Quad Link Screw Fastener Hardware	1	1
4	C,C1	1142937	Kit, ASBA/ADJASBA Quad Link Mounting Hardware	1	1
5			Screw, Phillips Pan Head w/ Patch (#10-32 x 3/4")	1	2
6			Screw, Phillips Pan Head (#10-32 x 1-1/8")	1	2
7			Tie Wrap (11-1/2" L)	1	1
8			Spacer, Joystick Tube, Black	1	1
9			Tube, Joystick Offset (2")	1	1
10			Plug Button, Black (7/8")	1	1
5		1105414	Screw, Phillips Pan Head w/ Patch (#10-32 x 3/4")	1	2
11		1093071	Clamp, Fixed Height Joystick Tube	1	1
12	C1,G,H,H1	1143041-NLA	NLA - Kit, Quad Link Mounting Hardware - Van Seat	1	1
13			Plug Button, Black (7/8")	1	1
14			Locknut (1/4-20)	1	3
15			Tube, Joystick Offset (2")	1	1
16			Tie Wrap (11-1/2" L)	1	1
17			NLA - Spacer (1/4 x 7/16 x 5/8")	1	3
18			Screw, Hex Head (1/4-20 x 1-1/4")	1	3
19			Screw, Phillips Pan Head (#10-32 x 1-1/8")	1	2
20			Spacer, Joystick Tube, Black	1	1
21			Screw, Phillips Pan Head w/ Patch (#10-32 x 3/4")	1	2
22		1139681	Clamp Assembly, Fixed Height, Captain/ Van Seat	1	1
23	D	1139925-NLA	NLA - Kit, 1556 Heavy Duty Joystick To Quad Link Mounting Hardware	1	1
24			Screw, Phillips Pan Head (#10-32 x 1/2")	1	2
25			NLA - Plate, 1556 HD Joystick Quad Link	1	1
26	E	1139683-NLA	NLA - Kit, TCPD Touch Pad To Quad Link Mounting Hardware	1	1
27			Plate, TCPD Touch Pad Quad Link	1	1
28			Screw, Phillips Pan Head (#4-40 x 3/8")	1	4
29		1139682-NLA	NLA - Kit, MPJ Joystick To Quad Link Mounting Hardware	1	1
30			NLA - T-Nut (#10-32)	1	2
	F	1134844	Instruction Sheet, Quad Link	1	1

Quad Link Assembly (QL)

After 4/06/06

When converting an old style Quad Link that attaches to a mounting plate or (a Flex or Touch Pad Joystick Tube) is currently on the chair then order the following for:

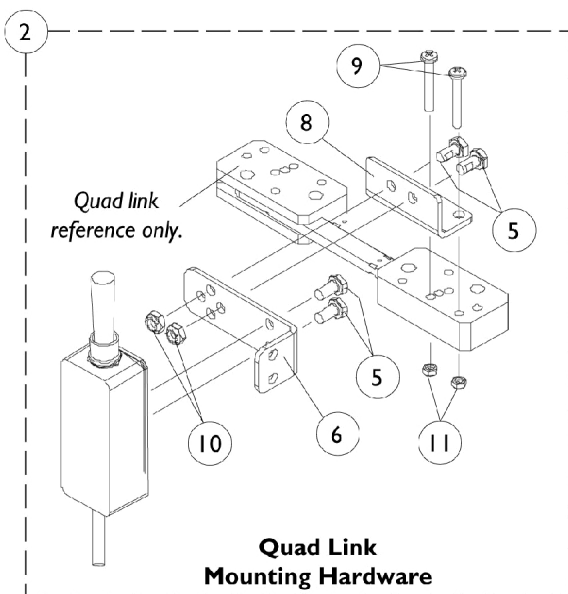
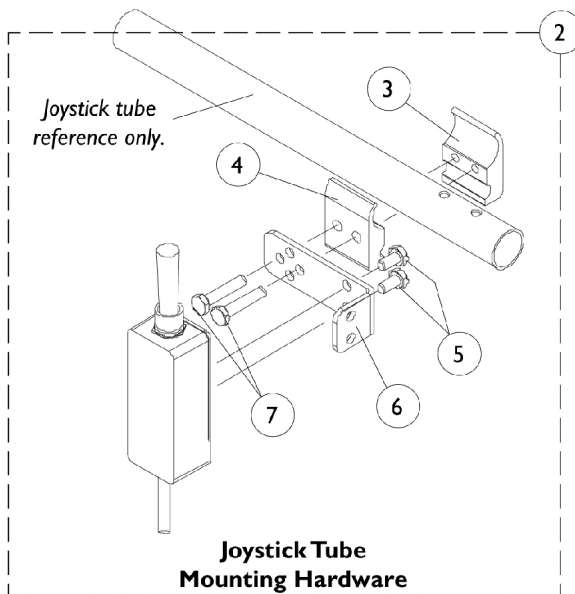
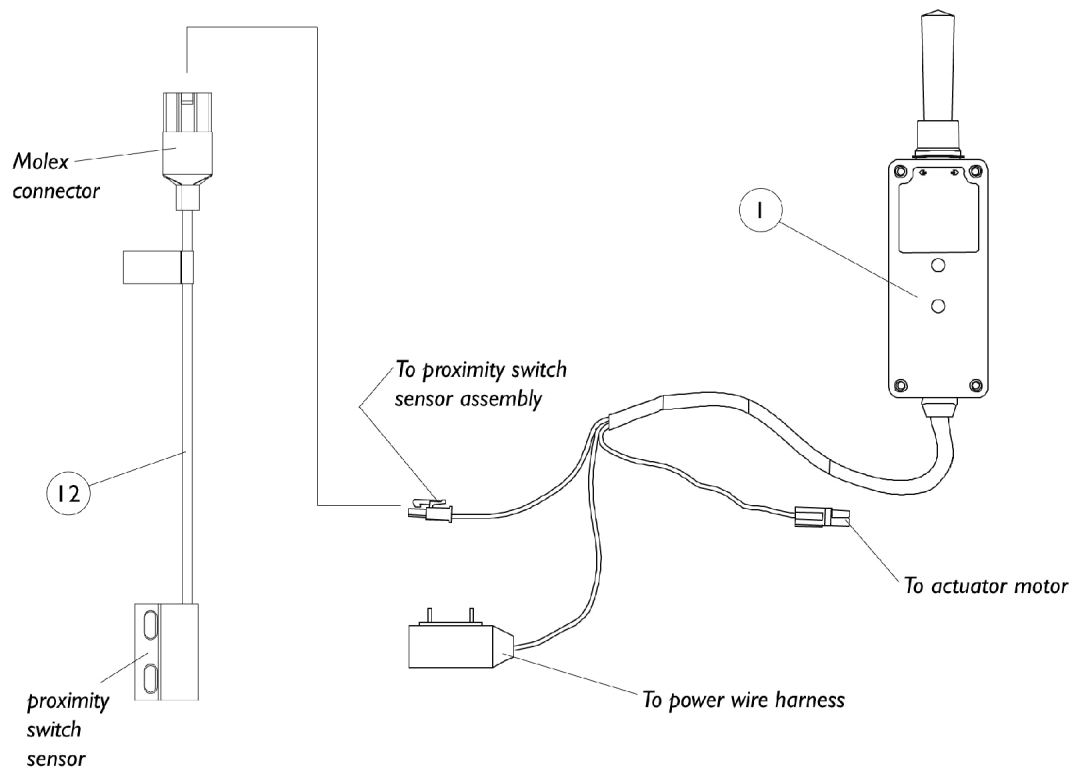
a) ASBA Seat; Quad Link Mtg. Hdwr. (item 4), Quad Link (item 1) & Ht. Adj. Joystick Tube Clamp (item 11)

b) Van Seat; Quad Link Mtg. Hdwr. (item 12), Quad Link (item 1) & Joystick Tube Clamp (item 22)

NOTE: Substitute (item 4 & 12) with 2 ea. of the PPH Screws (item 5) when an offset joystick tube is currently on the chair. Additional Joystick Mtg. Hdwr. must be ordered when a 1556 Heavy Duty or TCPD Touch Pad is used.

NOTE: A - Latch Kit includes 4 ea. Button Head Cap Screws (10-32 x 3/8"), 2 ea. Latch Spring Assembly, 4 ea. Phillips Flat C'Sunk Head Screws, 2 ea. Spring Catch Plates, 2 ea. Socket Head Set Screws (10-32 x 3/8")
B - Screw Fastener Kit includes 4 ea. Socket Head Shoulder Screws (3/8 x 3/8"), 2 ea. Socket Head Cap Screws (1/4-20 x 3/8"), 2 ea. Socket Head Set Screws (1/4-20 x 1/2"), 4 ea. Socket Head Set Screws (10-32 x 1/8")
C - Includes items 5-10. The Quad Link Mounting Hardware accommodates MKIV RII, and PSF/PSR joysticks.
C1 - When ordering the Quad Link for the first time, Additional hardware is required for 1556 Heavy Duty and TCPD Touch Pad joysticks. See pictorial for reference.
D - Includes items 24 and 25
E - Includes items 27 and 28
F - Not Shown
G - Includes items 13-21. The Quad Link Mounting Hardware accommodates MKIV RII, and PSF/PSR joysticks.
H - If Quad Link is to be mounted on chairs w/ van seats built Before 4/07/06, then the Armrest Attach. Hdwr. (1074120) must be ordered as well.
H1 - The new armrest plates have 3 additional holes drilled so that the quad link can be properly mounted.

