

**Storm Series®
Ranger II™ MWD and
Chairs for WSBT
(Before 3/1/2000)**

Power Wheelchairs



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. 97-187. If you have any questions regarding this catalog, please contact one of our Customer Service Representatives.

For Customer Service Support Call:

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For Faxed In Orders Call:

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1-440-366-0709

For Technical Service Call:

1-800-832-4707

Literature Can Be Found at:

www.invacare.com or

1-800-828-6272

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 Finishes, Touch-Up Paint and Upholstery Options

Frame Finishes and Touch-Up Paint

Color Number	Part Number	Bottle Size	Color
02P	1031452-NLA	.6 oz.	Pink Pearl
06P	1031454-NLA	.6 oz.	Super Teal
08P	1031456-NLA	.6 oz.	Deep Purple
17P	1046319-NLA	.6 oz.	Cobalt Blue
22P	1033376-NLA	.6 oz.	Anthracite
24P	1031450-NLA	.6 oz.	Wet Black
29P	1031447-NLA	.6 oz.	White
33P	1031455-NLA	.6 oz.	Red
34P	1046327-NLA	.6 oz.	Flat Black
61P	1046321-NLA	.6 oz.	Electric Red
62P	1046320-NLA	.6 oz.	Electric Blue
64P	1046324-NLA	.6 oz.	Metallic Blue
69P	1101320-NLA	.6 oz.	Teflon Black
71P	N/A	N/A	Silver Vein
80P	1073892-NLA	.6 oz.	Evergreen w/Navy
81P	1073893-NLA	.6 oz.	Dark Olive w/Copper
82P	1073894-NLA	.6 oz.	Fruit Punch w/Fuchsia
83P	1073895-NLA	.6 oz.	Royal Blue w/Grape
84P	1073896-NLA	.6 oz.	Lavender
101P	1101325-NLA	.6 oz.	Jeweled Green
102P	1101327-NLA	.6 oz.	Denim Blue
103P	1101324-NLA	.6 oz.	Mocha Frost
104P	1101316-NLA	.6 oz.	Electric Teal
105P	1101326-NLA	.6 oz.	Midnight Blue

Frame Finishes, Touch-Up Paint and Upholstery Options

Sparkle Frame Finishes

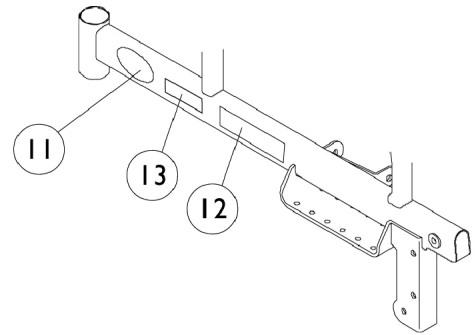
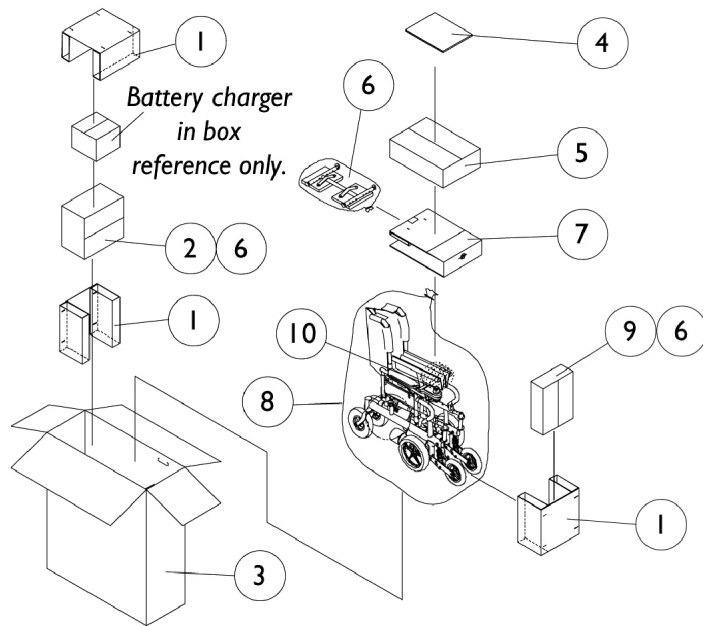
Color Number	Color
72P	Twilight Sparkle
73P	Gold Sparkle
74P	Green Sparkle
75P	Blue Sparkle
76P	Red Sparkle
88P	Wet Black w/Twilight Sparkle

Upholstery Options

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

Packaging, Literature and Decals

Sling Seat without Shrouds



Right/Left Outside of Frame

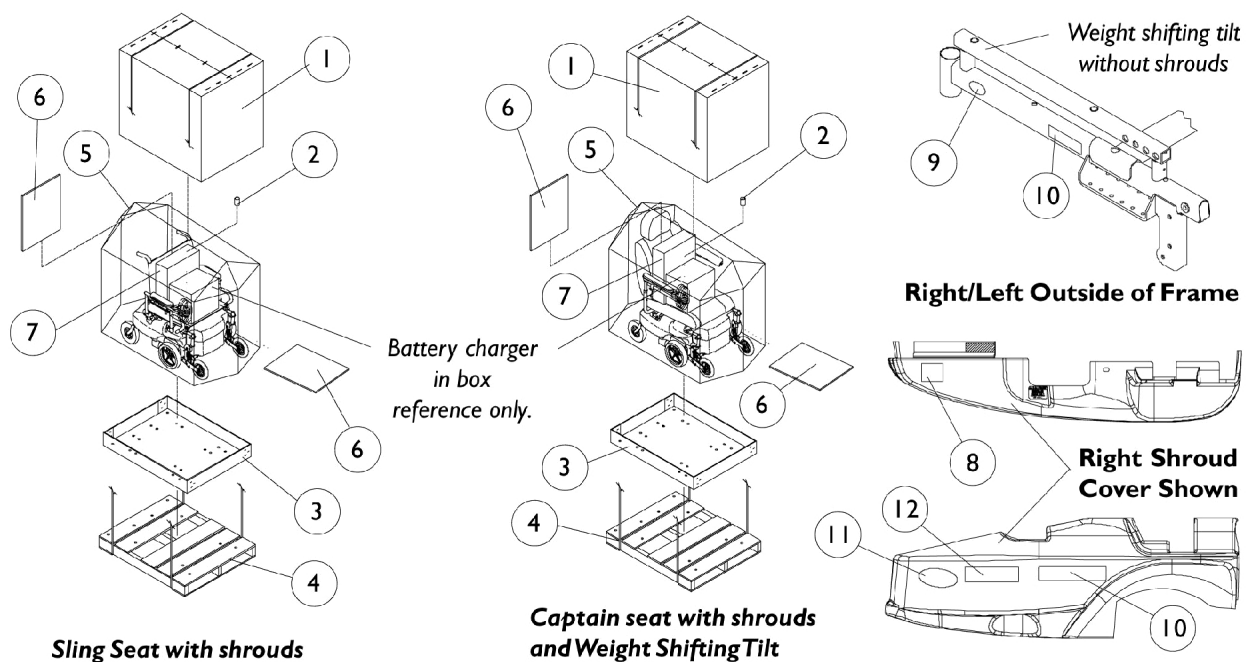
Packaging, Literature and Decals

Sling Seat without Shrouds

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1074356-NLA	NLA - Insert, Carton	1	3
2		1023167-NLA	NLA - Carton, Battery Boxes	1	1
3		1074355-NLA	NLA - Carton	1	1
4		40131X039-NLA	NLA - Insert, Carton	1	1
5		40131X011-NLA	NLA - Carton, Front Riggings	1	1
6		1021866-NLA	NLA - Bag, Poly (26" L x 15" W)	1	4
7		1023165-NLA	NLA - Insert, Carton	1	1
8		1015592	Bag, Poly (72" L x 35" W x 19" D)	1	1
9		40131X148-NLA	NLA - Carton, Hardware	1	1
10		1043198-NLA	NLA - Tube, Paper	1	1
11	A	1090146-NLA	NLA - Decal, Invacare 3-D Logo (1-19/32" L)	1	2
12	A,B,D	1095224-NLA	NLA - Decal, Model, Black - Ranger II	1	2
12	A,E	1095225-NLA	NLA - Decal, Model, White - Ranger II	1	2
13		1097104-NLA	NLA - Decal - 250-S	1	2
	C	1074139-NLA	NLA - Decal, MWD	1	2
	C	1065145-NLA	NLA - Decal, Virtual Service	1	2
	C	1035900	Decal, Transportation	1	1
	C	1119281-NLA	NLA - Plate, Name, Patent Numbers	1	1
	C	1100911-NLA	NLA - Decal, Stabilizer Patent	1	1
	C,F	1095272-NLA	NLA - Instruction Manual, MKIV RII	1	1
	C	1080722-NLA	NLA - Owner's Manual - Ranger II and R2 jr.	1	1
NOTE: A - Invacare logo added and model decals changed 1/11/00. When replacing side frames before 1/11/00 order decals in pairs to match. B - Used for chairs with frame colors 02P, 29P and 84P only. C - Not Shown. D - (Black) Weight Shifting Tilt After 2/29/00. E - (White) Weight Shifting Tilt After 2/29/00. F - 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.					

Packaging, Literature and Decals

Sling Seat with Shrouds, Captain Seat and Weight Shifting Tilt



Packaging, Literature and Decals

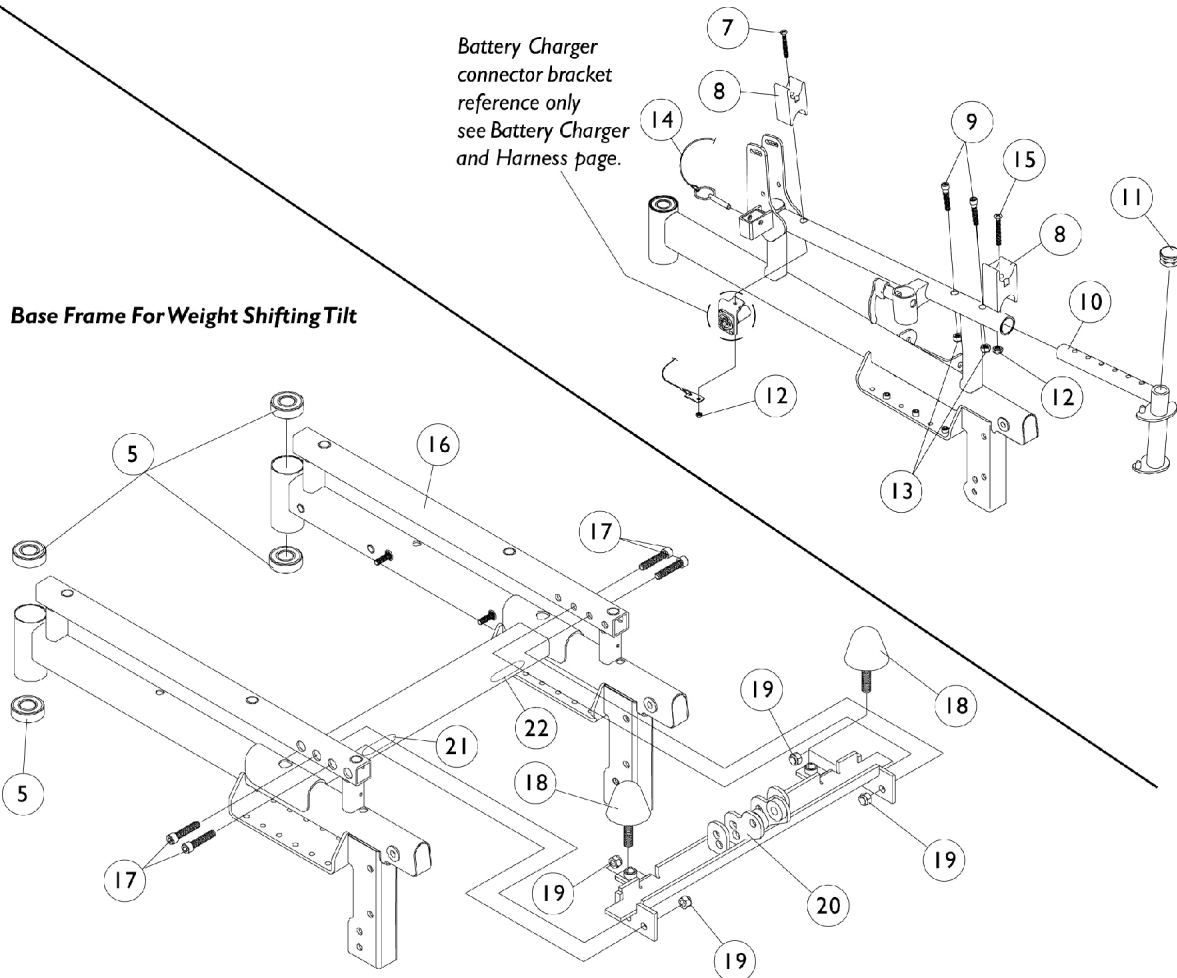
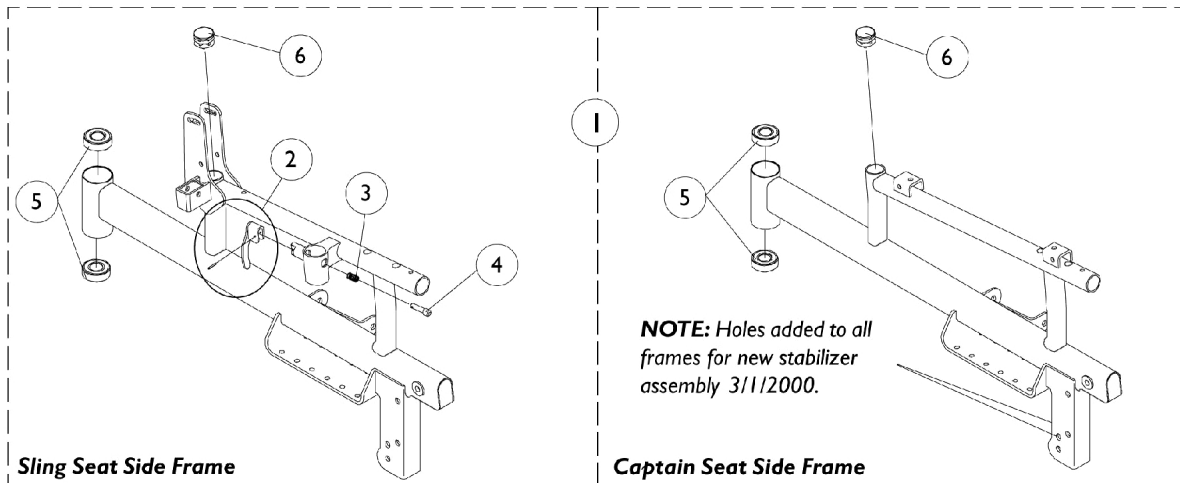
Sling Seat with Shrouds, Captain Seat and Weight Shifting Tilt

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	G	1030364	Carton, Cover	1	1
1	H	1031682	Carton, Cover	1	1
2		1043198-NLA	NLA - Tube, Paper	1	1
3		1030362	Carton, Tray	1	1
4	F	See Note	See Footnote	1	1
5		1015592	Bag, Poly (72" L x 35" W x 19" D)	1	1
6		40131X161	Insert, Plain Pad	1	2
7		40131X011-NLA	NLA - Carton, Front Riggings	1	1
8		1076575-NLA	NLA - Decal, Caution, Limit Switch	1	1
9	A	1090146-NLA	NLA - Decal, Invacare 3-D Logo (1-19/32" L)	1	2
10	A,B,D	1095224-NLA	NLA - Decal, Model, Black - Ranger II	1	2
10	A,E	1095225-NLA	NLA - Decal, Model, White - Ranger II	1	2
11	A	1095489	Decal, Invacare 3-D Logo (2-1/2" L)	1	2
12		1097104-NLA	NLA - Decal - 250-S	1	2
	C	1074139-NLA	NLA - Decal, MWD	1	2
	C	1065145-NLA	NLA - Decal, Virtual Service	1	2
	C	1035900	Decal, Transportation	1	1
	C	1119281-NLA	NLA - Plate, Name, Patent Numbers	1	1
	C	1100911-NLA	NLA - Decal, Stabilizer Patent	1	1
	C	1043576-NLA	NLA - Service Manual, MKIV Electronics	1	1
	C,I	1095272-NLA	NLA - Instruction Manual, MKIV RII	1	1
	C	1080722-NLA	NLA - Owner's Manual - Ranger II and R2 jr.	1	1
	C	98007X005	Tie Wrap (11-1/2" L)	1	5

NOTE: A - Invacare logo added and model decals changed 1/11/00. When replacing side frames before 1/11/00, order decals in pairs to match.
B - Used for chairs with frame colors 02P, 29P and 84P only.
C - Not Shown.
D - (Black) Weight Shifting Tilt After 2/29/00.
E - (White) Weight Shifting Tilt After 2/29/00.
F - Wooden skid not provided.
G - Sling Seat, Low Back Captain Seat and Weight Shifting Tilt.
H - High Back Captain Seat.
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.

NOTE: When adjusting or replacing parts, please refer to your Owner's Manual for assistance.

Frames and Hardware



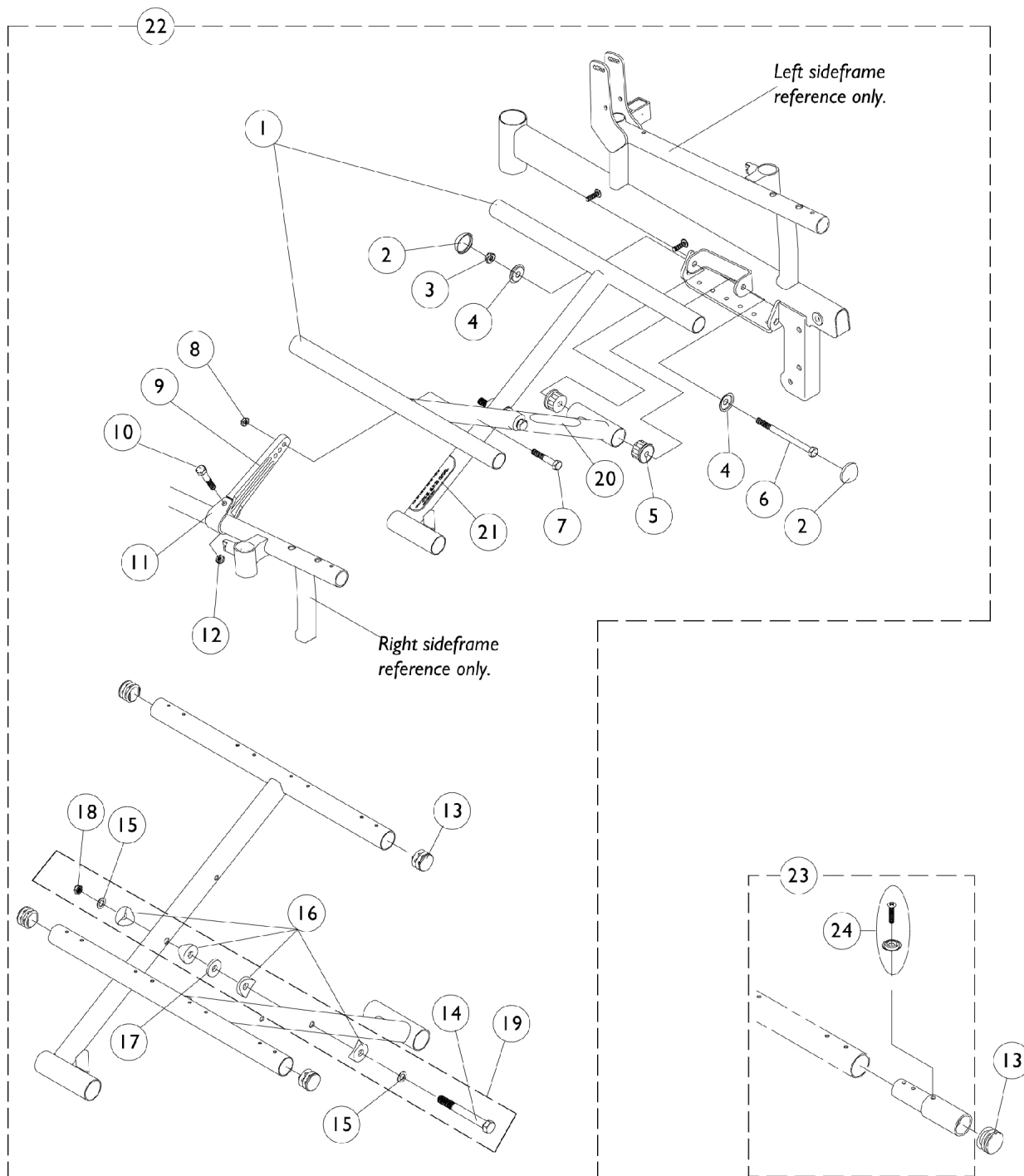
Frames and Hardware

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A,B	8881071541-NL A	NLA - Frame, Side with Bearings, Sling Seat, Color - Right	1	1
1	A,B	8881071542-NL A	NLA - Frame, Side with Bearings, Sling Seat, Color - Left	1	1
1	A,C	8881074147-NL A	NLA - Frame, Side with Bearings, Captain Seat, Color - Right	1	1
1	A,C	8881074148-NL A	NLA - Frame, Side with Bearings, Captain Seat, Color - Left	1	1
1	C,E	1081016-NLA	NLA - Side Frame Assembly, Captain Seat - Right	1	1
1	C,E	1081017-NLA	NLA - Side Frame Assembly, Captain Seat - Left	1	1
2		1090768	Kit, Lock Handle w/Rivets (Pair)	2	1
3		47471X074	Spring, Arm Lock	1	1
4		1028594	Pin, Arm Lock, Black	1	1
5		40117X006	Bearing (5/8")	1	2
6		1029501	Plug Button, Black (1")	1	1
7	D	1085124-NLA	NLA - Screw, Socket Flat Head (#10-32 x 1-3/4")	1	2
8		1007541	Clamp, Seat	1	2
9		7930304-NLA	NLA - Screw, Socket Head (1/4-20 x 1-1/4")	25	1
10		1060099-NLA	NLA - Hanger, Front Rigging, Black - Right	1	1
10		1060100-NLA	NLA - Hanger, Front Rigging, Black - Left	1	1
11		1027097	Plug Button, Black (3/4")	1	1
12		1025731	Locknut (#10-32)	1	2
13		7930333	Locknut (1/4-20)	25	1
14	D	1068039	Pin, Pull	1	1
15		1085134-NLA	NLA - Screw, Socket Flat Head (#10-32 x 1-5/8")	1	1
16	A,B,F	1079192-NLA	NLA - Base Frame with Bearings	1	1
17		1021344	Screw, Socket Head (5/16-18 x 1-1/2")	1	4
18		0225100-NLA	NLA - Bumper, Tilt	1	2
19		1026158	Locknut (5/16-18)	1	4
20		1098615-NLA	NLA - Bracket, Link w/ Caution Decal, Black	1	1
21		1035900	Decal, Transportation	1	1
22		60106X013-NLA	NLA - Plate, Name, Patent Numbers	1	1

NOTE: A - Decals not included with frames. See page titled, "Packaging, Literature and Decals."
 B - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."
 C - Captain seat side frames come in 24P wet black only.
 D - Screws changed 9/16/99 and serve as a direct replacement for chairs manufactured before 9/16/99.
 E - Captain Seat Side Frames with serial numbers 98F39748 - 98F39877 must use #1081016 and/or #1081017.
 F - Weight Shifting Tilt.

NOTE: Sling seats with shrouds and Weight Shift Tilt seat frame with shrouds come in 24P wet black only.

Crossbraces, Seat Extensions and Hardware Sling Seat

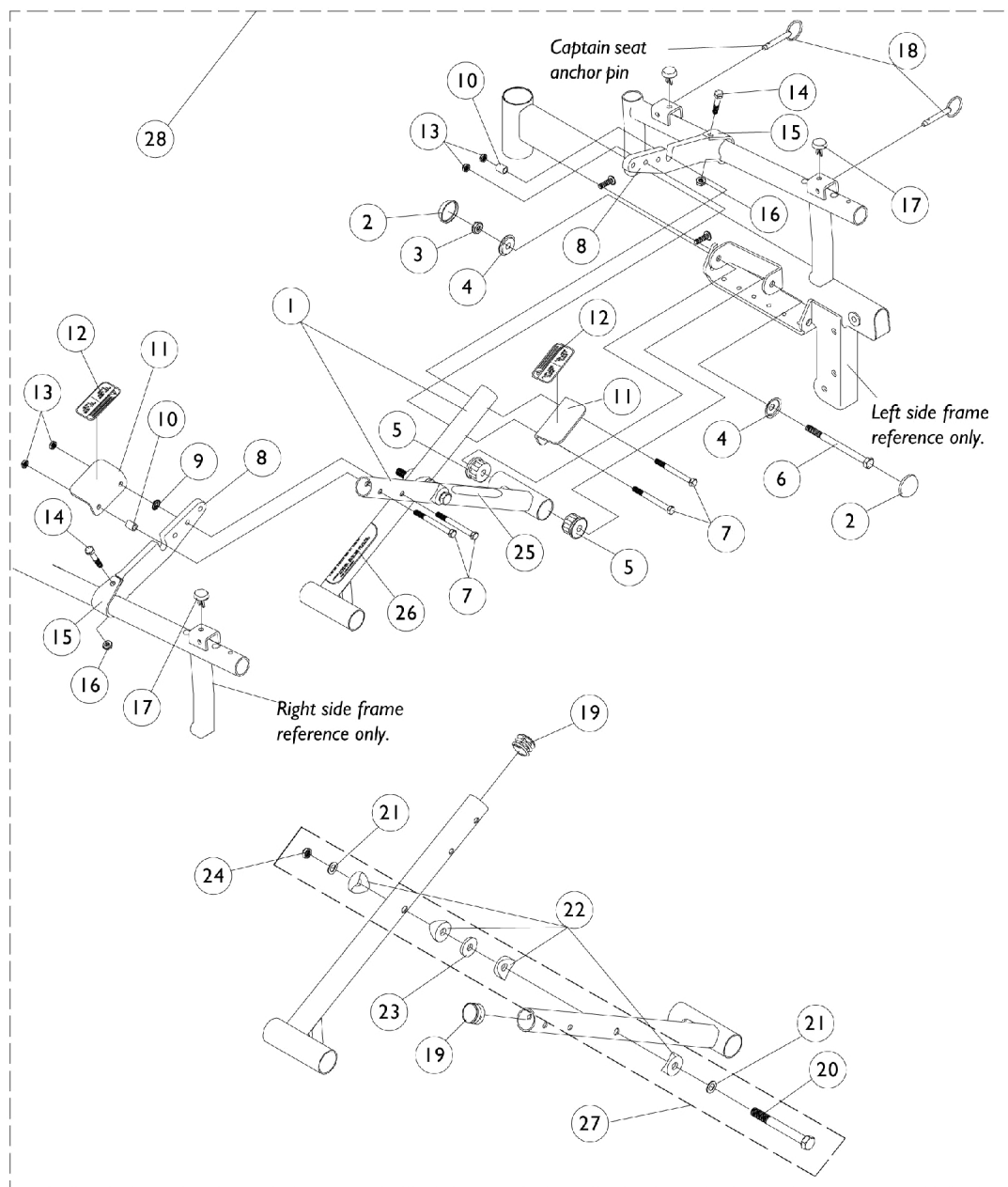


Crossbraces, Seat Extensions and Hardware Sling Seat

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	C	1071545-NLA	NLA - Crossbrace Assembly, Black (16" W)	1	2
1	C	1071546-NLA	NLA - Crossbrace Assembly, Black (18" W)	1	2
1	C	1071547-NLA	NLA - Crossbrace Assembly, Black (20" W)	1	2
2		1028835-NLA	NLA - Cap, Hub, Black	1	4
3		7930363-NLA	NLA - Package, Locknut (5/16"-24)	25	1
4		1028491-NLA	NLA - Washer, Caplugs (11/32" I.D. x 1" O.D.)	1	4
5		1056708-NLA	NLA - Plug, Pivot Tube	1	4
6		1038179-NLA	NLA - Screw, Hex Head (5/16-24 x 4-1/4")	1	2
2-6	A,B,I	1057830-NLA	NLA - Hardware, Crossbrace Pivot Tube	2	1
7		1024793-NLA	NLA - Screw, Hex Head (1/4-20 x 1-3/4")	1	2
8		1025736	Locknut (1/4-20)	1	4
9		1057382-NLA	NLA - Link, Pivot, Hemi, Black (16 - 18" W)	1	2
9		1057383-NLA	NLA - Link, Pivot, Hemi, Black (19 - 20" W)	1	2
10		1030949	Screw, Hex Head (1/4-20 x 1-1/2")	1	2
11		1057828-NLA	NLA - Strap, Pivot Link	1	2
12		7930323-NLA	NLA - Package, Locknut (1/4-20)	25	1
13		1029501	Plug Button, Black (1")	1	4
14		1025705-NLA	NLA - Screw, Hex Head (5/16-24 x 3-1/4")	1	2
15		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	1
16		1016263	Spacer, Coved (3/4 x 1 x 1/2")	1	4
17		7930313	Package, Washer, Nylon (5/16 x 7/8 x 1/8")	25	1
18		7930330-NLA	NLA - Locknut (5/16-24)	25	1
19	D	1086180-NLA	NLA - Hardware, Crossbrace Center Bolt Attaching	1	1
20		1035900	Decal, Transportation	1	1
21		1119281-NLA	NLA - Plate, Name, Patent Numbers	1	1
22	E,F	1071503	Hardware, Crossbrace	1	1
23	G	1058616-NLA	NLA - Kit, Seat Extension - 1" (Pair)	2	1
23	H	1058617	Kit, Seat Extension - 2" (Pair)	2	1
24		1026298	Package, Screw with Washer (#10 x 7/8") (Pair)	2	1
24		1076284	Screw w/ Washer (#10 x 7/8")	1	2
24	A	40163X003-NLA	NLA - Screw, Phillips Pan Head (#10 X 5/8")	1	2

NOTE: A - Solid Folding Seats only.
 B - Includes items 2 through 6.
 C - Decals not included with crossbraces. See items 20 and 21.
 D - Includes items 14-18.
 E - Less items 1 and 9.
 F - Includes items 2-8, 10-18, 20 and 21.
 G - For 17" Depth.
 H - For 18" Depth.
 I - Pair.

Crossbraces and Hardware - Before 7/1/99 Captain Seat



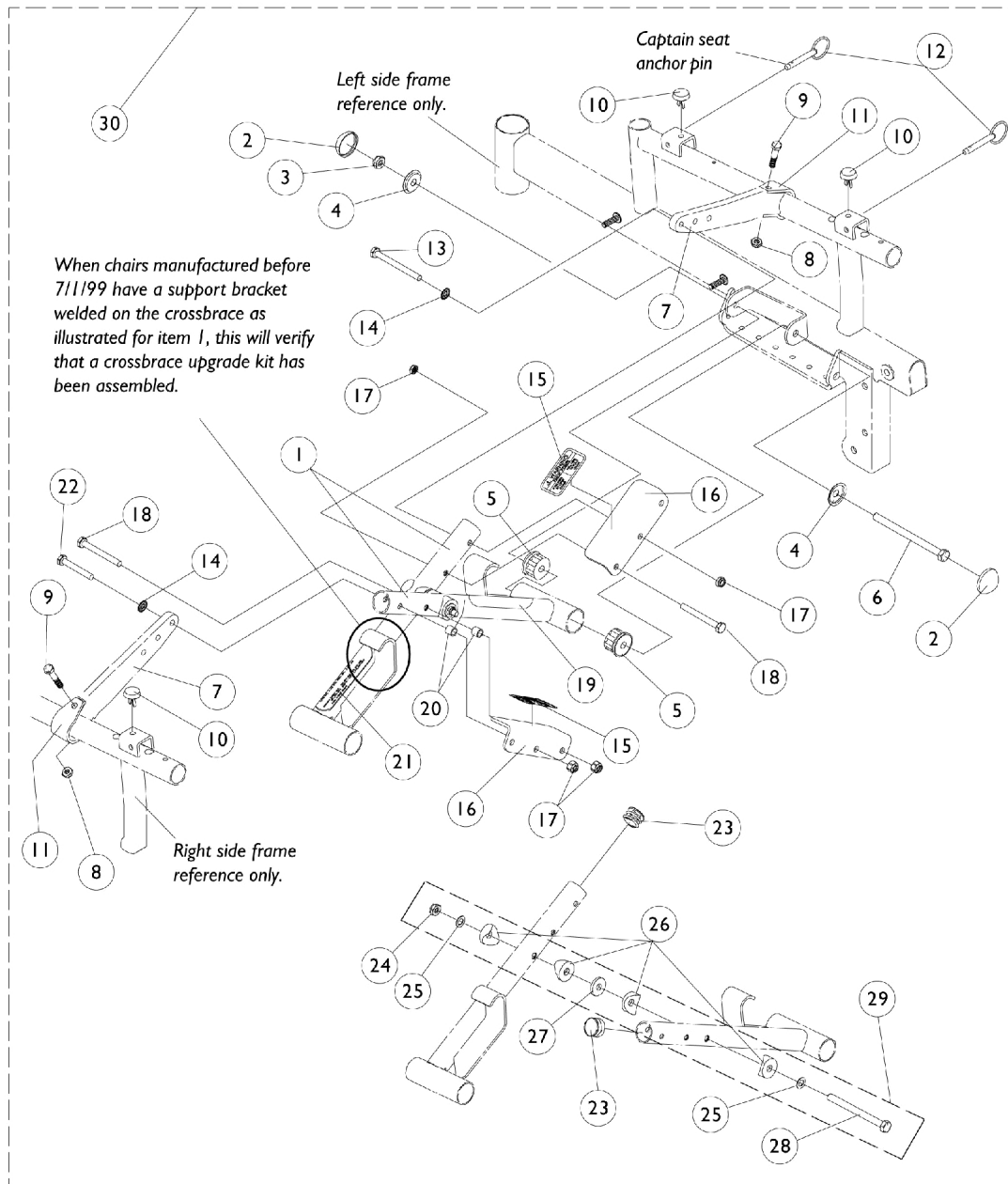
Crossbraces and Hardware - Before 7/1/99

Captain Seat

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1071586-NLA	NLA - Crossbrace, Captain Seat (18" W)	1	2
2		1028835-NLA	NLA - Cap, Hub, Black	1	4
3		7930363-NLA	NLA - Package, Locknut (5/16"-24)	25	1
4		1028491-NLA	NLA - Washer, Caplugs (11/32" I.D. x 1" O.D.)	1	4
5		1056708-NLA	NLA - Plug, Pivot Tube	1	4
6		1038179-NLA	NLA - Screw, Hex Head (5/16-24 x 4-1/4")	1	2
2-6	B,C,F	1057830-NLA	NLA - Hardware, Crossbrace Pivot Tube	2	1
7		1024796-NLA	NLA - Screw, Hex Head (1/4-20 x 2")	1	4
8	A	1074109-NLA	NLA - Link, Pivot	1	2
9		1018739	Washer (1/4 x 5/8 x 3/32")	1	1
10	A	1071583-NLA	NLA - Spacer (1/4 x 3/8 x 15/32")	1	2
11	A	1074141-NLA	NLA - Bracket, Push, Black	1	2
12		1074142-NLA	NLA - Decal, Crossbrace	1	2
13		7930333	Locknut (1/4-20)	25	1
14		1030949	Screw, Hex Head (1/4-20 x 1-1/2")	1	2
15		1057828-NLA	NLA - Strap, Pivot Link	1	2
16		7930323-NLA	NLA - Package, Locknut (1/4-20)	25	1
17		1071604-NLA	NLA - Bumper, Nylon	1	4
18		1071602-NLA	NLA - Pin, Anchor (Captain Seat)	1	4
19		1029501	Plug Button, Black (1")	1	4
20		1025705-NLA	NLA - Screw, Hex Head (5/16-24 x 3-1/4")	1	2
21		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	2
22		1016263	Spacer, Coved (3/4 x 1 x 1/2")	1	4
23		7930313	Package, Washer, Nylon (5/16 x 7/8 x 1/8")	25	1
24		7930330-NLA	NLA - Locknut (5/16-24)	25	1
25		1035900	Decal, Transportation	1	1
26		1119281-NLA	NLA - Plate, Name, Patent Numbers	1	1
27	E	1086180-NLA	NLA - Hardware, Crossbrace Center Bolt Attaching	1	1
28	A,D	1074118-NLA	NLA - Hardware, Crossbrace	1	1
NOTE: A - Chairs manufactured before 7/1/99 need to be assembled with the crossbrace upgrade kit #1086801. Upgrade kit components can be found on Crossbraces and Hardware page dated after 6/30/99 B - Not Shown. C - Includes items 2 through 6. D - Less items 1 and 8. Includes items 2-7 and 9-26. E - Includes items 20-24. F - Pair					

Crossbraces and Hardware - After 6/30/99

Captain Seat

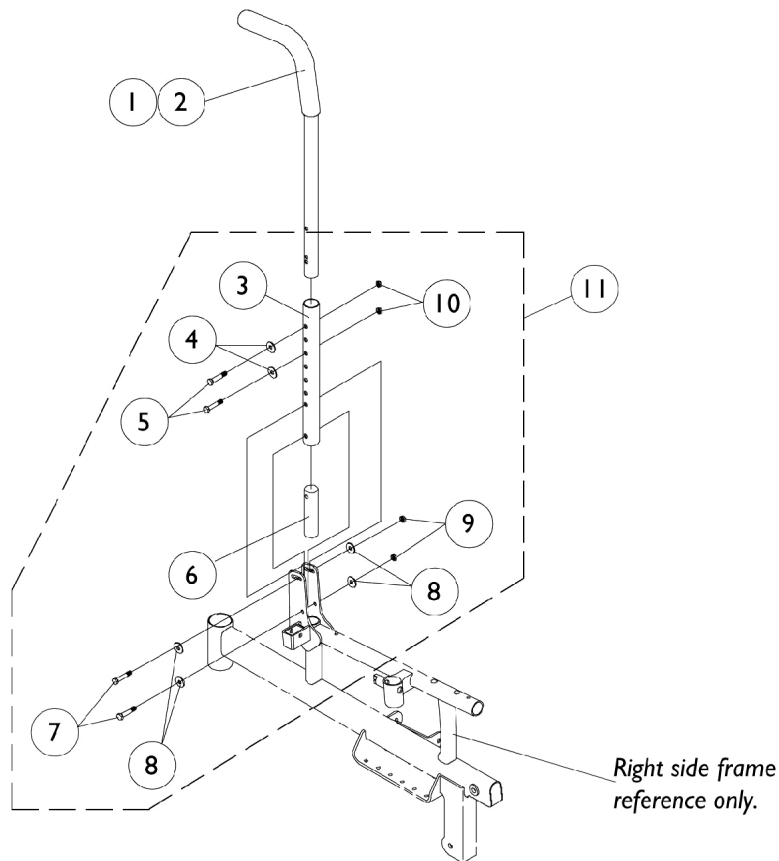


Crossbraces and Hardware - After 6/30/99

Captain Seat

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	B	1086578-NLA	NLA - Crossbrace w/Support Bracket (18" W)	1	2
2		1028835-NLA	NLA - Cap, Hub, Black	1	4
3		7930363-NLA	NLA - Package, Locknut (5/16"-24)	25	1
4		1028491-NLA	NLA - Washer, Caplugs (11/32" I.D. x 1" O.D.)	1	4
5		1056708-NLA	NLA - Plug, Pivot Tube	1	4
6		1038179-NLA	NLA - Screw, Hex Head (5/16-24 x 4-1/4")	1	2
2-6	C,D,H	1057830-NLA	NLA - Hardware, Crossbrace Pivot Tube	2	1
7		1057382-NLA	NLA - Link, Pivot, Hemi, Black (16 - 18" W)	1	2
8		7930323-NLA	NLA - Package, Locknut (1/4-20)	25	1
9		1030949	Screw, Hex Head (1/4-20 x 1-1/2")	1	2
10		1071604-NLA	NLA - Bumper, Nylon	1	4
11		1057828-NLA	NLA - Strap, Pivot Link	1	2
12		1071602-NLA	NLA - Pin, Anchor (Captain Seat)	1	4
13		1024796-NLA	NLA - Screw, Hex Head (1/4-20 x 2")	1	1
14		1026900	Washer (1/4 x 23/32 x 1/16")	1	2
15		1074142-NLA	NLA - Decal, Crossbrace	1	2
16	B	1086800-NLA	NLA - Bracket, Push, Black	1	2
17		7930333	Locknut (1/4-20)	25	1
18		1024793-NLA	NLA - Screw, Hex Head (1/4-20 x 1-3/4")	1	2
19		1035900	Decal, Transportation	1	1
20		1031884-NLA	NLA - Bushing, Black or Color Chairs (9/32 x 3/8 x 11/32")	1	2
21		1119281-NLA	NLA - Plate, Name, Patent Numbers	1	1
22		1026154-NLA	NLA - Screw, Hex Head (1/4-20 x 2-1/4")	1	1
23		1029501	Plug Button, Black (1")	1	2
24		7930330-NLA	NLA - Locknut (5/16-24)	25	1
25		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	2
26		1016263	Spacer, Coved (3/4 x 1 x 1/2")	1	4
27		7930313	Package, Washer, Nylon (5/16 x 7/8 x 1/8")	25	1
28		1025705-NLA	NLA - Screw, Hex Head (5/16-24 x 3-1/4")	1	1
29	G	1086180-NLA	NLA - Hardware, Crossbrace Center Bolt Attaching	1	1
30	E	1086794-NLA	NLA - Hardware, Crossbrace	1	1
	A,D,F	1086801-NLA	NLA - Kit, Crossbrace Upgrade	1	1
	D	1088895-NLA	NLA - Instruction Sheet, Crossbrace Upgrade Kit	1	1
NOTE: A - When chairs manufactured before 7/1/99 have a support bracket welded on the crossbrace as illustrated for item 1, this will verify that a crossbrace upgrade kit has been assembled. B - Decals not included. See page titled, "Packaging, Literature and Decals." C - Includes items 2 through 6. D - Not Shown. E - Less items 1 and 7. Includes items 2-6 and 8-28. F - Includes items 1, 7, 30 and instruction sheet. G - Includes items 24-28. H - Pair					

Back Canes and Attaching Hardware



Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1028372	Back Cane Assembly, 10 Degree Bend	1	2
2		1006229	Grip, Foam (8")	1	2
3		1071565-NLA	NLA - Tube, Rear Upright, Black	1	2
4		1026907	Washer (1/4 x 1/2 x 1/16")	1	4
5		1057955	Screw, Hex Head (1/4-20 x 1-1/4")	1	4
6		1071488-NLA	NLA - Insert, Threaded	1	2
7		1055348	Screw, Hex Head (1/4-28 x 1-3/4")	1	4
8		1026900	Washer (1/4 x 23/32 x 1/16")	1	8
9		7930345	Locknut (1/4-28)	25	1
10		7930323-NLA	NLA - Package, Locknut (1/4-20)	25	1
11	A	1071564-NLA	NLA - Hardware, Back Cane Attaching (Pair)	2	1

NOTE: A - Includes items 3-10.

Back & Seat Upholstery

Seat Upholstery, Nylon

Width	16" Deep	17" Deep	18" Deep
16" Wide	1016321	1016322-NLA	1016323-NLA
18" Wide	1016327	1016328	1016329
20" Wide	1017643	1017646-NLA	1017649

Seat Upholstery, Vinyl

Width	16" Deep	17" Deep	18" Deep
16" Wide	8881024423-NLA See Note(s) A	8881024424-NLA See Note(s) A	8881024134-NLA See Note(s) A
18" Wide	8881024132-NLA See Note(s) A	8881024137-NLA See Note(s) A	8881024138-NLA See Note(s) A
20" Wide	8881024129-NLA See Note(s) A	8881024141-NLA See Note(s) A	8881024142-NLA See Note(s) A

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

Back Upholstery

Width	Nylon	Vinyl
16" Wide	1060612	8881058353-NLA See Note(s) A
18" Wide	1060613	8881058354-NLA See Note(s) A
20" Wide	1060614	8881058355-NLA See Note(s) A

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

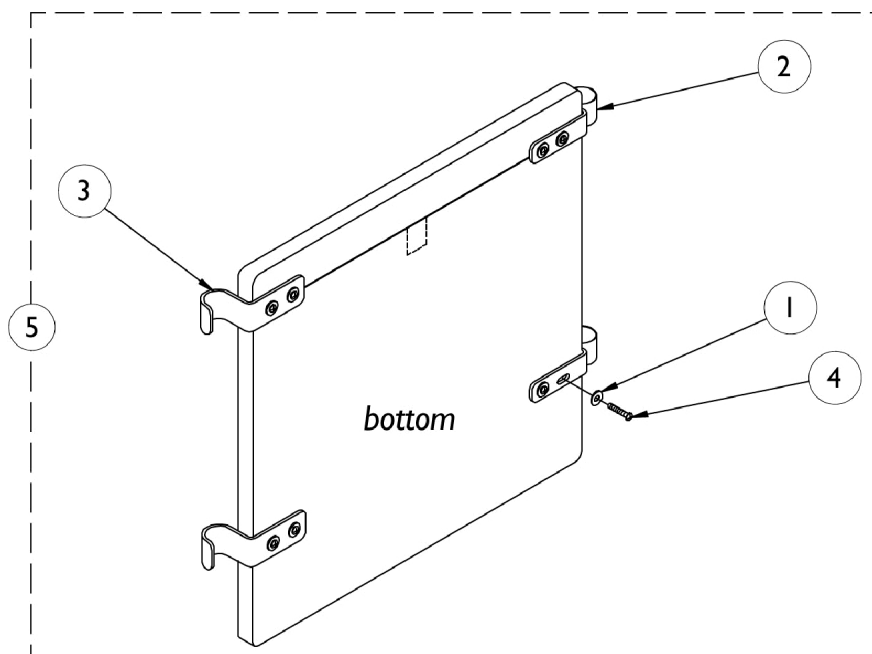
Back & Seat Upholstery

Attaching Hardware

Back Upholstery Hardware	Seat Upholstery Hardware
1026298	1027057-NLA
Package Consists Of: 2 ea. Screw with Washer (10 x 7/8") 2 ea. Cable Ties	Package Consists Of: 8 ea. Screw with Washer (10 x 7/8")

Solid Folding Seats and Inserts

NOTE: Solid Folding Seats measure two inches narrower than actual seat width.



Solid Folding Seats

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1013218	Washer (#10 Flat)	1	8
2		1016770-NLA	NLA - Bracket, Seat, Chrome	1	2
3		1016771-NLA	NLA - Hook, Seat	1	2
4		7930360-NLA	NLA - Package, Screw, Phillips Pan Head (#10-32 x 11/16")	25	1
5	A	8881110378-NL A	NLA - Solid Folding Seat w/ Hardware, Vinyl (16" W x 16" D)	1	1
5	A	8881110379	Solid Folding Seat w/ Hardware, Vinyl (18" W x 16" D)	1	1
5	A	8881110372	Solid Folding Seat w/ Hardware, Nylon (20" W x 16" D)	1	1
5	A	8881035936	Solid Folding Seat w/ Hardware, Nylon (20" W x 18" D)	1	1
	B	See Chart	Solid Seat Inserts	1	1

NOTE: A - Specify upholstery color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."
B - Not Shown

Solid Seat Inserts

Chair Width x Depth	Upholstery Type - Nylon	Upholstery Type - Vinyl
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Solid Folding Seats and Inserts

NOTE: Solid Folding Seats measure two inches narrower than actual seat width.

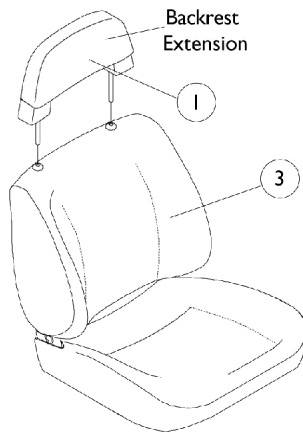
Solid Seat Inserts

Chair Width x Depth	Upholstery Type - Nylon	Upholstery Type - Vinyl
16" x 16"	8881052563 See Note(s) A	8881034648-NLA See Note(s) A
16" x 17"	8881052564 See Note(s) A	8881034657-NLA See Note(s) A
16" x 18"	8881052565 See Note(s) A	8881034666-NLA See Note(s) A
18" x 16"	8881052569 See Note(s) A	8881034650 See Note(s) A
18" x 17"	8881052570 See Note(s) A	8881034659-NLA See Note(s) A
18" x 18"	8881052571 See Note(s) A	8881034668 See Note(s) A
20" x 16"	8881052575 See Note(s) A	8881034652-NLA See Note(s) A
20" x 17"	8881052576 See Note(s) A	8881034661-NLA See Note(s) A
20" x 18"	8881052577 See Note(s) A	8881034670 See Note(s) A

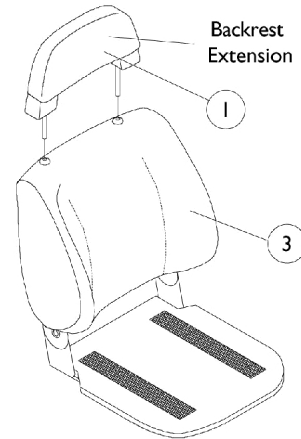
NOTE: A - Specify upholstery color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."

Captain Seat Assembly - Before 9/1/02

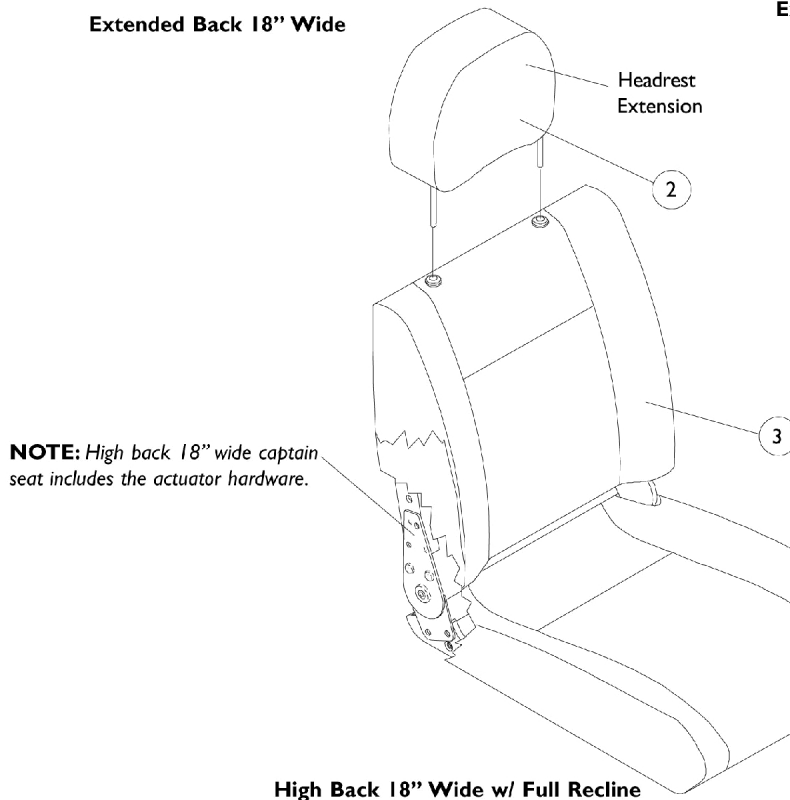
NOTE: Low Back (L.B.) Captain Seat description changed to Extended Back (E.B.) Captain Seat as of 10/02/00. Captain Seats incorporate an assisted recline of approximately 80 - 114 degrees for extended backs and 90 - 170 degrees for high back 18" wide models.



Extended Back 18" Wide



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



High Back 18" Wide w/ Full Recline

Captain Seat Assembly - Before 9/1/02

NOTE: Low Back (L.B.) Captain Seat description changed to Extended Back (E.B.) Captain Seat as of 10/02/00. Captain Seats incorporate an assisted recline of approximately 80 - 114 degrees for extended backs and 90 - 170 degrees for high back 18" wide models.

Item #1 - Extended Back Backrest

Extended Back Backrest (E.B.)	Grey Fabric/Vinyl	All Grey Vinyl	Brunswick Buff All Tan Vinyl
E.B. Before 3/25/98	1071578-NLA See Note(s) A	N/A	N/A
E.B. 3/25/98 - 8/3/99 and Forward Folding Before 5/12/00	1078997-NLA See Note(s) B	N/A	N/A
E.B. After 8/3/99 and Forward Folding After 5/11/00	1090374-NLA See Note(s) C	N/A	N/A
E.B. Before 7/22/99	N/A	1081285-NLA See Note(s) B	1086109-NLA See Note(s) B
E.B. After 7/21/99	N/A	1090375-NLA See Note(s) C	1090376-NLA See Note(s) C
NOTE: A - 9-29/64" Backrest Post Spacing. B - 9" Backrest Post Spacing. C - 4-3/4" Backrest/Headrest Post Spacing.			

Item #2 - High Back Headrest

Headrest	Grey Fabric/Vinyl	All Grey Vinyl	Brunswick Buff All Tan Vinyl
Headrest, High Back Before 8/16/99	1071576-NLA See Note(s) D	N/A	N/A
Headrest, High Back After 8/15/99	1090379-NLA See Note(s) C	N/A	N/A
Headrest, High Back	N/A	1090380-NLA See Note(s) C	N/A
NOTE: C - 4-3/4" Backrest/Headrest Post Spacing. D - 4-23/32" Headrest Post Spacing.			

Captain Seat Assembly - Before 9/1/02

NOTE: Low Back (L.B.) Captain Seat description changed to Extended Back (E.B.) Captain Seat as of 10/02/00. Captain Seats incorporate an assisted recline of approximately 80 - 114 degrees for extended backs and 90 - 170 degrees for high back 18" wide models.

Item #3 - 18" Wide Extended Back Captain Seat

Captain Seat - Extended Back	Grey Fabric/Vinyl	All Grey Vinyl	Brunswick Buff All Tan Vinyl
Before 8/4/99 w/Mounting Screws	1091123-NLA See Note(s) F, E	N/A	N/A
After 8/3/99	1090371-NLA See Note(s) G, F	N/A	N/A
Before 7/22/99	N/A	1081284-NLA See Note(s) F	1086108-NLA See Note(s) F
After 7/21/99	N/A	1090372-NLA See Note(s) F, G	1090373-NLA See Note(s) G, F
and Forward Folding Before 5/12/00	1085104-NLA See Note(s) F	N/A	N/A
and Forward Folding After 5/11/00	1090370-NLA See Note(s) G, F	N/A	N/A

NOTE: E - After 8/3/99 #1079236 extended back captain seat with mounting screws was replaced by #1091123 due to change in the backrest post spacing. New bracket head rest #1090374 must be ordered as well to match.
F - For Captain Seats marked NLA, use Captain Seats dated after 8/31/02 as replacements.
G - Backrest/Headrest post spacing changed. When replacing seat assemblies made before the date specified, a new style backrest or headrest must be ordered as well to match.

NOTE: When converting between high back and extended back captain seats, the wiring harness will also need to be converted. See page titled "Battery Charger and Harnesses".

Item #3 - 18" Wide High Back Captain Seat

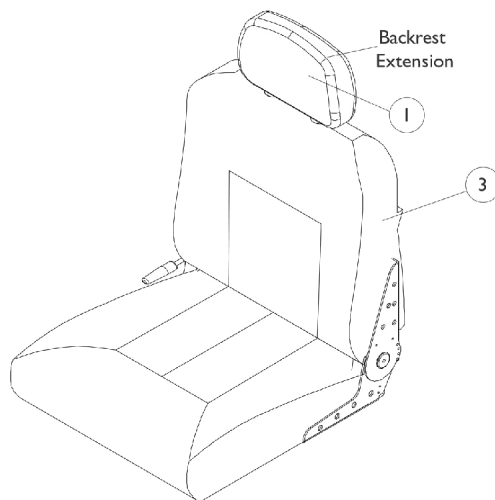
Captain Seat - High Back	Grey Fabric/Vinyl	All Grey Vinyl	Brunswick Buff All Tan Vinyl
18" Wide High Back Before 8/16/99	1070456-NLA See Note(s) H, F	N/A	N/A
18" Wide High Back After 8/15/99	1091068-NLA See Note(s) G, H, F	N/A	N/A
18" Wide High Back	N/A	1091069-NLA See Note(s) F	N/A

NOTE: F - For Captain Seats marked NLA, use Captain Seats dated after 8/31/02 as replacements.
G - Backrest/Headrest post spacing changed. When replacing seat assemblies made before the date specified, a new style backrest or headrest must be ordered as well to match.
H - High back 18" wide captain seats includes all actuator attaching hardware (LESS) the limit switch sensor harness #1074983. See page titled "Captain Seat Frame and Actuator Hardware".

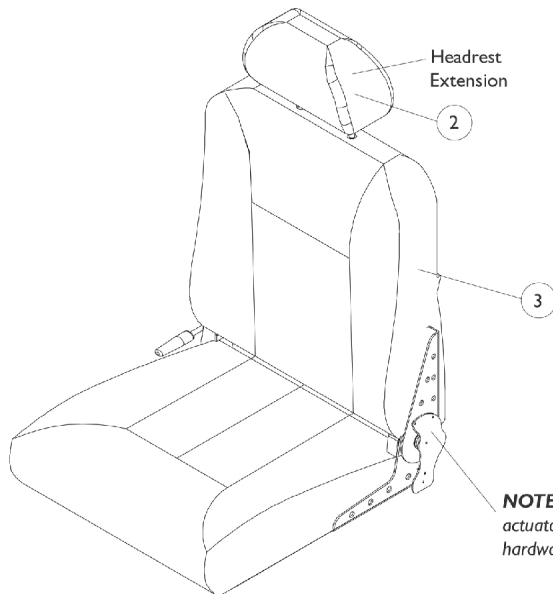
NOTE: When converting between high back and extended back captain seats, the wiring harness will also need to be converted. See page titled "Battery Charger and Harnesses".

Captain Seat Assembly - After 8/31/02

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). Recline release levers are standard on the right side. Semi recline left side release levers can be ordered as a special with a new captain seat. All full recline captain seats must be ordered as a "special order" to have the limit switch sensor actuator hardware mounted on the right side.



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 8/31/02

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). Recline release levers are standard on the right side. Semi recline left side release levers can be ordered as a special with a new captain seat. All full recline captain seats must be ordered as a "special order" to have the limit switch sensor actuator hardware mounted on the right side.

Backrest/Headrest Extensions and Captain Seat Assemblies

Item Number	Description	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" Wide - Semi Recline with Backrest	1109254-NLA	1109242	1109248-NLA
3	18" Wide - Full Recline with Backrest	1109257-NLA	1109245-NLA	1109251-NLA

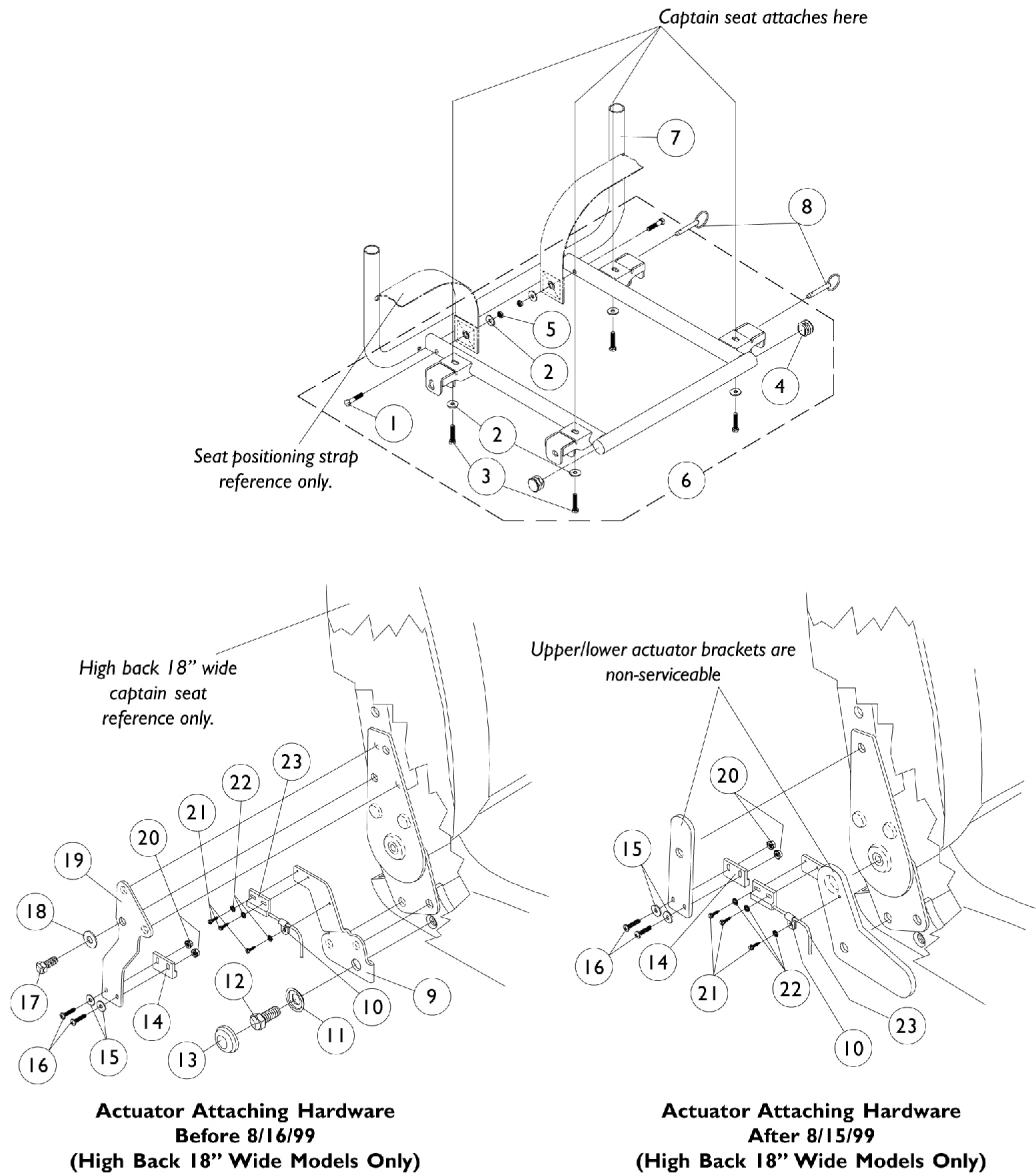
NOTE: When converting from a semi recline to a full recline captain seat, a limit switch sensor harness part # 1074983 must be ordered as well. See page titled "Captain Seat Frame and Actuator Hardware."

NOTE: Actuator mounting hardware is not included with captain seat, see page titled, "Captain Seat Frame and Actuator Hardware."

NOTE: New seat mounting screws #1025713 in (4) are required when converting a captain seat available before 9/1/02 to a captain seat available after 8/31/02.

Captain Seat Frame and Actuator Hardware - Before 9/1/02

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

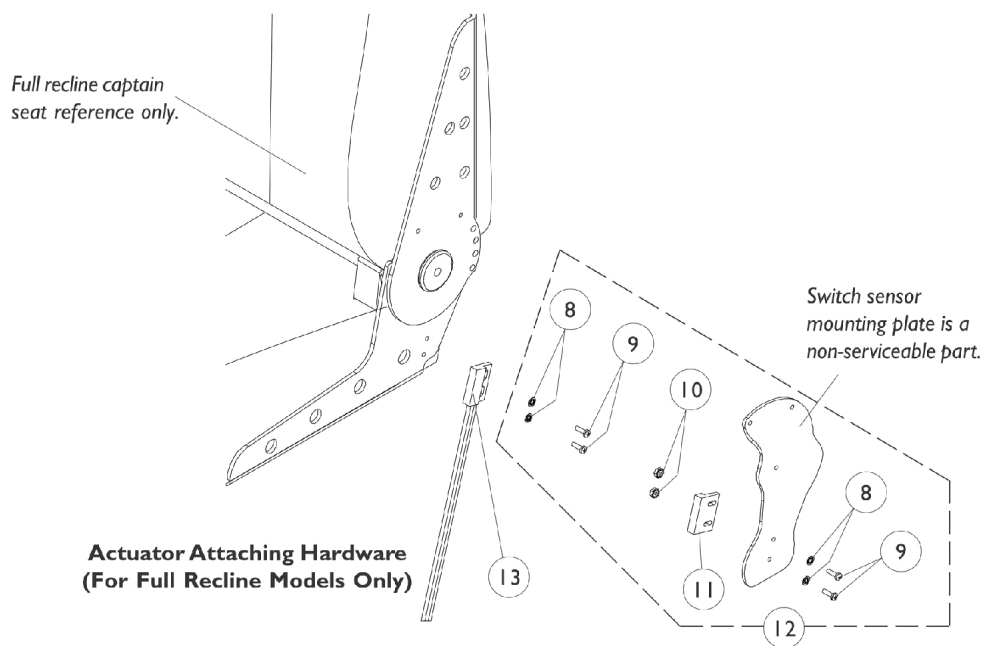
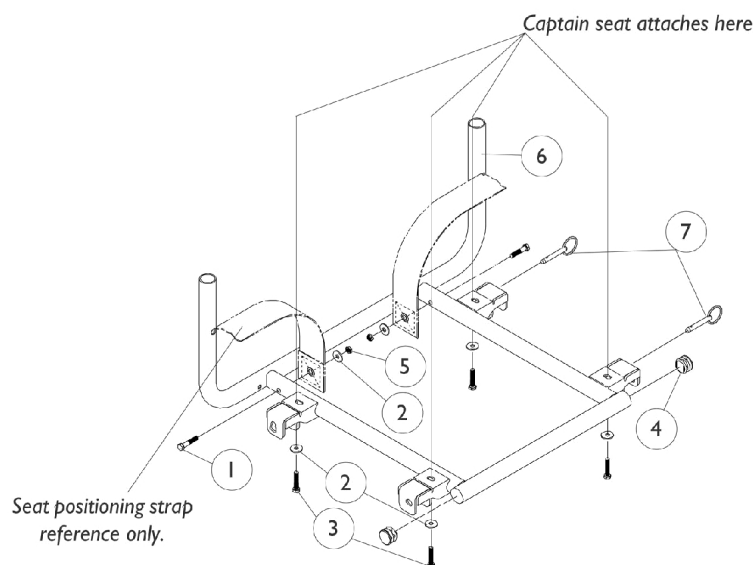


Captain Seat Frame and Actuator Hardware - Before 9/1/02

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		1037610	Screw, Hex Head (1/4-20 x 1-5/8")	1	2
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,D	1045267	Screw, Hex Head w/ Patch (1/4-20 x 3/4")	1	4
4		1029501	Plug Button, Black (1")	1	2
5		7930333	Locknut (1/4-20)	25	1
6	C,E	1074115-NLA	NLA - Hardware, Seat Mounting, Extended Backs (18" W)	1	1
6	A,D	1079207-NLA	NLA - Hardware, Seat Mounting, Extended Backs and Forward Folding Seat (18" W)	1	1
7		1070751-NLA	NLA - Frame, Seat, Color	1	1
8		1071602-NLA	NLA - Pin, Anchor (Captain Seat)	1	4
9		1076392-NLA	NLA - Bracket, Lower Limit Switch Sensor, Black	1	1
10		1098624-NLA	NLA - Clamp, Cable	1	1
11		1016289	Washer, Caplugs (15/32" I.D. x 1-3/32" O.D.)	1	1
12		1076568-NLA	NLA - Screw, Hex Head (7/16-20 x 1")	1	1
13		1016291	Cap, Hub, Black	1	1
14		1024001	Sensor, Actuator Switch	1	1
15		16348X007	Rivet Washer (1/8 x 3/8 x 1/16")	1	2
16		1074128	Screw, Phillips Pan Head (#4-40 x 7/16")	1	2
17		7930322-NLA	NLA - Package, Screw, Hex Head (M8 x 1.25 x 20mm)	25	1
18		7930358-NLA	NLA - Washer, Steel (5/16 x 3/4 x 1/16")	25	1
19		1076394	Bracket, Upper Limit Sensor Switch	1	1
20		P0870X000	Nut, Hex Keps (#4-40)	1	2
21		1025116-NLA	NLA - Screw, Slotted Hex Washer Head Tap (#4-3/8")	1	3
22		1008525-NLA	NLA - Washer, Internal Tooth Lock (#4-40)	1	3
23	B	1074983-NLA	NLA - Cable, Limit Switch Sensor	1	1
NOTE: A - All vinyl extended back seats will use hardware noted for extended back models after 3/24/98. B - Item number 23 is not included with a high back seat assembly. C - Extended backs before 3/25/98 and All High Backs 18" Wide. D - Extended backs after 3/24/98 and Forward Folding Seat 18" Wide. E - Includes items 1-5.					

Captain Seat Frame and Actuator Hardware - After 8/31/02

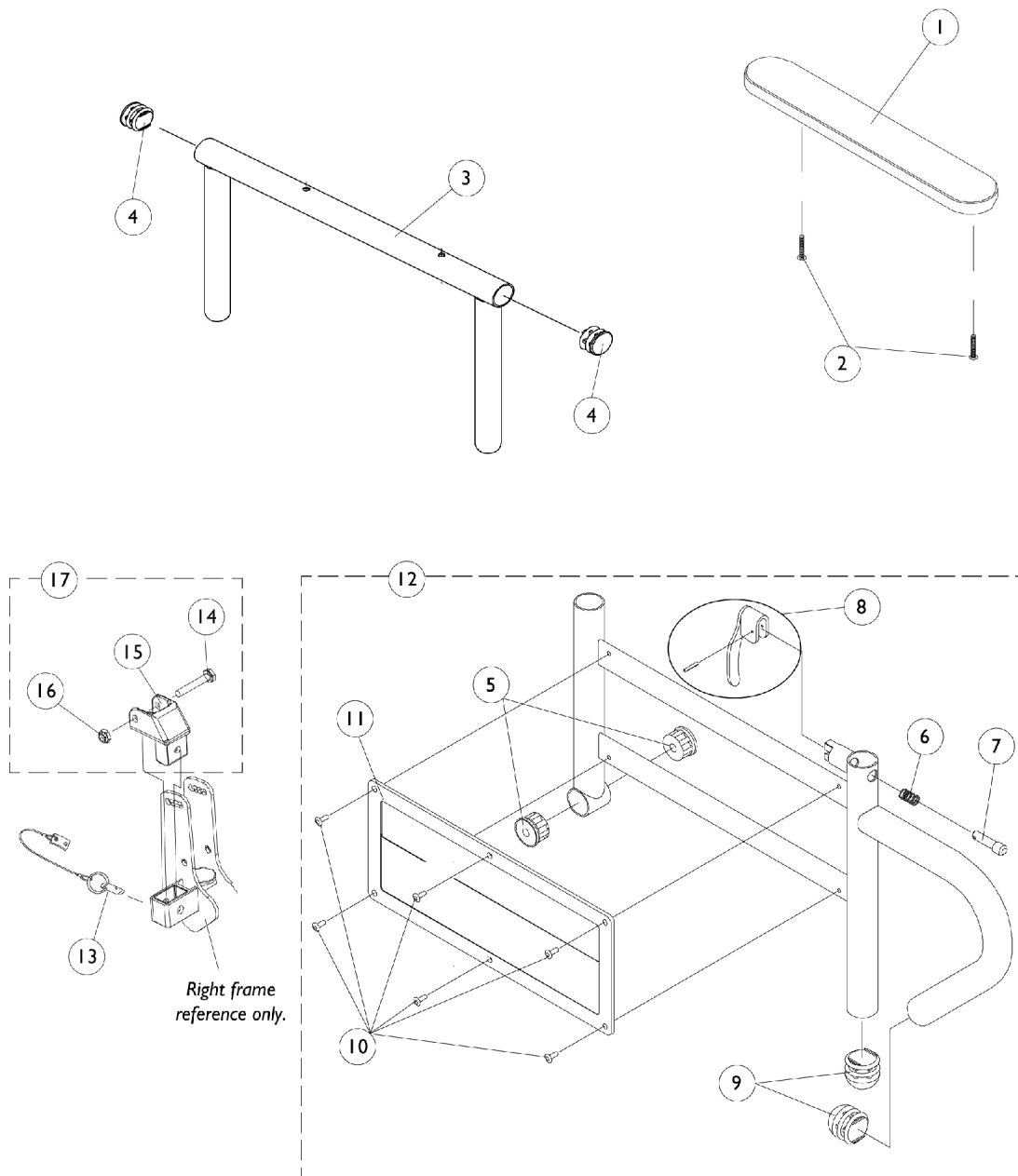


Captain Seat Frame and Actuator Hardware - After 8/31/02

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1037610	Screw, Hex Head (1/4-20 x 1-5/8")	1	2
2		1026900	Washer (1/4 x 23/32 x 1/16")	1	6
3		1025713-NLA	NLA - Screw, Hex Head (1/4-20 x 1")	1	4
4		1029501	Plug Button, Black (1")	1	2
5		7930333	Locknut (1/4-20)	25	1
6		1070751-NLA	NLA - Frame, Seat, Color	1	1
7		1071602-NLA	NLA - Pin, Anchor (Captain Seat)	1	4
8		1008525-NLA	NLA - Washer, Internal Tooth Lock (#4-40)	1	4
9		7930339-NLA	NLA - Package, Screw, Phillips Pan Head (#4-40 x 3/8")	25	4
10		P0870X000	Nut, Hex Keps (#4-40)	1	2
11		1024001	Sensor, Actuator Switch	1	1
12	A,B	1107242-NLA	NLA - Hardware, Actuator Switch Sensor Mounting	1	1
13	B	1074983-NLA	NLA - Cable, Limit Switch Sensor	1	1

NOTE: A - Includes items 8-11.
 B - Item 12 and 13 is not included with a full recline captain seat assembly.