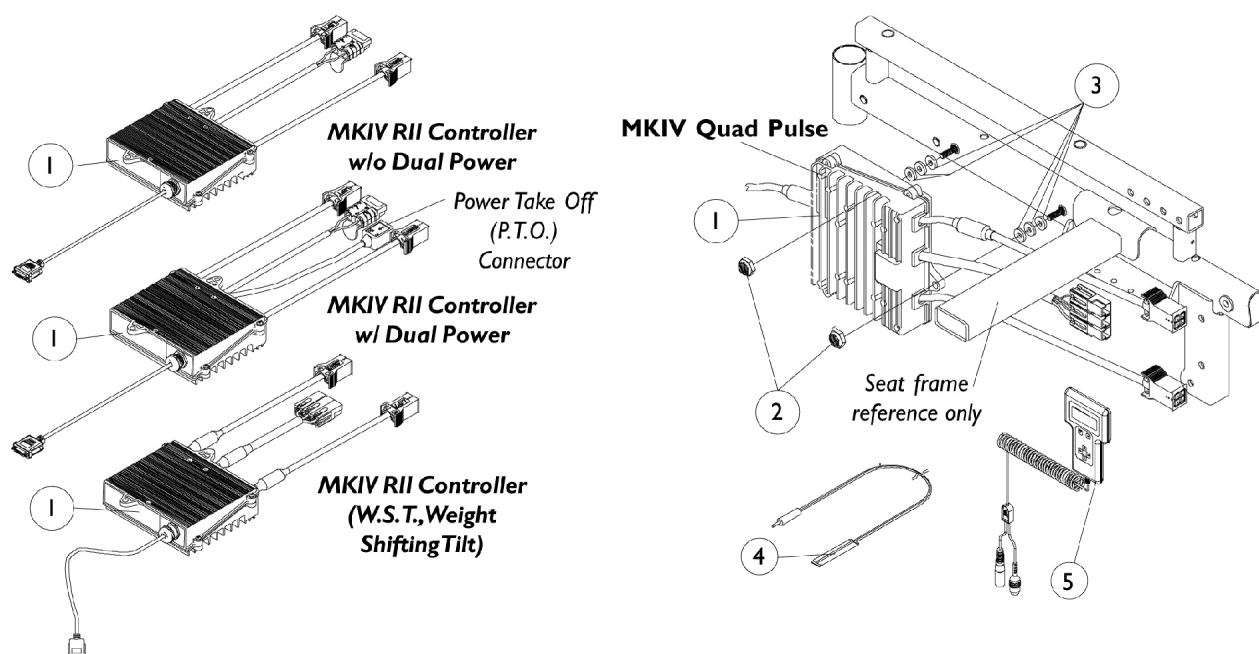
MKIV Elevating Seat Toggle Switch



MKIV Elevating Seat Toggle Switch

Item Number	Note	Part Number	Description	Quantity Per		
				Package	Assembly	
1	A	1105700-NLA	NLA - Switch, MKIV Elevating Seat Toggle	1	1	
2		1091496	Kit, Joystick Tube Toggle Switch Mounting Hardware	1	1	
3			NLA - Half Clamp, Threaded Holes	1	1	
4			Half Clamp, Non-Threaded Holes	1	1	
5			Screw, Hex Head w/ Patch (1/4-20 x 1/2")	1	2	
6			NLA - Bracket, Toggle Switch Mounting, Black	1	1	
7			NLA - Screw, Hex Head (1/4-20 x 1-1/8")	1	2	
2	B	1091497	NLA - Kit, Quad Link Toggle Switch Mounting Hardware	1	1	
5			Screw, Hex Head w/ Patch (1/4-20 x 1/2")	1	4	
6			NLA - Bracket, Toggle Switch Mounting, Black	1	1	
8			NLA - Bracket, Quad Link Toggle Switch Mounting, Black	1	1	
9			Screw, Phillips Pan Head (#10-32 x 1-3/8")	1	2	
10			Locknut (1/4-20)	1	2	
11			Locknut (#10-32)	1	2	
12			1105715-NLA	NLA - Sensor, Proximity Switch	1	1
NOTE: A - Includes Items 3-7 B - Includes Items 5, 6 and 8-11						

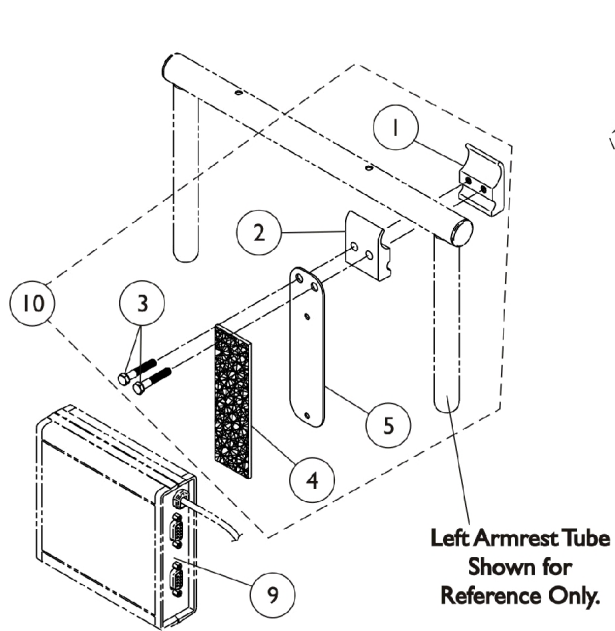
MKIV Controller, Programmer and Hardware



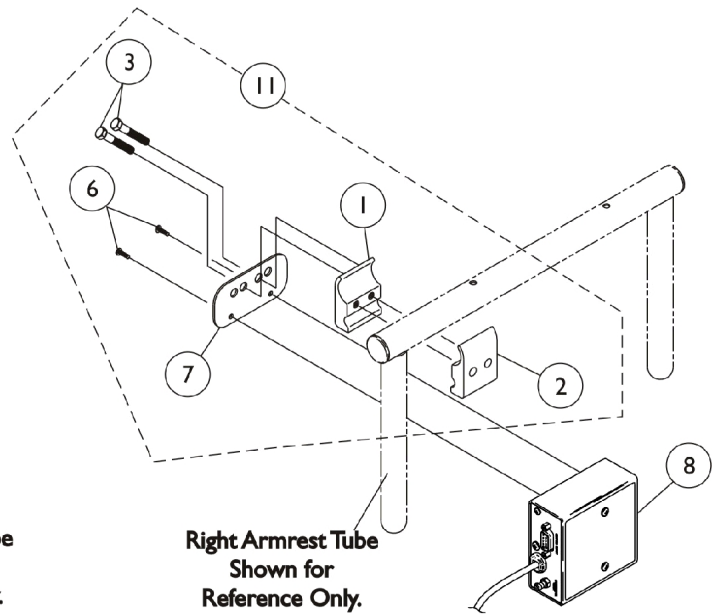
MKIV Controller, Programmer and Hardware

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	C,E	1105707-NLA	NLA - Controller, MKIV Quad Pulse	1	1
1		1092603-NLA	NLA - Controller, MKIV RII	1	1
1	B	1095262-NLA	NLA - Controller, MKIV RII, Dual Power	1	1
1	C,F	1095269-NLA	NLA - Controller, MKIV RII, Retro	1	1
2		7930323-NLA	NLA - Package, Locknut (1/4-20)	25	2
3	G	1018739	Washer (1/4 x 5/8 x 3/32")	1	2
3	H	1018739	Washer (1/4 x 5/8 x 3/32")	1	6
4		1020818	Switch, Red Flex Ribbon (Tape) Reset	1	6
4	L	1123276	Kit, Switch, Black Egg Reset w/ Hook/Loop Adhesive Back Fastener & Attaching Screws (EGSBLK)	1	1
5	A	1109091-NLA	NLA - Programmer, Remote	1	1
	D,I	1064404-NLA	NLA - Virtual Service Modem Kit	1	1
	D,J	1091631-NLA	NLA - Virtual Service Software Kit	1	1
	D,I	1103051-NLA	NLA - MKIV One 2 One Software Kit	1	1
	D,K	1046117-NLA	NLA - Printer and Interface	1	1
	D	1095204-NLA	NLA - Cable, Virtual Service, Charger/Modem	1	1
	D	1091980-NLA	NLA - Disk, 3.5 H.D. Floppy with V.S. Software	1	1
	D	1091637-NLA	NLA - Adaptor, Null Modem	1	1
	D	1091636-NLA	NLA - Service Manual - V.S. Software Kit	1	1
	D	1026572-NLA	NLA - Paper, Printer	1	1
	D	1027280-NLA	NLA - Harness, Printer Wiring	1	1
NOTE: A - Remote programmer part # (1109091) with the dual connectors (3-Pin and 5-Pin is the only programmer functionable with the new RII joystick part # (1092610) B - RII dual power controller is used with a manual recliner, high back captain seat and Power Tilt Only. C - Wiring harness part number 1095623 must be present when MKIV controllers part number 1105707 or 1095269 are used. D - Not Shown E - RX, A, A+, TCHJOY, PSF/PSR F - Weight Shifting Tilt G - Non-Weight Shifting Tilt Seating System H - Weight Shifting Tilt Seating System I - Part number 1095204 is available for individual sale. J - Part numbers 1091980, 1091637, 1091636, and 1095204 are available for individual sale. K - Part numbers 1026572 and 1027280 are available for individual sale. L - Not Shown. After 5/23/04 the Egg Reset Switch became available as a service part and can be used as a direct replacement for the tape reset switch part # 1020818.					