Arms, Adjustable Height Removable Sling Seat Only



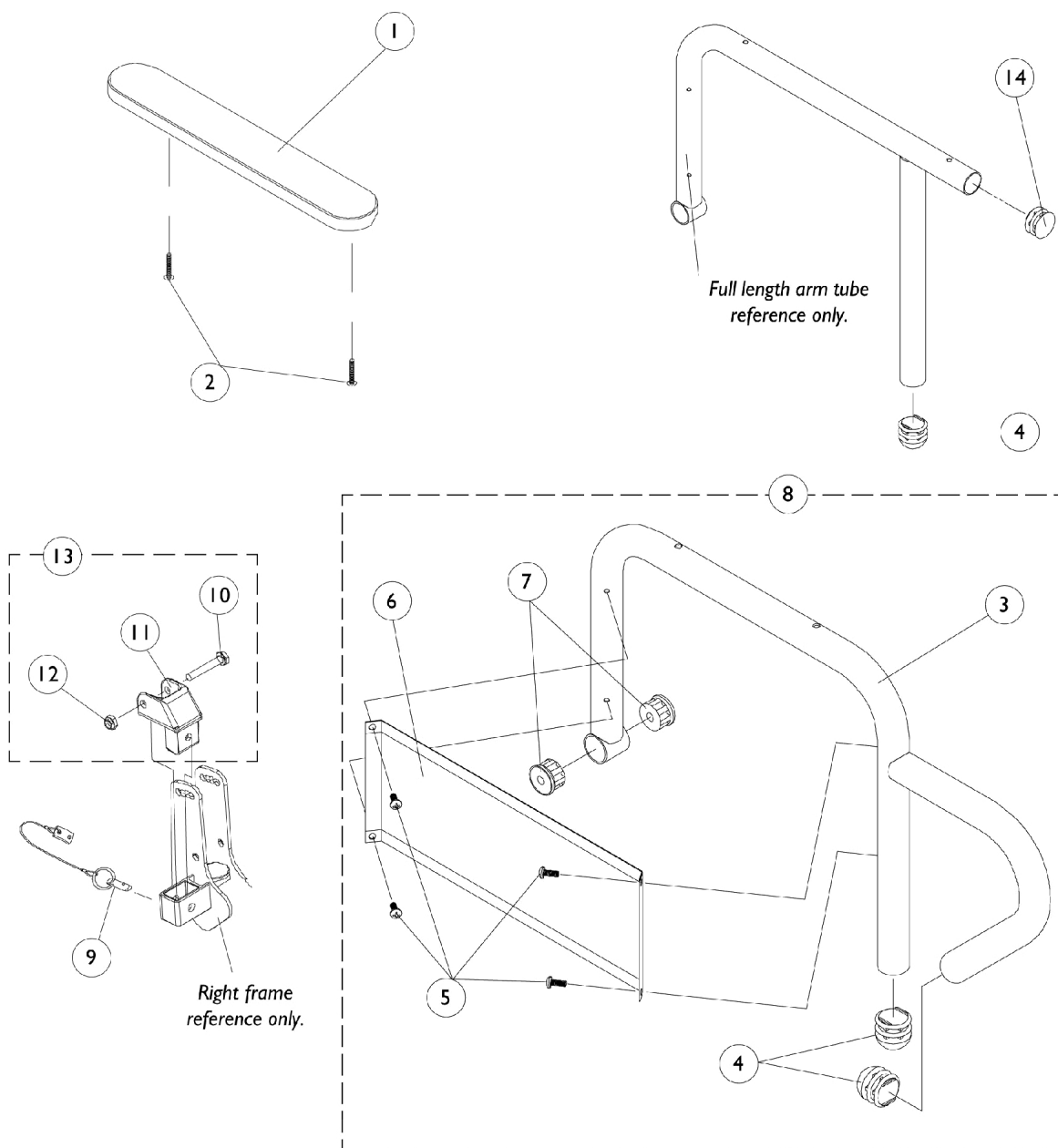
Arms, Adjustable Height Removable Sling Seat Only

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	C,F	1117328	Kit, Arm Pad w/ Screws, Full Length, Urethane Waterfall, Black (13" L x 2-5/8" W)	1	1
1		1110818	Kit, Arm Pad w/ Screws, Full Length, Urethane Waterfall, Black (13" L x 2-5/8" W) (Pair)	2	1
1	A	8881011811-NL A	NLA - Pad, Arm, Vinyl, Desk Length (9" L x 2" W)	1	1
1	C,F	1117327	Kit, Arm Pad w/ Screws, Desk Length, Urethane Waterfall, Black (9" L x 2-5/8" W)	1	1
1		1110817	Kit, Arm Pad w/ Screws, Desk Length, Urethane Waterfall, Black (9" L x 2-5/8" W) (Pair)	2	1
2		1055949	Package, Screw, Phillips Pan Head (#10-32 x 1-3/8")	2	1
2	D	1094270-NLA	NLA - Package, Screw, Phillips Pan Head (#10-32 x 1-1/4")	2	1
3		1071253	Arm Tube Assembly w/ Plug Buttons, Full Length, Black - Right/Left	1	1
3		1070859	Arm Tube Assembly w/ Plug Buttons, Desk Length, Black - Right/Left	1	1
4		1027095	Plug Button, Black (7/8")	1	2
5		1065936	Plug, Pivot	1	2
6		47471X074	Spring, Arm Lock	1	1
7		1028594	Pin, Arm Lock, Black	1	1
8		1090768	Kit, Lock Handle w/Rivets (Pair)	2	1
9		1067734	Plug Button, Black (5/8")	1	2
10		1028645	Rivet	1	6
11		1064130-NLA	NLA - Guard, Clothing	1	1
12	B	8881071554-NL A	NLA - Arm Base, Adjustable Height, Color - Right	1	1
12	B	8881071555-NL A	NLA - Arm Base, Adjustable Height, Color - Left	1	1
13		1068039	Pin, Pull	1	1
14		1019590	Screw, Socket Button Head (1/4-20 x 1-5/8")	1	1
15		1068025	Clevis, Pivot	1	1
16		7930323-NLA	NLA - Package, Locknut (1/4-20)	25	1
17	E	1090277-NLA	NLA - Hardware, Mounting, Swingaway Armrest	1	1

Arms, Adjustable Height Removable Sling Seat Only

NOTE: A - Specify upholstery color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery."
B - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery."
C - As of 1/3/02, upholstered waterfall arm pads were replaced with black urethane waterfall arm pads. Order in pairs with screws for chairs manufactured before 1/3/02.
D - For Black Urethane Waterfall Arm pads only.
E - Includes items 14-16.
F - After 7/9/07 Invacare recommends ordering arm pads in pairs to assure uniform appearance on chair

Arms, Fixed Height Removable Sling Seat Only



Arms, Fixed Height Removable Sling Seat Only

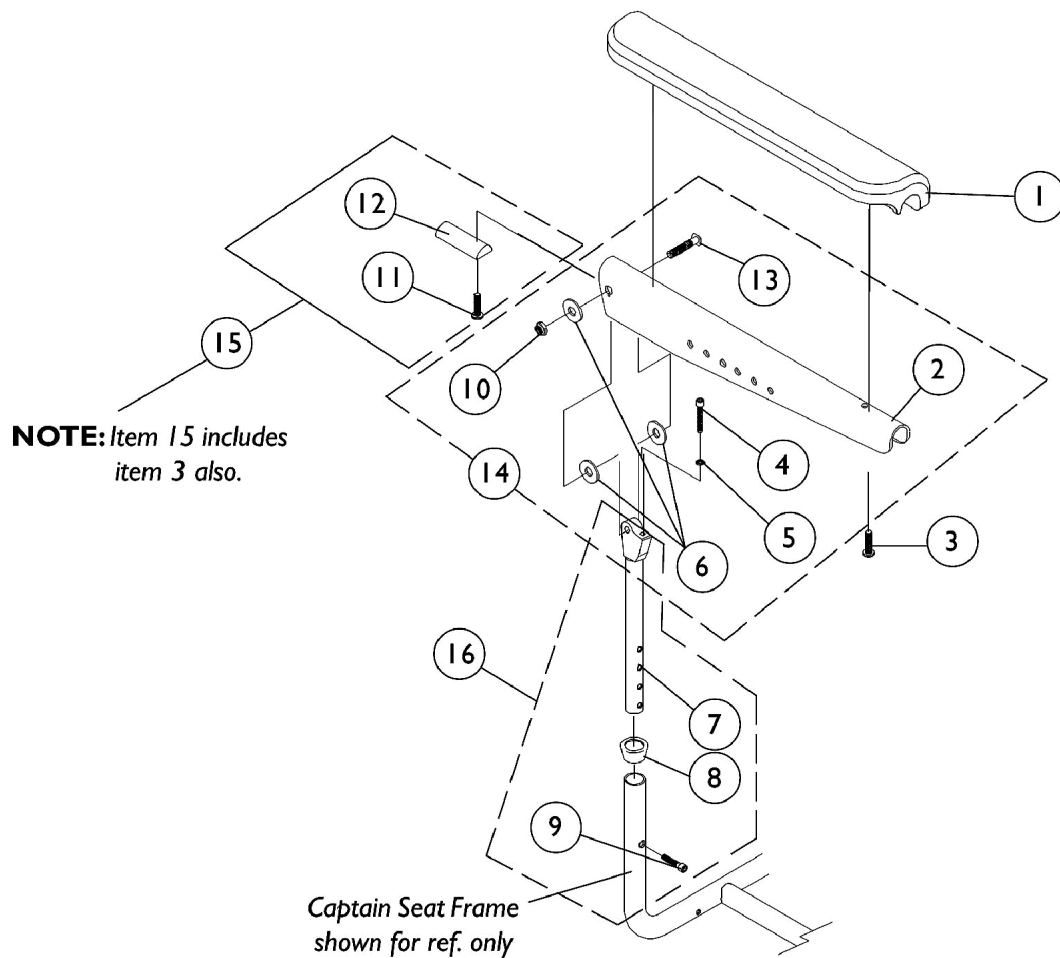
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	8881015932-NL A	NLA - Pad, Arm, Vinyl, Full Length - Right (14" L x 2" W)	1	1
1	A	8881015933-NL A	NLA - Pad, Arm, Vinyl, Full Length - Left (14" L x 2" W)	1	1
1	C,F	1117328	Kit, Arm Pad w/ Screws, Full Length, Urethane Waterfall, Black (13" L x 2-5/8" W)	1	1
1		1110818	Kit, Arm Pad w/ Screws, Full Length, Urethane Waterfall, Black (13" L x 2-5/8" W) (Pair)	2	1
1	A	8881011811-NL A	NLA - Pad, Arm, Vinyl, Desk Length (9" L x 2" W)	1	1
1	C,F	1117327	Kit, Arm Pad w/ Screws, Desk Length, Urethane Waterfall, Black (9" L x 2-5/8" W)	1	1
1		1110817	Kit, Arm Pad w/ Screws, Desk Length, Urethane Waterfall, Black (9" L x 2-5/8" W) (Pair)	2	1
2		1055949	Package, Screw, Phillips Pan Head (#10-32 x 1-3/8")	2	1
2	D	1094270-NLA	NLA - Package, Screw, Phillips Pan Head (#10-32 x 1-1/4")	2	1
3	B	8881071517-NL A	NLA - Tube, Arm, Full Length, Color - Right	1	1
3	B	8881071518-NL A	NLA - Tube, Arm, Full Length, Color - Left	1	1
3	B	8881071519-NL A	NLA - Tube, Arm, Desk Length, Color - Right	1	1
3	B	8881071520-NL A	NLA - Tube, Arm, Desk Length, Color - Left	1	1
4		1067734	Plug Button, Black (5/8")	1	2
5		1025729	Screw, Phillips Pan Head Tap (#8-32 x 3/8")	1	4
6		1035472-NLA	NLA - Guard, Clothing, Desk Length	1	1
7		1065936	Plug, Pivot	1	2
8	B	8881071550-NL A	NLA - Arm Assembly, Full Length, Color - Right	1	1
8	B	8881071551-NL A	NLA - Arm Assembly, Full Length, Color - Left	1	1
8	B	8881071552-NL A	NLA - Arm Assembly, Desk Length, Color - Right	1	1
8	B	8881071553-NL A	NLA - Arm Assembly, Desk Length, Color - Left	1	1
9		1068039	Pin, Pull	1	1
10		1019590	Screw, Socket Button Head (1/4-20 x 1-5/8")	1	1
11		1068025	Clevis, Pivot	1	1
12		7930323-NLA	NLA - Package, Locknut (1/4-20)	25	1
13	E	1090277-NLA	NLA - Hardware, Mounting, Swingaway Armrest	1	1
14		1027095	Plug Button, Black (7/8")	1	1

Arms, Fixed Height Removable Sling Seat Only

NOTE: A - Specify upholstery color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."
B - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."
C - As of 1/3/02 upholstered waterfall armpads were replaced with black urethane waterfall armpads. Order in pairs with screws for chairs manufactured before 1/3/02.
D - For Black Urethane Waterfall Arm Pads only.
E - Includes items 10, 11 and 12.
F - After 7/9/07 Invacare recommends ordering armpads in pairs to assure uniform appearance on chair

Captain Seat Arms and Hardware

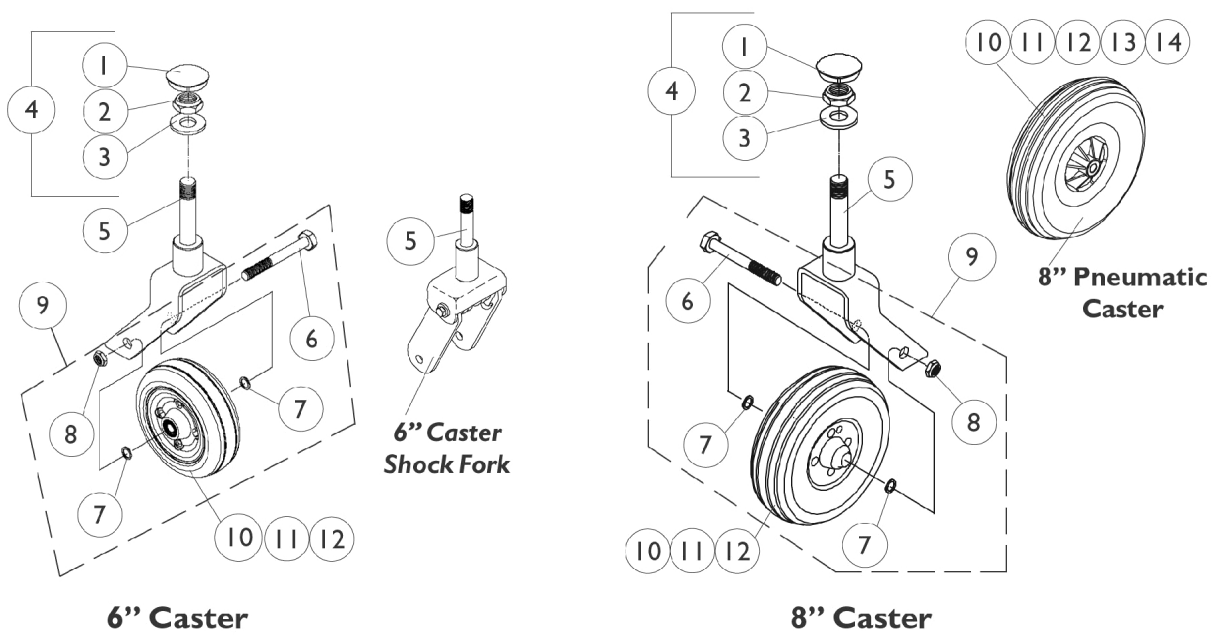
18" Wide Models



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	1
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, and 13. C - Includes items 3, 11, and 12. D - Includes 7, 8, and 9.					

Rear Casters and Hardware



Rear Casters and Hardware

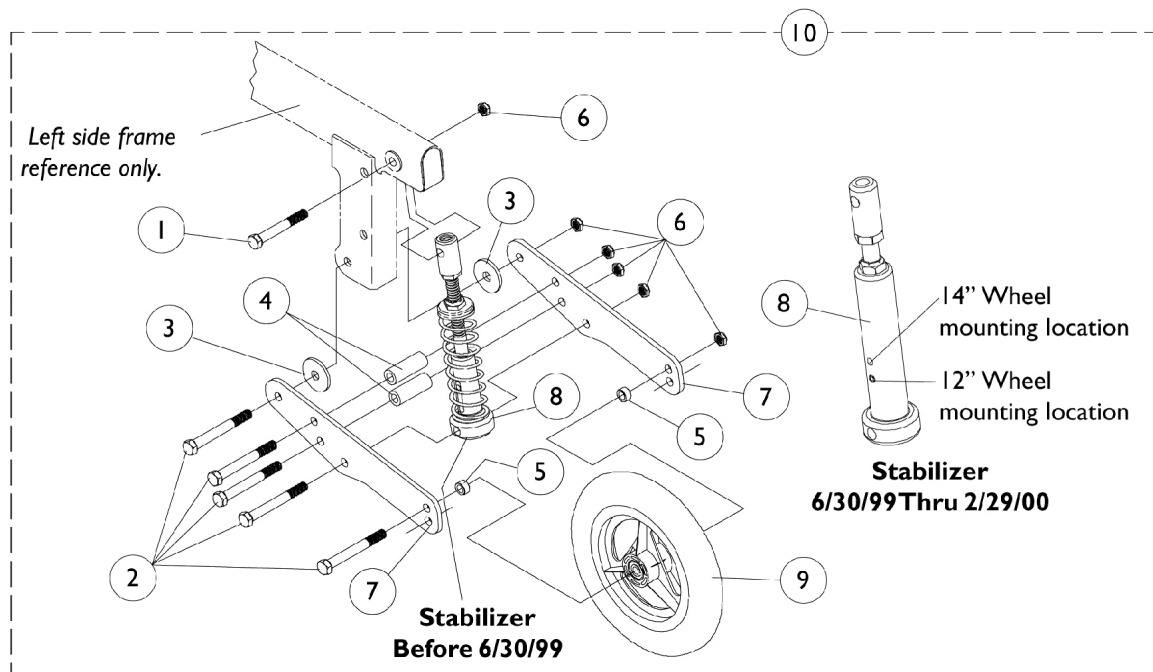
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1056739	Plug Button, Head Tube, Black	1	1
2		1028550	Locknut (5/8-18)	1	1
3		1041444	Washer, Nylon (5/8 x 1-5/16 x 1/8")	1	1
4	F	1057949	Hardware, Fork Stem	1	1
5	A	8881071460-NL A	NLA - Fork and Stem (6" Caster)	1	1
5	A	8881071600-NL A	NLA - Fork, Caster, Shock (6")	1	1
5	A,B	8881058562-NL A	NLA - Fork, Caster, Standard (8")	1	1
5	A,C	8881081119-NL A	NLA - Fork, Caster, Standard (8")	1	1
6	G	1025726	Screw, Hex Head (7/16-20 x 3-1/4")	1	1
6	H	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	1
8		7930331-NLA	NLA - Locknut (7/16-20")	25	1
9	E,G	1042489	Hardware, Caster Axle	1	2
9	E,H	1058890-NLA	NLA - Hardware, Caster, Shock Fork (Pair)	2	1
10	I	1072014-NLA	NLA - Wheel Assembly, Semi-Pneumatic, Urethane (6" x 2")	1	1
10	J	1115179	Wheel Assembly, Semi-Pneumatic, Urethane, Deep Profile, Grey Tire/Black Hub (6" x 2")	1	1
10	J	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
	D	40176X010-NLA	NLA - Pump, Tire	1	1

NOTE: A - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."
 B - Order caster forks in pairs for chairs manufactured before 7/1/98.
 C - This fork must be used with chair serial numbers 98F39748 through 98F39877 only.
 D - Not Shown.
 E - Includes items 6, 7 and 8 to accommodate 1 side only
 F - Includes items 1, 2 and 3.
 G - Standard Forks 6" & 8".
 H - Shock Fork 6".
 I - 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.
 J - Service part after 8/14/03

Front Stabilizer Assembly

Before 3/1/2000

NOTE: "New Style" front stabilizer can be assembled to chairs made before 3/1/2000. See conversion kit before 3/1/2000 on Front Stabilizer with Adjustable Flip-Up Footboard Conversion Kits page.



Front Stabilizer Assembly

Before 3/1/2000

NOTE: "New Style" front stabilizer can be assembled to chairs made before 3/1/2000. See conversion kit before 3/1/2000 on Front Stabilizer with Adjustable Flip-Up Footboard Conversion Kits page.

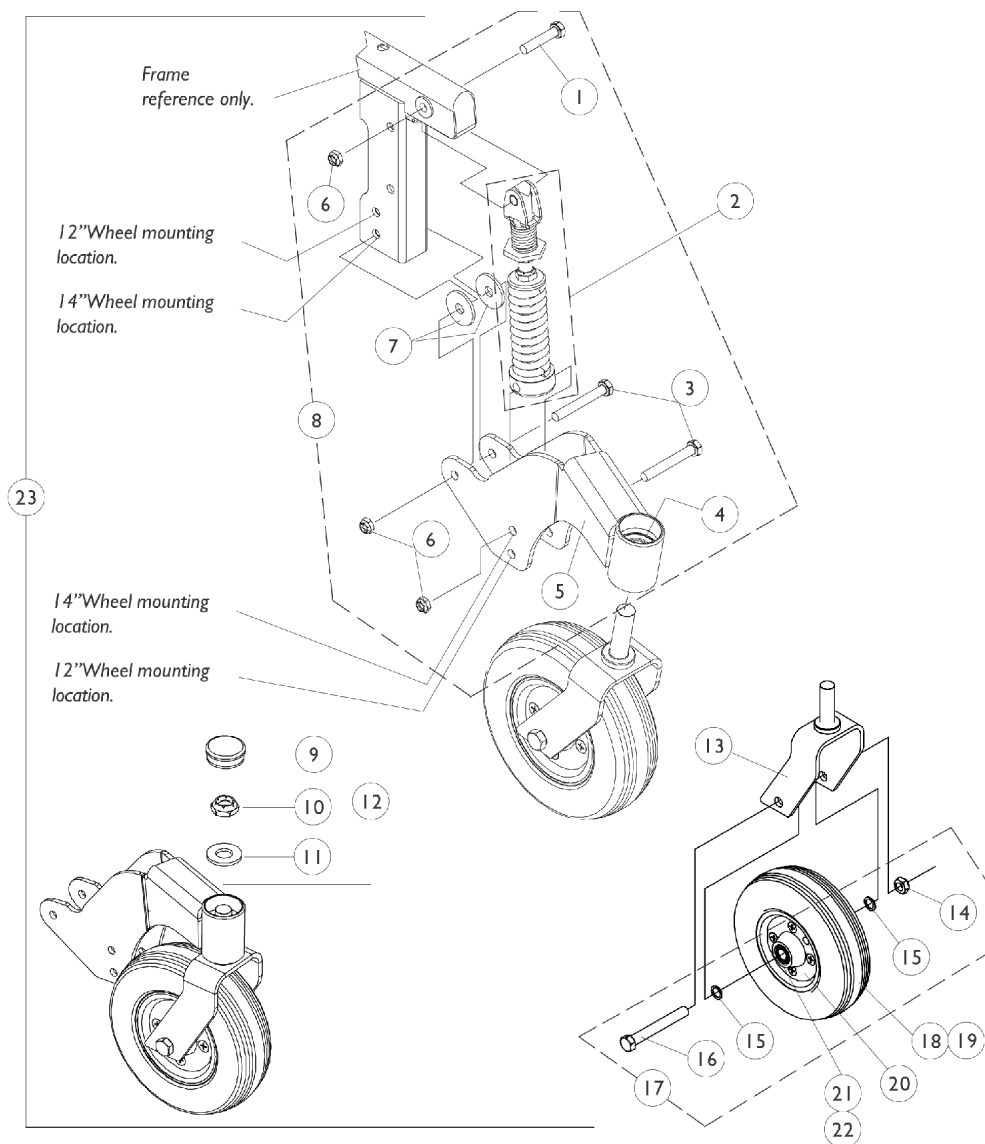
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1028514	Screw, Hex Head (5/16-24 x 1-1/2")	1	1
2		1025764	Screw, Hex Head (5/16-24 x 2-1/4")	1	5
3		1071487-NLA	NLA - Washer, Nylon (23/64 x 1-15/64 x 7/64")	1	2
4		1071506-NLA	NLA - Spacer (5/16 x 9/16 x 1-33/64)	1	2
5		1026102	Spacer (5/16 x 15/32 x 1/4")	1	2
6		7930330-NLA	NLA - Locknut (5/16-24)	25	1
7		1071507-NLA	NLA - Plate, Suspension Arm, Black	1	2
8	G	1071528-NLA	NLA - Stabilizer Assembly	1	1
8	F	1090135-NLA	NLA - Stabilizer Assembly (12-1/2" Wheel)	1	1
9	C	1090396-NLA	NLA - Wheel, Urethane (6")	1	1
10	A,D	1071549-NLA	NLA - Hardware, Stabilizer Attaching	1	1
10	A,B,E	1074116-NLA	NLA - Hardware, Stabilizer Attaching, One Piece Footboard	1	1
NOTE: A - Item number 8 and 9 not included. B - Attaching hardware comes packaged with (5) locknuts, #7930330, used for one piece footboards. C - Wheel color changed from dark grey to light grey as of 7/28/99. Order in pairs to match for chairs manufactured before 7/28/99. D - Includes items 1-7. E - Includes items 2-7. F - 6/30/99 thru 2/29/00. G - Before 6/30/99.					

Front Stabilizer Assembly

After 2/29/2000

NOTE: When converting front stabilizer assemblies made before 3/1/2000, consider the following:

- 1) When a chair was ordered with an adjustable flip-up footboard before 3/1/2000, the stabilizer and footboard assemblies must be converted. See Front Stabilizer with Adjustable Flip-Up Footboard Conversion Kits page.
- 2) When a chair was ordered with a 14" wheel option before 3/1/2000, new side frames will be needed to accommodate the stabilizers 14" wheel positioning location.



Front Stabilizer Assembly

After 2/29/2000

NOTE: When converting front stabilizer assemblies made before 3/1/2000, consider the following:

1) When a chair was ordered with an adjustable flip-up footboard before 3/1/2000, the stabilizer and footboard assemblies must be converted. See Front Stabilizer with Adjustable Flip-Up Footboard Conversion Kits page.

2) When a chair was ordered with a 14" wheel option before 3/1/2000, new side frames will be needed to accommodate the stabilizers 14" wheel positioning location.

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	1
7		1071487-NLA	NLA - Washer, Nylon (23/64 x 1-15/64 x 7/64")	1	2
8	A,D	1094621-NLA	NLA - Stabilizer Assembly - Right	1	1
8	A,D	1094622-NLA	NLA - Stabilizer Assembly - Left	1	1
8	A,E	1094624-NLA	NLA - Stabilizer Assembly, One Piece Footboard - Right	1	1
8	A,E	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	G	1057949	Hardware, Fork Stem	1	1
13		1094607-NLA	NLA - Fork Assembly (7")	1	1
14		7930331-NLA	NLA - Locknut (7/16-20")	25	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")	1	1
17	F	1042489	Hardware, Caster Axle	1	2
18	H	1094620-NLA	NLA - Wheel Assembly (7" x 2")	1	1
19		1094618	Tire, Urethane, Grey (7" x 2")	1	1
20		1062845-NLA	NLA - Kit, Rim w/ Hardware (Pair)	1	1
21		1006057	Spacer, Bearing (7/16 x 5/8 x 1-3/4")	1	1
22		1006049	Bearing (7/16")	1	2
23	B	1095097-NLA	NLA - Kit, Front Stabilizer Assembly	1	1
	C,I	1095096-NLA	NLA - Instruction Sheet, Front Stabilizer Assembly Kit	1	1

Front Stabilizer Assembly

After 2/29/2000

NOTE: When converting front stabilizer assemblies made before 3/1/2000, consider the following:

1) When a chair was ordered with an adjustable flip-up footboard before 3/1/2000, the stabilizer and footboard assemblies must be converted. See Front Stabilizer with Adjustable Flip-Up Footboard Conversion Kits page.

2) When a chair was ordered with a 14" wheel option before 3/1/2000, new side frames will be needed to accommodate the stabilizers 14" wheel positioning location.

NOTE:	A - Item number 2 not included.
	B - Kit Includes items 2, 8, 12, 13, 17-22 and Instruction sheet for the right and left side of the wheelchair.
	C - Not Shown.
	D - Includes items 1 and 3-7.
	E - Includes items 3-7.
	F - Includes items 14-16 to accommodate 1 side only.
	G - Includes items 9-11.
	H - Includes items 19-22.
	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.

Front Stabilizer with Adjustable Flip-Up Footboard Conversion Kits For Chairs Made Before 3/1/2000

16" Wide Chairs - #1095098

Part Number	Description	Quantity
1095098-NLA	Front Stabilizer with Adj. Flip-Up Footboard Conversion Kit For 16" Wide See Note(s) A	1
1094624-NLA	Stabilizer Assembly, One Piece Footboard, Right	1
1094625-NLA	Stabilizer Assembly, One Piece Footboard, Left	1
1094607-NLA	Fork Assembly (7")	2
1094620-NLA	Wheel with Bearings (7" x 2")	2
1042489	Caster Hardware	1
1057949	Fork Attaching Hardware	2
1094630-NLA	Spring, Dual Column Assembly	2
1095096-NLA See Note(s) B	Instruction Sheet, Front Stabilizer	1
1094628-NLA	Footboard Mounting Hardware (Pair)	1
1094629-NLA	Footboard Hardware (Pair)	1
1097175-NLA	Footboard, Black 16" Wide Chairs	1
1095125-NLA	Instruction Sheet, Footboard Assembly	1
NOTE: A - Includes all items listed below B - 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.		

Front Stabilizer with Adjustable Flip-Up Footboard Conversion Kits For Chairs Made Before 3/1/2000

18" Wide Chairs - #1095099

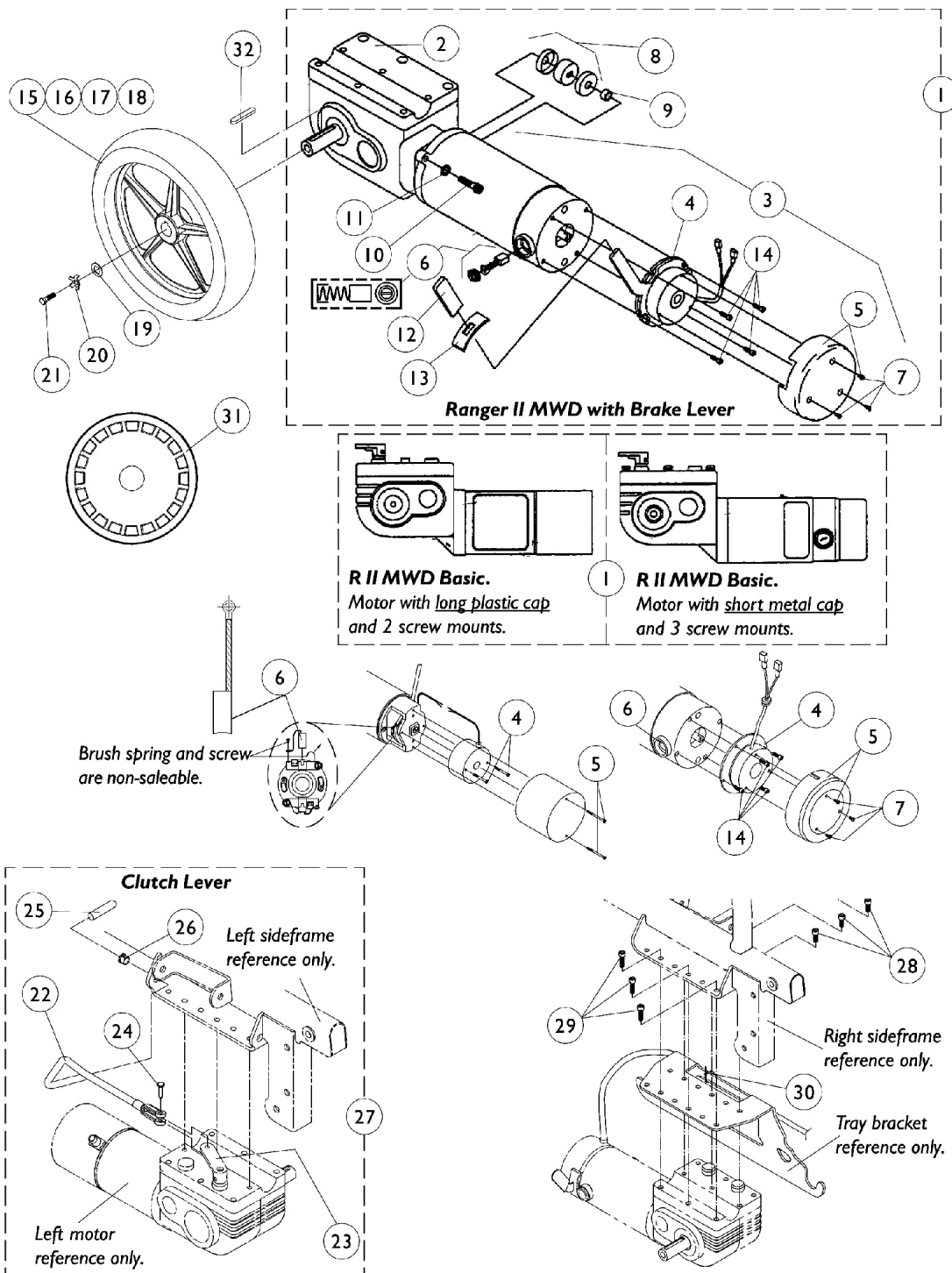
Part Number	Description	Quantity
1095099	Front Stabilizer with Adj. Flip-Up Footboard Conversion Kit For 18" Wide See Note(s) A	1
1094624-NLA	Stabilizer Assembly, One Piece Footboard, Right	1
1094625-NLA	Stabilizer Assembly, One Piece Footboard, Left	1
1094607-NLA	Fork Assembly (7")	2
1094620-NLA	Wheel with Bearings	2
1042489	Caster Hardware	1
1057949	Fork Attaching Hardware	2
1094630-NLA	Spring, Dual Column Assembly	2
1095096-NLA See Note(s) B	Instruction Sheet, Front Stabilizer	1
1094628-NLA	Footboard Mounting Hardware (Pair)	1
1094629-NLA	Footboard Hardware (Pair)	1
1094613-NLA	Footboard, Black 18" Wide Chairs	1
1095125-NLA	Instruction Sheet, Footboard Assembly	1
NOTE: A - Includes all items listed below B - 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.		

Front Stabilizer with Adjustable Flip-Up Footboard Conversion Kits For Chairs Made Before 3/1/2000

20" Wide Chairs - #1095100

Part Number	Description	Quantity
1095100	Front Stabilizer with Adj. Flip-Up Footboard Conversion Kit For 20" Wide See Note(s) A	1
1094624-NLA	Stabilizer Assembly, One Piece Footboard, Right	1
1094625-NLA	Stabilizer Assembly, One Piece Footboard, Left	1
1094607-NLA	Fork Assembly (7")	2
1094620-NLA	wheel with Bearings (7" x 2")	2
1042489	Caster Hardware	1
1057949	Fork Attaching Hardware	2
1094630-NLA	Spring, Dual Column Assembly	2
1095096-NLA See Note(s) B	Instruction Sheet, Front Stabilizer	1
1094628-NLA	Footboard Mounting Hardware (Pair)	1
1094629-NLA	Footboard Hardware (Pair)	1
1094634-NLA	Footboard, Black 20" Wide Chairs	1
1095125-NLA	Instruction Sheet, Footboard Assembly	1
NOTE: A - Includes all items listed below B - 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.		

Motor, 2-Pole, Gearboxes and 12" Drive Wheel



Motor, 2-Pole, Gearboxes and 12" Drive Wheel

Drive Wheel, 2 Pole Motor and Gearboxes - (Items 1-5)

Item Number	Description	Ranger II MWD and W.S.T. w/Brake Lever (Before 3/15/99) - Right	Ranger II MWD and W.S.T. w/Brake Lever (Before 3/15/99) - Left	Ranger II MWD Basic (Long Cap) - Right	Ranger II MWD Basic (Long Cap) - Left	Ranger II MWD Basic (Short Cap) - Right	Ranger II MWD Basic (Short Cap) - Left
1	Motor/ Gearbox	1057907-NLA	1057906-NLA	1071593-NLA	1071594-NLA	1071595-NLA See Note(s) B	1071596-NLA See Note(s) B
2	Gear Box	1056733-NLA	1056732-NLA	N/A	N/A	N/A	N/A
3	Motor Assembly	1070162-NLA	1070161-NLA	N/A	N/A	N/A	N/A
3	WARR RPLMT - Motor Assembly	1070162E-NLA A	1070161E-NLA A	N/A	N/A	N/A	N/A
4	Brake Repair Kit	1056735-NLA	1056734-NLA	1055872-NLA	1055872-NLA	1057827-NLA	1057827-NLA
5	Brake Cover w/Screws	1060996	1056736-NLA	1038361-NLA See Note(s) A	1038361-NLA See Note(s) A	1057826	1057826

NOTE: A - Sold in pairs only

B - No Longer Available. Order the long cap Motor/ Gearbox Assembly part numbers 1071593 and 1071594 in pairs.

NOTE: Light Duty, 250-S models use long cap motors.

NOTE: See page for 4-Pole Motors with brake levers for chairs made after 3/14/99.

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.

Drive Wheel, 2 Pole Motor and Gearboxes - (Items 6-32)

Item Number	Description	Ranger II MWD W.S.T. w/Brake Lever (Before 3/15/99)	Ranger II MWD Basic (Long Cap)	Ranger II MWD Basic (Short)
6	Brush w/Cap (Pair)	1064336-NLA	561-005-NLA See Note(s) H	1044044-NLA
7	Screw, Phillips Pan Head (4-40 x 1/4")	1050305-NLA	N/A	1050305-NLA
8	NLA - Coupling w/ Cup (1" Diameter)	5165204-NLA See Note(s) F	N/A	N/A
8	NLA - Coupling w/ Cup (1-5/16" Diameter)	50000X007-NLA See Note(s) G	N/A	N/A
9	Spacer (5/16 x 7/16 x 7/32")	50000X341-NLA See Note(s) A	N/A	N/A

Motor, 2-Pole, Gearboxes and 12" Drive Wheel

Drive Wheel, 2 Pole Motor and Gearboxes - (Items 6-32)

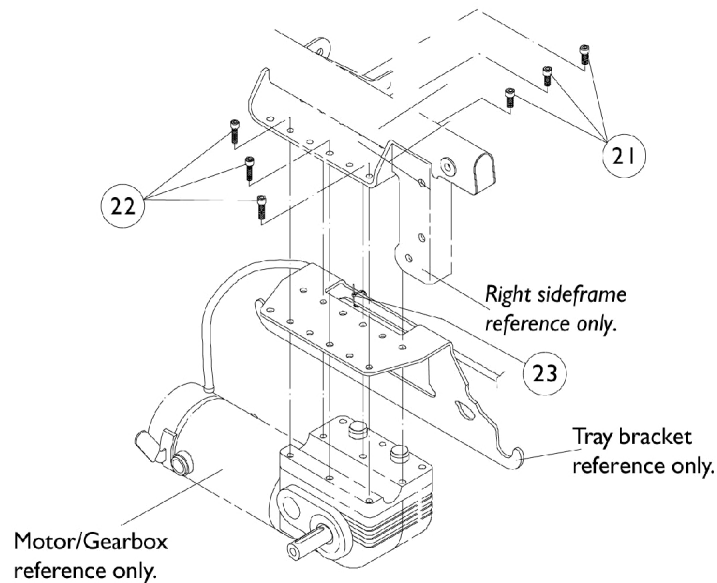
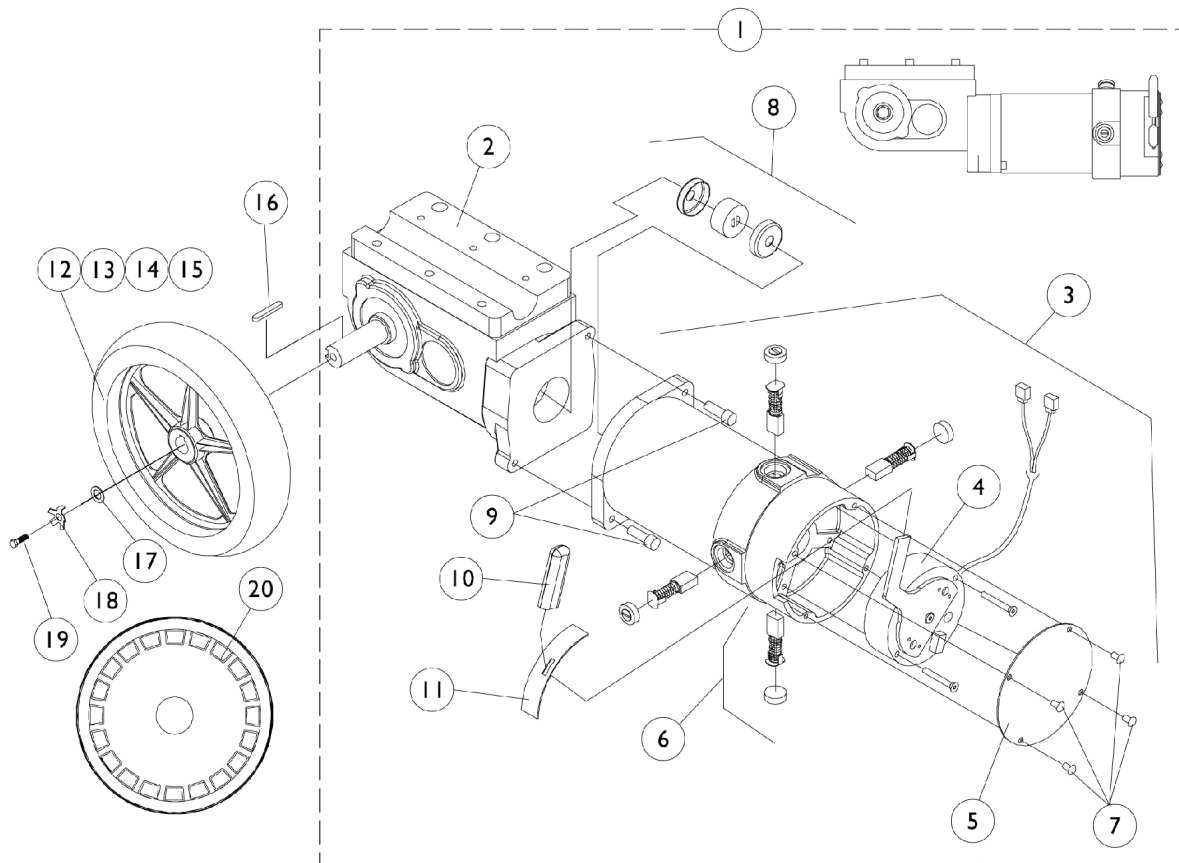
Item Number	Description	Ranger II MWD W.S.T. w/Brake Lever (Before 3/15/99)	Ranger II MWD Basic (Long Cap)	Ranger II MWD Basic (Short)
10	Screw, Socket Head (1/4-20 x 1-1/8")	1043594	N/A	N/A
11	Lockwasher	10502X001-NLA	N/A	N/A
12	Tip, Protective	1006490	N/A	N/A
13	Slotted Plate	1057972-NLA	N/A	N/A
14	Screw (8-32 x 1/2")	1008498-NLA	N/A	N/A
15	Drive Wheel w/Foam Fill (12-1/2")	1064177 See Note(s) B	1064177 See Note(s) B	1064177 See Note(s) B
15	Drive Wheel Pneumatic (12-1/2")	1064178-NLA See Note(s) B	1064178-NLA See Note(s) B	1064178-NLA See Note(s) B
16	Tire (12-1/2" x 2-1/4")	1011524	1011524	1011524
17	Flat Free Insert	1073936-NLA See Note(s) C	1073936-NLA See Note(s) C	1073936-NLA See Note(s) C
18	Tube (12-1/2" x 2-1/4")	1011525	1011525	1011525
19	Washer (11/32 x 13/16 x 1/8")	1023262-NLA	1023262-NLA	1023262-NLA
20	Washer Locking Tab (Pair)	1064179	1064179	1064179
21	Screw (Pkg) (M8 x 1-1/4 x 20MM)	7930322-NLA	7930322-NLA	7930322-NLA
22	Clutch Lever -Right	N/A	1098712-NLA See Note(s) E	1098712-NLA See Note(s) E
22	Clutch Lever -Left	N/A	1098713-NLA See Note(s) E	1098713-NLA See Note(s) E
23	Bracket, Clutch Lever	N/A	1071567-NLA	1071567-NLA
24	Pin, Clevis	N/A	1071568	1071568
25	Tip, Protective	N/A	1040060	1040060
26	Bushing, Snap	N/A	1071562-NLA	1071562-NLA
27	Clutch Lever Assembly -Right	N/A	1074114-NLA	1074114-NLA
27	Clutch Lever Assembly -Left	N/A	1074135-NLA	1074135-NLA
28	Screw, Socket Head (M6 x 20MM)	1071505	1071505 See Note(s) D	1071505 See Note(s) D

Motor, 2-Pole, Gearboxes and 12" Drive Wheel

Drive Wheel, 2 Pole Motor and Gearboxes - (Items 6-32)

Item Number	Description	Ranger II MWD W.S.T. w/Brake Lever (Before 3/15/99)	Ranger II MWD Basic (Long Cap)	Ranger II MWD Basic (Short)
29	Screw, Socket Head (M6 x 35MM)	1071504-NLA See Note(s) D	1071504-NLA	1071504-NLA
30	Cable Tie (5-5/8" Long)	1021260	1021260	1021260
31	Shroud Cover, Black Drive Wheel	1074974-NLA	1074974-NLA	1074974-NLA
32	Key	1023264	1023264	1023264
NOTE: A - Spacer not needed after 6/30/98 B - Drive Wheel comes with a locking tab and instruction sheet C - As of 10/20/99 the "Solid" Flat Free Insert was replaced with a "Foam Fill" process. When a Flat Free Insert is requested, a complete wheel must be ordered D - Weight Shifting Tilt takes a quantity of 2 per side for item 29 E - Short end of clutch lever was lengthened from 2" to 2-3/4" long as of 12/11/00. Replace in pairs for chairs made before 12/11/00 F - Coupling with Cup for chairs manufactured before 11/12/01 - Use part # 50000X007 as a direct replacement part. G - 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 H - 561-005 are internal brushes and do not use Caps.				

Motor, 4-Pole, Gearboxes and 12" Drive Wheel



Motor, 4-Pole, Gearboxes and 12" Drive Wheel

Item Number	Description	Ranger II M.W.D. and W.S.T. w/ Brake Lever (After 3/14/99)
1	Motor/ Gearbox (Before 10/29/01) - Right	1085950-NLA See Note(s) G
1	Motor/ Gearbox (Before 10/29/01) - Left	1085949-NLA See Note(s) G
1	Motor/ Gearbox (Before 10/29/01) - Right (Refurbished)	1085950E-NLA See Note(s) J
1	Motor/ Gearbox (Before 10/29/01) - Left (Refurbished)	1085949E-NLA See Note(s) I
1	Motor/ Gearbox (After 10/28/01) - Right	1109168-NLA
1	Motor/ Gearbox (After 10/28/01) - Left	1109167-NLA
2	Gearbox, Right	1086222-NLA See Note(s) F
2	Gearbox, Left	1086221 See Note(s) F
3	Motor Assembly (Before 10/29/01) - Right	1086788-NLA
3	Motor Assembly (Before 10/29/01) - Left	1087218-NLA
3	Motor Assembly (After 10/28/01) - Right	1109229-NLA
3	Motor Assembly (After 10/28/01) - Left	1109228-NLA
4	Brake Repair Kit, Right	1070295-NLA See Note(s) H
4	Brake Repair Kit, Left	1070294-NLA See Note(s) H
5	Brake Cover with Screws (Before 10/29/01)	1070297-NLA
5	Brake Cover with Screws (After 10/28/01)	1104402-NLA
6	Brushes with Caps (Set of 4)	1070296-NLA
7	Screw, Socket Pan Head (8-32 x 1/4")	See Item 5
8	NLA - Coupling w/ Cup (1" Diameter)	5165204-NLA See Note(s) D
8	NLA - Coupling w/ Cup (1-5/16" Diameter)	50000X007-NLA See Note(s) E
9	Screw, SHC (1/4-20 x 1-1/8")	1043594 See Note(s) F
9.	Screw, SHC (M6 x 1 x 20MM)	1108978 See Note(s) F

Motor, 4-Pole, Gearboxes and 12" Drive Wheel

Item Number	Description	Ranger II M.W.D. and W.S.T. w/ Brake Lever (After 3/14/99)
10	Plastic Tip (Before 10/29/01)	1082984-NLA
10	Plastic Tip (After 10/28/01)	1101725
11	Slotted Plate	1082985-NLA
12	Drive Wheel with Foam Fill (12-1/2")	1064177 See Note(s) A
12	Drive Wheel, Pneumatic (12-1/2")	1064178-NLA See Note(s) A
13	Tire (12-1/2" x 2-1/4")	1011524
14	Flat Free Insert	1073936-NLA See Note(s) B
15	Tube (12-1/2" x 2-1/4")	1011525
16	Key	1023264
17	Washer (11/32 x 13/16 x 1/8")	1079247
18	Washer, Locking Tab (Pair)	1064179
19	Screw, Hex Head (M8 x 1-1/4 x 20MM) (Pkg. of 25)	7930322-NLA
20	Shroud Cover Black, Drive Wheel	1074974-NLA
21	Screw, Socket Head (M6 x 20MM)	1071505
22	Screw, Socket Head (M6 x 35MM)	1071504-NLA See Note(s) C
23	Cable Tie (5-5/8" Long)	1021260

Motor, 4-Pole, Gearboxes and 12" Drive Wheel

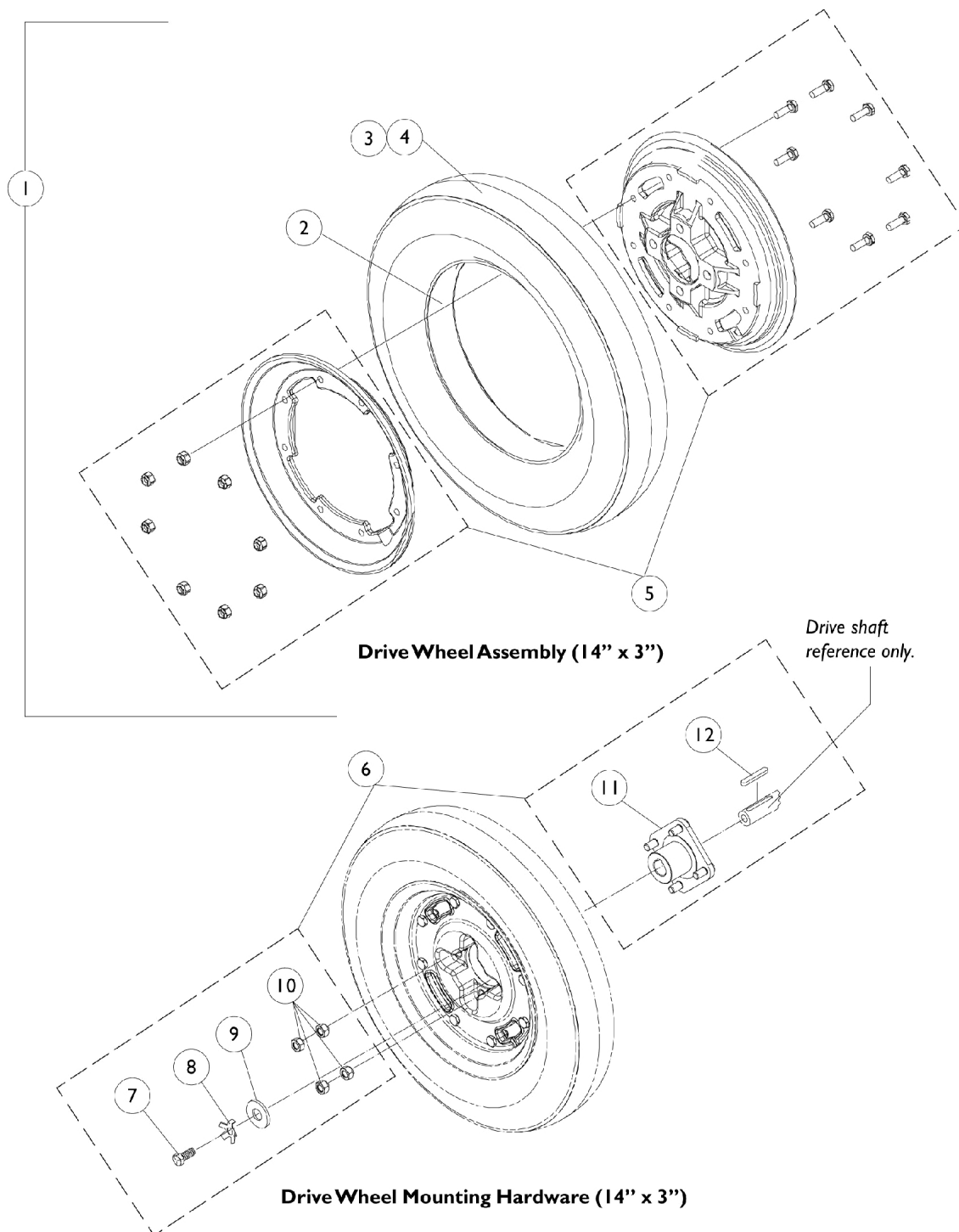
NOTE: A - Drive wheel comes with a locking tab and instruction sheet.
B - As of 10/20/99, the "solid" flat free insert was replaced by a "foam fill" process. When a Flat Free Insert is requested, a complete wheel must be ordered.
C - Weight Shifting Tilt takes only 2 per side for item 22.
D - Coupling with Cup for chairs manufactured before 11/12/01 - Use part # 50000X007 as a direct replacement part.
E - 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
F - 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.
G - 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.
H - Use existing screws when installing the Brake Repair Kit. The Motor Brake Mounting Screws are not saleable.
I - Part is no longer available as a service part. See part number 1085949 as a replacement.
J - Part is no longer available as a service part. See part number 1085950 as a replacement.

NOTE: See page for 2-Pole Motors with brake levers for chairs made before 3/15/99.

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.

Drive Wheel (14" x 3") and Hub Mount

Optional on Chair As Of 10/15/99



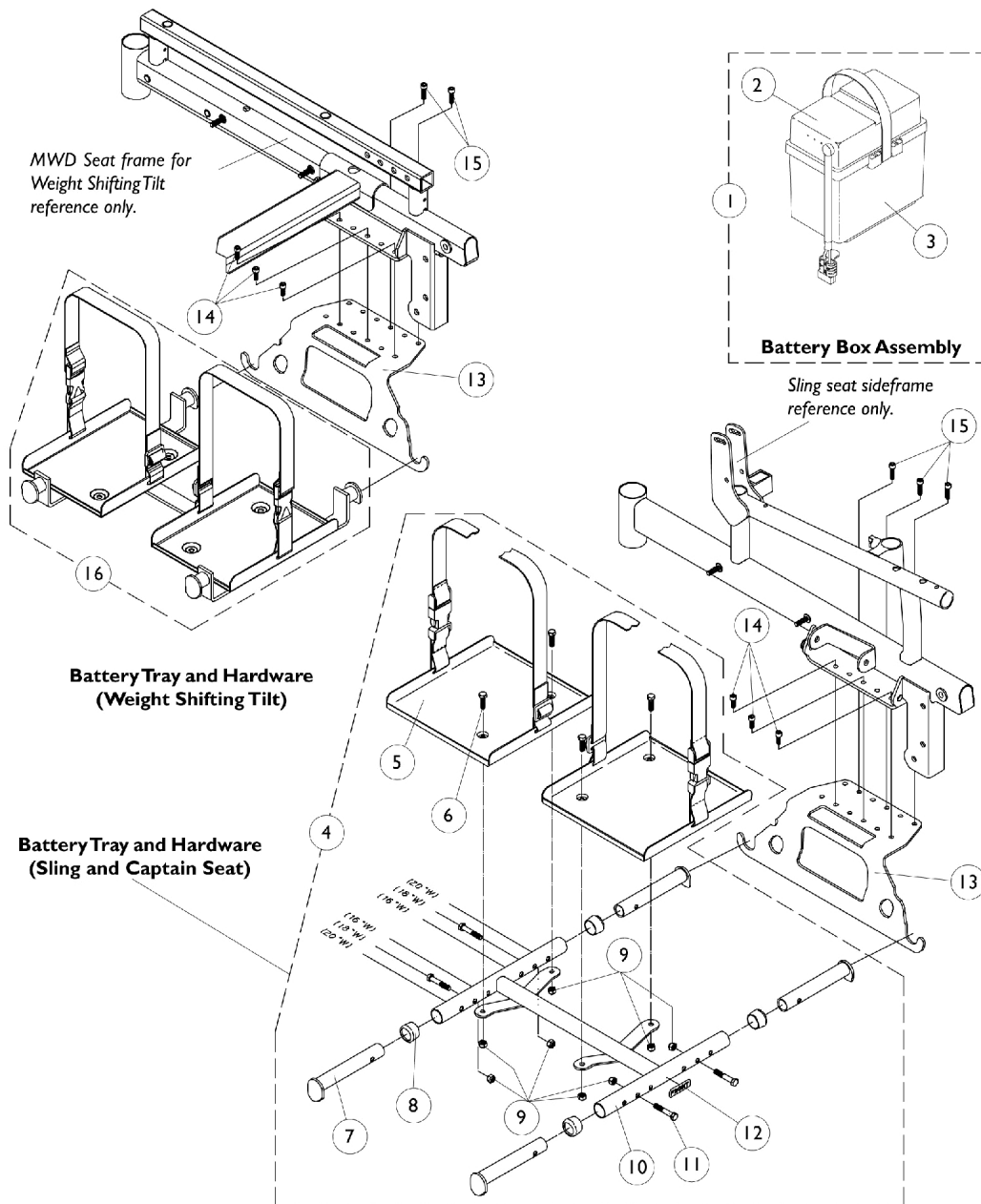
Drive Wheel (14" x 3") and Hub Mount

Optional on Chair As Of 10/15/99

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1090649-NLA	NLA - Pneumatic Wheel Drive Assembly (14" x 3")	1	1
1		1090650-NLA	NLA - Drive Wheel Assembly w/ Flat Free Insert, Grey Tire/Black Rim (14 x 3")	1	1
2		1101754	Tire w/ Foam Fill Insert, Grey (14" x 3")	1	1
3		1039652	Tire, Pneumatic, Grey (14" x 3")	1	1
4		1039651	Tube, Inner, Black (14 x 3")	1	1
5	A	1090651-NLA	NLA - Kit, 8" Rim w/ Hardware (14" x 3" Wheel)	1	1
6	B	1090648-NLA	NLA - Hardware, Drive Wheel Mounting w/ Instruction Sheet (14 x 3")	1	1
7		7930322-NLA	NLA - Package, Screw, Hex Head (M8 x 1.25 x 20mm)	25	1
8		1064179	Kit, Locking Tab Washer w/ Instruction Sheet (Pair)	2	2
9		1079247	Washer, Flat (21/64 x 53/64 x 7/64")	1	1
10		1024444	Locknut (5/16-24)	1	4
11		1086681-NLA	NLA - Hub, Wheel (14" x 3")	1	1
12		1023264	Key (6mm x 6mm x 40mm)	1	1
NOTE: A - Hardware consists of: 8 ea. Screw, Hex Head Cap (1/4-20 x 3/4"); 8 ea. Locknut, High Profile (1/4-20). B - Includes items 7-12 and instruction sheet.					

Battery Boxes and Trays

NOTE: Light Duty, 250-S Models use UI batteries with 22NF battery boxes.



Battery Boxes and Trays

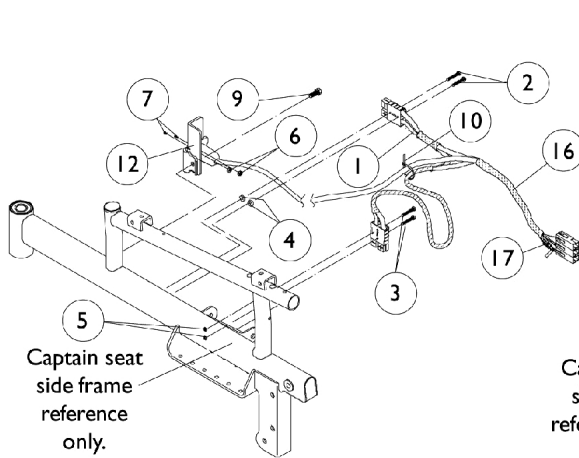
NOTE: Light Duty, 250-S Models use UI batteries with 22NF battery boxes.

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	G	1097007	Battery Box Assembly, Rear, 22NF	1	2
2	A,B,G	1097003	Battery Box Top, Rear, 22NF	1	2
3	H	1057944	Battery Box Bottom with Strap, 22NF	1	2
3		1057954-NLA	NLA - Strap, Battery	1	2
3		1041433-NLA	NLA - Pin, Handle	1	2
4	I	1071532-NLA	NLA - Battery Tray Assembly with Hardware	1	1
5		1071490-NLA	NLA - Tray with Strap and Buckle	1	2
6		1025752-NLA	NLA - Screw, Hex Head (1/4-20 x 1-1/2")	1	4
7		1071566-NLA	NLA - Pin, Tray	1	4
8		15680X012	Collar, Anti-Rattle (7/8")	1	4
9		7930333	Locknut (1/4-20)	25	1
10		1071531-NLA	NLA - Support, Tray	1	1
11		1021406	Screw, Hex Head (1/4-20 x 1-1/4")	1	4
12		1074127-NLA	NLA - Decal, Tray	1	1
13		1071543-NLA	NLA - Bracket, Tray, Black	1	2
14		1071505	Screw, Socket w/ Patch (M6 x 1 x 20mm)	1	3
15	J	1071504-NLA	NLA - Screw, Socket w/ Patch (M6 x 1 x 35mm)	1	3
16		1079193-NLA	NLA - Tray, Battery with Strap, Weight Shifting Tilt	1	1
	A,E	50000X166-NLA	NLA - Fuse - Buss 2-1/4" L (60 AMP)	1	2
	E,F	1089385	Fuse, MIDI (Non-G/B & G/B) (80 AMP)	1	2
	C,E,K	1060318-NLA	NLA - Hardware, Battery Terminal, UI Batteries (Pair)	2	1
	D,E	1058618-NLA	NLA - Hardware, Battery Terminal, 22NF Batteries (Pair)	2	1

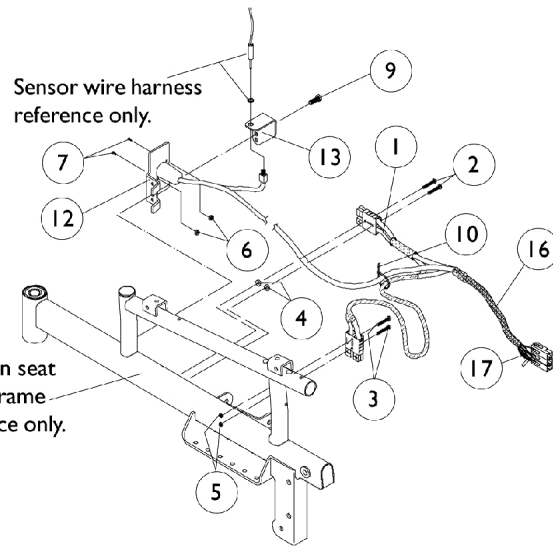
NOTE: A - As of 11/5/99 the battery harness fuse changed from Bussman 60 AMP to a MIDI 80 AMP fuse. This battery box top is compatible for all chairs manufactured before 11/5/99 and must be ordered whenever a replacement Bussman 60 AMP fuse is requested.
 B - It is recommended that new terminal hardware be ordered when a new battery 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, locking tab washers and instruction sheet for two batteries.
 D - Hardware includes battery clamps, battery clamp caps (red and black), small battery terminal caps (red and black), 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 - Not Shown.
 F - After 11/4/99 - Dual Battery Box or After 11/9/00 - Single Battery Box.
 G - 22NF and UI 250-S Models.
 H - #1057944 includes: (2) each #1057954 Battery Strap and (2) each #1041433 Handle Pin.
 I - Includes items 5-13.
 J - (3) each required for Non-Weight Shifting Tilt and (2) each required for Weight Shifting Tilt.
 K - 250-S Models.

Battery Charger and Harnesses

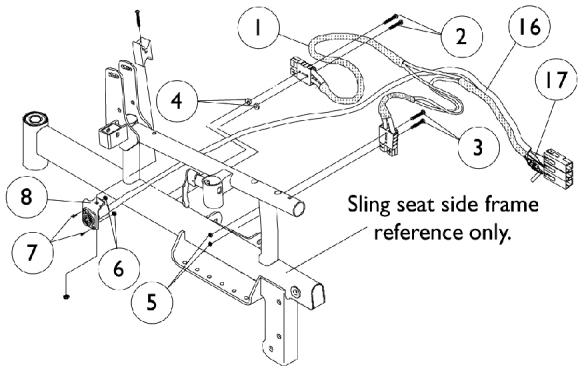
Light Duty, 250-S models use a 4 amp. battery charger, #1061411.



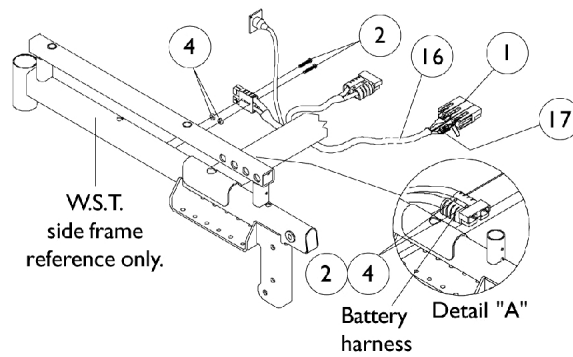
**Battery Harness Layout
(Low Back Captain Seat
and Sling Seat with Shrouds.)**



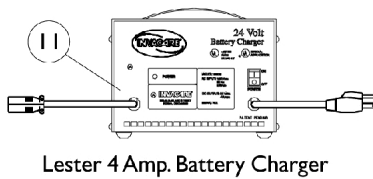
**Battery Harness Layout
(High Back Captain Seat)**



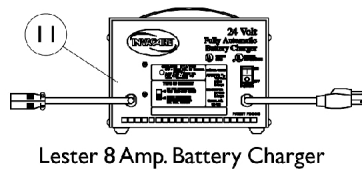
**Battery Harness Layout
(Sling Seat w/o Shrouds.)**



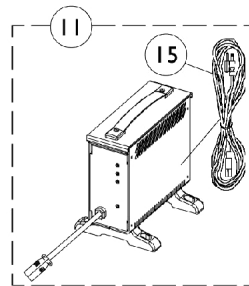
**Battery Harness Layout
(Weight Shifting Tilt)**



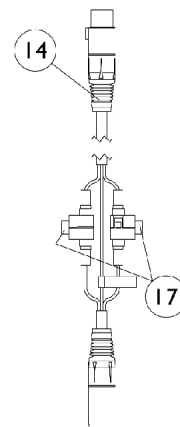
Lester 4 Amp. Battery Charger



Lester 8 Amp. Battery Charger



Dynamic or CTE
Battery Charger



Battery Charger and Harnesses

Light Duty, 250-S models use a 4 amp. battery charger, #1061411.

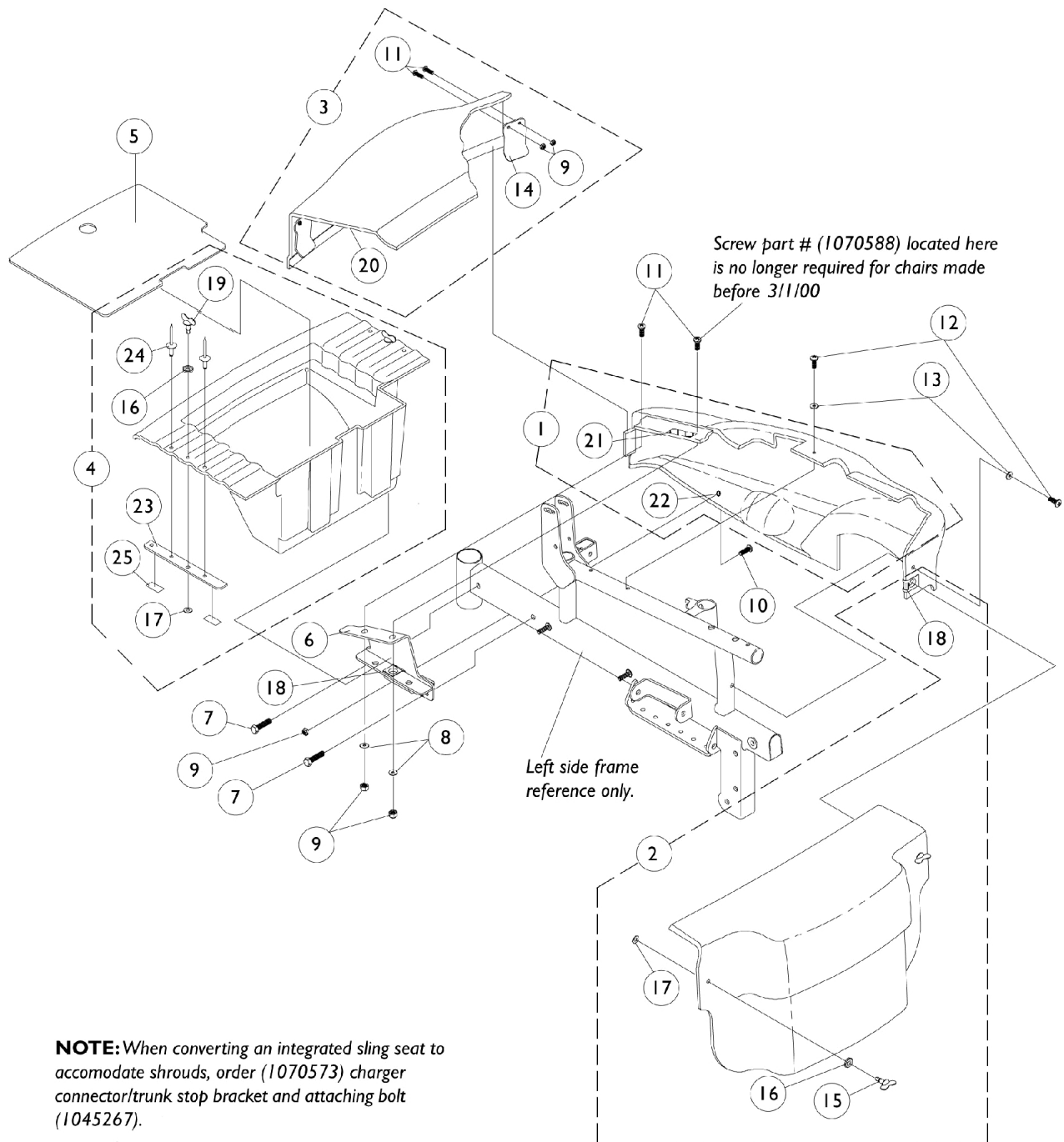
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	H	1053834-NLA	NLA - Harness, Wiring, Standard	1	1
1	I	1070590-NLA	NLA - Harness, Wiring	1	1
2	J	1039773-NLA	NLA - Screw, Phillips Pan Head (#6-32 x 1-1/8")	1	4
3		1011980-NLA	NLA - Screw, Phillips Pan Head (#6-32 x 3/4")	1	2
4		1061323-NLA	NLA - Washer, Nylon (11/64 x 1/2 x 1/8")	1	4
5		P0870X050-NLA	NLA - Nut, Keps (#6-32)	1	2
6		P0870X000	Nut, Hex Keps (#4-40)	1	2
7		7930318-NLA	NLA - Package, Screw, Phillips Pan Head (#4-40 x 1/2")	25	1
8		1053837-NLA	NLA - Bracket, Charger Connector, Black	1	1
9		1045267	Screw, Hex Head w/ Patch (1/4-20 x 3/4")	1	1
10		1021260	Tie Wrap (5-5/8" L)	1	1
11	B,O	1053161-NLA	NLA - Charger, Battery, 8 Amp, 115vac, Off Board Dual Mode Round Plug, Lester	1	1
11		1085678-NLA	NLA - Charger, Battery, 8 Amp. 115vac, Off Board, Dual Mode, Round Plug w/ AC Power Line Cord, Dynamic	1	1
11	G,L	1061411-NLA	NLA - Charger, Battery, 4 Amp. 115vac, Off Board, Dual Mode, Round Plug, Lester	1	1
11	M,M1	1123249	Charger, Battery, 8 Amp. 115vac (Off Board) Single Mode Round Plug w/ AC Power Line Cord	1	1
11	M,M1	1123249E-NLA	NLA - WARR RPLMT - Charger, Battery, 8 Amp, 115VAC (Off Board) Single Mode Round Plug w/ AC Power Line Cord	1	1
12	A	1076390-NLA	NLA - Bracket, Battery Charger, Connector/Trunk Stop	1	1
13		1076389-NLA	NLA - Bracket, Limit Switch Sensor	1	1
14		1083929-NLA	NLA - Cable, Charger Extension, Round Plug (24" L)	1	1
15	N	1089627-NLA	NLA - Cord, AC Power, 115VAC, 2 Prong Off-Board (11' 6" L)	1	1
15		1121086	Cord, AC Power, 115VAC, 3 Prong On-Board (6' 6-1/2" L)	1	1
16	C	1090357-NLA	NLA - Wrap, Slit Wire Harness (1/2" O.D., 36" Long Cut To Length)	1	1
17	E	1098892-NLA	NLA - Fuse - Buss ATC-15 (15 AMP)	1	2
17	K	1090117-NLA	NLA - Fuse - Buss Mini ATM-15 (15 AMP)	1	2
	D,F	1095502-NLA	NLA - Package, Tie Wrap (11-1/2" L)	10	1

Battery Charger and Harnesses

Light Duty, 250-S models use a 4 amp. battery charger, #1061411.

NOTE: A - #1070573 was replaced with #1076390 and serves as a direct replacement for low back captain seats and sling seats with shrouds for chairs manufactured before 7/1/99.
B - On 7/18/01 Lester 8 amp. battery charger was reinstated.
C - Plastic wire replaced mesh fabric and heat shrink 9/1/99. Part #1090357 can be used for chairs manufactured before 9/1/99 as well.
D - Not Shown.
E - Before 4/1/03. Charger extension cable requires 1 fuse and wire harness requires 2 fuses
F - Package of 10.
G - Light Duty, 250-S Models Only.
H - Low Back Captain Seat, Sling Seat with Shrouds and Weight Shifting Tilt.
I - High Back Captain Seat.
J - (4) each Weight Shifting Tilt; (2) each Non-Weight Shifting Tilt.
K - After 3/31/03. Charger extension cable requires 2 fuses and wire harness requires 2 fuses
L - CTE 8 Amp. charger replaced the obsoleted 4 Amp. charger as of 4/1/04.
M - 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.
M1 - 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.
N - No longer available as a service part. Please use 1121086 as its replacement.
O - Use Battery Charger part number 1123249 as a replacement.

Shroud Covers - Before 3/1/00



NOTE: When converting an integrated sling seat to accommodate shrouds, order (1070573) charger connector/trunk stop bracket and attaching bolt (1045267).

Shroud Covers - Before 3/1/00

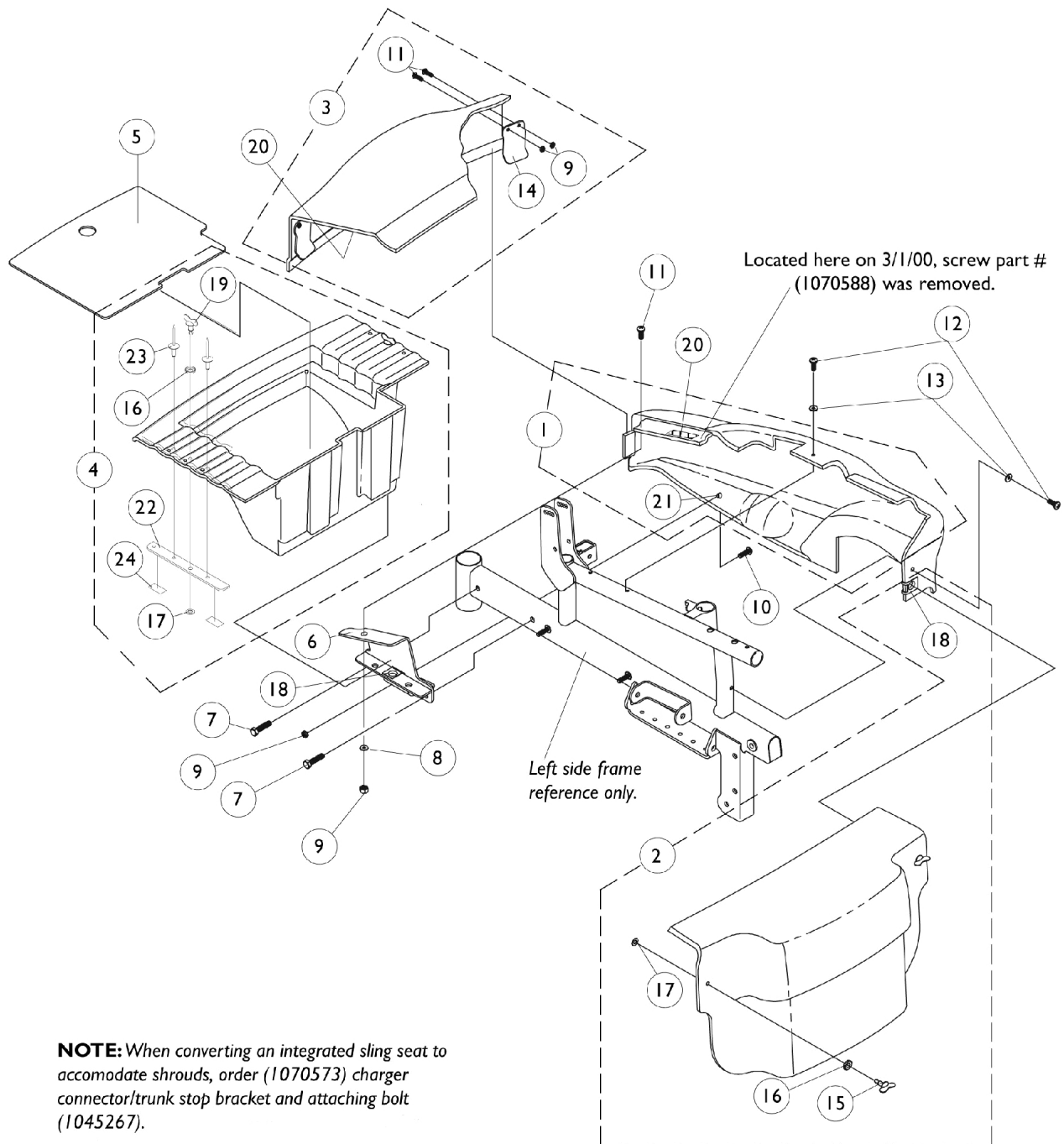
Item #'s 1-5 Shroud Covers Before 3/1/00

Item Number	Description	Bright Plum Metallic	Bright Blue Metallic	Bright Silver Metallic	Blue Green Chameleon	Candy Apple Red
1	Side Panel (Captain) - Right	1074942-NLA See Note(s) B, D	1074943-NLA See Note(s) B, D	1074945-NLA See Note(s) B, D	1074944-NLA See Note(s) B, D	1085094-NLA See Note(s) B, D
1	Side Panel (Captain) - Left	1074946-NLA See Note(s) B, D	1074947-NLA See Note(s) B, A, D	1074949-NLA See Note(s) B, D	1074948-NLA See Note(s) B, D	1085095-NLA See Note(s) B, D
1	Side Panel (Sling Seat) - Right	1074975-NLA See Note(s) B, D	1074976-NLA See Note(s) B, A, D	1074978-NLA See Note(s) B, D	1074977-NLA See Note(s) D, B	1085092-NLA See Note(s) A, B, D
1	Side Panel (Sling Seat) - Left	1074979-NLA See Note(s) B, E	1074980-NLA See Note(s) B, E	1074982-NLA See Note(s) E, B	1074981-NLA See Note(s) E, B	1085093-NLA See Note(s) B, D, E
2	Battery Cover - 16" Wide	1074970-NLA See Note(s) C	1074971-NLA See Note(s) C	1074973-NLA See Note(s) C	1074972-NLA See Note(s) A, C	1085088-NLA See Note(s) C
2	Battery Cover - 18" Wide	1074966-NLA See Note(s) A, C	1074967-NLA See Note(s) C	1074969-NLA See Note(s) C	1074968-NLA See Note(s) C	1085087-NLA See Note(s) C
2	Battery Cover - 20" Wide	1074962-NLA See Note(s) C	1074963-NLA See Note(s) A	1074965-NLA See Note(s) C	1074964-NLA See Note(s) C	1085086-NLA See Note(s) C
3	Trunk Lid - 16" Wide	1074958-NLA See Note(s) C, A	1074959-NLA See Note(s) C	1074961-NLA See Note(s) C, A	1074960-NLA See Note(s) C	1085091-NLA See Note(s) C
3	Trunk Lid - 18" Wide	1074954-NLA See Note(s) C	1074955-NLA See Note(s) C	1074957-NLA See Note(s) C	1074956-NLA See Note(s) C	1085090-NLA See Note(s) C
3	Trunk Lid - 20" Wide	1074950-NLA See Note(s) C, A	1074951-NLA See Note(s) C	1074953-NLA See Note(s) C	1074952-NLA See Note(s) C	1085089-NLA See Note(s) C
4	Rear Storage Compartment, - 16" Wide	1070562-NLA See Note(s) C	1070562-NLA See Note(s) C	1070562-NLA See Note(s) C	1070562-NLA See Note(s) C	1070562-NLA See Note(s) C
4	Rear Storage Compartment, - 18" Wide	1070561-NLA See Note(s) C	1070561-NLA See Note(s) C	1070561-NLA See Note(s) C	1070561-NLA See Note(s) C	1070561-NLA See Note(s) C
4	Rear Storage Compartment, - 20" W See Note(s) C	1070560-NLA	1070560-NLA See Note(s) C	1070560-NLA See Note(s) C	1070560-NLA See Note(s) C	1070560-NLA See Note(s) C
5	Storage Shelf, Rear	1071655-NLA	1071655-NLA	1071655-NLA	1071655-NLA	1071655-NLA
NOTE: A - Shrouds made before 3/1/00 are NLA. See page titled, "Shroud Covers - After 2/29/00" and select a color conversion package. B - Decals not included. See page titled, "Packaging, Literature and Decals." C - Captain seat shrouds on 18" wide only. D - Side Panel (Captain Seat) includes rubber bushing. E - Side Panel (Sling Seat) includes rubber bushing.						