MKIV Sip-N-Puff/ Digital Interface and COM12 and COM34



COM12 And COM34
1038639 1086241 ON CHAIR
OFF CHAIR

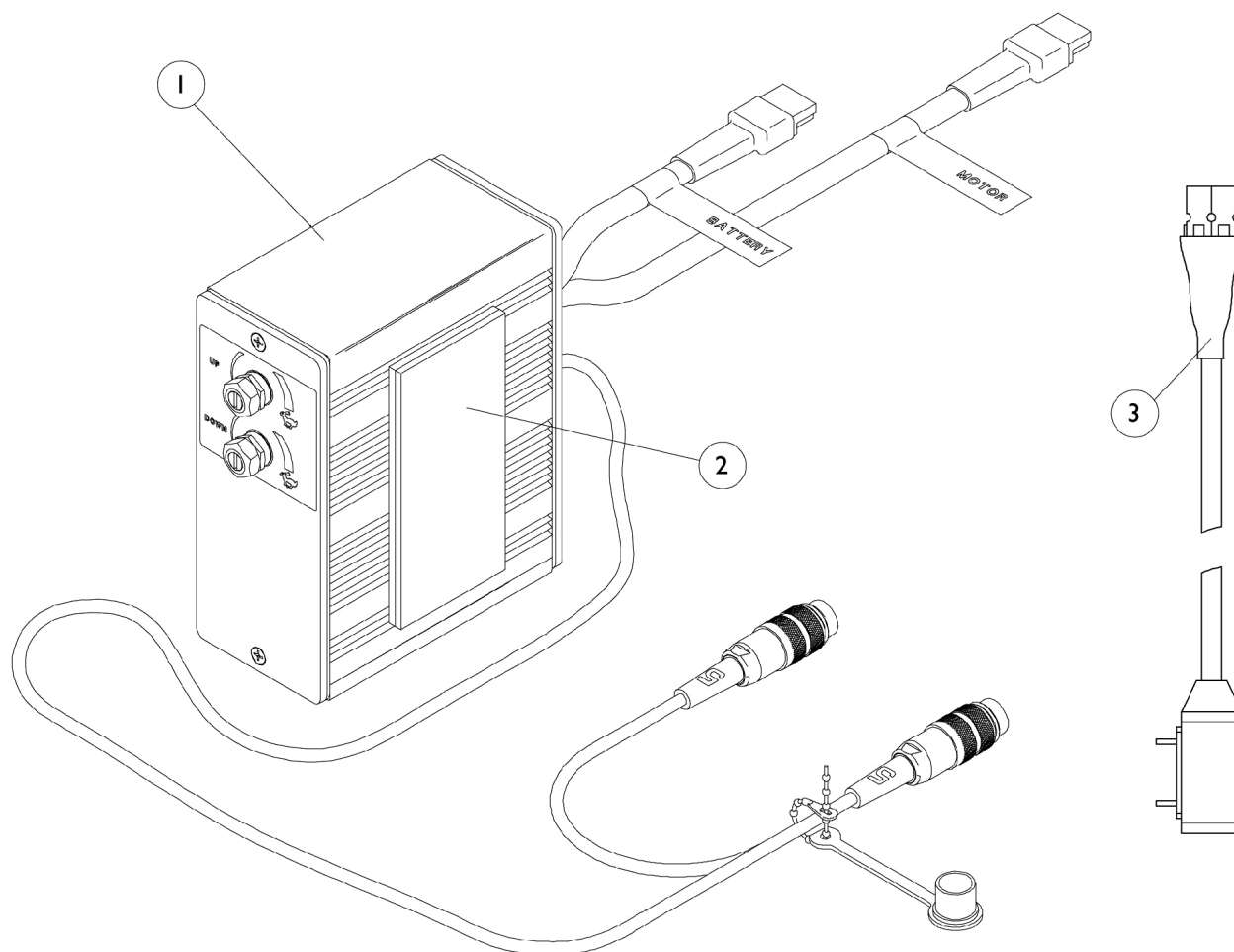


SNPM4 ON CHAIR
1038635 OFF CHAIR

MKIV Sip-N-Puff/ Digital Interface and COM12 and COM34

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
8		1038635-NLA	NLA - Sip-N-Puff w/ Digital Interface	1	1
9	D	See Note	See Footnote	1	1
9		1086241-NLA	NLA - Module, Communication, COM34/AUX34	1	1
10	A	1049592-NLA	NLA - Kit, COM12/AUX12 and COM34/AUX34 Mounting Hardware	1	1
1			NLA - Half Clamp, Threaded Holes	1	1
2			Half Clamp, Non-Threaded Holes	1	1
3			NLA - Screw, Hex Head (1/4-20 x 1-1/8")	1	2
4			NLA - Fastener, Dual Lock Hook and Loop Adhesive (2" W x 12" L)	1	1
5			NLA - Plate, COM12/AUX12 and COM34/AUX34 Mounting	1	1
11	B,C	1049593	Kit, SNP/DI, MK5 SAC, 4WSB, S4WSB, GTAM, AUX12M6, AUX34M6 Mtg. Hdw.	1	1
1			NLA - Half Clamp, Threaded Holes	1	1
2			Half Clamp, Non-Threaded Holes	1	1
3			NLA - Screw, Hex Head (1/4-20 x 1-1/8")	1	2
6			Screw, Phillips Pan Head (#4-40 x 3/8")	1	2
7			Plate, Mounting	1	1
NOTE: A - Mounting hardware includes items 1-5. Item 4 that is packaged with the kit will only be a 4" long "loop" fastener B - Includes items 1-3 and 6-7 C - As of 5/22/07 the Mounting Plate holes and the orientation of the Hardware was revised to attach the electronics closer to the chair. The Mounting Hardware Kit is backward compatible. D - Part is no longer serviceable in the field.					

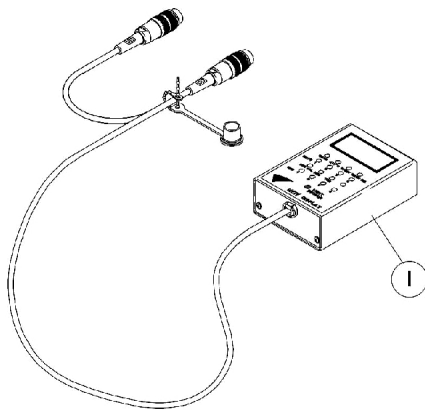
MKIV Recliner Control and Recliner Cable



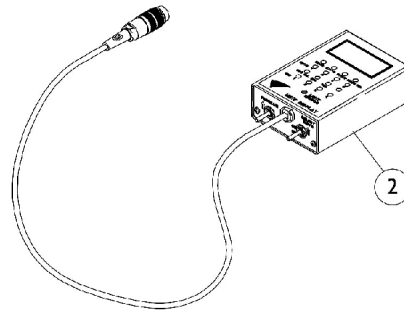
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1054376-NLA	NLA - Control, Recliner	1	1
2		1095501-NLA	NLA - Fastener, Dual Lock Hook and Loop Adhesive (2" W x 12" L)	1	1
3	A	1098905-NLA	NLA - Cable Assembly, 24 Volt, Anderson/P.T.O.	1	1
		1005151-NLA	NLA - Cable, Recliner	1	1

NOTE: A - Not Shown

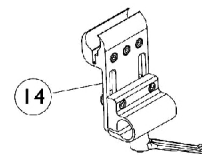
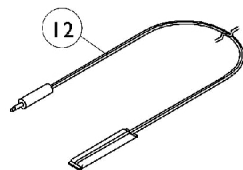
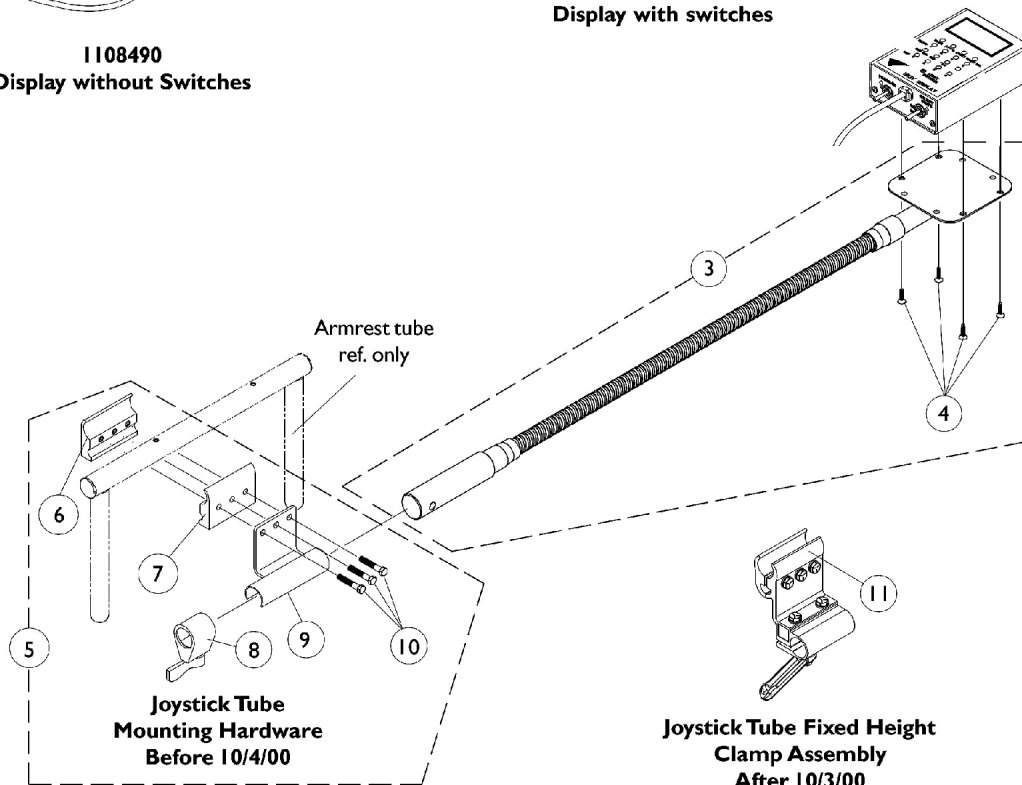
MKIV Displays



I108490
Display without Switches



I108489
Display with switches

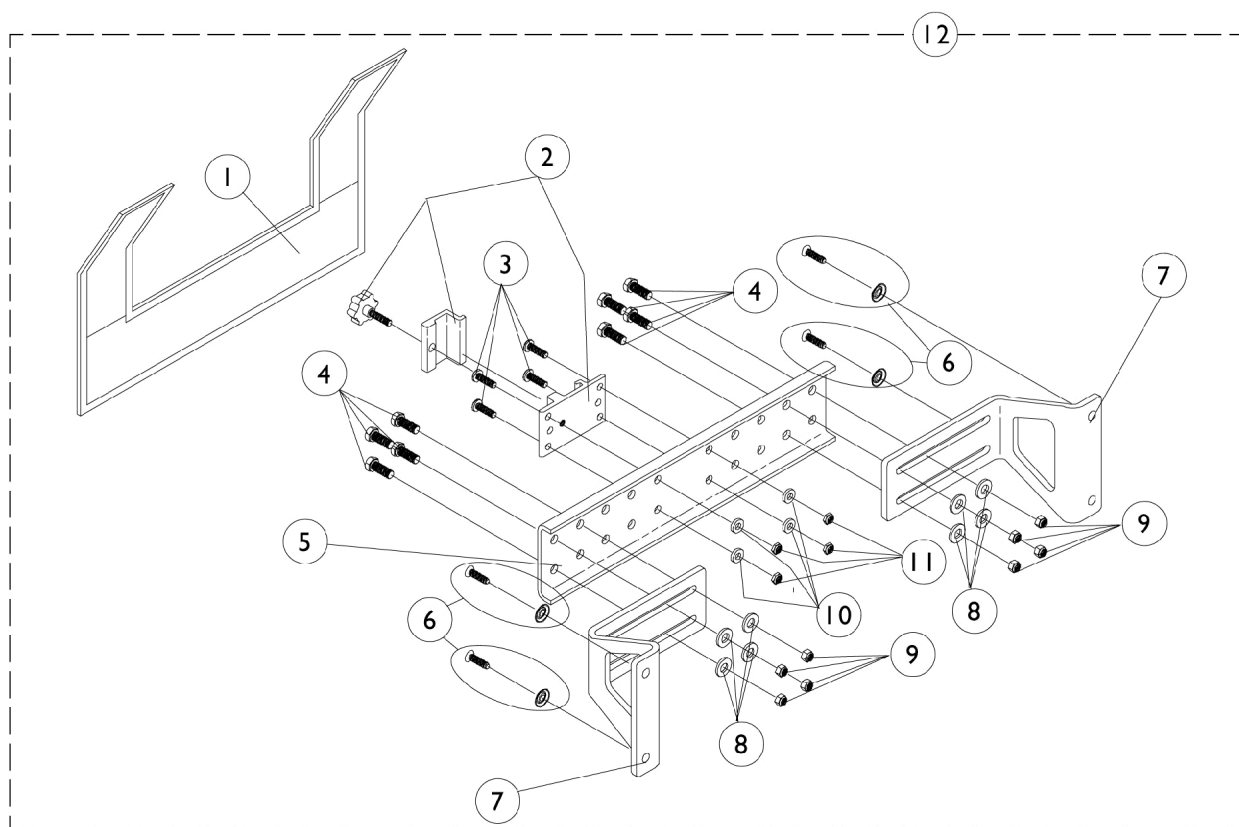


**Joystick Tube Adjustable Height
Clamp Assembly**

MKIV Displays

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1108490-NLA	NLA - Display without Switches	1	1
2		1108489	Display with Switches	1	1
3	A	1049594-NLA	NLA - Tube, Flex with Screws	1	1
4		7930339-NLA	NLA - Package, Screw, Phillips Pan Head (#4-40 x 3/8")	1	4
5	B	1049591-NLA	NLA - Hardware, Joystick Tube Mounting	1	1
6		1027267-NLA	NLA - Half Clamp, Threaded Holes	1	1
7		1027266	Half Clamp, Non-Threaded Holes	1	1
8		1027274	Adjustment Lock Assembly, Black	1	1
9		1049582-NLA	NLA - Bracket, Joystick Mounting, Black	1	1
10		16690X004-NLA	NLA - Screw, Hex Head (1/4-20 x 1-1/8")	1	1
11	C	1093071	Clamp, Fixed Height Joystick Tube	1	1
12	D	1020818	Switch, Red Flex Ribbon (Tape) Reset	1	1
13	E	1123276	Kit, Switch, Black Egg Reset w/ Hook/Loop Adhesive Back Fastener & Attaching Screws (EGSBLK)	1	1
14		1139422	Clamp, Height Adjustable Joystick Tube (ARM250)	1	1
NOTE: A - Includes the Flex Tube and item 4 B - Before 10/4/00 and includes items 6-10 C - After 10/3/00 and can be used as a direct replacement for the Joystick Tube Mounting Hardware part number 1049591 in the field D - Before 5/24/04 E - After 5/23/04 the Egg Reset Switch replaced the Red Flex Ribbon (Tape) Reset Switch					

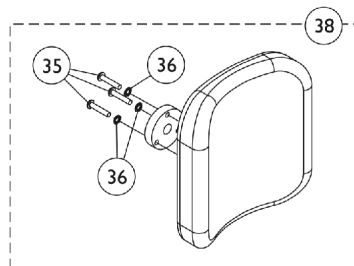
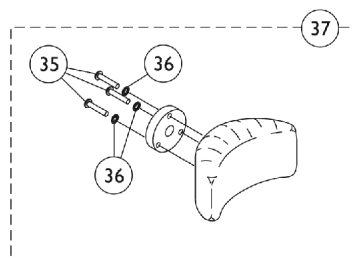
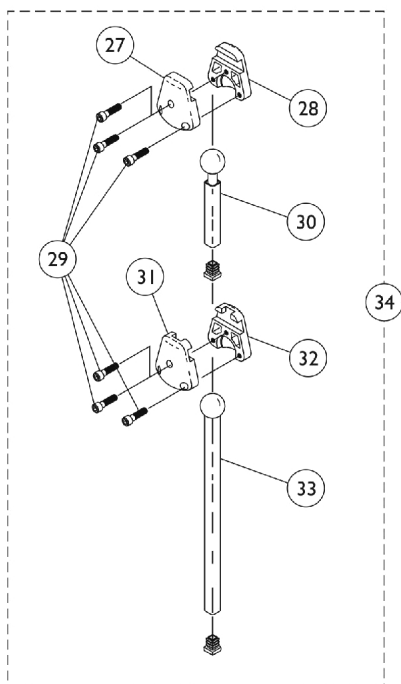
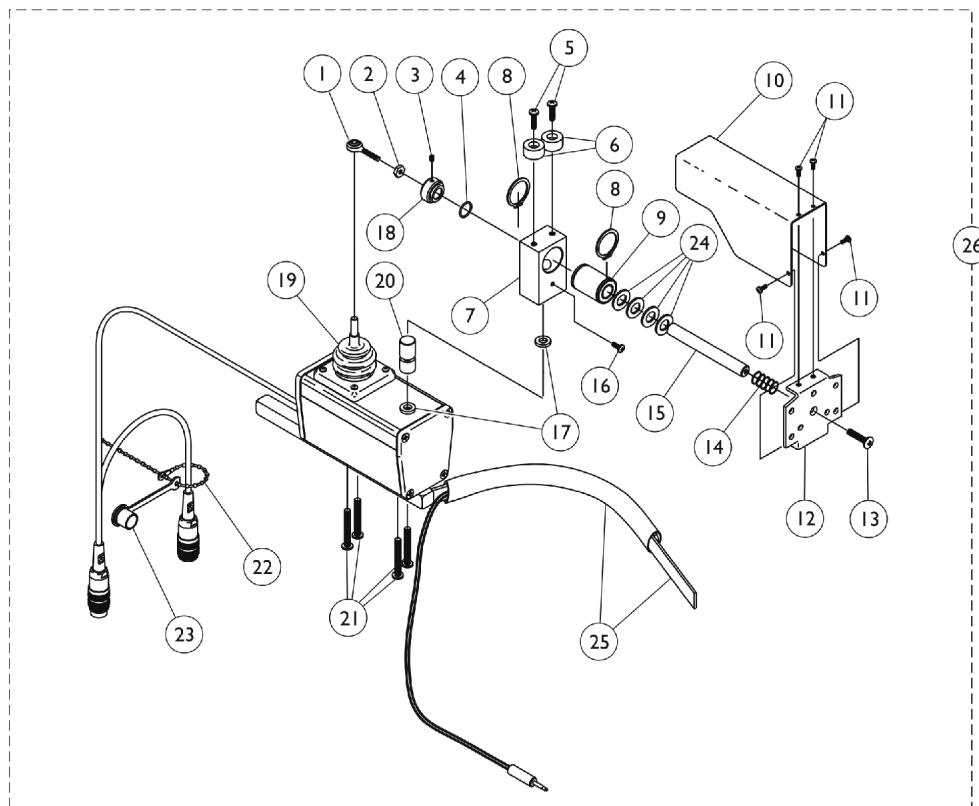
MKIV R.I.M. Head Control Attaching Hardware (1500M4)



MKIV R.I.M. Head Control Attaching Hardware (1500M4)

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1055149	Cover, Nylon	1	1
1	B	1055151-NLA	NLA - Cover, Nylon	1	1
2		1055148-NLA	NLA - Clamp with Knob, Two-Piece	1	1
3		1003645	Screw, Socket Button Head (#10-32 x 3/4")	1	4
4		1025708-NLA	NLA - Bolt, Hex Head Cap (1/4-20 x 3/4")	1	8
5	A	1054931-NLA	NLA - Bracket, Attaching, Black (12 - 18" W)	1	1
5	B	1054933-NLA	NLA - Bracket, Attaching, Black (19 - 24" W)	1	1
6		1031095	Screws with Washers (#10-16 x 7/8")	4	1
6		1076284	Screw w/ Washer (#10 x 7/8")	1	4
7		1054929-NLA	NLA - Bracket, Wing, Black	1	2
8		1026907	Washer (1/4 x 1/2 x 1/16")	1	8
9		7930333	Locknut (1/4-20)	25	8
10		1026034-NLA	NLA - Washer, Nylon (3/16 x 7/16 x 1/8")	1	4
11		7930332-NLA	NLA - Locknut, High Profile (#10-32)	25	4
12	A	1056347	Hardware, Rim Control Mounting (RIMHW) (12-18" W)	1	1
12	B	1056348	Hardware, Rim Control Mounting (RIMHW) (19-24" W)	1	1
NOTE: A - 16-18" Wide B - 19-24" Wide					

MKIV R.I.M. Head Control Assembly (1500M4)



MKIV R.I.M. Head Control Assembly (1500M4)

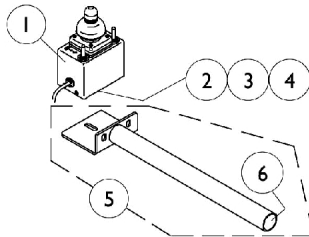
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1001625	Tie Rod End	1	1
2		48095X000-NLA	NLA - Locknut (#10-32)	1	1
3		1025275-NLA	NLA - Screw, Set w/ Patch (#8-32 x 1/4")	1	1
4		2001139	O-Ring (1/2" I.D.)	1	1
5		1028529	Screw, Phillips Pan Head (#8-32 x 3/8")	1	2
6		1055002-NLA	NLA - Washer, Nylon	1	2
7		1056206	Block, Pivot	1	1
8		1054939-NLA	NLA - Ring, Snap	1	2
9		1018113	Bearing, Linear	1	1
10		1055014-NLA	NLA - Shield, Push Rod	1	1
11		1021742	Screw, Phillips Pan Head (#4-40 x 1/2")	1	4
12		1055031-NLA	NLA - Bracket, Headrest Mounting, Black	1	1
13		40127X002-NLA	NLA - Screw, Phillips Oval Head (#10-32 x 3/4")	1	1
14		1055145-NLA	NLA - Spring, Compression (19/32 x 1-1/4 x 1/32")	1	1
15		1055016-NLA	NLA - Rod, Push	1	1
16		1026728-NLA	NLA - Screw, Phillips Pan Head (#6-32 x 1/4")	1	1
17		1010398	Washer, Nylon (1/4 x 1/2 x 1/16")	1	2
18		1025236-NLA	NLA - Collar, Shoulder	1	1
19		50000X364-NLA	NLA - Boot, Joystick	1	1
20		1055017-NLA	NLA - Rod, Pivot	1	1
21		11008X014-NLA	NLA - Screw, Phillips Round Head (#10-32 x 1")	1	4
22		1038256-NLA	NLA - Tie Wrap (4-1/4" L)	1	1
23		1037373-NLA	NLA - Cover, Splash	1	1
24		1003766-NLA	NLA - Washer, Plain (1/2 x 1 x 1/8")	1	4
25		1025271-NLA	NLA - Ribbon Reset Switch and Bracket Assembly	1	1
26	A	1056210E-NLA	NLA - Reconditioned - Joystick, Remote Head	1	1
27		1055023-NLA	NLA - Clamp, Horizontal Pivot	1	1
28		1055024-NLA	NLA - Clamp, Threaded, Horizontal Pivot	1	1
29		1055144-NLA	NLA - Screw, Socket Head (M6 x 1 x 25mm)	1	6
30		1055028	Tube, Slide, Square, Short	1	1
31		1055025-NLA	NLA - Clamp, Vertical Pivot	1	1
32		1055026-NLA	NLA - Clamp, Threaded, Vertical Pivot	1	1
33		1055027-NLA	NLA - Tube, Slide, Square, Long	1	1
34	B	1056213-NLA	NLA - Hardware, Adjustment	1	1
35		1005383	Screw, Socket Button Head (#10-32 x 1")	1	3
36		1027263-NLA	NLA - Washer, Lock Internal Tooth (#10)	1	3
37	C	1056211-NLA	NLA - Kit, Headrest with Hardware, Otto Bock, Small	1	1
38	D	1056212	Kit, Headrest with Hardware, Large	1	1
	E	1056087-NLA	NLA - Screw, Socket Head (#10-32 x 1/2")	1	4