Shroud Covers - Before 3/1/00

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1-5		See Chart	Item #'s 1-5 Shroud Covers - Before 3/1/00	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	1
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	4
13		1070587	Washer, Flat (3/16 x 5/8 x 1/16")	1	4
	A,B	1070564-NLA	NLA - Hardware, Side Panel Attaching	1	1
14		1070577-NLA	NLA - Plate, Trunk Clip	1	2
15		1070583-NLA	NLA - Stud, Wing Head (3/4" Long)	1	2
16		1070581-NLA	NLA - Washer, Nylon Cupped (9/32 x 19/32 x 3/32")	1	4
17		1070580-NLA	NLA - Washer, Nylon Retainer (1/4 x 1/2 x 1/32")	1	4
18		1013497-NLA	NLA - Fastener, Turn, Clip-On (1/4")	1	4
19	C	1070585	Stud, Oval Slotted (1" Long)	1	2
19	D	1070574-NLA	NLA - Stud, Wing Head (1" Long)	1	2
20		1070556-NLA	NLA - Fastener, Dual Lock (1" W x 2" L)	1	2
21		1070555-NLA	NLA - Fastener, Dual Lock (5/8" W x 2" L)	1	2
22		1070594-NLA	NLA - Bushing, Rubber	1	2
23		1070563-NLA	NLA - Plate, Trunk	1	2
24		1070582-NLA	NLA - Rivet	1	4
25		1062096-NLA	NLA - Fastener, Loop (1/2" W x 1" L)	1	4
NOTE: A - Not Shown. B - Includes items 6-13. C - Before 2/11/98. D - After 2/10/98.					

Shroud Covers - After 2/29/00



Shroud Covers - After 2/29/00

Item #'s 1-5 Shroud Covers After 2/29/00

Item Number	Description	Ocean Blue	Emerald Green	Liquid Black	Candy Apple Red
1	Side Panel (Captain) - Right	1102266-NLA See Note(s) D, A, B	1102267-NLA See Note(s) D, B, A	1102265-NLA See Note(s) A, B, D	1102264-NLA See Note(s) A, D, B
1	Side Panel (Captain) - Left	1102270-NLA See Note(s) A, D, B	1102271-NLA See Note(s) D, A, B	1102269-NLA See Note(s) B, A, D	1102268-NLA See Note(s) D, A, B
1	Side Panel (Sling Seat) Right See Note(s) B	1102274-NLA See Note(s) A, B, D	1102275-NLA See Note(s) A, B, D	1102273-NLA See Note(s) A, B, D	1102272-NLA See Note(s) A, B, D
1	Side Panel (Sling Seat) Left	1102278-NLA See Note(s) A, B, D	1102279-NLA See Note(s) A, B, D	1102277-NLA See Note(s) A, B, D	1102276-NLA See Note(s) A, B, D
2	Battery Cover - 16" Wide	1094737-NLA See Note(s) C	1094738-NLA See Note(s) C	1094736-NLA See Note(s) C	1094735-NLA See Note(s) C
2	Battery Cover - 18" Wide	1094733-NLA See Note(s) C	1094734-NLA See Note(s) C	1094732-NLA See Note(s) C	1094731-NLA See Note(s) C
2	Battery Cover - 20" Wide	1094729-NLA See Note(s) C	1094730-NLA See Note(s) C	1094728-NLA See Note(s) C	1094727-NLA See Note(s) C
3	Trunk Lid - 16" Wide	1102262-NLA See Note(s) B, C	1102263-NLA See Note(s) B, C	1102261-NLA See Note(s) B, C	1102260-NLA See Note(s) B, C
3	Trunk Lid - 18" Wide	1102258-NLA See Note(s) B, C	1102259-NLA See Note(s) C, B	1102257-NLA See Note(s) C, B	1102256-NLA See Note(s) B, C
3	Trunk Lid - 20" Wide	1102254-NLA See Note(s) C, B	1102255-NLA See Note(s) C, B	1102253-NLA See Note(s) C, B	1102252-NLA See Note(s) B, C
4	Rear Storage Compartment - 16" Wide	1070562-NLA See Note(s) C	1070562-NLA See Note(s) C	1070562-NLA See Note(s) C	1070562-NLA See Note(s) C
4	Rear Storage Compartment - 18" Wide	1070561-NLA See Note(s) C	1070561-NLA See Note(s) C	1070561-NLA See Note(s) C	1070561-NLA See Note(s) C
4	Rear Storage Compartment - 20" Wide	1070560-NLA See Note(s) C	1070560-NLA See Note(s) C	1070560-NLA See Note(s) C	1070560-NLA See Note(s) C
5	Rear Storage Compartment, Shelf-Black	1071655-NLA	1071655-NLA	1071655-NLA	1071655-NLA
NOTE: A - Decals not included. See page titled, "Packaging, Literature and Decals." B - Dual lock fasteners and spacers are not included with shrouds. See item 20. C - Captain seat shrouds on 18" wide only. D - Side Panel includes Rubber Bushing.					

Shroud Covers - After 2/29/00

Color Conversion Package, Captain Seat

Ocean Blue	Emerald Green	Liquid Black	Candy Apple Red
1096875-NLA	1096876-NLA	1096874-NLA	1096873-NLA
See Note(s) A, B, C	See Note(s) A, C, B	See Note(s) A, B, C	See Note(s) B, A, C
NOTE: A - Decals not included. See page titled, "Packaging, Literature and Decals." B - Not Shown. C - Includes items 1,3,8,9,10,11,12 and 13.			

Color Conversion Package, Sling Seat

Width	Ocean Blue	Emerald Green	Liquid Black	Candy Apple Red
16" Wide	1096883-NLA	1096884-NLA	1096882-NLA	1096881-NLA
	See Note(s) C, B, A	See Note(s) B, C, A	See Note(s) A, B, C	See Note(s) B, C, A
18" Wide	1096879-NLA	1096880-NLA	1096878-NLA	1096877-NLA
	See Note(s) A, B, C	See Note(s) B, C, A	See Note(s) C, B, A	See Note(s) C, B, A
20" Wide	1096887-NLA	1096888-NLA	1096886-NLA	1096885-NLA
	See Note(s) C, B, A	See Note(s) A, B, C	See Note(s) C, A, B	See Note(s) C, A, B
NOTE: A - Decals not included. See page titled, "Packaging, Literature and Decals." B - Not Shown. C - Includes items 1, 3, 8, 9, 10, 11, 12 and 13.				

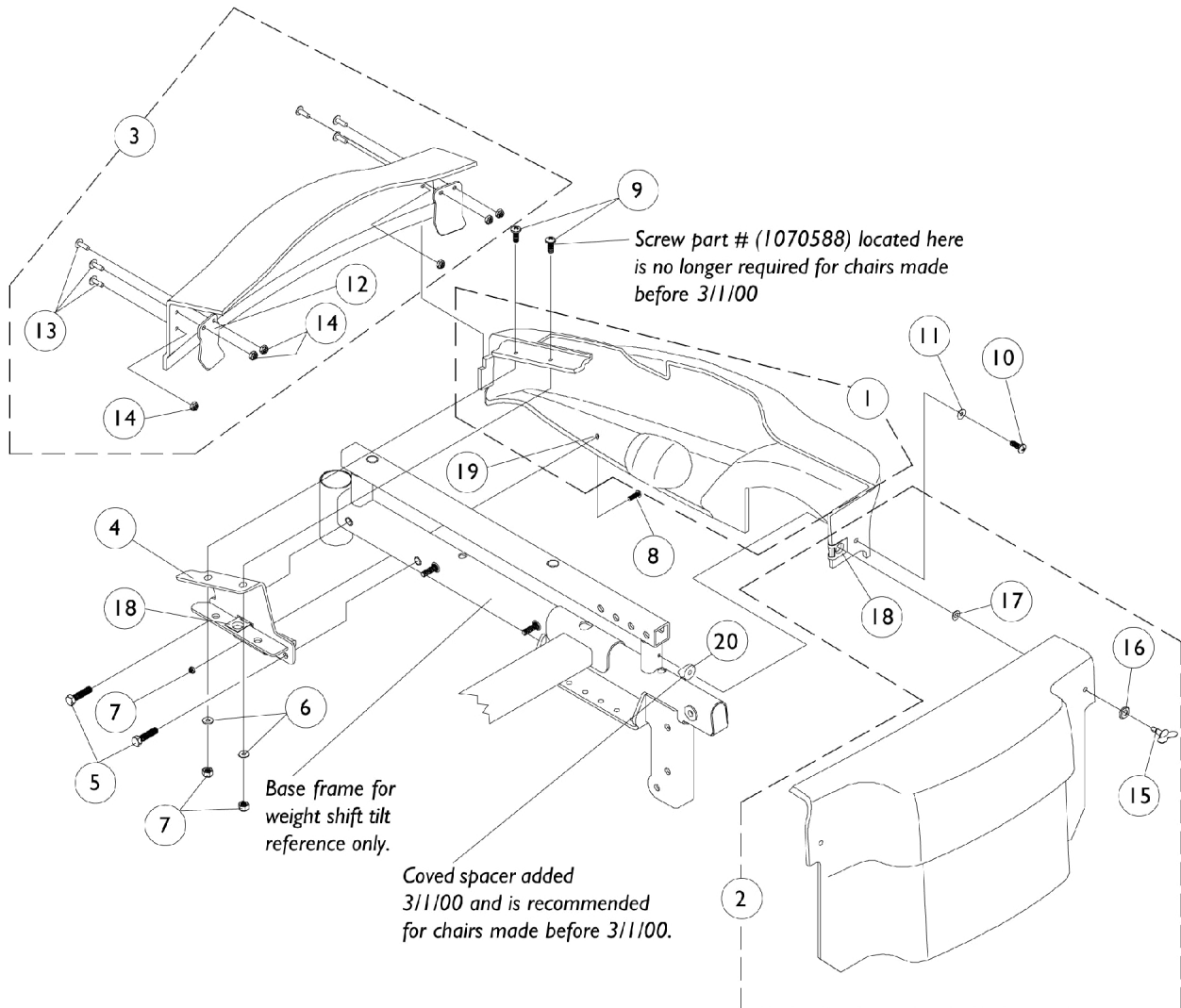
Shroud Covers - After 2/29/00

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1-5		See Chart	Item #'s 1-5 Shroud Covers After 2/29/00	1	1
	B	See Chart	Color Conversion Package, Captain Seat	1	1
	B	See Chart	Color Conversion Package, Sling Seat	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	1
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	4
13		1070587	Washer, Flat (3/16 x 5/8 x 1/16")	1	4
	B,C	1070564-NLA	NLA - Hardware, Side Panel Attaching	1	1
14		1070577-NLA	NLA - Plate, Trunk Clip	1	2
15		1070583-NLA	NLA - Stud, Wing Head (3/4" Long)	1	2
16		1070581-NLA	NLA - Washer, Nylon Cupped (9/32 x 19/32 x 3/32")	1	4
17		1070580-NLA	NLA - Washer, Nylon Retainer (1/4 x 1/2 x 1/32")	1	4
18		1013497-NLA	NLA - Fastener, Turn, Clip-On (1/4")	1	4
19		1070574-NLA	NLA - Stud, Wing Head (1" Long)	1	2
20	A	1097290	Kit, Dual Lock Fastener/ Spacer	1	1
21		1070594-NLA	NLA - Bushing, Rubber	1	2
22		1070563-NLA	NLA - Plate, Trunk	1	2
23		1070582-NLA	NLA - Rivet	1	4
24		1062096-NLA	NLA - Fastener, Loop (1/2" W x 1" L)	1	4
	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 6-13.					

Shroud Covers

Weight Shifting Tilt

Before 3/1/00



Shroud Covers

Weight Shifting Tilt

Before 3/1/00

Item #'s 1-3 Shroud Covers Before 3/1/00 Weight Shifting Tilt

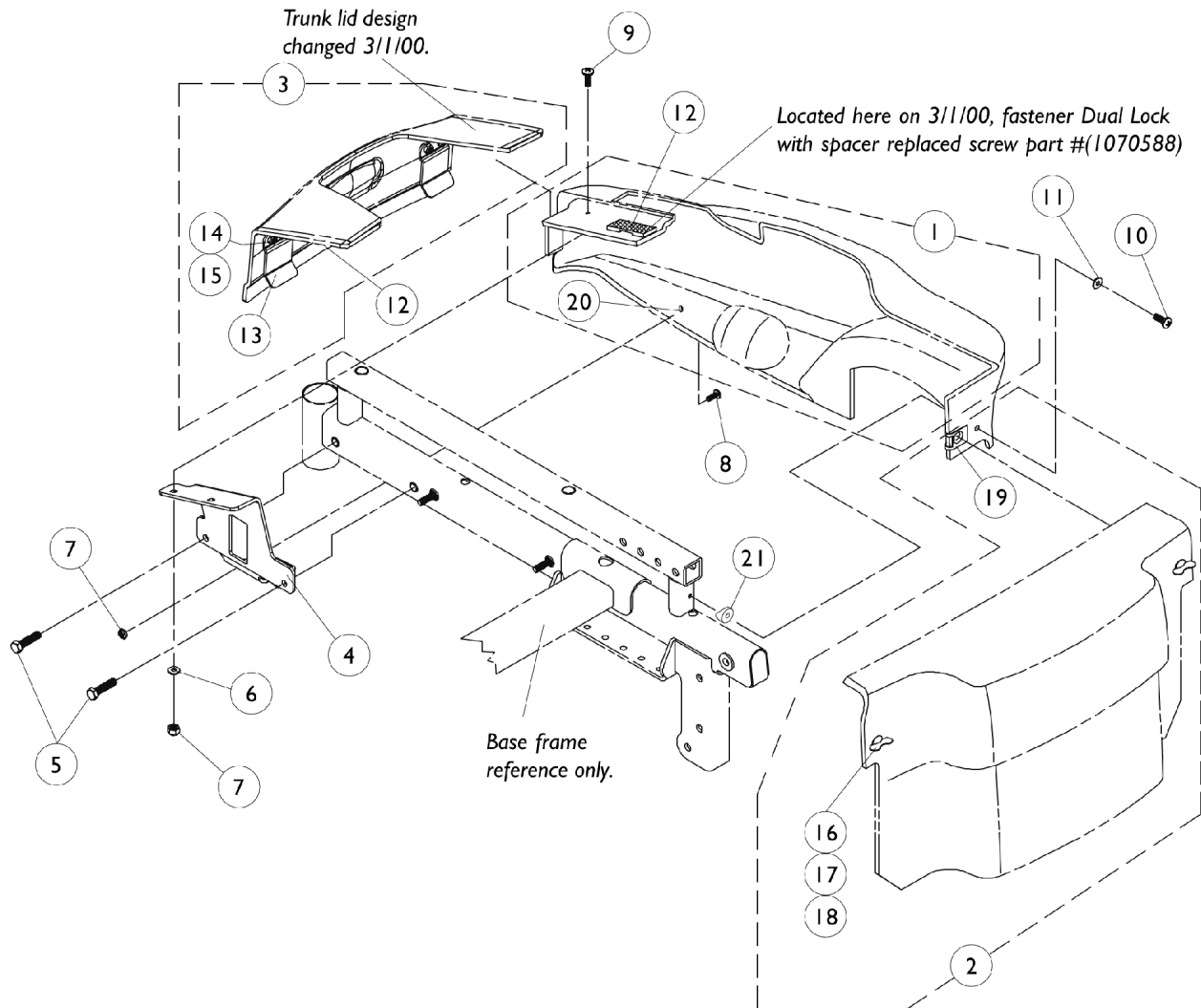
Item Number	Description	Bright Plum Metallic	Bright Blue Metallic	Blue Green Chameleon	Candy Apple Red
1	Side Panel - Right	1080685 See Note(s) B, A	1080686-NLA See Note(s) B, A	1080687-NLA See Note(s) C, A, B	1085100-NLA See Note(s) A, C, B
1	Side Panel - Left	1080688-NLA See Note(s) A, B	1080689-NLA See Note(s) A, B	1080690-NLA See Note(s) A, C, B	1085101-NLA See Note(s) A, B, C
2	Battery Cover	1080694-NLA	1080695-NLA	1080696-NLA	1085103-NLA See Note(s) C
3	Trunk Lid	1080691-NLA	1080692-NLA	1080693-NLA	1085102-NLA See Note(s) C
NOTE: A - Decals not included. See page titled, "Packaging, Literature and Decals." B - Side Panel includes Rubber Bushing. C - Shrouds made before 3/1/00 are NLA. See shrouds made after 2/29/00 and select color conversion package.					

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1-3		See Chart	Item #'s 1-3 Shroud Covers Before 3/1/00 Weight Shifting Tilt	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	1
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
	A,B	1079196-NLA	NLA - Hardware, Side Panel Attaching	1	1
12		1070577-NLA	NLA - Plate, Trunk Clip	1	2
13		1070588-NLA	NLA - Screw, Phillips Truss Head (#10-32 x 1/2")	1	6
14		7930332-NLA	NLA - Locknut, High Profile (#10-32)	25	1
15		1070583-NLA	NLA - Stud, Wing Head (3/4" Long)	1	2
16		1070581-NLA	NLA - Washer, Nylon Cupped (9/32 x 19/32 x 3/32")	1	4
17		1070580-NLA	NLA - Washer, Nylon Retainer (1/4 x 1/2 x 1/32")	1	4
18		1013497-NLA	NLA - Fastener, Turn, Clip-On (1/4")	1	4
19		1070594-NLA	NLA - Bushing, Rubber	1	2
20		40157X019-NLA	NLA - Spacer, Coved (1/4 x 7/8 x 7/16")	1	2
NOTE: A - Not Shown. B - Includes items 4-11 and 20.					

Shroud Covers

Weight Shifting Tilt

After 2/29/00



Shroud Covers

Weight Shifting Tilt

After 2/29/00

Item #'s 1-3 Shroud Covers After 2/29/00 Weight Shifting Tilt

Item Number	Description	Ocean Blue	Emerald Green	Liquid Black	Candy Apple Red
1	Side Panel - Right	1102286-NLA See Note(s) B, C, A	1102287-NLA See Note(s) A, C, B	1102285-NLA See Note(s) B, C, A	1102284-NLA See Note(s) A, B, C
1	Side Panel - Left	1102290-NLA See Note(s) C, B, A	1102291-NLA See Note(s) A, B, C	1102289-NLA See Note(s) B, C, A	1102288-NLA See Note(s) A, C, B
2	Battery Cover	1094777-NLA	1094778-NLA	1094776-NLA	1094775-NLA
3	Trunk Lid	1102282-NLA See Note(s) B	1102283-NLA See Note(s) B	1102281-NLA See Note(s) B	1102280-NLA See Note(s) B
NOTE: A - Decals not included. See page titled, "Packaging, Literature and Decals." B - Dual lock fasteners and spacers are not included with shrouds. See item 12. C - Side Panel includes Rubber Bushing.					

Color Conversion Package

Ocean Blue	Emerald Green	Liquid Black	Candy Apple Red
1096891-NLA See Note(s) C, A, B	1096892-NLA See Note(s) C, A, B	1096890-NLA See Note(s) C, B, A	1096889-NLA See Note(s) B, A, C
NOTE: A - Includes items: 1, 3, 6, 7, 8, 9, 10 and 11. See category titled, "Shroud Covers After 2/29/00 Weight Shifting Tilt." B - Decals not included. See category titled, "Packaging, Literature and Decals." C - Not Shown.			

Shroud Covers

Weight Shifting Tilt

After 2/29/00

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1-3		See Chart	Item #'s 1-3 Shroud Covers After 2/29/00 Weight Shifting Tilt	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	1
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")	1	4
15		7930332-NLA	NLA - Locknut, High Profile (#10-32)	25	1
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		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
	B	See Chart	Color Conversion Package	1	1
NOTE: A - Kit includes 2 each dual lock fasteners (5/8" W x 2" L) and (1" W x 2" L), 4 each dual lock spacers and instruction sheet. B - Not Shown. C - Includes items 4-11 and 21.					

Front Rigging Reference Chart

Support Assemblies

Riggings	Color-Right	Color-Left	Chrome-Right	Chrome-Left
PW93	8881070776	8881070777	N/A	N/A
PW93ST	8881070784-NLA	8881070785-NLA	N/A	N/A
PW93E	8881070768-NLA	8881070769-NLA	N/A	N/A
P93M	8881037836-NLA	8881037837-NLA	N/A	N/A
P904A	8881058646-NLA	8881058647-NLA	N/A	N/A
PAL4	N/A	N/A	1058482-NLA	1058483-NLA

NOTE: Calf pads and attaching screws not included with legrest. See page titled, "Calf Pads and Attaching Hardware."

Pivot/ Slide Tubes with Footplates

Riggins	16" Wide-Rt.	16" Wide-Lt.	18" Wide-Rt.	18" Wide-Lt.	20" Wide-Rt.	20" Wide-Lt.
PW93 - Standard Aluminum (1650)	1074149	1074150	1074149	1074150	1074149	1074150
PW93 - Deluxe Aluminium (1450)	1074151-NLA	1074152-NLA	1074151-NLA	1074152-NLA	1074151-NLA	1074152-NLA
PW93 - Extra Large (1350)	1026395	1026396	1026395	1026396	1026395	1026396
PW93ST - Composite (1651)	1057859	1057860	1057869	1057870	1057879	1057880
PW93E - Standard Aluminum (1650)	1074149	1074150	1074149	1074150	1074149	1074150
PW93E - Deluxe Aluminium (1450)	1074151-NLA	1074152-NLA	1074151-NLA	1074152-NLA	1074151-NLA	1074152-NLA
PW93E - Extra Large (1350)	1026395	1026396	1026395	1026396	1026395	1026396
P93M - Standard Aluminum (1650)	1057969-NLA	1057970-NLA	1057969-NLA	1057970-NLA	1057969-NLA	1057970-NLA
P93M - Deluxe Aluminium (1450)	1028892-NLA	1028893-NLA	1028892-NLA	1028893-NLA	1028892-NLA	1028893-NLA

Front Rigging Reference Chart

Pivot/ Slide Tubes with Footplates

Riggins	16" Wide-Rt.	16" Wide-Lt.	18" Wide-Rt.	18" Wide-Lt.	20" Wide-Rt.	20" Wide-Lt.
P93M - Extra Large (1350)	1031924-NLA	1031925-NLA	1031924-NLA	1031925-NLA	1031924-NLA	1031925-NLA
P904A - Standard Aluminum (1650)	1058604	1058605	1058604	1058605	1058604	1058605
P904A - Deluxe Aluminium (1450)	1028723-NLA	1028724-NLA	1028723-NLA	1028724-NLA	1028723-NLA	1028724-NLA
P904A - Extra Large (1350)	1058830	1058831	1058830	1058831	1058830	1058831
PAL4A - Standard Aluminum (1650)	1023907	1023908	1023907	1023908	1023907	1023908
PAL4A - Extra Large (1350)	1035456	1035457	1035456	1035457	1035456	1035457
NOTE: Pivot/ Slide tube mounting hardware not included.						

Front Rigging Reference Chart

2" and 4" Longer Pivot/ Slide Tubes

Pivot/ Slide Tubes with Footplates

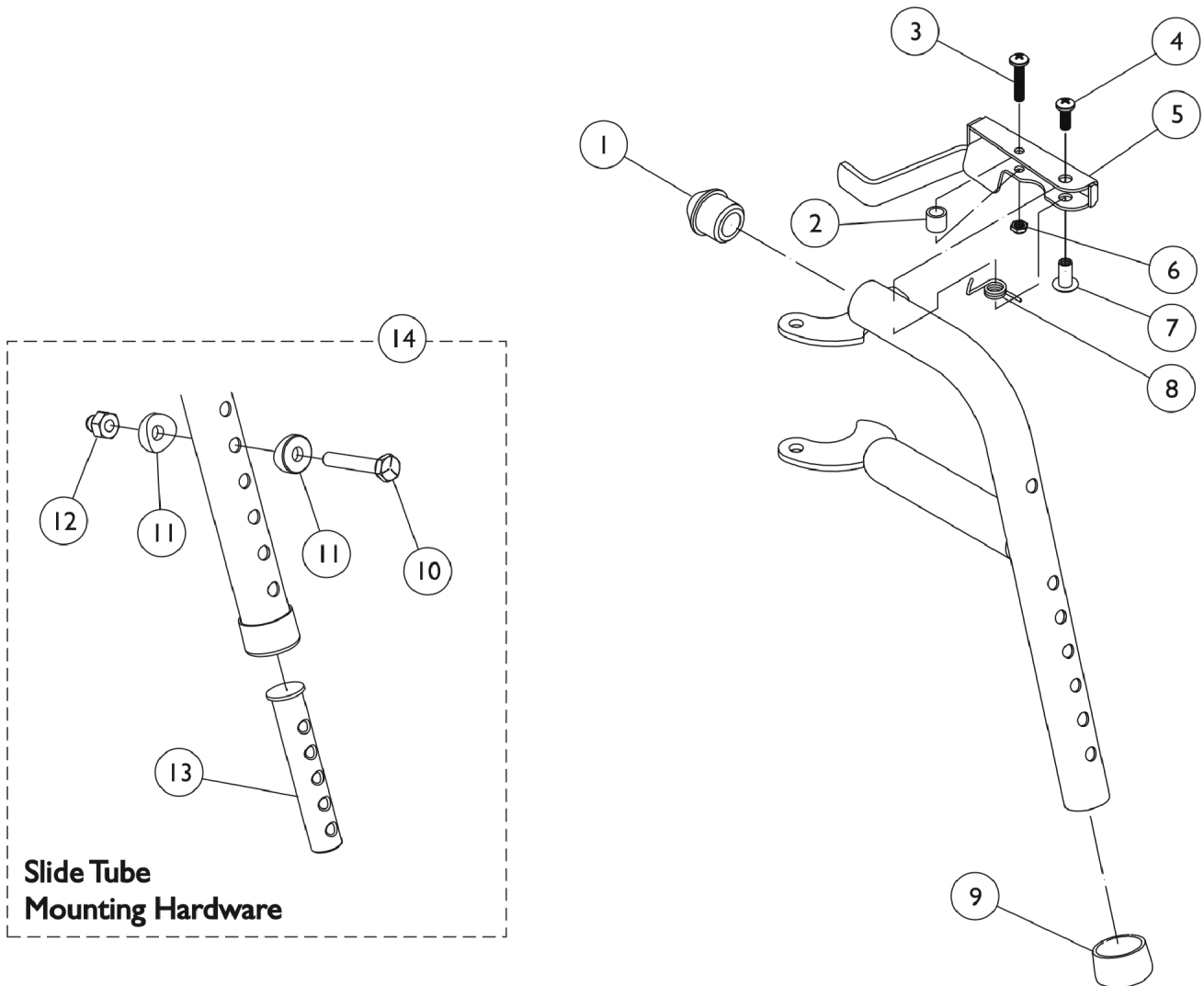
Riggings	16-20" Wide-Right	16-20" Wide-Left
PW93/PW93E - Standard Aluminum - 2" Longer	1086494-NLA	1086497-NLA
PW93/PW93E - Standard Aluminum - 4" Longer	1086495-NLA	1086498-NLA
PW93/PW93E - Extra Large - 2" Longer	1086515	1086517
PW93/PW93E - Extra Large - 4" Longer	1086516	1086518
P93M - Extra Large - 2" Longer	1086519-NLA	1086523-NLA
P93M - Extra Large - 4" Longer	1086520-NLA	1086524-NLA
P904A (16-20") Standard Aluminum - 2" Longer	1086529-NLA	1086531-NLA
P904A (16-20") Standard Aluminum - 4" Longer	1086530-NLA	1086532-NLA
P904A (16-20") Extra Large - 2" Longer	1086541-NLA	1086551-NLA
P904A (16-20") Extra Large - 4" Longer	1086542-NLA	1086552-NLA

NOTE: Pivot/Slide tube mounting hardware not included.

NOTE: Footplate Codes: Standard Aluminium (1650) and Extra Large (1350).

PW93 Footrest Supports

Color



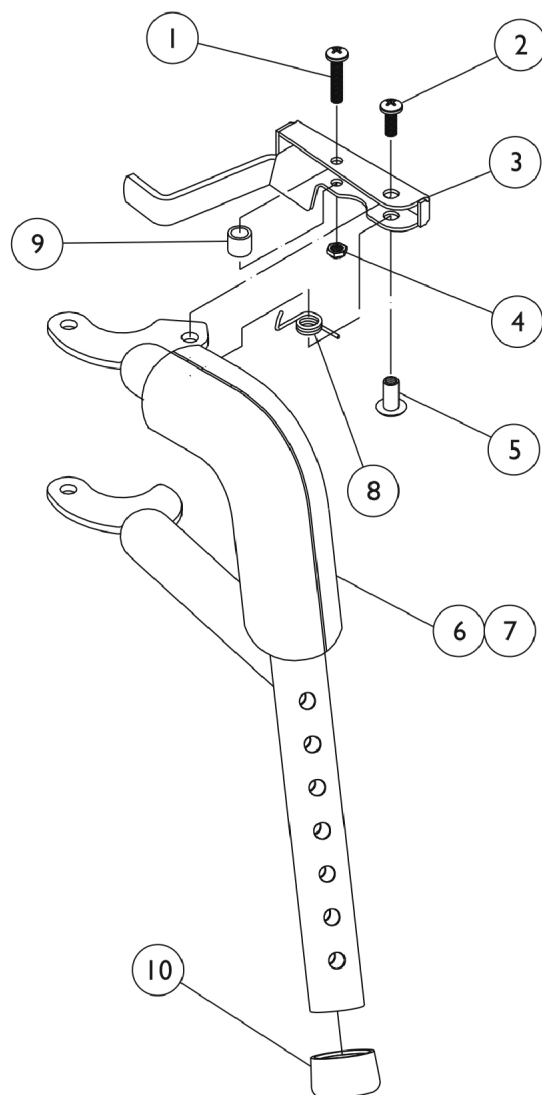
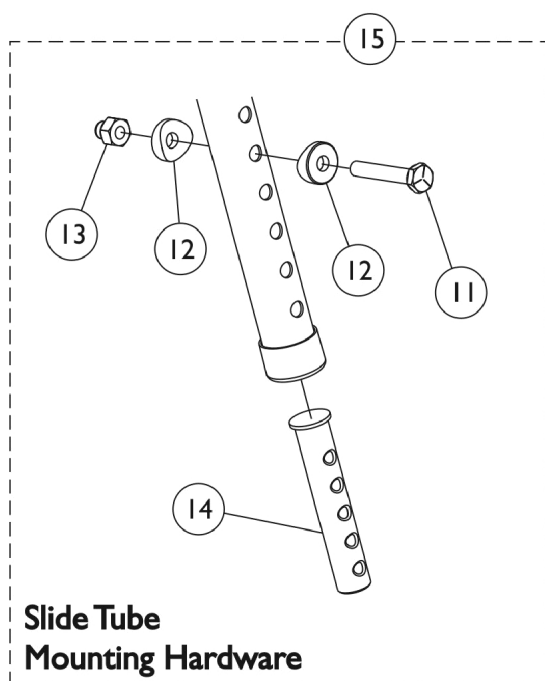
PW93 Footrest Supports

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 frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options." 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

Color



PW93ST Footrest Supports

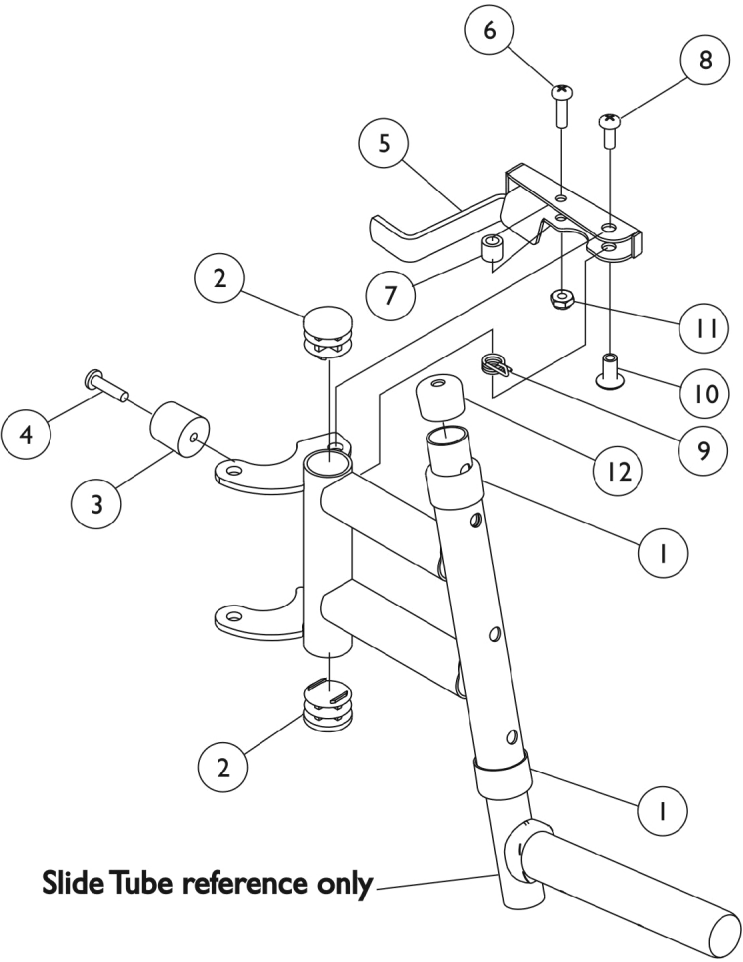
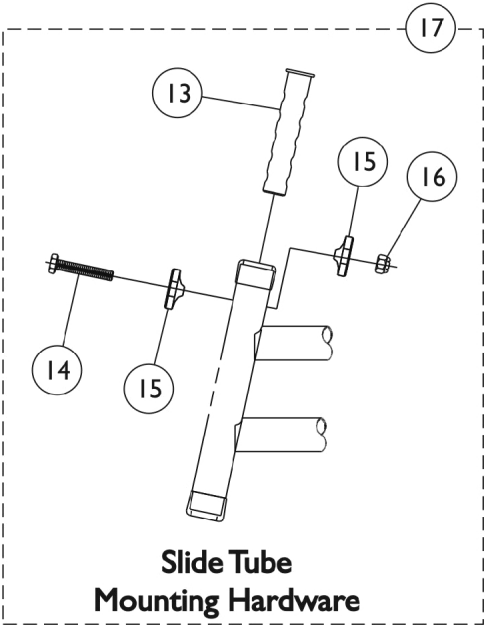
Color

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	1006490	Tip, Plastic, Black	1	1
	A,B	1026107	Screw, Phillips Pan Head (#10-32 x 1-3/8")	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	E	1020534	Insert, Threaded	1	1
15	D	1074143	Kit, Slide Tube Mounting Hardware	1	1
	B,C	8881070784-NL A	NLA - Footrest Support Assembly, Adult, Color - Right	1	1
	B,C	8881070785-NL A	NLA - Footrest Support Assembly, Adult, Color - Left	1	1

NOTE: A - These items are only required on Release Handles for chairs built before 10/1/00.
 B - Not Shown.
 C - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."
 D - Per Side.
 E - 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.

PW93E Footrest Supports

Color



PW93E Footrest Supports

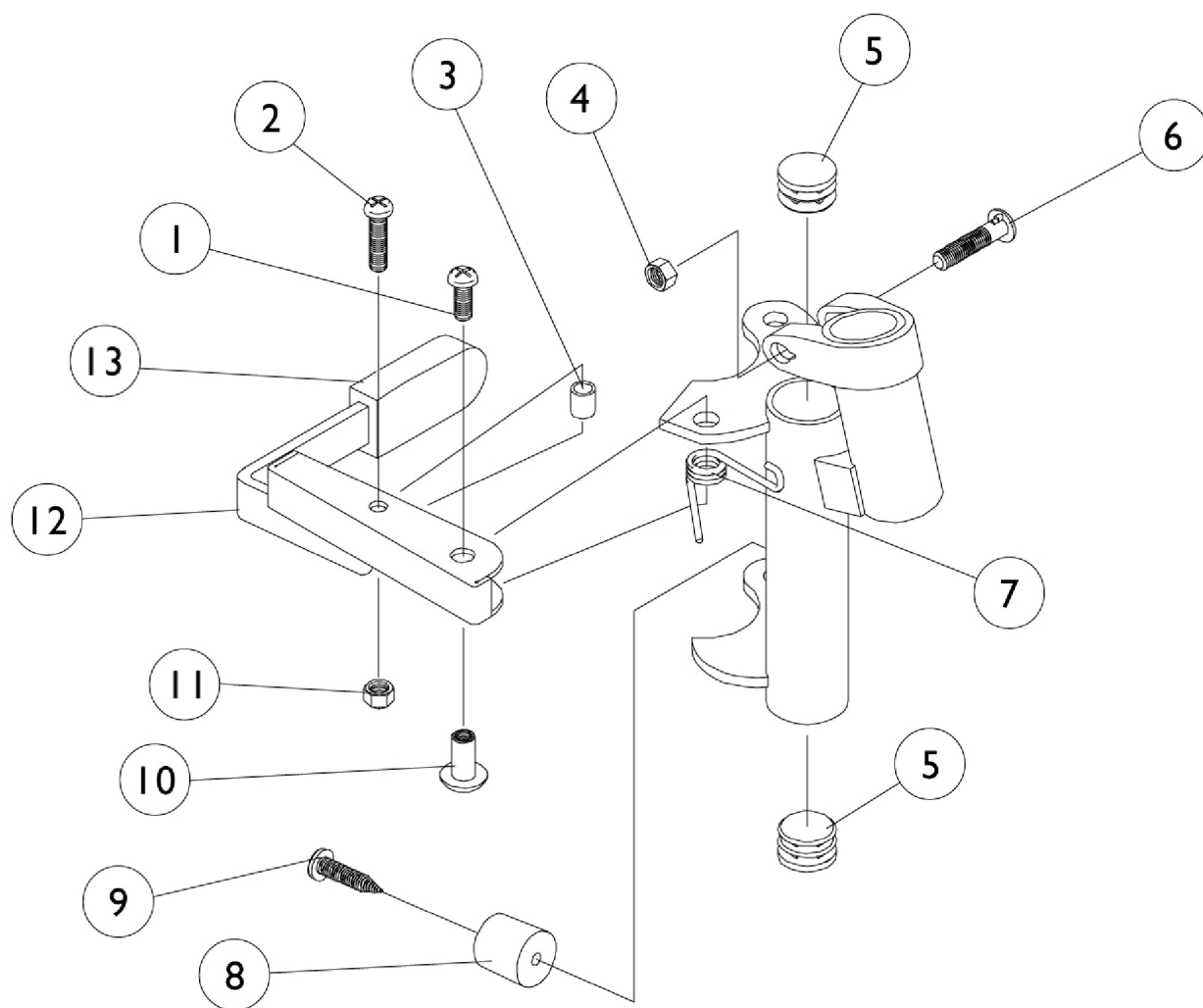
Color

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		15680X012	Collar, Anti-Rattle (7/8")	1	2
2		1027095	Plug Button, Black (7/8")	1	2
3		1022874	Bumper	1	1
4		1030979	Screw, Phillips Pan Head Tap (#10-32 x 3/4")	1	1
5		1035539	Handle, Release, Black - Right	1	1
5		1035540	Handle, Release, Black - Left	1	1
6		1025716	Screw, Phillips Pan Head (#10-32 x 11/16")	1	1
7		47565X057	Bushing (7/32 x 3/8 x 11/32")	1	1
8		1026114	Screw, Phillips Pan Head (#10-32 x 1/2")	1	1
9		1028707	Spring, Release - Right	1	1
9		1028708	Spring, Release - Left	1	1
10		1028846-NLA	NLA - Rivnut (#10-32)	1	1
11		1025735	Locknut (#10-32)	1	1
12		1074108	Cap, End Tube, Black (3/4")	1	1
13	C	1020534	Insert, Threaded	1	1
14		1070759	Screw, Hex Head (1/4-20 x 1-1/2")	1	1
15		1026099	Spacer, Coved (1/4 x 11/16 x 1/2")	1	2
16		1044214	Nut, Hex with Nylon Cap (1/4-20)	1	1
17		1074143	Kit, Slide Tube Mounting Hardware	1	1
	A,B	8881070768-NL A	NLA - Footrest Support Assembly, Adult, Color - Right	1	1
	A,B	8881070769-NL A	NLA - Footrest Support Assembly, Adult, Color - Left	1	1

NOTE: A - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."
 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.