MKIV R.I.M. Head Control Assembly (1500M4)

NOTE: A - Includes items 1-25.
B - Includes items 27-33 and the Plug Buttons that attach to item 30 and 33 Slide Tubes. The Plug Buttons are not saleable.
C - Includes the Headrest Adapter and items 35 and 36.
D - Includes the Headrest Adapter and items 35 and 36. The LaBac Headrest is no longer used as of 12/6/10 that was attached with Screw part # 1056087 (4 ea.). The screw is still available to order for existing LaBac Headrest in the field.
E - Used for existing LaBac Headrest in the field only.

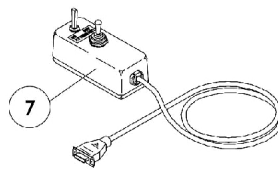
MKIV Joystick Options

REMOTE JOYSTICK



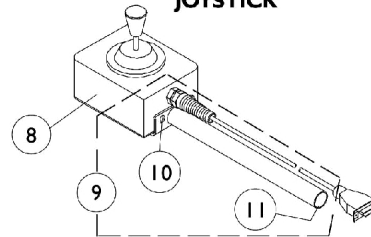
ON CHAIR: 1555M4
OFF CHAIR: 1038634
Used with display w/o switches
1108490

ATTENDANT CONTROL JOYSTICK



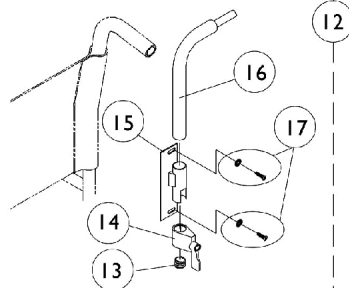
ON CHAIR: 1552M4
OFF CHAIR: 1025590

HEAVY DUTY JOYSTICK



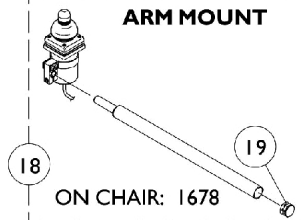
ON CHAIR: 1556M4
OFF CHAIR: 1041544
Used with display w/ switches
1108489

REAR CANE MOUNT



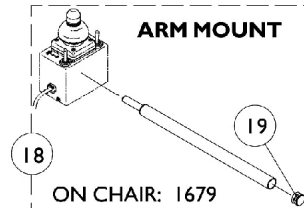
ON CHAIR: 1673

ARM MOUNT



ON CHAIR: 1678

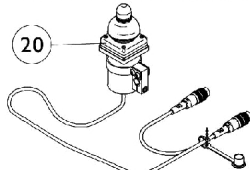
ARM MOUNT



ON CHAIR: 1679

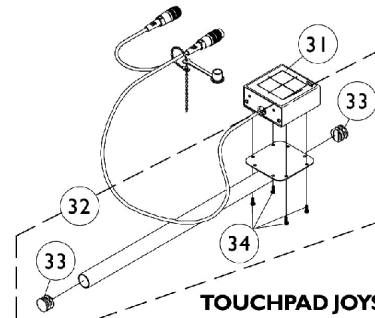
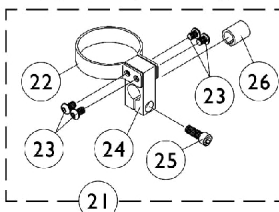
NOTE: Arm mounting tube shown above and additional arm mounting hardware are shipped when the On-Chair model number 1678 or 1679 is ordered.

DUAL/COMPACT JOYSTICK W/ MTG. HARDWARE



ON CHAIR: 1812M4/1558M4
OFF CHAIR: 1038638

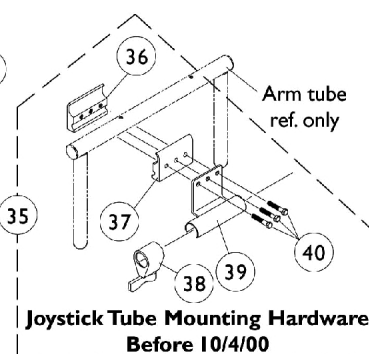
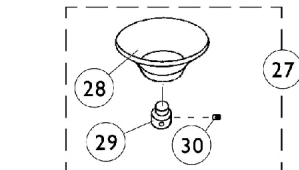
DUAL/COMPACT JOYSTICK MOUNTING HARDWARE



TOUCHPAD JOYSTICK

ON CHAIR: TCPDM4
OFF CHAIR: 1091353

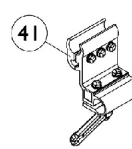
Used with display w/ switches
1108489



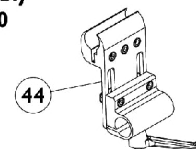
Joystick Tube Mounting Hardware
Before 10/4/00

★ Reset Switch may be required.

Joystick Tube Fixed Height
Clamp Assembly
After 10/3/00



Joystick Tube Adjustable Height
Clamp Assembly



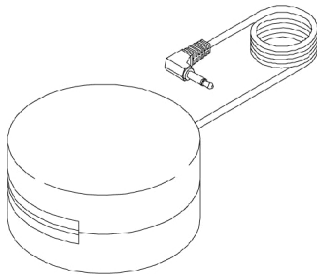
MKIV Joystick Options

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	M	See Note	See Footnote	1	1
2		1010848-NLA	NLA - Clamp, Universal Swivel	1	1
3		12595X000	Handle, Lock, Chrome	1	1
4		15108X000	Locknut (1/4-20)	1	1
5		1044928-NLA	NLA - Joystick Tube with Plug Button Assembly	1	1
6		1027095	Plug Button, Black (7/8")	1	1
7		1025590	Joystick, Attendant Control (1552M)	1	1
8		1041544-NLA	NLA - Joystick, Heavy Duty	1	1
9	A	1052719-NLA	NLA - Kit, Straight Joystick Tube with Hardware	1	1
10		1016401-NLA	NLA - Screw, Phillips Round Head (#10-32 x 3/8")	1	3
11		1027095	Plug Button, Black (7/8")	1	1
12	B	1044917	Hardware, Rear Cane Mount (1673/RCM)	1	1
13		1027095	Plug Button, Black (7/8")	1	1
14		1027274	Adjustment Lock Assemnbly, Black	1	1
15		1025245-NLA	NLA - Bracket, Upright, Black -Right	1	1
16		1044918-NLA	NLA - Tube, Joystick	1	1
17		1076284	Screw w/ Washer (#10 x 7/8")	2	1
18	C	1052309	Tube, Arm Mount with Plug Button, Black	1	1
19		1027095	Plug Button, Black (7/8")	1	1
20		1038638-NLA	NLA - Joystick, MKIV Dual/Compact	1	1
21	D	1108012	Hardware, Dual/Compact Joystick Clamp Mounting	1	1
22		1025048	Clamp	1	1
23		1021460	Screw, Socket Button Head (#10-32 x 5/16")	1	4
24		1025045-NLA	NLA - Clamp, Mounting	1	1
25		1027089-NLA	NLA - Screw, Socket Head (#10-24 x 1/2")	1	1
26		1026273-NLA	NLA - Spacer, Split (3/8" I.D.)	1	1
27	E	60102524	Kit, Chin Cup Assembly - 1826	1	1
28		1017545	Cup, Chin	1	1
29	N	1017612-NLA	NLA - Screw, Adaptor	1	1
30		90032X000	Screw, Set Socket Cup Point (#8-32 x 1/4")	1	2
31		1091353-NLA	NLA - Touchpad, Joystick Assembly	1	1
32	F	1092604-NLA	NLA - Kit, Straight Joystick Tube with Hardware	1	1
33		1027095	Plug Button, Black (7/8")	1	2
34		1052041	Screw, Phillips Pan Head (#4-40 x 3/8")	1	4
35	G	1049591-NLA	NLA - Hardware, Joystick Tube Mounting	1	1
36		1027267-NLA	NLA - Half Clamp, Threaded Holes	1	1
37		1027266	Half Clamp, Non-Threaded Holes	1	1
38		1027274	Adjustment Lock Assemnbly, Black	1	1
39		1049582-NLA	NLA - Bracket, Joystick Mounting, Black	1	1
40		16690X004-NLA	NLA - Screw, Hex Head (1/4-20 x 1-1/8")	1	3
41	H	1093071	Clamp, Fixed Height Joystick Tube	1	1
42	I	1020818	Switch, Red Flex Ribbon (Tape) Reset	1	1
43	J	1123276	Kit, Switch, Black Egg Reset w/ Hook/Loop Adhesive Back Fastener & Attaching Screws (EGSBLK)	1	1

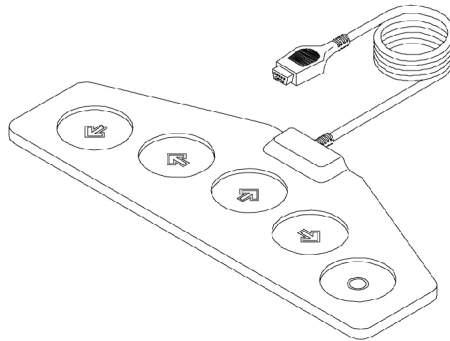
MKIV Joystick Options

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
44		1139422	Clamp, Height Adjustable Joystick Tube (ARM250)	1	1
	K	1108490-NLA	NLA - Display without Switches	1	1
	L	1108489	Display with Switches	1	1
NOTE: A - Includes the joystick tube and items 10 and 11 B - Includes items 13-17 C - For On-Chair model numbers 1678 and 1679. Includes the joystick tube and item 19 D - Includes items 22-26 E - Includes items 28-30 F - Includes the joystick tube, items 33 and 34 G - Before 10/4/00 and includes items 36-40 H - After 10/3/00. Individual components are non-saleable. Can be used as a direct replacement in the field for the Joystick Tube Mounting Hardware part number 1049591. I - Before 5/24/04 J - After 5/23/04. The Egg Reset Switch replaced the Red Flex Ribbon (Tape) Reset Switch K - Not Shown and used with the Remote Joystick L - Not Shown and used with the Heavy Duty and Touch Pad Joystick M - No longer available as a service part in the field. N - Part #1017612 is no longer available as a service part individually. Order item #27 as a replacement.					

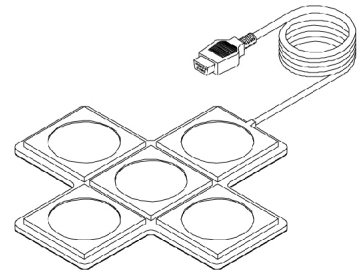
Tash and Therafin Accessories



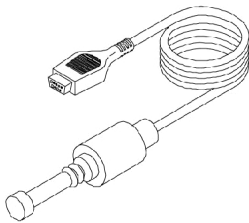
P5820 - Red Soft Switch
P5821 - Green Soft Switch



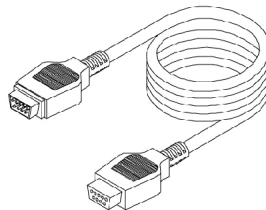
✦ P5018 - Wafer Board



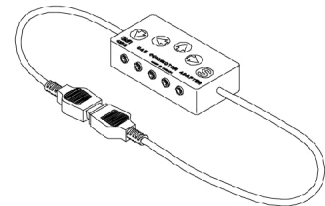
✦ P5026 - Star Control



✦ P5020 - Mini Joystick with Push



P4337 - Multi-Ability Cable



P4353 - CA5 Multi-Connector
Box



P5970 - "U" Clamp

✦ Must be used with display w/ switches (1108489)

Tash and Therafin Accessories

Therafin

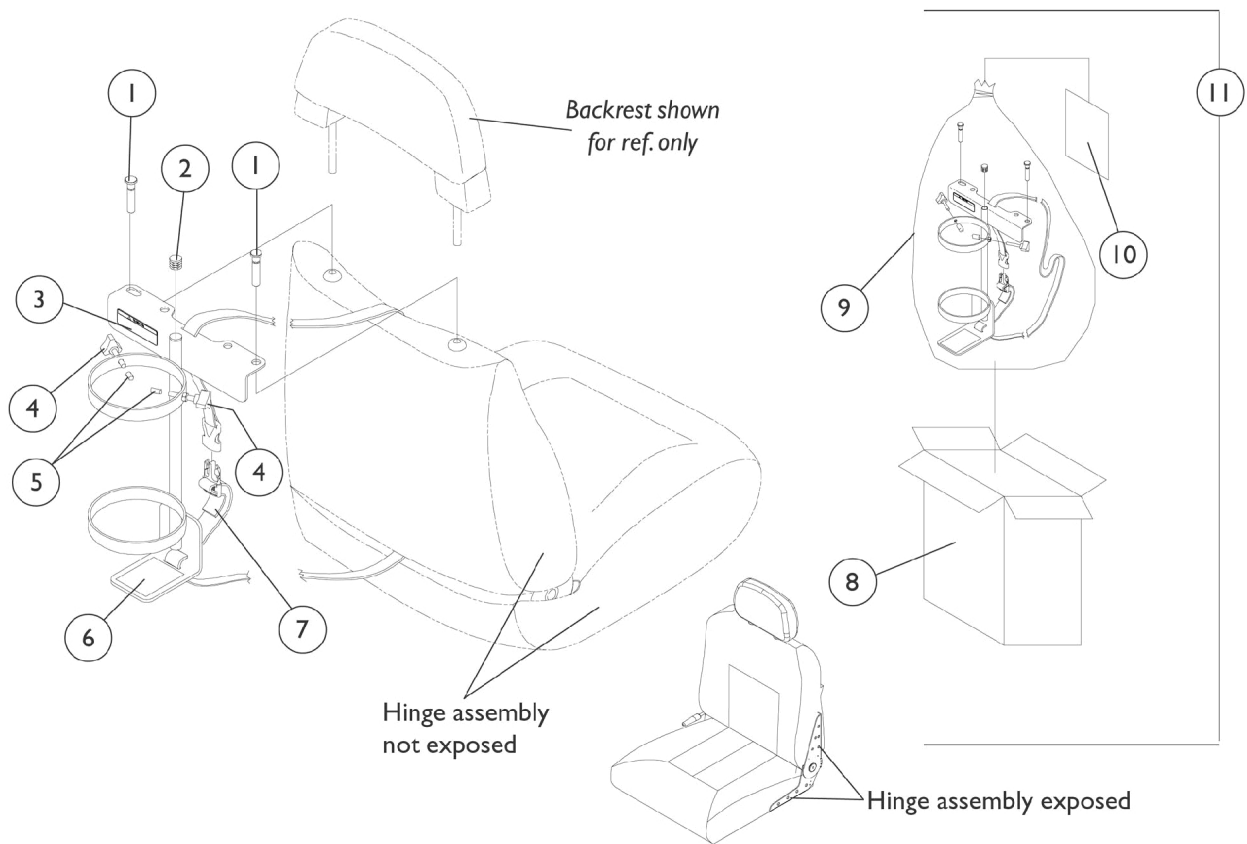
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
	B	1142362	Bib Assembly (PKG32669)	1	1
	B	P21456-NLA	NLA - Adaptor Clamp - Tash	1	1
	B	P21457-NLA	NLA - Adaptor Clamp - Invacare	1	1
	B	P21460-NLA	NLA - Midline Swingway System	1	1
	B	1140824	Kit, Sip-N-Puff, 16" Fixed (PKG32666)	1	1
			Includes: (3) Air Tube Straws, (2) Saliva Traps, Tubing, Pivot Shaft/Flexible Metal Gooseneck Assembly, and Extruded Figure "8" Clamp to fit 7/8" Wheelchair Frame Tubing. Extruded Back Cane Adapter Clamp.		
	A	P5820-NLA	NLA - Switch, Red Soft	1	1
	A	P5821	NLA - Switch, Green Soft	1	1
	A	P5018-NLA	NLA - Wafer Board (5018)	1	1
	A	P5026-NLA	NLA - Star Control	1	1
	A	P5020-NLA	NLA - Mini Joystick with Push (5020)	1	1
	A	P4337-NLA	NLA - Multi-Ability Cable	1	1
	A	P4353-NLA	NLA - CA5 Multi-Connector Box	1	1
	A	P5970-NLA	NLA - Clamp, "U"	1	1
	B	1108489	Display with Switches	1	1
NOTE: A - See Pictorial B - Not Shown					
NOTE: For more information on Tash and Therafin products, please contact one of our Rehab Specialists.					

Tash and Therafin Accessories

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		P5820-NLA	NLA - Switch, Red Soft	1	1
1		P5821	NLA - Switch, Green Soft	1	1
2	C	P5018-NLA	NLA - Wafer Board (5018)	1	1
3	C	P5026-NLA	NLA - Star Control	1	1
4	C	P5020-NLA	NLA - Mini Joystick with Push (5020)	1	1
5		P4337-NLA	NLA - Multi-Ability Cable	1	1
6		P4353-NLA	NLA - CA5 Multi-Connector Box	1	1
7		P5970-NLA	NLA - Clamp, "U"	1	1
	B	1142362	Bib Assembly (PKG32669)	1	1
	B	P21456-NLA	NLA - Adaptor Clamp - Tash	1	1
	B	P21457-NLA	NLA - Adaptor Clamp - Invacare	1	1
	B	P21460-NLA	NLA - Midline Swingway System	1	1
	A,B	1140824	Kit, Sip-N-Puff, 16" Fixed (PKG32666) Includes: (3) Air Tube Straws, (2) Saliva Traps, Tubing, Pivot Shaft/Flexible Metal Gooseneck Assembly, and Extruded Figure "8" Clamp to fit 7/8" Wheelchair Frame Tubing. Extruded Back Cane Adapter Clamp.	1	1
	B	1108489	Display with Switches	1	1
NOTE: A - See items included. B - Not Shown C - Must be used with display with switches part #1108489.					

Oxygen Holder Assembly Kit Before 4/15/03

Captain Seat, Low Back Models Only



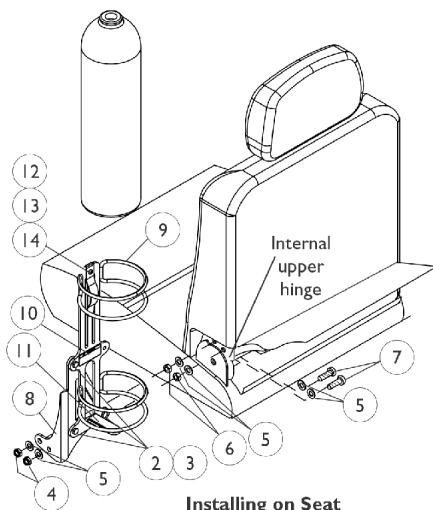
Oxygen Holder Assembly Kit Before 4/15/03

Captain Seat, Low Back Models Only

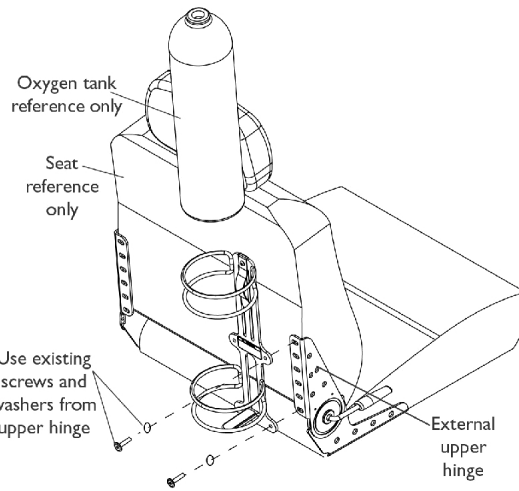
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1080865-NLA	NLA - Pin, Oxygen Holder	1	2
2		1035614	Plug Button, Black (5/8")	1	1
3		1080866	Decal, Oxygen Warning - English	1	1
4		1027684	Knob, Clamping, Black	1	2
5		1086780-NLA	NLA - Package, Protective Cap	10	2
6		1073159-NLA	NLA - Pad, Non-Skid	1	1
7		1080872-NLA	NLA - Strap and Buckle Assembly	1	1
8		1083052-NLA	NLA - Carton, Shipper, Oxygen Holder	1	1
9		2000454-NLA	NLA - Bag, Poly (39" L x 33" W)	1	1
10		1080869-NLA	NLA - Instruction Sheet, Oxygen Holder	1	1
11	B,C	1080870-NLA	NLA - Oxygen Holder Assembly with Instruction Sheet	1	1
NOTE: A - Oxygen holder pins are to be used when backrest is absent. B - Includes items 1-10 C - Due to product improvement, see oxygen holder assemblies dated after 4/14/03 that will accommodate both (exposed and non-exposed) captain seat hinge assemblies. Special orders are no longer needed for exposed hinge assembly models.					