P93M Footrest Supports

Color



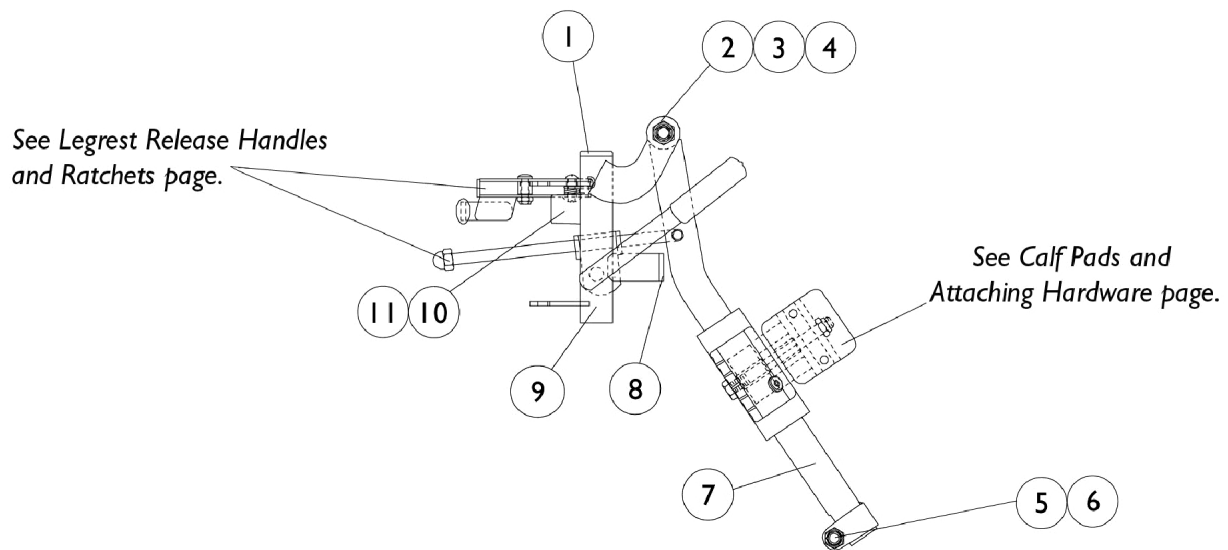
P93M Footrest Supports

Color

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		7930359-NLA	NLA - Package, Screw, Phillips Pan Head (#10-32 x 1/2")	25	1
2		7930360-NLA	NLA - Package, Screw, Phillips Pan Head (#10-32 x 11/16")	25	1
3		47565X057	Bushing (7/32 x 3/8 x 11/32")	1	1
4		1107321	Nut, Low Cap (5/16"-24)	1	1
5		1027095	Plug Button, Black (7/8")	2	1
6		11232X009	Bolt, Lug (5/16-24 x 1-3/8")	1	1
7		1008935	Spring, Release - Right	1	1
7		1008936	Spring, Release - Left	1	1
8		1022874	Bumper	1	1
9		1030979	Screw, Phillips Pan Head Tap (#10-32 x 3/4")	1	1
10		67005X000	Rivnut (#10-32)	1	1
11		7930365-NLA	NLA - Locknut (#10-32)	25	1
12		1035539	Handle, Release, Black - Right	1	1
12		1035540	Handle, Release, Black - Left	1	1
13	C	1006490	Tip, Plastic, Black	1	1
	A,B	8881037836-NL A	NLA - Footrest Support Assembly, Adult, Color - Right	1	1
	A,B	8881037837-NL A	NLA - Footrest Support Assembly, Adult, Color - Left	1	1
NOTE: A - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options." B - Not Shown. C - Before 10/1/00.					

P904A Legrest Supports

Color



P904A Legrest Supports

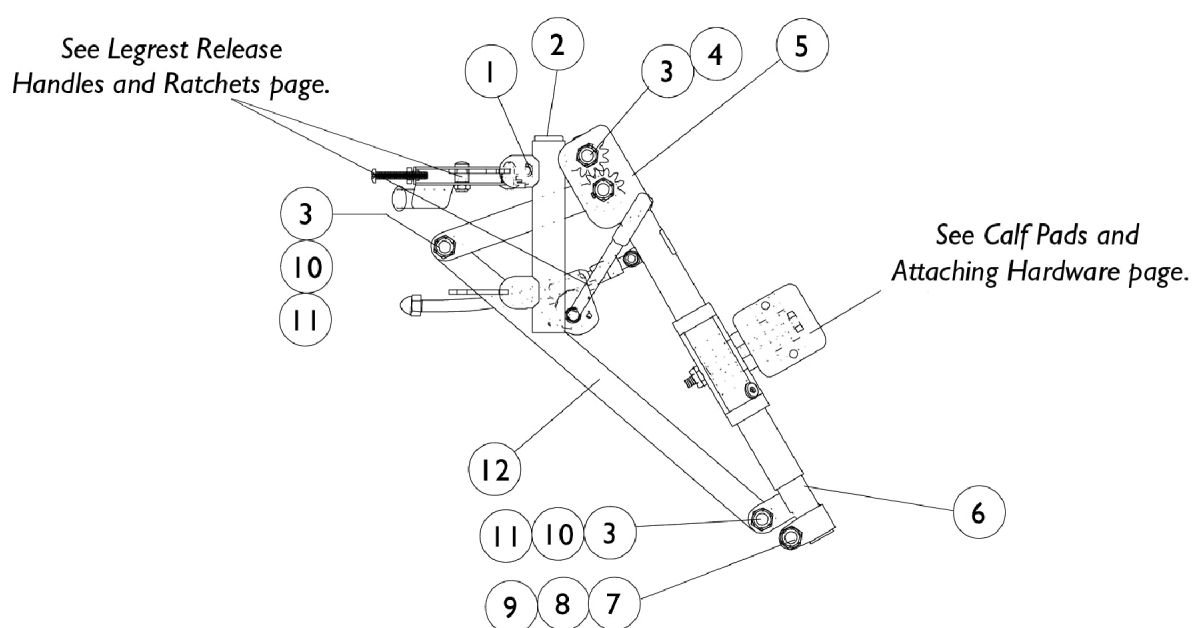
Color

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")	1	2
4		40363X000	Hex Nut (3/8"-16)	1	1
5		7930330-NLA	NLA - Locknut (5/16-24)	25	1
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,B	8881058646-NL A	NLA - Legrest Support Assembly, Adult, Color - Right	1	1
	A,B	8881058647-NL A	NLA - Legrest Support Assembly, Adult, Color - Left	1	1

NOTE: A - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."
B - Not Shown.

PAL4A Articulating Legrest Supports

Chrome

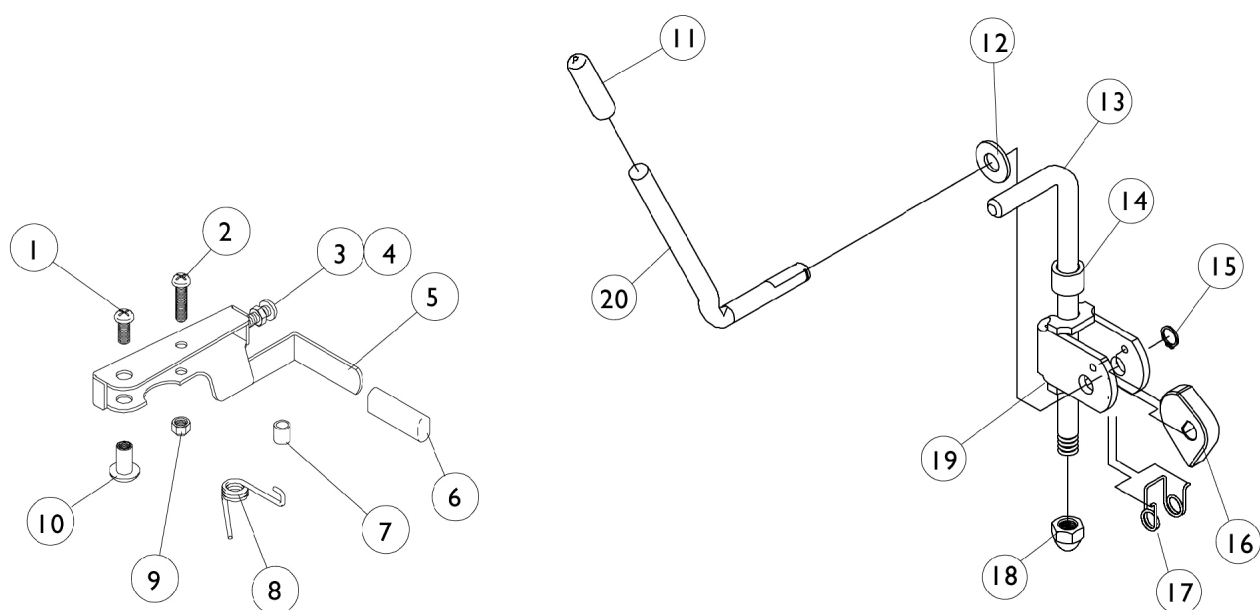


PAL4A Articulating Legrest Supports Chrome

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)	1	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")	1	2
11		1049527	Washer, Nylon (3/8 x 3/4 x 1/16")	1	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

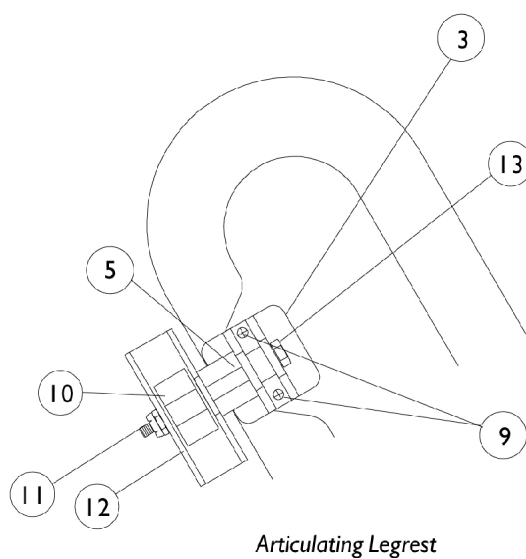
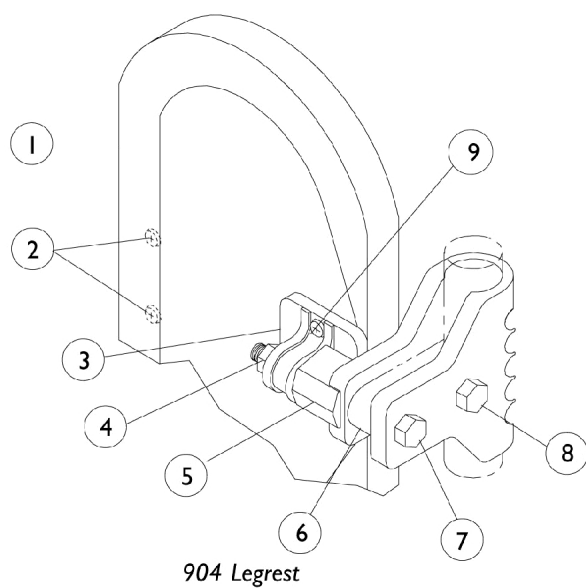


Legrest Release Handles and Ratchets

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)	25	1
10		1028846-NLA	NLA - Rivnut (#10-32)	1	1
11		1040060	Tip, Plastic, Black	1	1
12		7930310-NLA	NLA - Washer, Nylon (5/16 x 11/16 x 1/16")	25	1
13	B	42326X004	Bar, Ratchet - Right/Left	1	1
13	C	1023811-NLA	NLA - Bar, Ratchet - Right	1	1
13	C	1023812-NLA	NLA - Bar, Ratchet - Left	1	1
14		47330X003	Spacer (5/16 x 1/2 x 3/8")	1	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 - 904 Legrest. C - Articulating 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.

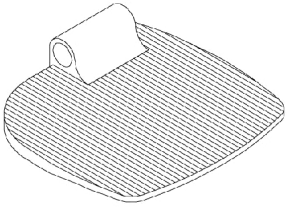
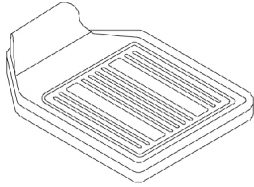
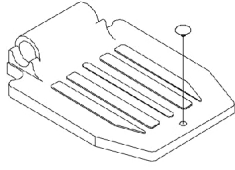


Calf Pads and Attaching Hardware

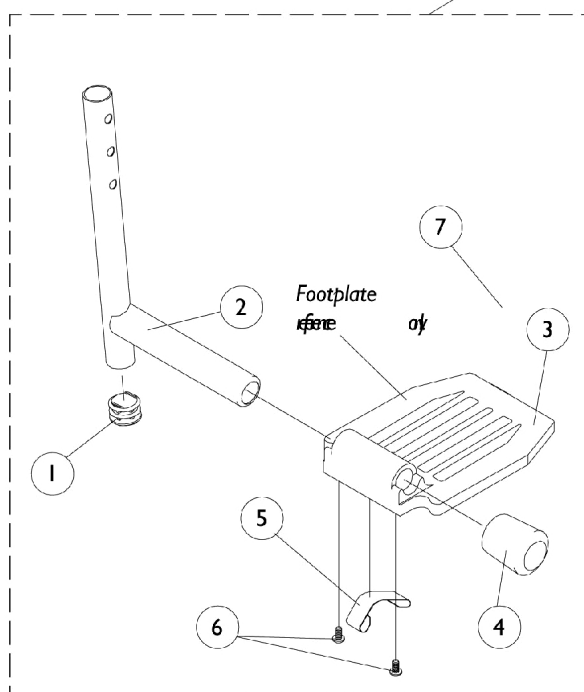
Due to a change to the Legrest Calf Pad size made on 4/23/12, you must also order the hardware kit (1066591) when ordering replacement Calf Pads.

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A,B,E	1091767-NLA	NLA - Pad with Screws, Legrest (Pair)	2	1
1	A,C,E	8881091764	Pad, Legrest, Vinyl - Right/Left	1	1
1		01415X000-NLA	NLA - Cover, Legrest Pad	1	1
2		40163X006-NLA	NLA - Screw, Phillips Pan Head (#10-14 x 1/16")	1	1
3		04526X019	Plate, Legrest Pad	1	1
4		7930330-NLA	NLA - Locknut (5/16-24)	25	1
5		1025133	Spacer, Legrest Pad, Black	1	1
6		1032267	Spacer, Legrest Pad Mounting, Black	1	1
7		1037110	Screw, Hex Head (5/16-24 x 3-1/2")	1	1
8		1028514	Screw, Hex Head (5/16-24 x 1-1/2")	1	1
9	D	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
10		48823X008	Spring, Leaf	1	1
11		7930363-NLA	NLA - Package, Locknut (5/16"-24)	25	1
12		1025104	Bracket, Legrest, Chrome	1	1
13		1014807	Screw, Hex Head (5/16-24 x 3-1/4")	1	1
NOTE: A - Specify upholstery color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options." B - Before 9/5/00 (Pair). C - After 9/4/00 (Single). D - Includes Screws and Instruction Sheet. E - 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.					

Pivot/ Slide Tube and Standard Aluminum, 1450, 1350 Footplates

		
1350 Extra large	1450 Deluxe Aluminum	16" to 20" W Standard Aluminum

For complete pivot/slide
tube and footplates see
Front Rigging Reference
Chart page.



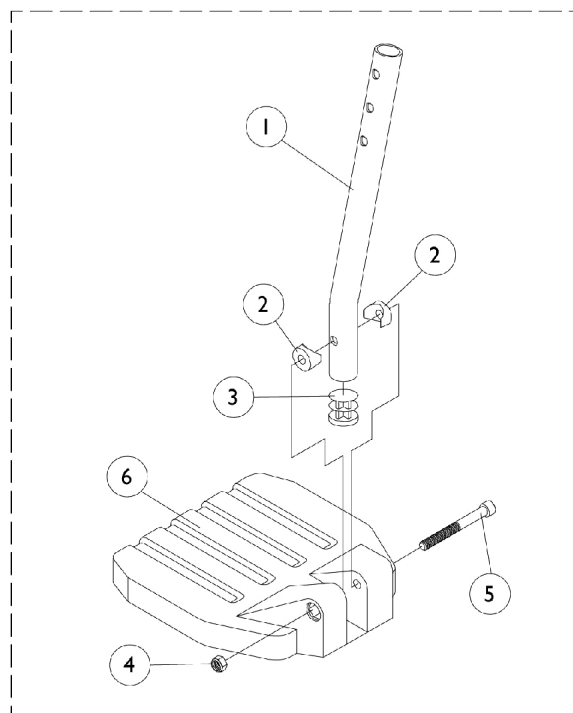
Pivot/ Slide Tube and Standard Aluminum, 1450, 1350 Footplates

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1027097	Plug Button, Black (3/4")	1	1
2	A,B	1048834	Pivot/Slide Tube w/ Plug Button, Black	1	1
2	A,B	1098906	Pivot/Slide Tube w/ Plug Button, Black (2" Longer)	1	1
2	A,B	1086482	Pivot/Slide Tube w/ Plug Button, Black (4" Longer)	1	1
2	C,A	1100568-NLA	NLA - Pivot/Slide Tube w/ Plug Button, Black	1	1
2	C,A	1100569-NLA	NLA - Pivot/Slide Tube Assembly, Extra Large, Standard Aluminium - 2" Longer, Black	1	1
2	C,A	1100570-NLA	NLA - Pivot/Slide Tube w/ Plug Button, Black (4" Longer)	1	1
2	D,A	1041526	Pivot/Slide Tube w/ Plug Button Assembly, Chrome	1	1
2	E,A	1041527	Pivot/Slide Tube w/ Plug Button, Black	1	1
2	F,B	1048834	Pivot/Slide Tube w/ Plug Button, Black	1	1
2	F,B	1098906	Pivot/Slide Tube w/ Plug Button, Black (2" Longer)	1	1
2	F,B	1086482	Pivot/Slide Tube w/ Plug Button, Black (4" Longer)	1	1
2	C,F	1100568-NLA	NLA - Pivot/Slide Tube w/ Plug Button, Black	1	1
2	C,F	1100569-NLA	NLA - Pivot/Slide Tube Assembly, Extra Large, Standard Aluminium - 2" Longer, Black	1	1
2	C,F	1100570-NLA	NLA - Pivot/Slide Tube w/ Plug Button, Black (4" Longer)	1	1
2	D,F	1041526	Pivot/Slide Tube w/ Plug Button Assembly, Chrome	1	1
2	E,F	1041527	Pivot/Slide Tube w/ Plug Button, Black	1	1
2	E,F	1086479-NLA	NLA - Pivot/Slide Tube w/ Plug Button, Black (2" Longer)	1	1
2	E,F	1086480-NLA	NLA - Pivot/Slide Tube w/ Plug Button, Black (4" Longer)	1	1
2	G,B	1070762-NLA	NLA - Tube, Pivot/Slide w/ Plug Button, Deluxe Aluminum, Black	1	1
2	C,G	1100571-NLA	NLA - Pivot/Slide Tube w/ Plug Button, Deluxe, Black	1	1
2	E,G	1041525-NLA	NLA - Pivot/Slide Tube w/ Plug Button, Deluxe Aluminum, Black	1	1
3	A	44200X027	Footplate, Aluminum, Medium, Black (7-3/4" W x 6" L)	1	1
3	G	1043659-NLA	NLA - Footplate, Aluminum, Deluxe, Black - Right (8" W x 5-3/4" L)	1	1
3	G	1043660-NLA	NLA - Footplate, Aluminum, Deluxe, Black - Left (8" W x 5-3/4" L)	1	1
3	F	44200X025	Footplate, Aluminum, Extra Large, Black - Right (8" W x 8-1/2" L)	1	1
3	F	44200X026	Footplate, Aluminum, Extra Large, Black - Left (8" W x 8-1/2" L)	1	1
4	A	1016346	Cap, End, Tube, Black (7/8")	1	1
4	F	1027095	Plug Button, Black (7/8")	1	1
5	H,A	1006981	Spring, Tension	1	2
5	G,H	1036120-NLA	NLA - Spring	1	2
5	F,J	1036123	Spring, Leaf	1	1

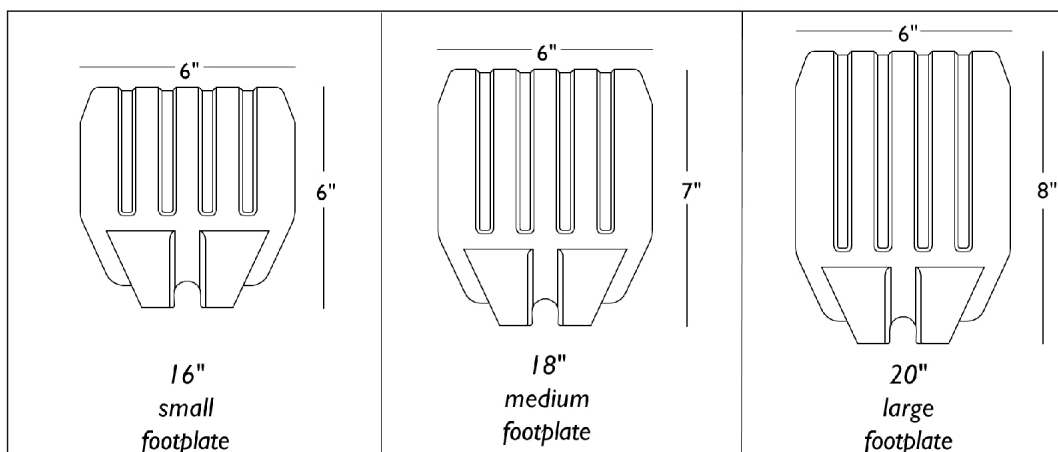
Pivot/ Slide Tube and Standard Aluminum, 1450, 1350 Footplates

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
6	I	7930354-NLA	NLA - Package, Phillips Head Screw (#8-32 x 3/8")	25	1
7		1070168	Plug, Push, Footplate	1	1
NOTE: A - Standard Aluminium Footplate. B - PW93 and PW93E. C - P904. D - PAL4. E - P93M. F - Extra Large Aluminium Footplates. G - Deluxe Aluminium Footplates. H - Takes 2 Per Side. I - Deluxe Takes 1 Per Side. J - 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.					

Pivot/ Slide Tube and Composite Footplates



For complete pivot/slide tube and footplates see Front Riggings Reference Chart page.

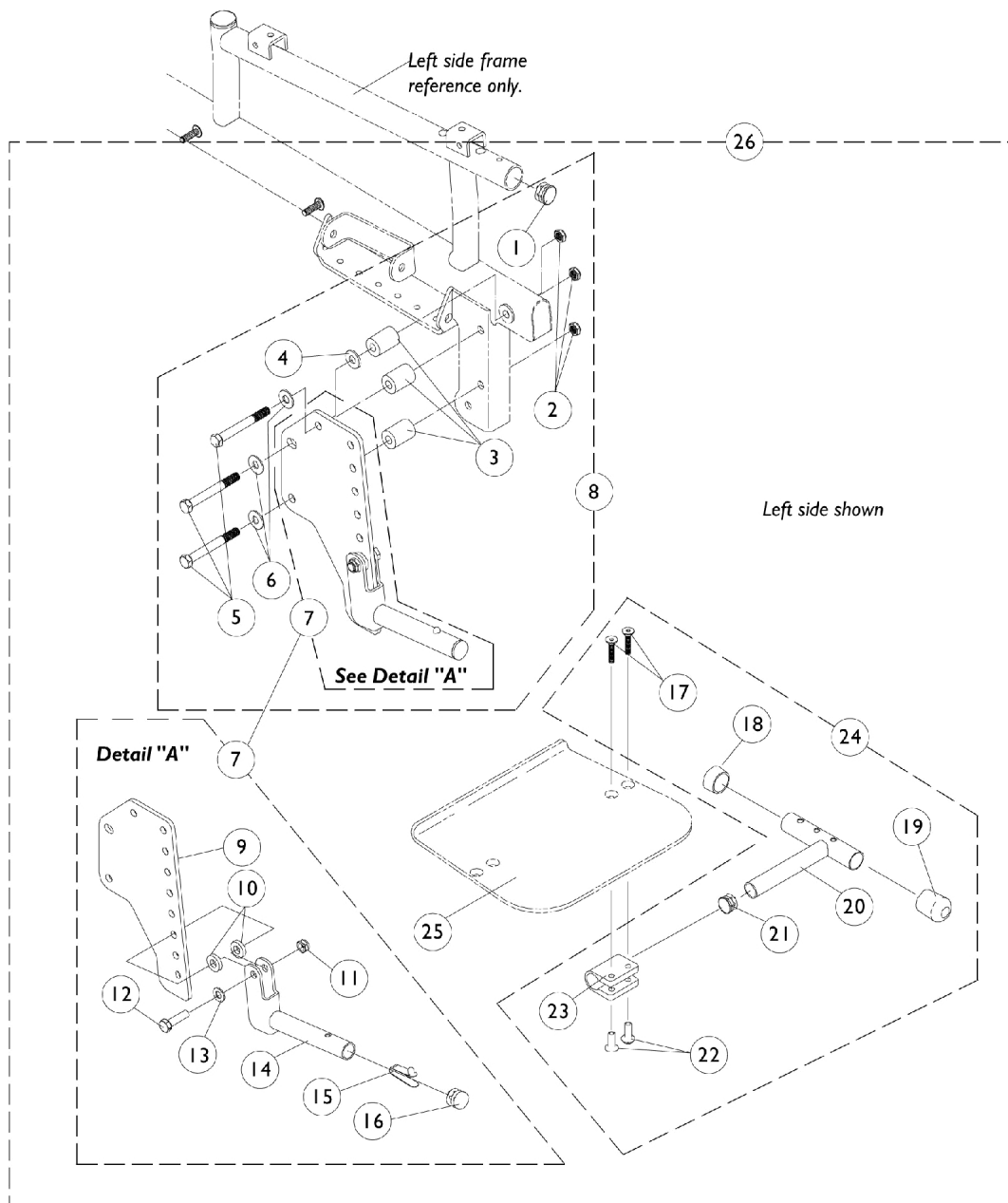


Pivot/ Slide Tube and Composite Footplates

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1057852	Tube, Pivot/Slide, Curved End, Steel, Black (9-7/8")	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	A	1026879	Footplate, Composite, Small, Black (6" W x 6" L)	1	1
6	B	1026880	Footplate, Composite, Medium, Black (7" W x 6" L)	1	1
6	C	1026881	Footplate, Composite, Large, Black (8" W x 6" L)	1	1
NOTE: A - 16" Wide. B - 18" Wide. C - 20" Wide.					

Adjustable Flip-Up Removable Footboard - Before 3/1/2000

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



Adjustable Flip-Up Removable Footboard - Before 3/1/2000

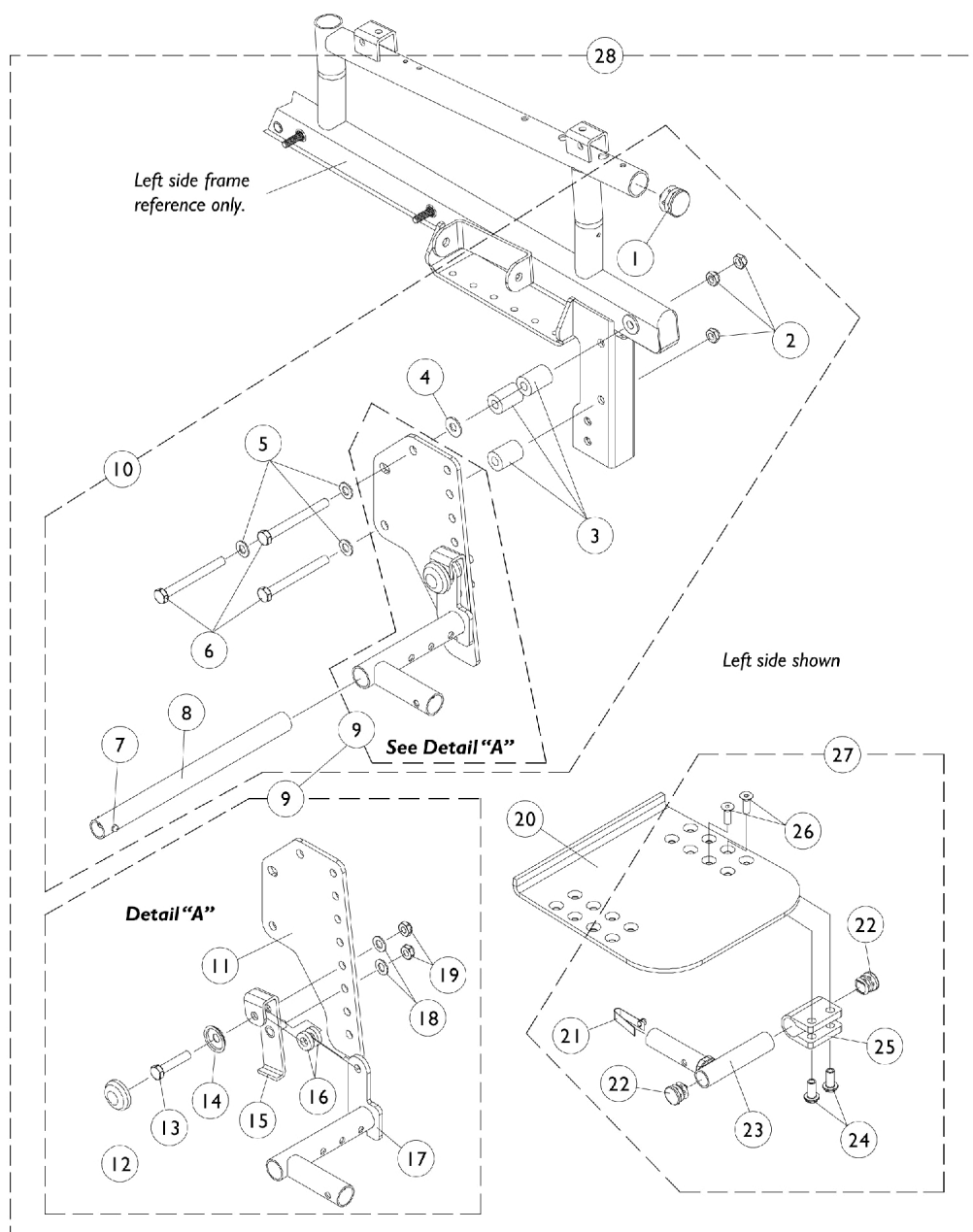
90FBI (Sling Seat) and 90FB (Captain Seat)

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1029501	Plug Button, Black (1")	1	2
2		7930330-NLA	NLA - Locknut (5/16-24)	25	1
3		1074138-NLA	NLA - Spacer (5/16 x 3/4 x 1")	1	6
4		1074133	Washer, Steel (5/16 x 3/4 x 1/16")	1	2
5		1028600-NLA	NLA - Screw, Hex Head (5/16-24 x 3")	1	6
6		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	6
7	H	1074154-NLA	NLA - Footboard Pivot Assembly - Right	1	1
7	H	1074155-NLA	NLA - Footboard Pivot Assembly - Left	1	1
8	I	1074132-NLA	NLA - Footboard Mounting Hardware (Pair)	2	1
9		1074136-NLA	NLA - Bracket, Mounting, Black	1	1
10		1074210-NLA	NLA - Washer, Nylon (23/64 x 3/4 x 5/32")	1	2
11		7930330-NLA	NLA - Locknut (5/16-24)	25	1
12		1070552-NLA	NLA - Screw, Hex Head (5/16-24 x 1-1/8)	1	1
13		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	1
14		1074130-NLA	NLA - Tube, Pivot	1	1
15		40188X009	Button, Single Snap	1	1
16		1027097	Plug Button, Black (3/4")	1	1
17	A	1029545	Screw, Socket Flat Head (1/4-20 x 3/4")	1	2
18		15680X012	Collar, Anti-Rattle (7/8")	1	1
19		1016346	Cap, End, Tube, Black (7/8")	1	1
20		1074137-NLA	NLA - Tube, Footplate Support, Black	1	1
21		1027097	Plug Button, Black (3/4")	1	1
22	A	1082686	Nut, Barrel, Hex Head (1/4-20 x 11/16")	1	2
23	A	1058517	Clamp, Footplate	1	1
24	J	1074131-NLA	NLA - Footboard Assembly Hardware (Per Side)	1	2
25	C	1074129-NLA	NLA - Footboard	1	1
26	B,F	1078192-NLA	NLA - Kit, Footboard w/ Instruction Sheet	1	1
	G,K	1078193-NLA	NLA - Instruction Sheet, Footboard Assembly	1	1
	E,G	1094635	Kit, Footboard Conversion (16" W)	1	1
	D,E,G, L	1094636-NLA	NLA - Kit, Footboard Conversion (18" W) (Including 22" W Captain Seats)	1	1
	E,G	1094637-NLA	NLA - Kit, Footboard Conversion (20" W)	1	1

NOTE: A - Items 17, 22 and 23 must be ordered together for chairs made before 8/10/99 due to a hardware change.
B - Footboard assembly kit before 3/1/00 is NLA. New style footboard assembly must be ordered. Refer to conversion kits listed on this page.
C - Footboard before 3/1/00 is NLA.
D - All Captain seats will use footboards for 18" wide chairs.
E - Footboard assembly conversion kits for chairs made before 3/1/00.
F - Includes items 1-25.
G - Not Shown.
H - Includes items 9-16.
I - Includes items 1-7.
J - Includes items 17-23.
K - Before 3/1/2000.
L - Includes items 9, 19, 26 and Instruction Sheet.

Adjustable Flip-Up Removable Footboard - After 2/29/2000

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



Adjustable Flip-Up Removable Footboard - After 2/29/2000

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

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1029501	Plug Button, Black (1")	1	2
2		7930330-NLA	NLA - Locknut (5/16-24)	25	1
3		1074138-NLA	NLA - Spacer (5/16 x 3/4 x 1")	1	6
4		1074133	Washer, Steel (5/16 x 3/4 x 1/16")	1	2
5		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	6
6		1028600-NLA	NLA - Screw, Hex Head (5/16-24 x 3")	1	6
7		40188X007-NLA	NLA - Button, Spring Double	1	1
8		1095124-NLA	NLA - Support Tube w/ Spring Assembly	1	1
9	C	1094626-NLA	NLA - Footboard Pivot Assembly - Right	1	1
9	C	1094627-NLA	NLA - Footboard Pivot Assembly - Left	1	1
10	D	1094628-NLA	NLA - Footboard Mounting Hardware Assembly (Pair)	1	1
11		1074136-NLA	NLA - Bracket, Mounting, Black	1	1
12		1016291	Cap, Hub, Black	1	1
13		1070398-NLA	NLA - Screw, Hex Head (5/16-18 x 1-1/2")	1	1
14		1028491-NLA	NLA - Washer, Caplugs (11/32" I.D. x 1" O.D.)	1	1
15		1094632-NLA	NLA - Bracket, Stop Pivot Support, Black	1	1
16		1074210-NLA	NLA - Washer, Nylon (23/64 x 3/4 x 5/32")	1	2
17		1094614-NLA	NLA - Bracket, Footboard Receiving, Black - Right	1	1
17		1094615-NLA	NLA - Bracket, Footboard Receiving, Black - Left	1	1
18		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	2
19		1028769	Locknut (5/16-18)	1	2
20		1097175-NLA	NLA - Footboard, Black (16" W)	1	1
20	A	1094613-NLA	NLA - Footboard, Black (18" W)	1	1
20		1094634-NLA	NLA - Footboard, Black (20" W)	1	1
21		40188X009	Button, Single Snap	1	2
22		1027097	Plug Button, Black (3/4")	1	4
23		1094611-NLA	NLA - Support Tube w/ Snap Tube, Black	1	2
24		1082686	Nut, Barrel, Hex Head (1/4-20 x 11/16")	1	4
25		1058517	Clamp, Footplate	1	2
26		1029545	Screw, Socket Flat Head (1/4-20 x 3/4")	1	4
27	E	1094629-NLA	NLA - Hardware, Footboard (Pair)	2	1
28	F	1094635	Kit, Footboard Conversion (16" W)	1	1
28	A,F,G	1094636-NLA	NLA - Kit, Footboard Conversion (18" W) (Including 22" W Captain Seats)	1	1
28	F	1094637-NLA	NLA - Kit, Footboard Conversion (20" W)	1	1
	B	1095125-NLA	NLA - Instruction Sheet, Footboard Assembly	1	1

Adjustable Flip-Up Removable Footboard - After 2/29/2000 90FBI (Sling Seat) and 90FB (Captain Seat)

NOTE: A - All Captain seats will use footboards for 18" wide chairs.
B - Not Shown.
C - Includes items 11-19.
D - Includes items 1-6, 8 and 9.
E - Includes items 21-26 (pair).
F - Includes items 10, 20 and 27.
G - Including 22" Wide Captain Seats.

Footrest and Legrest Accessories

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
	G,I	1026987	Guard, Impact (8" L)	1	1
	G,H	1143050	Non-Removable Device, Footrest/Legrest (1820)	1	1
			NLA - Non-Removable Device, Footrest-Legrest	1	1
			Carton	1	1
		1032002	Strap, "H" Heel	1	1
		1035902	Strap, Calf w/ Hook and Loop (31" L)	1	1
	A,B,C	8881006725-NL A	NLA - Panel, Legrest	1	1
	A,B,D	8881006726	Panel, Legrest	1	1
	A,B,E	8881006727-NL A	nla - Panel, Legrest	1	1
	A,C,F	8881035816-NL A	NLA - Panel, Legrest	1	1
	A,D,F	8881035817-NL A	NLA - Panel, Legrest	1	1
	A,E,F	8881035818-NL A	NLA - Panel, Legrest	1	1
	G	See Chart	Heel Loops and Attaching Hardware	1	1
	G	See Chart	Heel Loop Attaching Hardware	1	1
	G	See Chart	Toe Loops and Attaching Hardware	1	1
	G	See Chart	Toe Loop Attaching Hardware	1	1
NOTE: A - Specify color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options." B - PW93E. C - 16" Wide. D - 18" Wide. E - 20" Wide. F - P904A and PAL4A. G - Not Shown. H - Includes items Device, Non-Removable and Carton. I - For 70 deg. Tapered Footrest.					

Heel Loops and Attaching Hardware

Footplate Type	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 (1651) Small 16" Wide Tapered	1028412-NLA	1035912-NLA	1035908-NLA	1035909-NLA	1035906	1035931
Composite (1651) Medium 16" Wide (18" Wide Tapered)	1017621	1035917-NLA	1035919	1035920	1035906	1035931

Footrest and Legrest Accessories

Heel Loops and Attaching Hardware

Footplate Type	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 (1651) Large 18-20" Wide (20" Wide Tapered)	1017621	1035917-NLA	1035932-NLA	1035933-NLA	1035930	1035931
Standard Aluminum (1650) 16-20" Wide	1017621	1035917-NLA	1035919	1035920	1035918	1035907
Deluxe Aluminum (1450) 16-20" Wide	1017621	1035917-NLA	1035919	1035920	1035918	1086112-NLA
Extra Large Aluminum (1350) 16-20" Wide	1017621	1035917-NLA	1035919	1035920	1035918	1055241

Heel Loop Attaching Hardware

Part Number
1035931
Kit Includes: (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")
1055241
Kit Includes: 2 ea. Screw, Phillips Pan Head (1/4-20 x 2-1/4") 2 ea. Spacer (1/4 x 11/32 x 1-3/4") 2 ea. Locknut (1/4-20)

Footrest and Legrest Accessories

Toe Loops

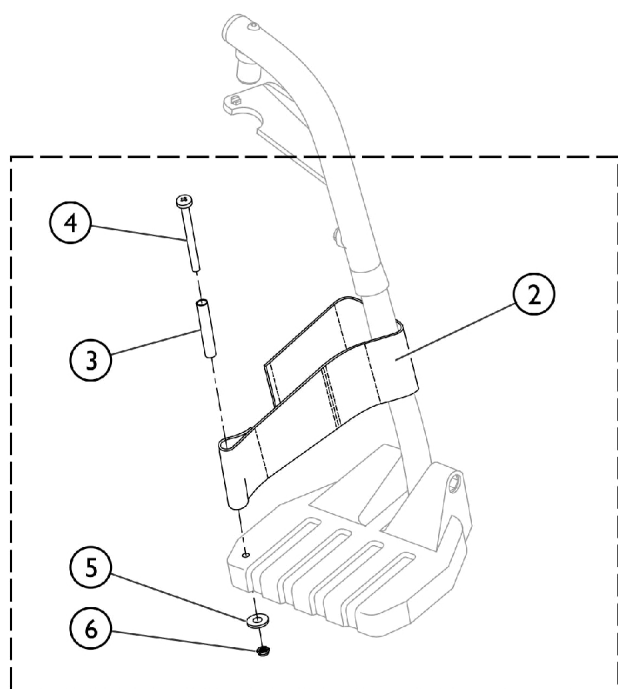
Toe Loops (1345)	Toe Loop Single #	Toe Loop Pair #	Attaching Hardware Pair #
All Sizes	04572X025	1037087	1037089

Footrest and Legrest Accessories

Toe Loop Attaching Hardware

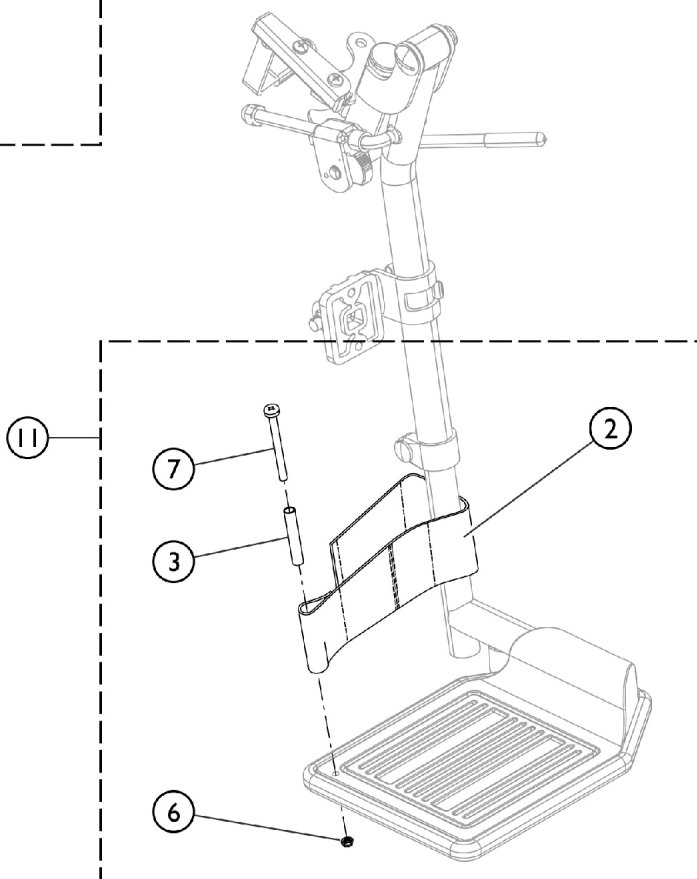
Part Number
1037089
Kit Includes: (2) Screw, Phillips Pan Head (10-32 x 7/8") (2) Washer (1/4 x 3/4 x 3/32") (2) Locknut (10-32)

Front Riggings - Adjustable Heel Loops



I Heel Loop and Hardware for All Footplate Options (Except Deluxe I450)

II Heel Loop and Hardware for Deluxe (I450) Footplates



SCM_058A

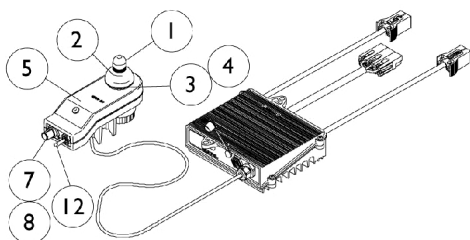
Front Riggings - Adjustable Heel Loops

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.

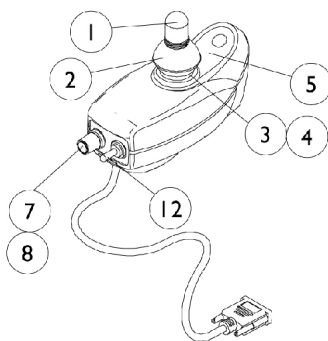
MKIV Joysticks

RII, RX, A, A+, TCHJOY

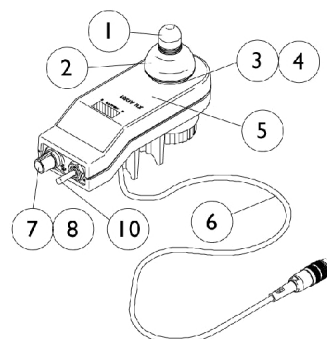


1080723NLA
RII Joystick/Controller
Before 5/1/00

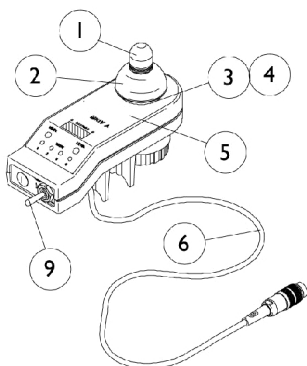
✱ For chairs made before 5/1/00,
the following must be ordered:
RII Joystick part # (1092610)
RII Retro Controller part # (1095269)
Remote Programmer part # (1109091)



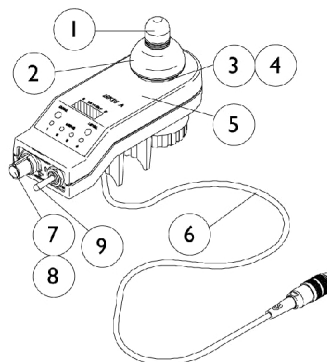
1092610
RII Joystick
After 4/30/00



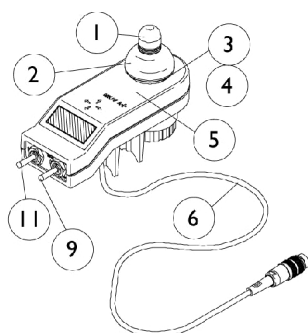
1038603
RX Joystick



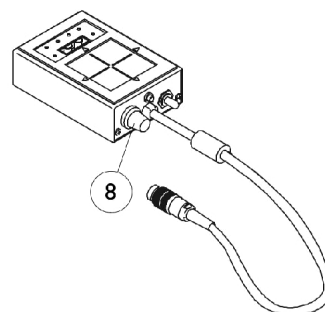
1038604
A Joystick
Before 9/1/96



1065944
A Joystick
After 8/31/96



1038608
A+ Joystick



1095289
TCHJOY
Touchpad "A"
Joystick

MKIV Joysticks

RII, RX, A, A+, TCHJOY

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1-12	B	See Chart	Item#s 1-12 RII, RX, A, A+, TCHJOY	1	1
	A,C	1080723-NLA	NLA - Joystick/Controller, MKIV RII	1	1
	B	1095269-NLA	NLA - Controller, MKIV RII, Retro	1	1
	B	1109091-NLA	NLA - Programmer, Remote	1	1
NOTE: A - For chairs made before 5/1/00, the following must be ordered, RII Joystick #1092610, RII Retro Controller #1095269 and Remote Programmer #1109091. B - Not Shown. C - For joystick inductive and switch components, refer to chart under RII joystick assembly #1092610.					

Item Number	Description	RII	RX	A Before 9/1/96	A After 8/31/96	A+	TCHJOY
See Pictorial	Joystick Assembly	1092610-NLA	1038603-NLA	1038604-NLA	1065944-NLA	1038608-NLA	1095289-NLA
1	Knob, Joystick	1040217	1040217	1040217	1040217	1040217	N/A
2	Skirt, Joystick	1040218	1040218	1040218	1040218	1040218	N/A
3	Inductive, Joystick	1036764-NLA See Note(s) E, B	1036764-NLA See Note(s) C, E	1036764-NLA See Note(s) B, E	1036764-NLA See Note(s) E, C	1036764-NLA See Note(s) B, E	N/A
3	Inductive, Joystick	N/A	1104397-NLA See Note(s) E, D	N/A	1104397-NLA See Note(s) D, E	N/A	N/A
4	Boot, Joystick	50000X364-NLA	50000X364-NLA	50000X364-NLA	50000X364-NLA	50000X364-NLA	N/A
5	Overlay, Joystick Decal	1049692-NLA See Note(s) A	1038642-NLA	1040190-NLA	1040190-NLA	1036776-NLA	N/A
6	Cable Assembly	N/A See Note(s) A	1036750-NLA See Note(s) C	1036750-NLA See Note(s) B	1036750-NLA See Note(s) C	1036750-NLA See Note(s) B	N/A
6	Cable Assembly	N/A	1104205-NLA See Note(s) D	N/A	1104205-NLA See Note(s) D	N/A	N/A
7	Speed Potentiometer	1040225-NLA See Note(s) B	1040225-NLA See Note(s) C	N/A	1040225-NLA See Note(s) C	N/A	N/A
7	Speed Potentiometer	N/A	1115518-NLA See Note(s) D	N/A	1115518-NLA See Note(s) D	N/A	N/A
8	Knob, Potentiometer	1025516-NLA	1025516-NLA	N/A	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) C	1040185-NLA See Note(s) B	N/A
9	Switch, On/Off Momentary	N/A	N/A	N/A	1115523-NLA See Note(s) D	N/A	N/A

MKIV Joysticks

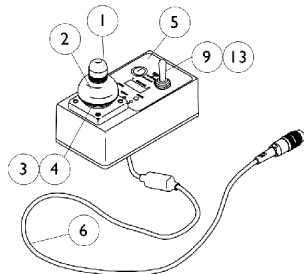
RII, RX, A, A+, TCHJOY

Item Number	Description	RII	RX	A Before 9/1/96	A After 8/31/96	A+	TCHJOY
10	Switch, Off/ 1-2	N/A	1038627-NLA See Note(s) C	N/A	N/A	N/A	N/A
10	Switch, Off/ 1-2	N/A	1115521-NLA See Note(s) D	N/A	N/A	N/A	N/A
11	Switch, Program	N/A	N/A	N/A	N/A	1040186-NLA See Note(s) B	N/A
12	Switch, Toggle SPDT	1010042-NLA See Note(s) B	N/A	N/A	N/A	N/A	N/A
NOTE: A - Cable assembly and joystick overlay decal for RII joystick before 10/01/02 and after 9/30/02 are not available. B - Item requires soldering. C - Before 10/01/02 item requires soldering. D - After 9/30/02 item has a non-solder connector. E - The Dynamic Inductive Shaft will have a hole drilled 1/4" down from the top. Flightlink doesn't have this feature.							

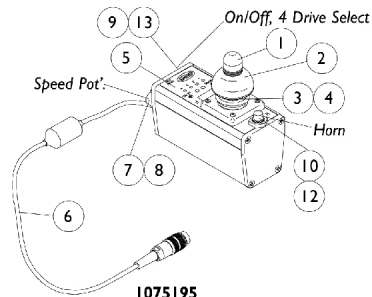
MKIV Joysticks

PS, PSF and PSR

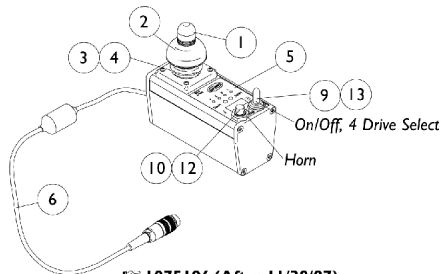
NOTE: PSR STANDARD joystick configuration below show the on/off switch on the left side for part # 1075196. When the on/off switch is required on the right side, refer to part number 8881075196 and order as a configured part.



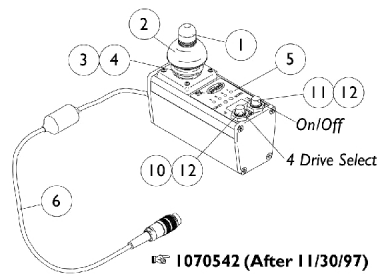
**1058468 NLA
PS Joystick
(Before 12/1/97)**



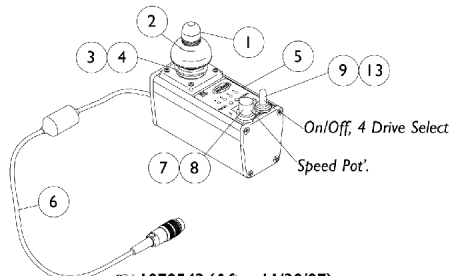
**1075195
PSF Joystick
(After 11/30/97)**



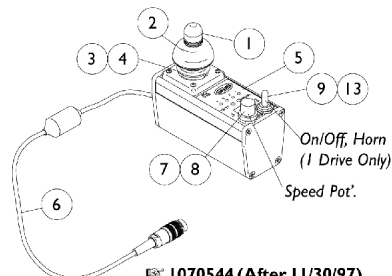
**1075196 (After 11/30/97)
PSR Joystick
ON CHAIR: STANDARD**



**1070542 (After 11/30/97)
PSR Joystick without Horn
ON CHAIR: PBOD/OL**



**1070543 (After 11/30/97)
PSR Joystick without Horn
ON CHAIR: RHSS/OL**



**1070544 (After 11/30/97)
PSR Joystick
ON CHAIR: TOHSS/OL**

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

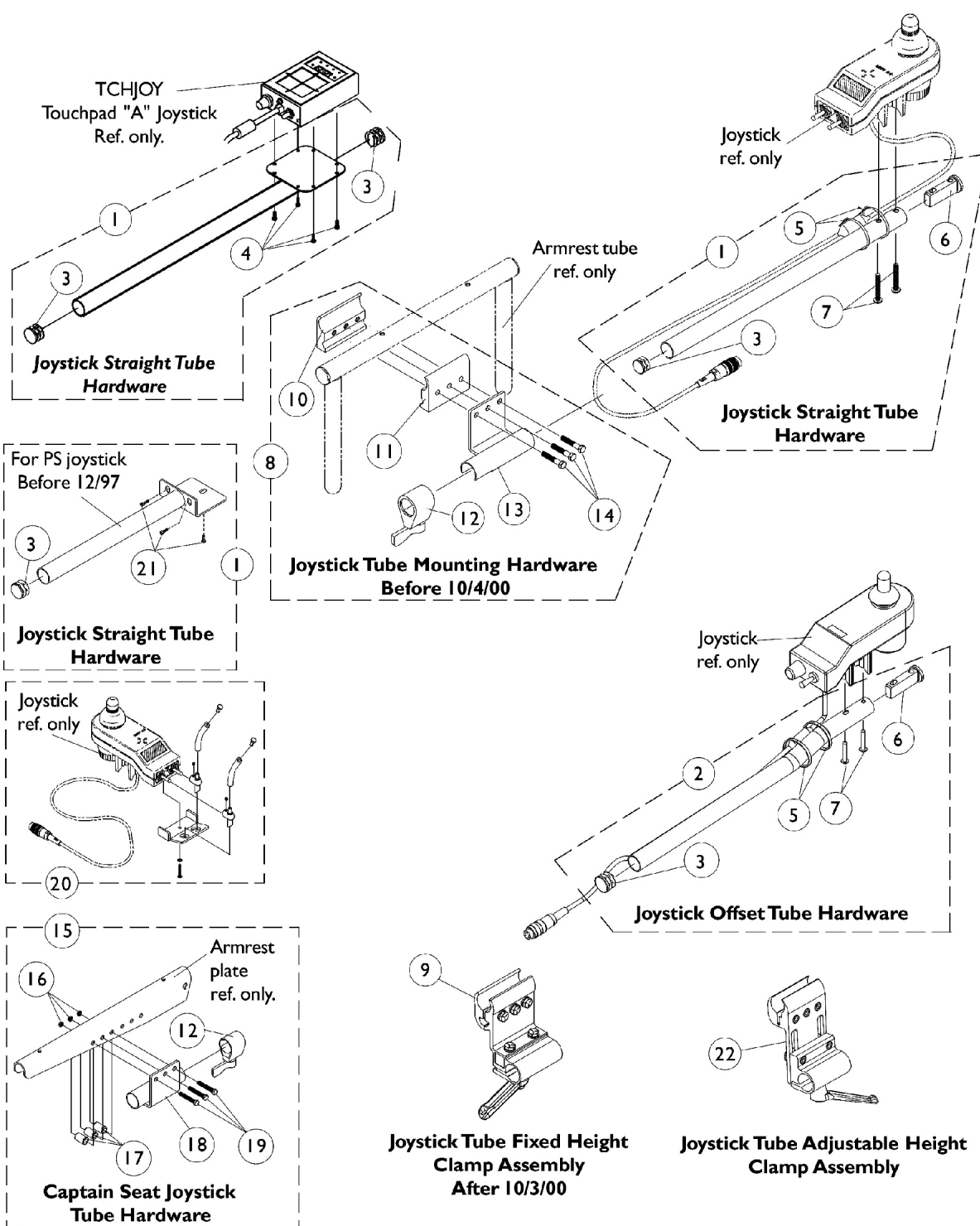
PS, PSF and PSR

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	PS Before 12/1/97	PSF After 11/30/97	PSR After 11/30/97
See Pictorial	Joystick Assembly	N/A	N/A	1075196-NLA
See Pictorial	Joystick Assembly	1058468-NLA	1075195-NLA	8881075196
See Pictorial	Joystick Assembly	N/A	N/A	1070542-NLA
See Pictorial	Joystick Assembly	N/A	N/A	1070543-NLA
See Pictorial	Joystick Assembly	N/A	N/A	1070544-NLA
1	Knob, Joystick	1040217	1040217	1040217
2	Skirt, Joystick	1040218	1040218	1040218
3	Inductive, Joystick	1036764-NLA See Note(s) A	1036764-NLA See Note(s) A	1036764-NLA See Note(s) A
4	Boot, Joystick	50000X364-NLA	50000X364-NLA	50000X364-NLA
5	Overlay, Joystick Decal	1058460-NLA	1075034-NLA	1079925-NLA
6	Cable Assembly	1036750-NLA	1036750-NLA	1036750-NLA
7	Speed Potentiometer	N/A	1040225-NLA	1040225-NLA
8	Knob, Potentiometer	N/A	1025516-NLA	1025516-NLA
9	Switch, On/Off Momentary	1040185-NLA	1040185-NLA	1040185-NLA
10	Switch, Push Button SPST Momentary	N/A	1010047-NLA	1010047-NLA
11	Switch, Push Button SPST	N/A	N/A	1010048-NLA
12	Boot, Switch	N/A	1010049-NLA	1010049-NLA
13	Boot, Switch	1058464-NLA	1058464-NLA	1058464-NLA

NOTE: A - The Dynamic Inductive Shaft will have a hole drilled 1/4" down from the top. Flightlink doesn't have this feature.

MKIV Joystick Mounting Hardware and Joystick Accessories



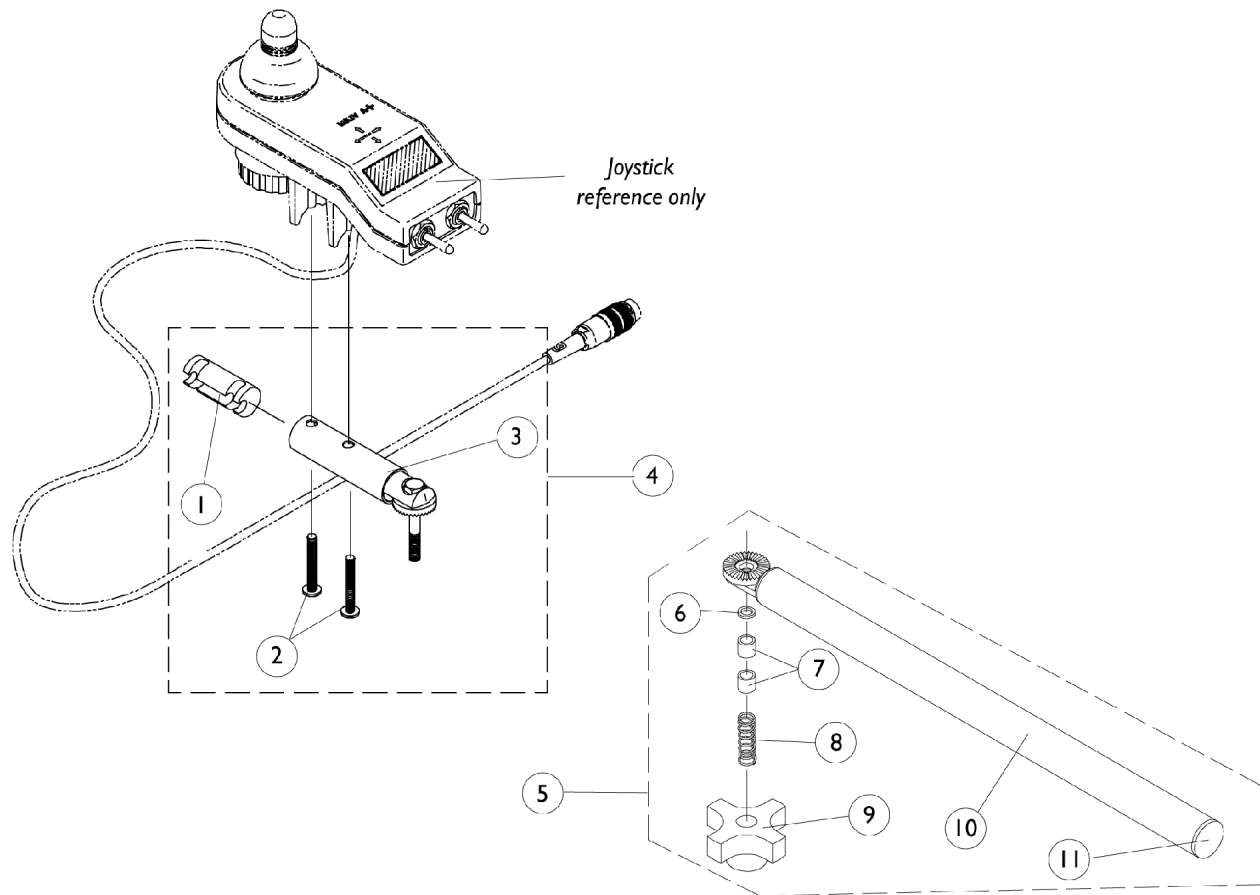
MKIV Joystick Mounting Hardware and Joystick Accessories

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	I	1052719-NLA	NLA - Kit, Straight Joystick Tube with Hardware	1	1
1	B,M	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		7930339-NLA	NLA - Package, Screw, Phillips Pan Head (#4-40 x 3/8")	25	1
5	F	1095502-NLA	NLA - Package, Tie Wrap (11-1/2" L)	10	2
6		1093063	Spacer, Joystick Tube, Black	1	1
7		7930327-NLA	NLA - Package, Screw, Phillips Pan Head (#10-32 x 1-1/8")	25	1
8	C,G,J	1049591-NLA	NLA - Hardware, Joystick Tube Mounting	1	1
9	E,K,L,L 1	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		7930349-NLA	NLA - Screw, Hex Head (1/4-20 x 1-1/8")	25	1
15	H,L,N	1105050-NLA	NLA - Kit, Joystick Tube Mounting Hardware - Captain/ Van Seat	1	1
16		7930323-NLA	NLA - Package, Locknut (1/4-20)	25	1
17		1101524-NLA	NLA - Spacer (1/4 x 7/16 x 5/8")	1	3
18	N	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		1016401-NLA	NLA - Screw, Phillips Round Head (#10-32 x 3/8")	1	3
22		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

MKIV Joystick Mounting Hardware and Joystick Accessories

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.
I - Includes items 3 and 21.
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.
M - TCHJOY Touchpad "A" Joystick.
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

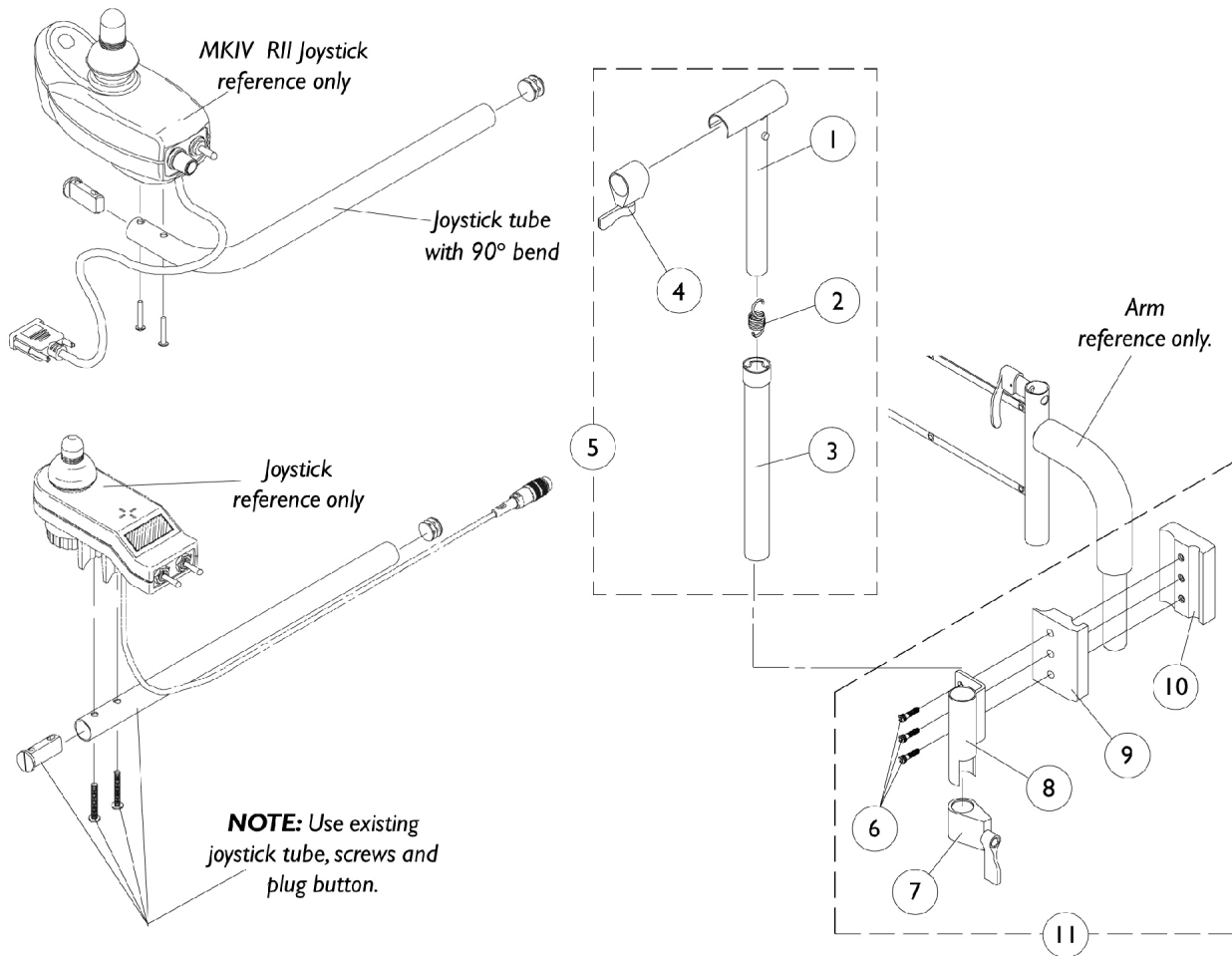


MKIV Swivel Joystick Hardware

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	1
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 #1092610) are used. Joystick Tube with 90 degree bend must be ordered as a special when a replacement is needed.



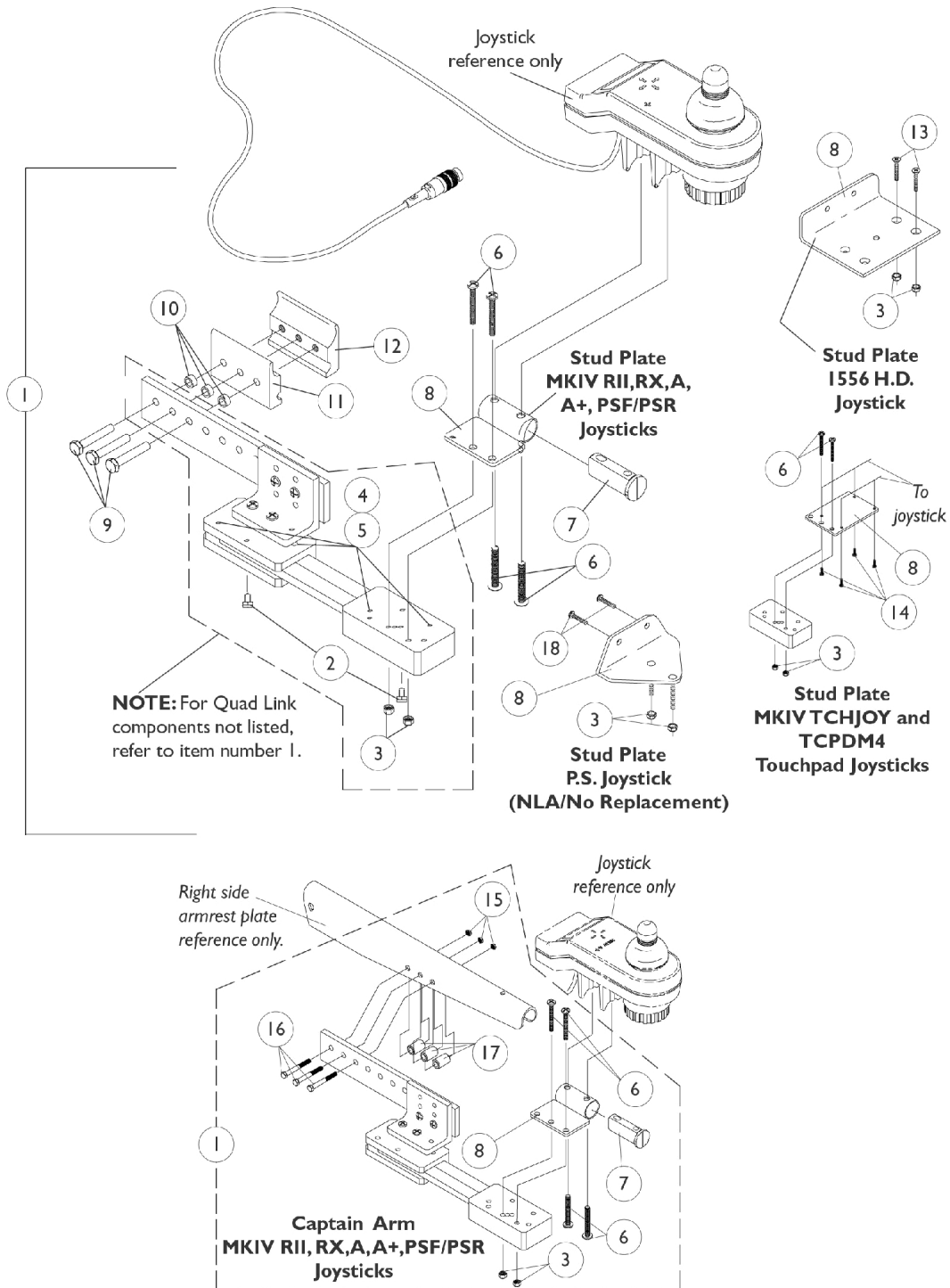
MKIV Mid-Line Swing Bracket Assembly

NOTE: Joystick tube with 90 degree bend replaces the standard tube when joysticks PSF, PSR and (RII #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	A	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		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	1
7		1027274	Adjustment Lock Assemnbly, Black	1	1
8		1049582-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	B	1049591-NLA	NLA - Hardware, Joystick Tube Mounting	1	1
NOTE: A - Includes items 1-4. B - Includes items 6-10.					

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	A	1115372-NLA	Half Clamp, Non-Threaded Holes	1	1
12			NLA - Half Clamp, Threaded Holes	1	1
1			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	B,F	1034703-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
1			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	B	1114866-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 - 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	D	1074153-NLA	Half Clamp, Non-Threaded Holes	1	1
12			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
1	E	1106191-NLA	NLA - Kit, Quad Link Assembly - Right For PS joystick	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			NLA - Plate, Stud, Quad Link P.S. 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

Quad Link Assembly

Before 4/07/06

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
18			Screw, Phillips Pan Head (#10-32 x 11/16")	1	2
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. For left side mounted Quad Link, order as a special. D - Includes the Quad Link, items 2-8, 15-17 and used with MKIV RII, RX, A, A+, PSF/PSR joysticks for Van Seats. For left side mounted Quad Link, order as a special. E - Includes the Quad Link, items 2-5, 8-12, 18 and used with a PS joystick. F - 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)

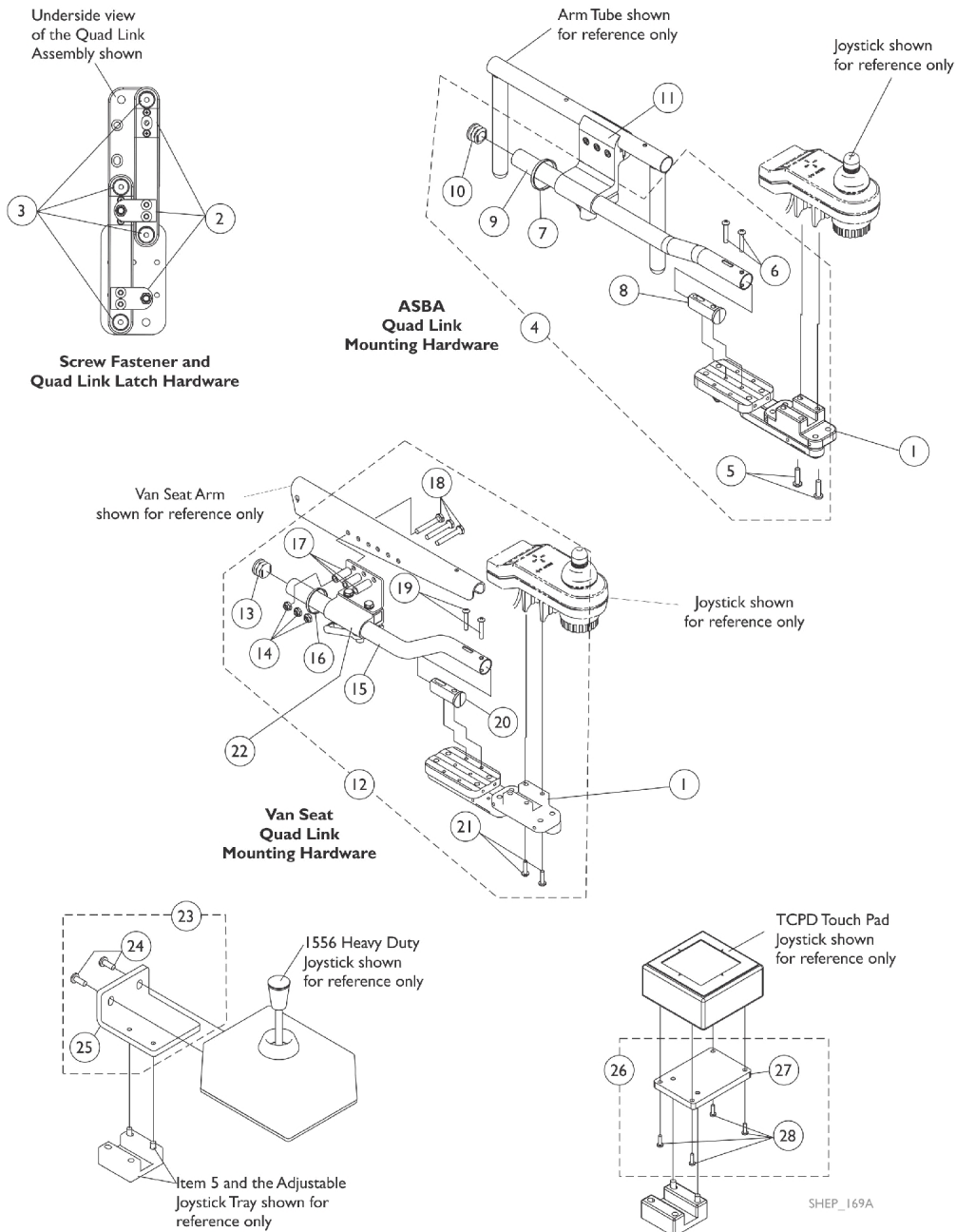
After 4/06/06

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:

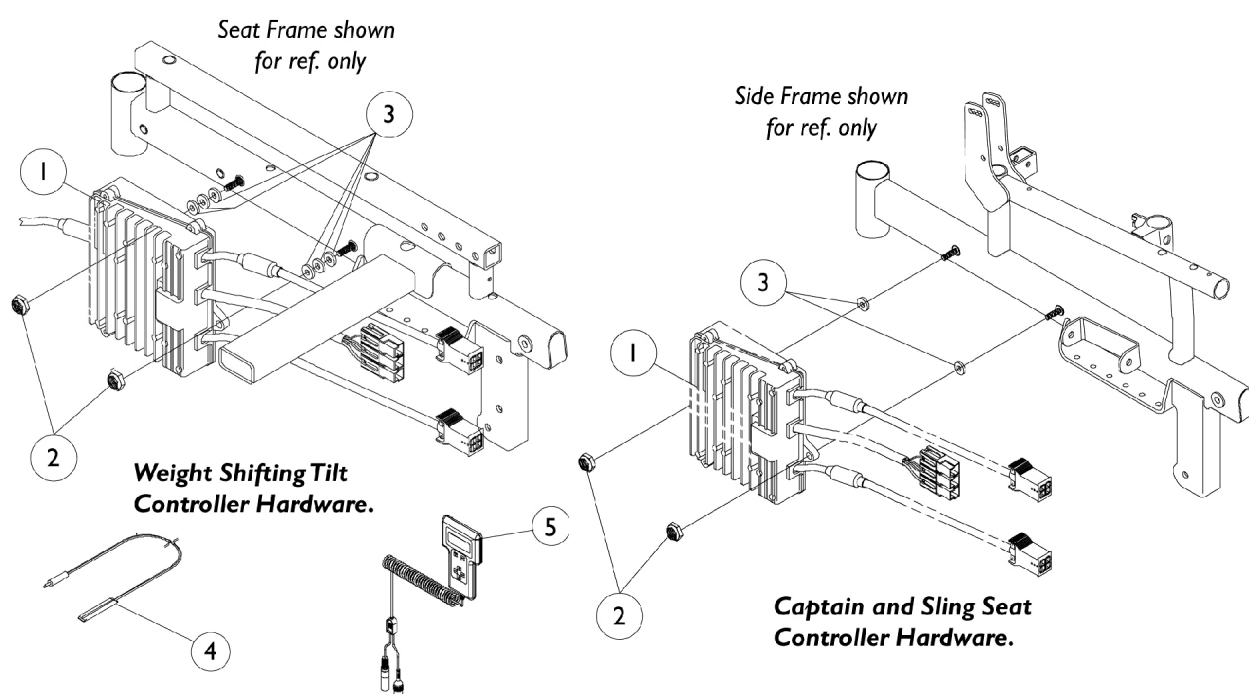
a) ASBA Seat; Quad Link Mtg. Hdwr. (item 4), Quad Link (item 1) & Ht. Adj. Joystick Tube Clamp (item 11)

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 3/31/06, 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.