Oxygen Holder Assembly Kit After 4/14/03

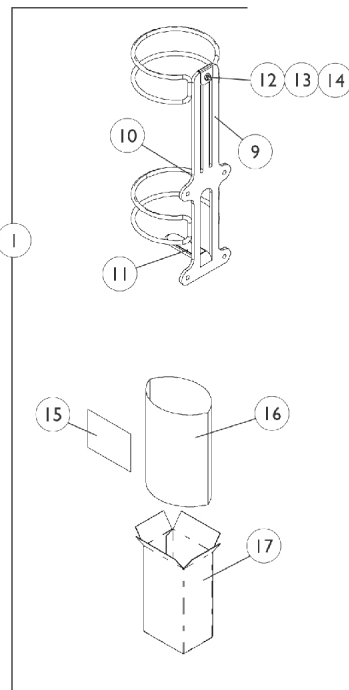
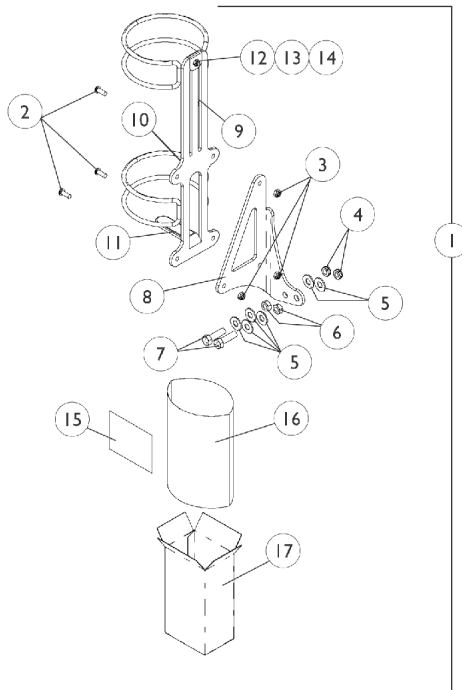
All Captain Seat Models



**Installing on Seat
with Internal Hinge**



**Installing on Seat
with External Hinge**



Oxygen Holder Assembly Kit After 4/14/03

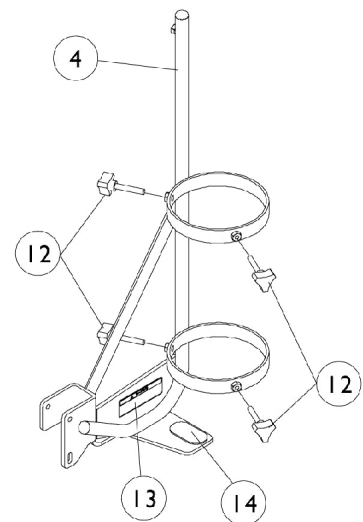
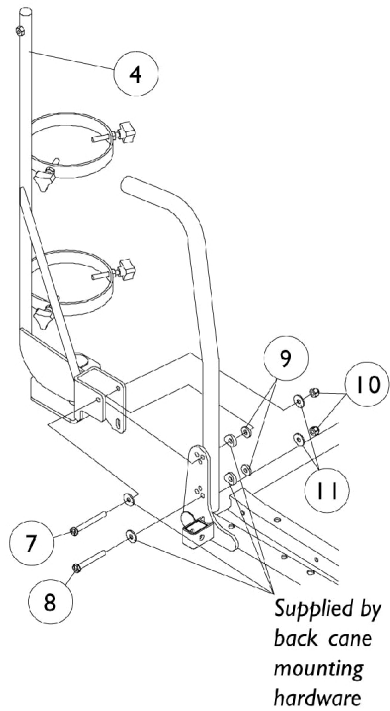
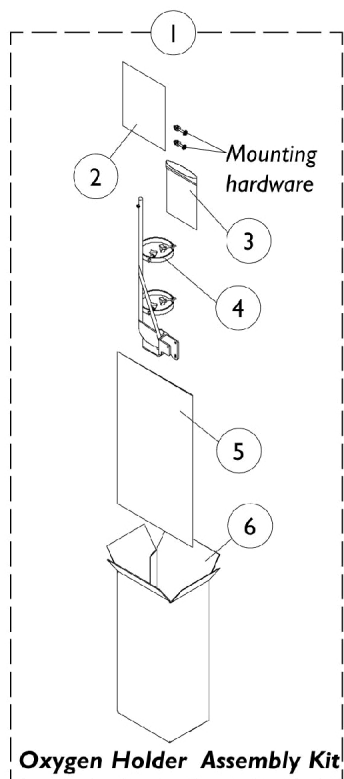
All Captain Seat Models

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1116952-NLA	NLA - Oxygen Holder Assembly Kit	1	1
1	B	1116956	Oxygen Holder Assembly(D or E Tanks)	1	1
2		1055304	Screw, Socket Button Head (1/4-28 x 5/8")	1	3
3		1025765	Locknut (1/4-28)	1	3
4		1028486	Locknut, Low Profile (3/8-16)	1	2
5		1118889-NLA	NLA - Washer, Steel (3/8 x 7/8 x 1/16")	1	6
6		1116954-NLA	NLA - Nut, Hex (3/8-16)	1	2
7		1118888-NLA	NLA - Screw, Hex Head (3/8-16 x 1-1/4")	1	2
8		1116953-NLA	NLA - Bracket, Oxygen Holder, Black	1	1
9	C	1116948	Holder, Oxygen	1	1
10		1080866	Decal, Oxygen Warning - English	1	1
11		1116950-NLA	NLA - Pad, Non-Skid	1	1
12		1116945	Spring, Oxygen Holder	1	1
13		1072319-NLA	NLA - Screw, Socket Button Head (#10-32 x 1/2")	1	1
14		1025735	Locknut (#10-32)	1	1
15	D	1116957-NLA	NLA - Instruction Sheet, Oxygen Holder	1	1
16		1021866-NLA	NLA - Bag, Poly (26" L x 15" W)	1	1
17		1063960	Carton	1	1
NOTE: A - For seats with an INTERNAL (Non-Visible) hinge assembly and includes items 2-17 B - For seats with an EXTERNAL (Visible) hinge assembly and includes items 9-17 C - Includes items 10-14 D - Item is no longer available from the Invacare Service Parts Department. Refer to the Invacare Website under "Product Literature Search". Enter the part number in the "Keywords" field and download a free PDF version copy.					

Oxygen Holder Assembly Kit

ASBA Seats

NOTE: Oxygen holder is not available on recliner options.



Oxygen Holder Assembly Kit

ASBA Seats

NOTE: Oxygen holder is not available on recliner options.

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1098857-NLA	NLA - Oxygen Holder Assembly Kit	1	1
2	C	1098333-NLA	NLA - Instruction Sheet, Oxygen Holder	1	1
3		1021148-NLA	NLA - Bag, Poly Zip-Lip (8-3/4" L x 6" W)	1	1
4	B	1098857-NLA	NLA - Oxygen Holder Assembly Kit	1	1
5		1021866-NLA	NLA - Bag, Poly (26" L x 15" W)	1	1
6		1097276-NLA	NLA - Carton, Shipper	1	1
7		1096839-NLA	NLA - Screw, Hex Head (1/4-20 x 2-1/4")	1	1
8		1096838-NLA	NLA - Screw, Hex Head (1/4-20 x 2")	1	1
9		1018739	Washer (1/4 x 5/8 x 3/32")	1	2
10		7930333	Locknut (1/4-20)	25	2
11		1026900	Washer (1/4 x 23/32 x 1/16")	1	2
12		1027684	Knob, Clamping, Black	1	4
13		1080866	Decal, Oxygen Warning - English	1	1
14		1072002-NLA	NLA - Pad, Non Skid	1	1

NOTE: A - Includes items 2-6 and 7-11
 B - When item 4 oxygen holder is requested, order kit part number 1098857.
 C - Item is no longer available from the Invacare Service Parts Department. Refer to the Invacare Website under "Product Literature Search". Enter the part number in the "Keywords" field and download a free PDF version copy.

Power Wheelchair Tool Kit

I



**Multimeter
with Leads**



**Grounding
Wire**



**1" Test
Leads**



**Protractor/Angle
Locator**



**Invacare
Pen Light**



**Invacare
Tape Measure**



**Invacare
Phillips/Flat Head
Screwdriver**



MKIV Programmer

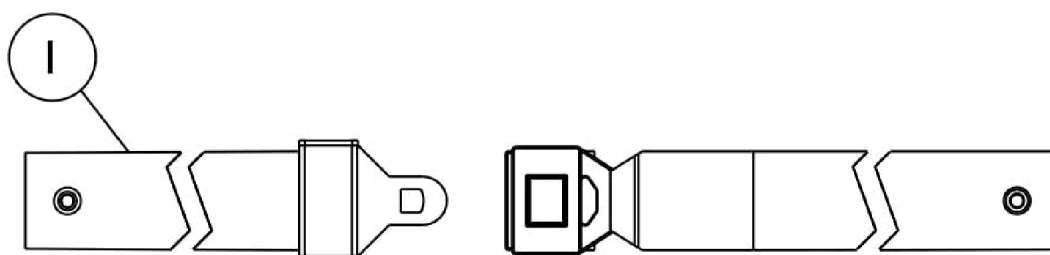


**Virtual Service
Charger Cable**

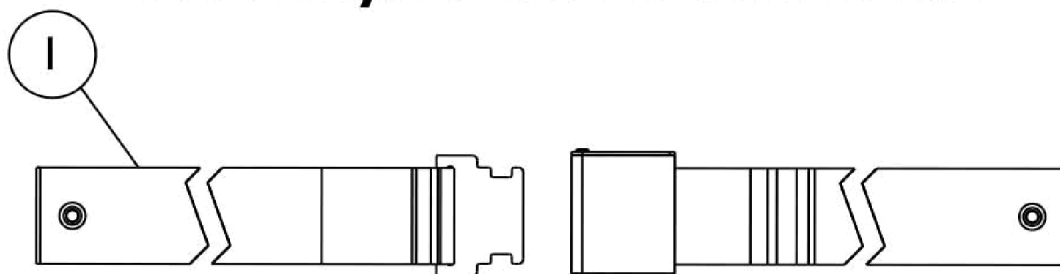
Power Wheelchair Tool Kit

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1125222-NLA	NLA - Kit, Power Wheelchair Tool Includes: 1 ea. Multimeter with Leads 1 ea. Locator, Protractor/Angle Magnetic Base 1 ea. Instructions, MKIV Programmer 1 ea. Wire, Grounding with Hand Strap and Clip 1 ea. Leads, 1" Test 1 ea. Light, Pen with Invacare Logo 1 ea. Tape Measure, Compact with Invacare Logo 1 ea. Screwdriver, Pen-Size Phillips/Flat Head 1 ea. Cable, Virtual Service Charger/Modem	1	1