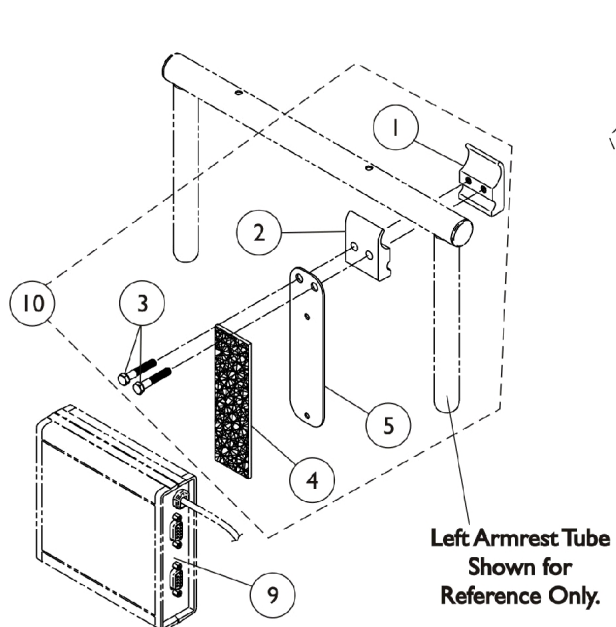
MKIV Controller, Programmer and Attaching Hardware



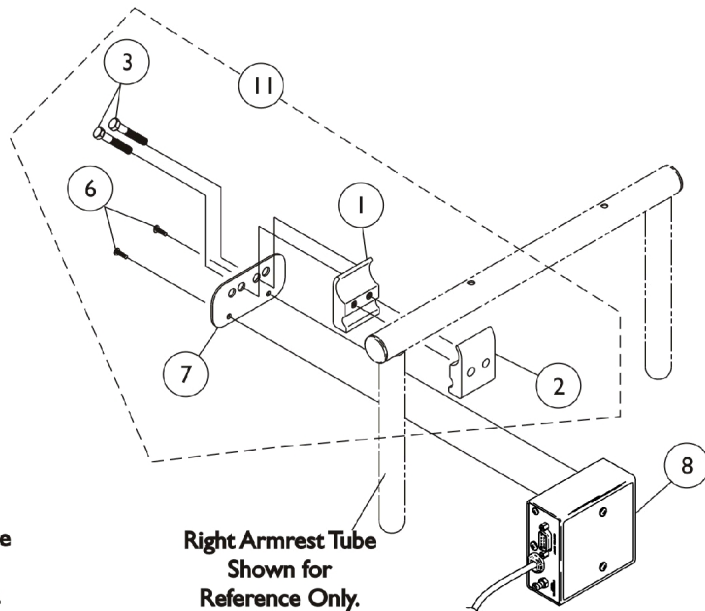
MKIV Controller, Programmer and Attaching Hardware

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1105707-NLA	NLA - Controller, MKIV Quad Pulse	1	1
1	B,D	1095269-NLA	NLA - Controller, MKIV RII, Retro	1	1
2		7930323-NLA	NLA - Package, Locknut (1/4-20)	25	1
3	E	1018739	Washer (1/4 x 5/8 x 3/32")	1	2
3		1020818	Switch, Red Flex Ribbon (Tape) Reset	1	1
3	G	1123276	Kit, Switch, Black Egg Reset w/ Hook/Loop Adhesive Back Fastener & Attaching Screws (EGSBLK)	1	1
3	F	1018739	Washer (1/4 x 5/8 x 3/32")	1	6
4	A	1109091-NLA	NLA - Programmer, Remote	1	1
5	C	1064404-NLA	NLA - Virtual Service Modem Kit	1	1
	C	1095204-NLA	NLA - Cable, Virtual Service, Charger/Modem	1	1
	C	1091631-NLA	NLA - Virtual Service Software Kit	1	1
	C	1091980-NLA	NLA - Disk, 3.5 H.D. Floppy with V.S. Software	1	1
	C	1091637-NLA	NLA - Adaptor, Null Modem	1	1
	C	1091636-NLA	NLA - Service Manual - V.S. Software Kit	1	1
	C	1095204-NLA	NLA - Cable, Virtual Service, Charger/Modem	1	1
	C	1046117-NLA	NLA - Printer and Interface	1	1
	C	1026572-NLA	NLA - Paper, Printer	1	1
	C	1027280-NLA	NLA - Harness, Printer Wiring	1	1
NOTE: A - Remote programmer #1109091 with the dual connectors (3-pin and 5-pin) is the only programmer functionable with the new RII joystick #1092610. B - RII retro controller after 4/30/00 and new RII joystick #1092610 serve as direct replacements for Joystick/Controller #1080723. C - Not Shown. D - After 4/30/00. E - Non-Weight Shifting Tilt. F - Weight Shifting Tilt. G - 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 ON CHAIR
1038639 1086241 OFF CHAIR

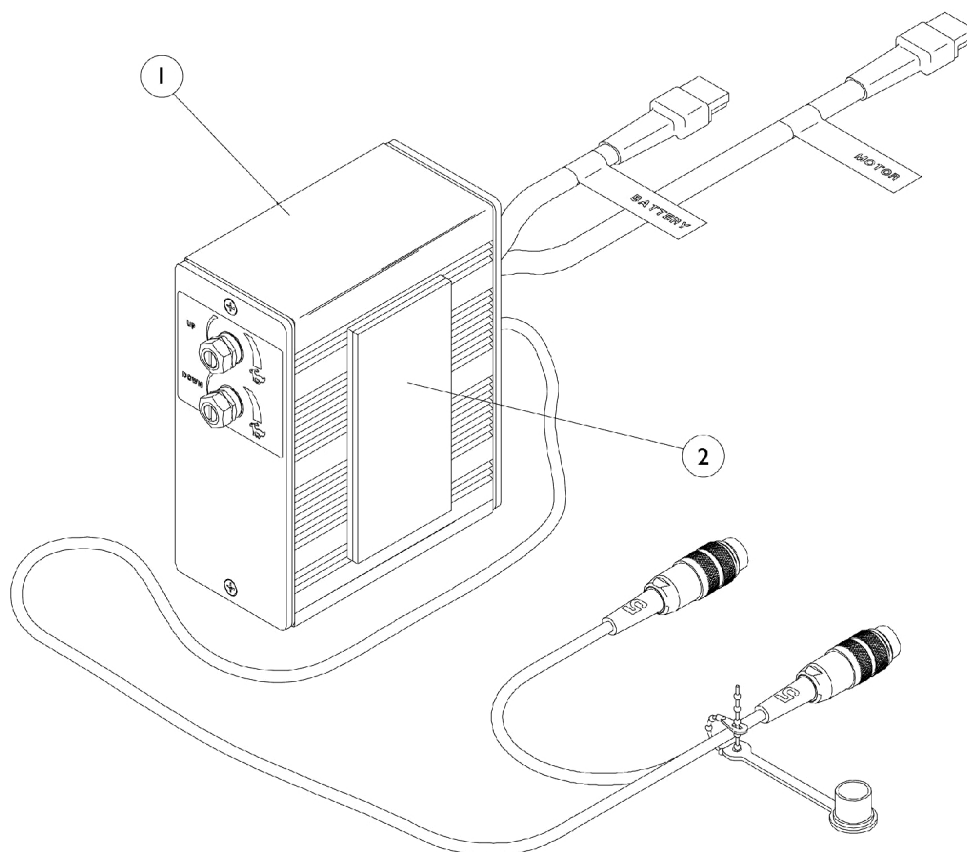


SNPM4 ON CHAIR
1038635 OFF CHAIR

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.					

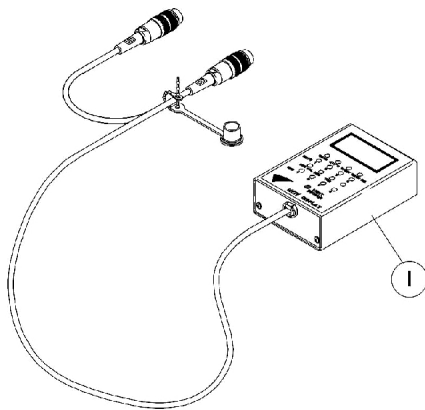
MKIV Recliner Control and Recliner Cable



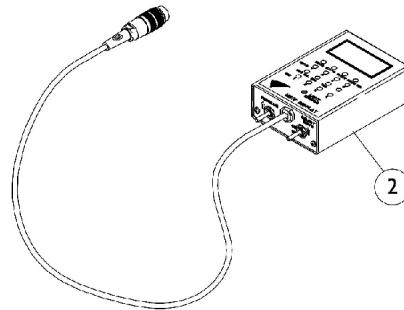
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1054376-NLA	NLA - Control, Recliner	1	1
2		1095501-NLA	NLA - Fastener, Dual Lock Hook and Loop Adhesive (2" W x 12" L)	1	1
	A	1005151-NLA	NLA - Cable, Recliner	1	1

NOTE: A - Not Shown.

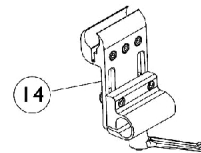
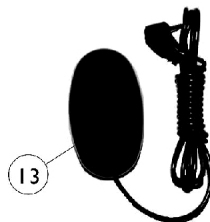
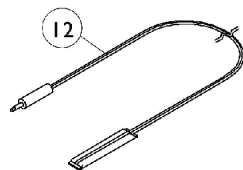
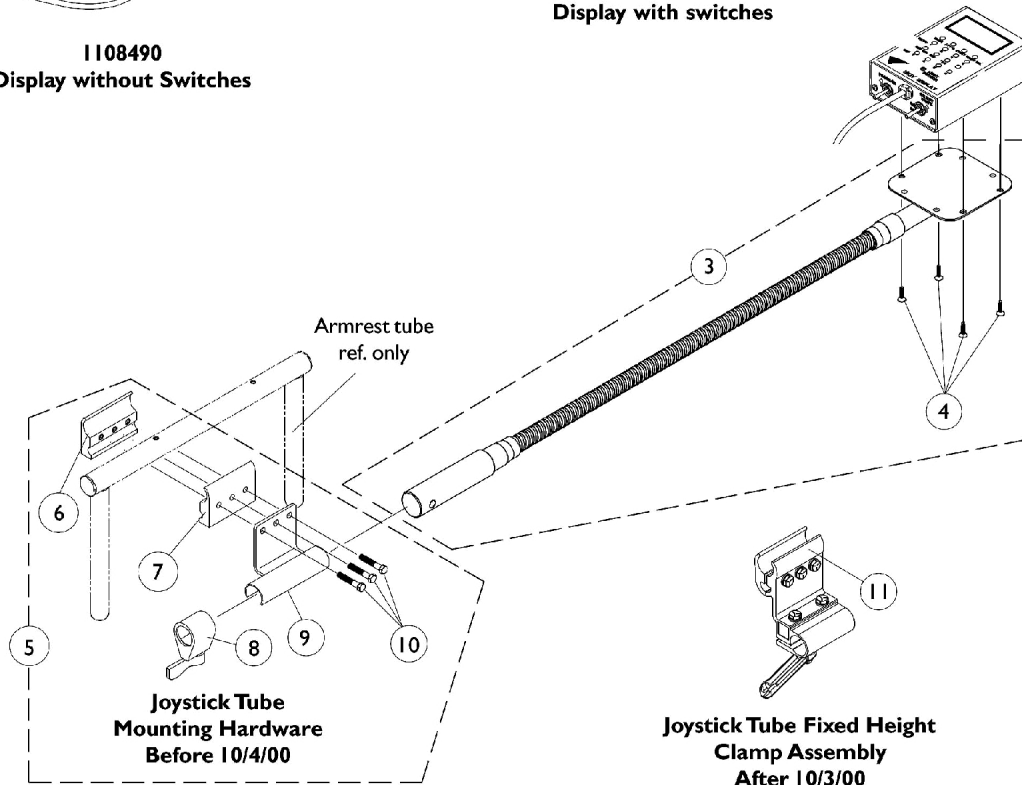
MKIV Displays



I108490
Display without Switches



I108489
Display with switches

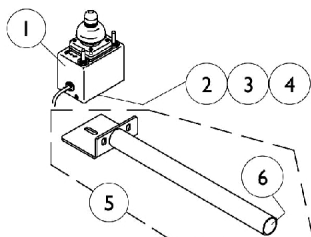


MKIV Displays

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 Assemnbly, 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					

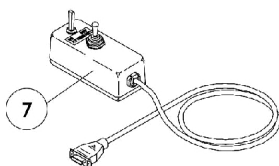
MKIV Joystick Options

REMOTE JOYSTICK



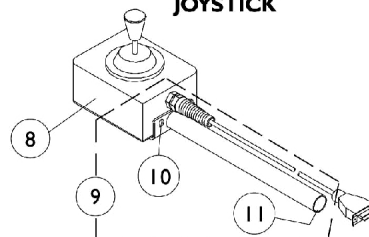
ON CHAIR: 1555M4
OFF CHAIR: 1038634
Used with display w/o switches
1108490

ATTENDANT CONTROL JOYSTICK



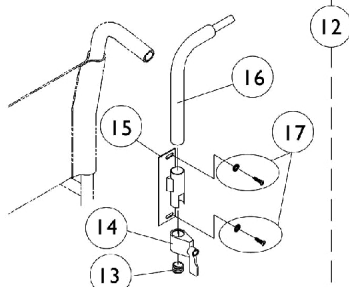
ON CHAIR: 1552M4
OFF CHAIR: 1025590

HEAVY DUTY JOYSTICK



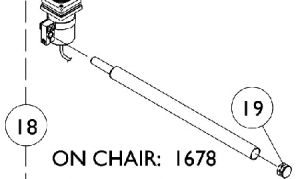
ON CHAIR: 1556M4
OFF CHAIR: 1041544
Used with display w/ switches
1108489

REAR CANE MOUNT



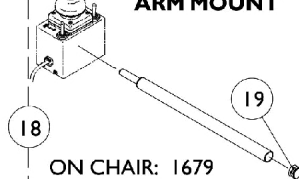
ON CHAIR: 1673

ARM MOUNT



ON CHAIR: 1678

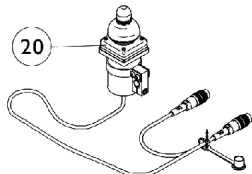
ARM MOUNT



ON CHAIR: 1679

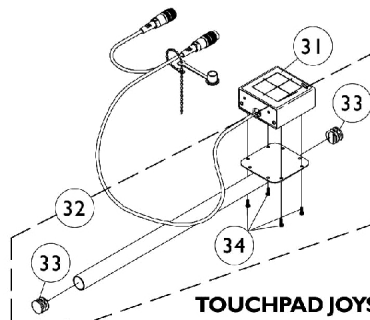
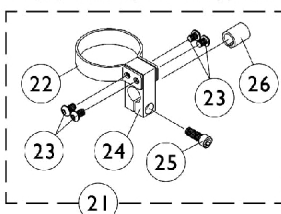
NOTE: Arm mounting tube shown above and additional arm mounting hardware are shipped when the On-Chair model number 1678 or 1679 is ordered.

DUAL/COMPACT JOYSTICK W/ MTG. HARDWARE



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

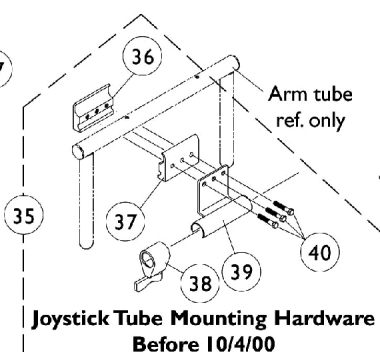
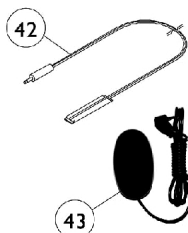
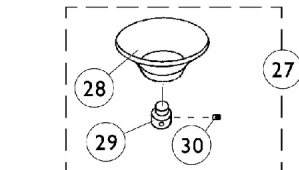
DUAL/COMPACT JOYSTICK MOUNTING HARDWARE



TOUCHPAD JOYSTICK

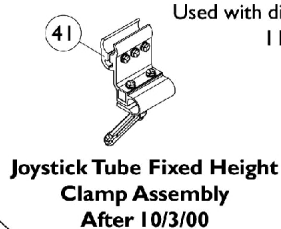
ON CHAIR: TCPDM4
OFF CHAIR: 1091353

Used with display w/ switches
1108489

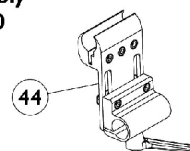


Joystick Tube Mounting Hardware
Before 10/4/00

★ Reset Switch may be required.



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



Joystick Tube Adjustable Height
Clamp Assembly

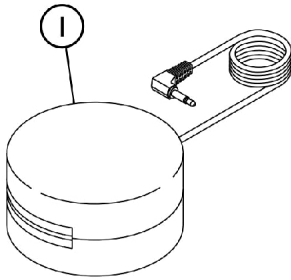
MKIV Joystick Options

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

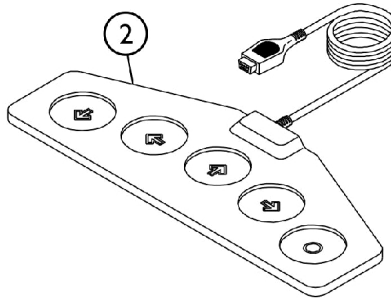
MKIV Joystick Options

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.					

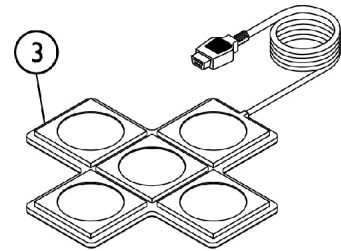
Tash and Therafin Accessories



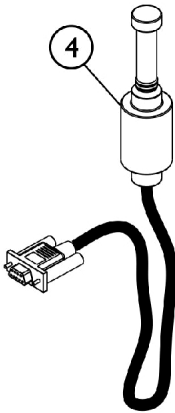
P5820 Red Soft Switch
P5821 Green Soft Switch



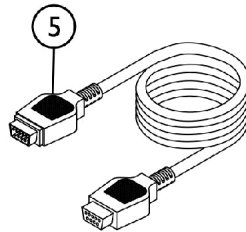
P5018 Wafer Board



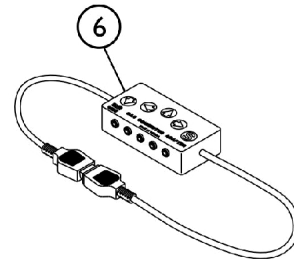
P5026 Star Control



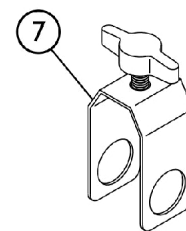
P5020 Mini Joystick with Push



P4337 Multi-Ability Cable



P4353-CA5 Multi-Connector Box



P5970 "U" Clamp

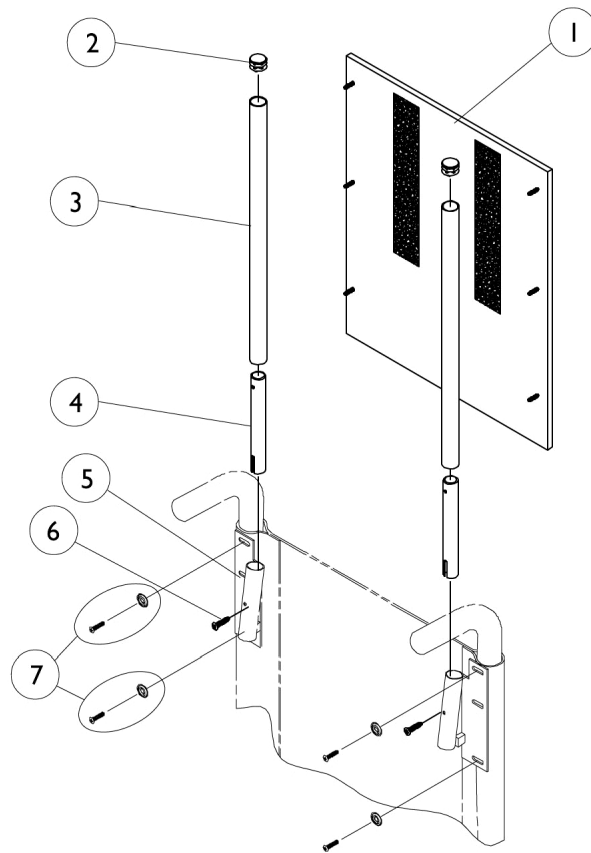
SHEP_090A

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.					

Headrest and Attaching Hardware

Sling Seat Only



#1 Headrest Upholstery

Width	Nylon	Vinyl
16" Wide	8881052588-NLA	8881054638-NLA See Note(s) A
18" Wide	8881052590-NLA	8881054637-NLA See Note(s) A
20" Wide	8881052592-NLA	8881054639-NLA See Note(s) A

NOTE: A - Specify upholstery color when ordering. See category titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."

Headrest and Attaching Hardware Sling Seat Only

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		See Chart	#1 Headrest Upholstery	1	1
2		1027095	Plug Button, Black (7/8")	1	2
3		1054605-NLA	NLA - Tube, Headrest Extension	1	2
4		1028756-NLA	NLA - Tube, Insert	1	2
5		1028752-NLA	NLA - Bracket, Headrest, Black - Right	1	2
5		1028753	Bracket, Headrest, Black - Left	1	2
6		1028484	Screw, Phillips Pan Head Tap (#10-32 x 1/2")	1	2
7		1031095	Screws with Washers (#10-16 x 7/8")	1	4
7		1076284	Screw w/ Washer (#10 x 7/8")	4	1

Miscellaneous Accessories

Carrying Pocket

Width	Nylon	Vinyl
16 - 20" Wide	8881047959	8881047957
NOTE: A - Specify upholstery color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."		

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 & All Captain Seats	1034625	61" L
22" Wide	1034622-NLA See Note(s) A	69" L
NOTE: A - For replacement contact The Aftermarket Group (TAG).		

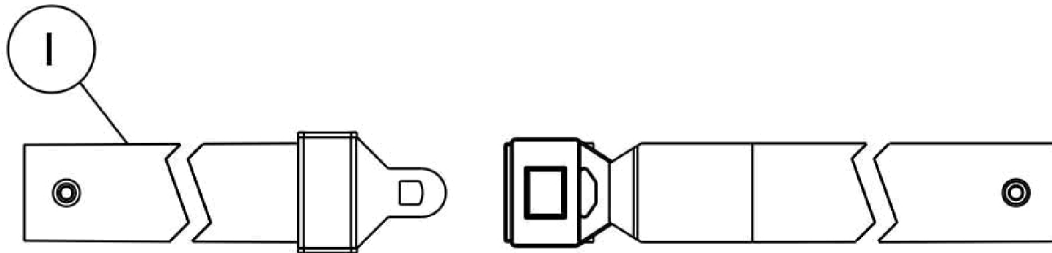
Airline Style Positioning Strap

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 & All Captain Seats	1034752-NLA See Note(s) A	61" L
22" Wide Chairs	1034753-NLA	70" L
NOTE: A - 1034752 Airline Buckle Style is No Longer Available. Use Auto Style part number 1034625 as a replacement.		

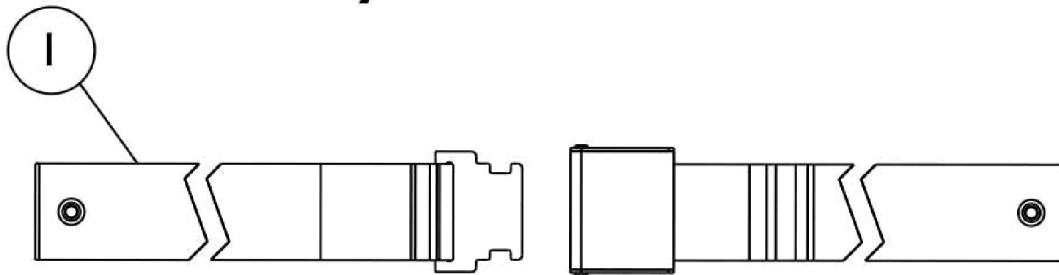
Hook and Loop Style Positioning Strap

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" Wide & All 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.		

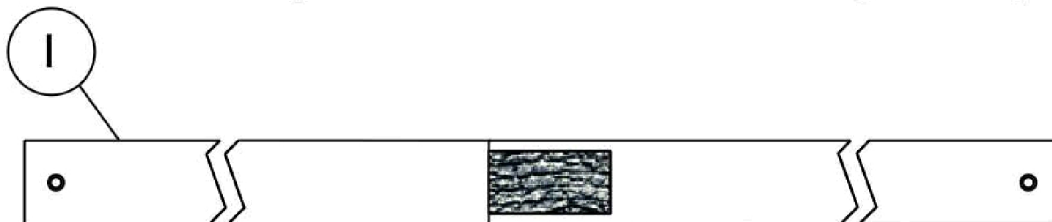
Miscellaneous Accessories



Auto Style Push Button Buckle



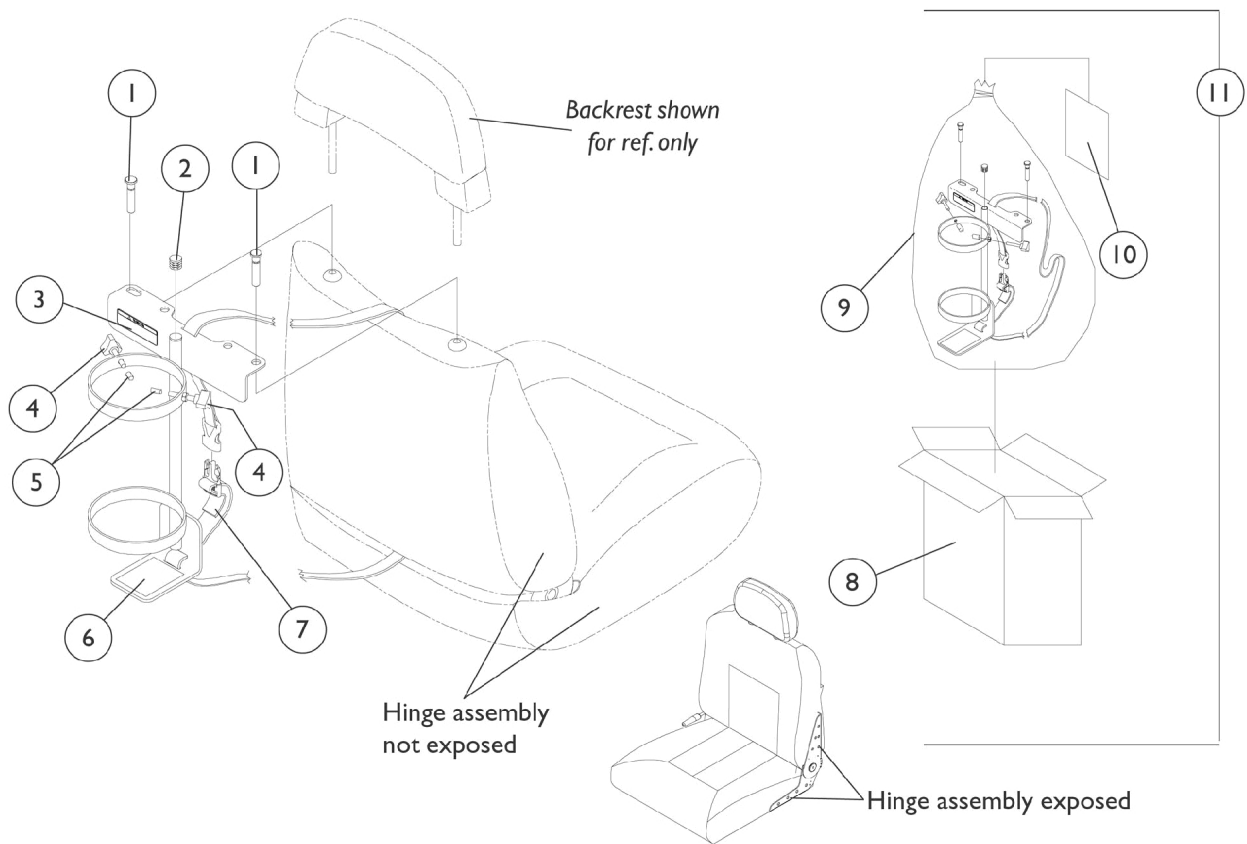
Airline Style Buckle Positioning Strap



Hook and Loop Style Buckle Positioning Strap

Oxygen Holder Assembly Kit - Before 4/15/03

Captain Seat, Low Back Models Only



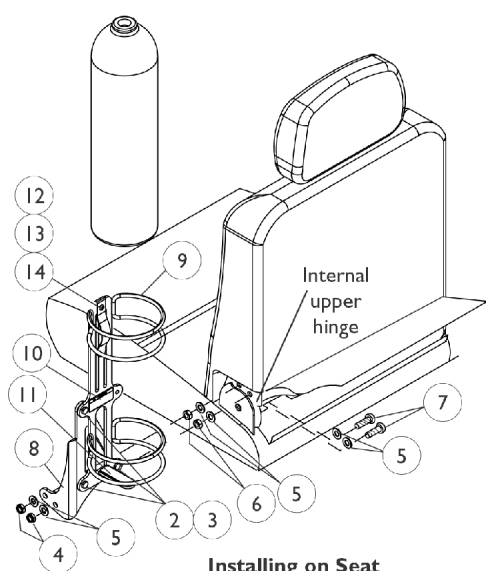
Oxygen Holder Assembly Kit - Before 4/15/03

Captain Seat, Low Back Models Only

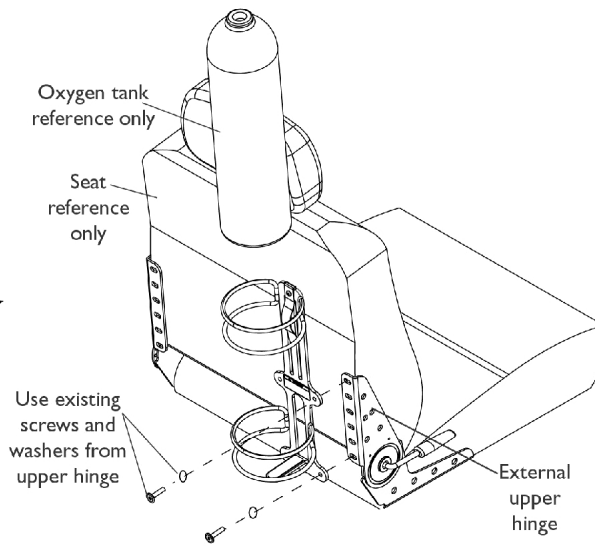
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1080865-NLA	NLA - Pin, Oxygen Holder	1	2
2		1035614	Plug Button, Black (5/8")	1	1
3		1080866	Decal, Oxygen Warning - English	1	1
4		1027684	Knob, Clamping, Black	1	2
5		1086780-NLA	NLA - Package, Protective Cap	10	2
6		1073159-NLA	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

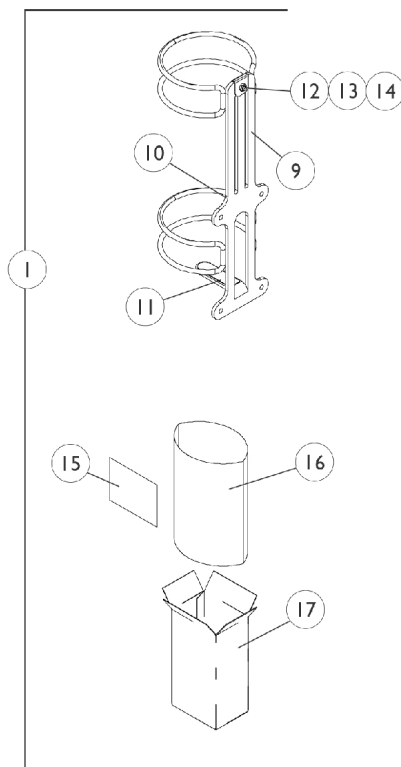
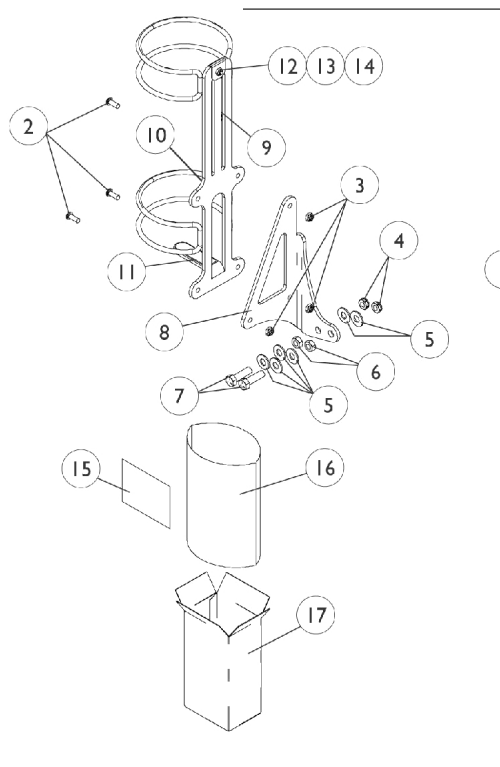
All Captain Seat Models



Installing on Seat with Internal Hinge



Installing on Seat with External Hinge



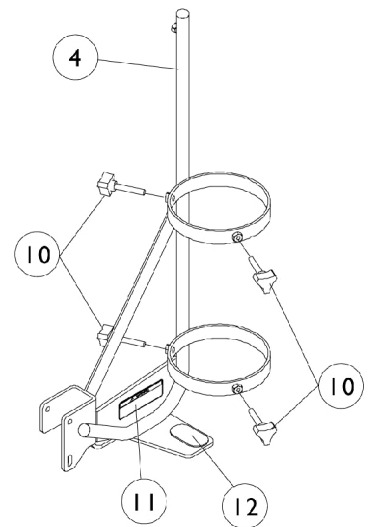
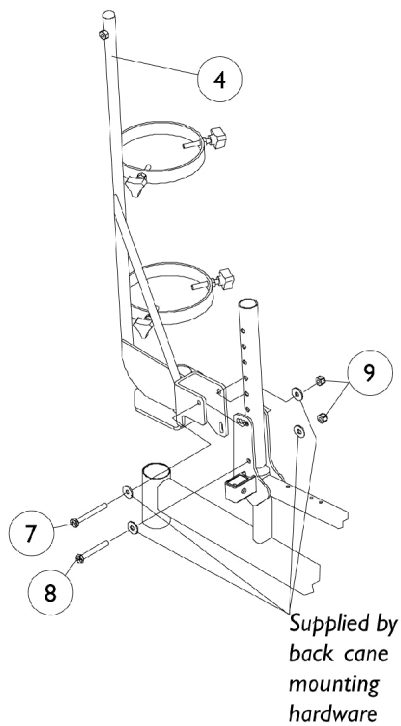
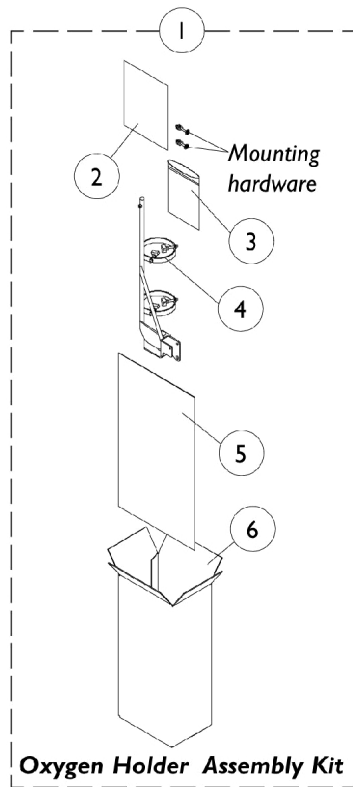
Oxygen Holder Assembly Kit - After 4/14/03

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

Sling Seat



Oxygen Holder Assembly Kit Sling Seat

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	See Note	See Footnote	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		7930333	Locknut (1/4-20)	25	1
10		1027684	Knob, Clamping, Black	1	4
11		1080866	Decal, Oxygen Warning - English	1	1
12		1072002-NLA	NLA - Pad, Non Skid	1	1
NOTE: A - Includes items 2-6 and 7-9. B - Oxygen Holder - See item 1. 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

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 & Harnesses" Category for more information.		

Invacare Corporation

www.invacare.com



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800-333-6900

Customer Service
800-333-6900

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(Revised 11/01/22)

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