Miscellaneous Accessories



Auto Style Push Button Buckle



Airline Style Buckle Positioning Strap



Hook and Loop Style Buckle Positioning Strap

Miscellaneous Accessories

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		See Chart	Airline Style Positioning Strap	1	1
1		See Chart	Auto Style Push Button Positioning Strap	1	1
1		See Chart	Hook and Loop Style Positioning Strap	1	1
	A	40176X010-NLA	NLA - Pump, Tire	1	1
NOTE: A - Not Shown					

Auto Style Push Button Positioning Strap

Chair Width	Part Number	Seat/Chest Positioning Strap w/ Auto Style Buckle Length (Eyelet to Eyelet)
16" - 18" Wide	1004310	48" L
20" Wide & 18" Captain Seats	1034625	61" L
23" Wide & 22" Captain Seats	1034622-NLA See Note(s) A	69" L
NOTE: A - For replacement contact The Aftermarket Group (TAG).		

Airline Style Positioning Strap

Chair Width	Part Number	Seat/Chest Positioning Strap w/ Airline Style Buckle Length (Eyelet to Eyelet)
16" - 18" Wide	TAGTS1034751-NLA	46" L
20" Wide & 18" Captain Seats	1034752-NLA See Note(s) A	61" L
23" Wide & 22" Captain Seats	1034753-NLA	70" L
NOTE: A - 1034752 Airline Buckle Style is No Longer Available. Use Auto Style part number 1034625 as a replacement.		

Hook and Loop Style Positioning Strap

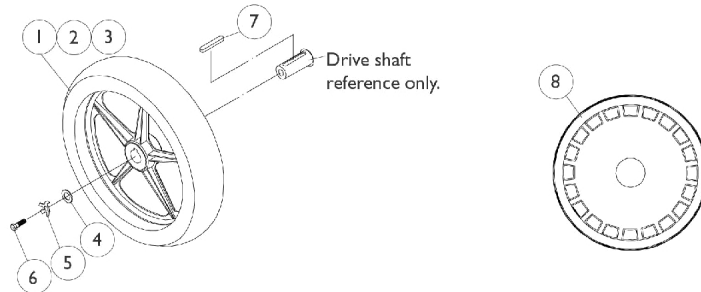
Chair Width	Part Number	Seat/Chest Positioning Strap w/ Hook and Loop Style Buckle Length (Eyelet to Eyelet)
16" - 18" Wide	1034744 See Note(s) A	45" L
20" - 23" Wide & 18" - 22" Captain Seats	1034745 See Note(s) A	61" L
NOTE: A - Hook and Loop Style Positioning Straps for power chairs used for chest positioning only.		

Warranty Replacement Parts

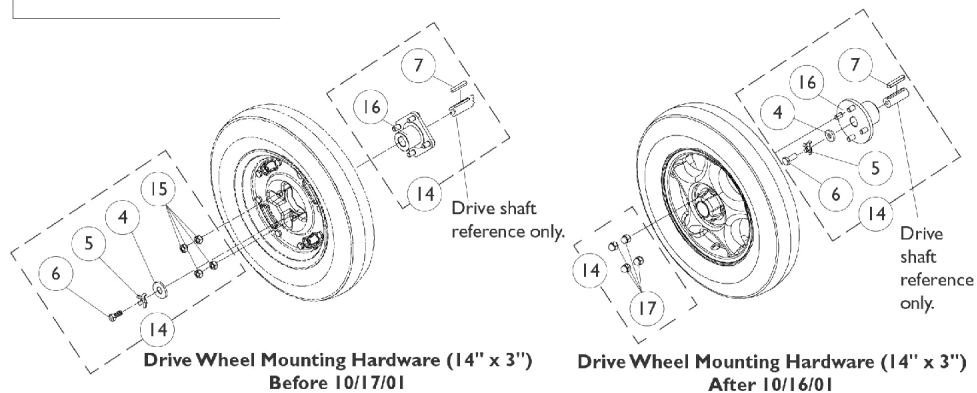
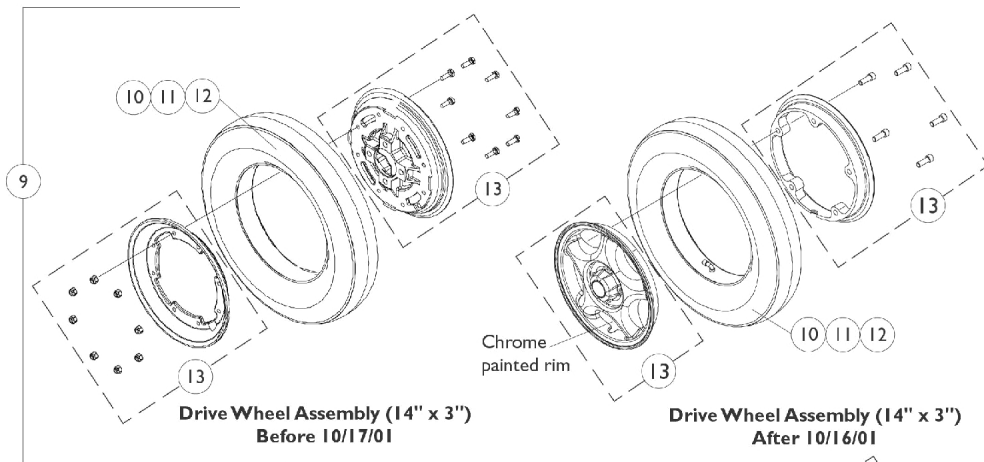
Part Number	Description	QTY per Assembly
1123249E-NLA See Note(s) A	WARR RPLMT - Charger, Battery, 8 Amp. 115vac (Off Board) Single Mode Round Plug w/ AC Power Line Cord, CTE Corp.	1
NOTE: A - See "Battery Charger - Cables & Wire Harness" Category for more information.		

Wheels, Drive and Hub Mount

NOTE: The new chrome painted 14" x 3" spoke wheels are retrofitable to chairs made before 10/17/01.
Wheel hub assembly part number (1103010) must be ordered as well.



Drive Wheel Assembly (12-1/2" x 2-1/4")



Wheels, Drive and Hub Mount

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1064177	Drive Wheel Assembly, 5 Spoke w/ Foam Fill Insert (12-1/2 x 2-1/4") Includes: Locking Tab Washer with Instruction Sheet	1	1
1		1064178-NLA	NLA - Drive Wheel Assembly, 5 Spoke, Pneumatic (12-1/2 x 2-1/4") Includes: Locking Tab Washer with Instruction Sheet	1	1
2		1011524	Tire, Pneumatic, Grey (12-1/2" x 2-1/4")	1	1
3		1011525	Tube, Inner, Black (12-1/2 x 2-1/4")	1	1
4		1079247	Washer, Flat (21/64 x 53/64 x 7/64")	1	1
5		1064179	Kit, Locking Tab Washer w/ Instruction Sheet (Pair)	2	1
6		7930322-NLA	NLA - Package, Screw, Hex Head (M8 x 1.25 x 20mm)	25	1
7		1023264	Key (6mm x 6mm x 40mm)	1	1
8	I	1074974-NLA	NLA - Cover, Shroud (Black), Drive Wheel	1	1
9	A	1090649-NLA	NLA - Pneumatic Wheel Drive Assembly (14" x 3")	1	1
9	B	1104438	Drive Wheel Assembly, Pneumatic, Grey Tire/Silver Rim (14 x 3")	1	1
9	A	1090650-NLA	NLA - Drive Wheel Assembly w/ Flat Free Insert, Grey Tire/Black Rim (14 x 3")	1	1
9	B	1104437	Drive Wheel Assembly, Flat Free, Grey Tire/Silver Rim (14 x 3")	1	1
10		1101754	Tire w/ Foam Fill Insert, Grey (14" x 3")	1	1
11		1039652	Tire, Pneumatic, Grey (14" x 3")	1	1
12		1039651	Tube, Inner, Black (14 x 3")	1	1
13	G,A	1090651-NLA	NLA - Kit, 8" Rim w/ Hardware (14" x 3" Wheel)	1	1
13	H,B	1104882-NLA	NLA - Kit, 8" Rim w/ Hardware (14 x 3" Wheel)	1	1
14	C,A	1090648-NLA	NLA - Hardware, Drive Wheel Mounting w/ Instruction Sheet (14 x 3")	1	1
14	D,B	1103011-NLA	NLA - Hardware, Drive Wheel Mounting w/ Instruction Sheet (14" x 3")	1	1
15		1024444	Locknut (5/16-24)	1	4
16	A	1086681-NLA	NLA - Hub, Wheel (14" x 3")	1	1
16	B	1100576-NLA	NLA - Hub, Wheel (14" x 3")	1	1
17		1100580	Nut, Beveled Hex (5/16-24)	1	4
	E,F,B	1103010-NLA	NLA - Wheel Hub Assembly	1	1
NOTE: A - Before 10/17/01 B - After 10/16/01 C - Includes items 4-7, 15 and 16 D - Includes items 4-7, 16 and 17 E - Includes items 16 and 17 F - Not Shown G - Sold complete. Includes the Rims, (8) ea. Hex Head Screws (1/4-20 x 3/4") and (8) ea. Locknuts (1/4-20). H - Sold complete. Includes the Rims and (5) ea. Socket Head Screws w/ Patch (5/16-18 x 7/8"). I - Shroud cover not available on drive wheels offered after 2/13/03					

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