



Parts Manual



HD Models 15,000 - 30,000 lb.

QuattroPlow™

Model HD



REMEMBER: Register your product! No claims for warranty shall be considered unless your product registration card is completed online within 30 days of purchase. Go to: snowwolfplows.com/registration.

Manufactured By:



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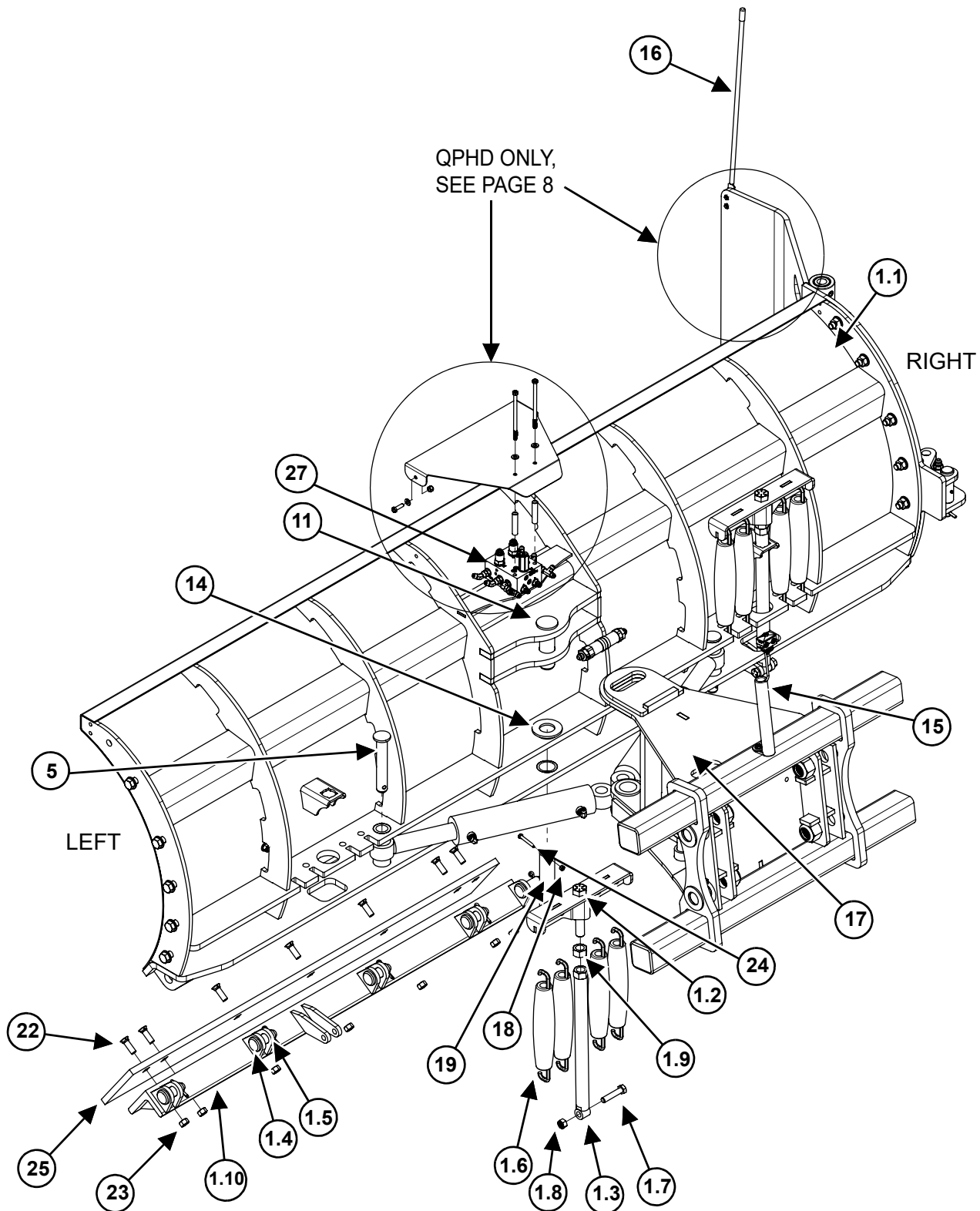
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Models QPHD146, QPHD170



NOTE: Left and right in this diagram correspond directly to the physical left-handed and right-handed sides of the assembly as shown.

ITEM	PART #	DESCRIPTION	QPHD-146 QTY	QPHD-170 QTY
1	P80074	MOLDBOARD ASSEMBLY 120" 10FT HD	1	0
	P80075	MOLDBOARD ASSEMBLY 144" 12FT HD	0	1
1.1	P80100	MOLDBOARD ONLY, 120" 10FT HD	1	0
	P80101	MOLDBOARD ONLY, 144" 12FT HD	0	1
1.2	P80080	SPRING ADJUSTER ASSEMBLY, HD	2	2
1.3	P80081	WELDMENT, SPRING BAR, HD	2	2
1.4	P40006	PIN, UPPER PIVOT/TRIP EDGE 1-3/16" x 3"	9	11
1.5	P40007	PIN, COTTER, 1/4" x 2", ZINC	9	11
1.6	P40010B	SPRING, TRIP, 6"-10" NEW STYLE	8	8
1.7	P40013	BOLT, HEX, 5/8-11 x 3, GR 8	2	2
1.8	P40012	NUT, LOCK, 5/8-11, GR C	2	2
1.9	P60065	JAM NUT, HEX, 1"- 8, GR 8	2	2
1.10	P70008L-A	TRIP EDGE WELDMENT, LEFT HAND 120" (10FT)	1	0
	P70008R-A	TRIP EDGE WELDMENT, RIGHT HAND 120" (10FT)	1	0
	P70008L-B	TRIP EDGE WELDMENT, LEFT HAND 144" (12FT)	0	1
	P70008R-B	TRIP EDGE WELDMENT, RIGHT HAND 144" (12FT)	0	1
5	P80004	PIN, RAM ANCHOR 1.25 x 7.5 BLADE OR FRAME END	4	4
11	P80002	PIN, UPPER PIVOT, 1.75" x 6.00"	1	1
14	P80116	WASHER, CUSTOM, LOWER PIVOT	1	1
15	P60084-K	SPRING, HOSE HOLDER	1	1
16	P50001	BLADE MARKER GUIDE SET	1	1
17	P80087	A-FRAME, HD, NO MOUNT/HARDWARE (LEGACY)	1	1
NS	P80066	A-FRAME, FMT, NO MOUNT OR HARDWARE	1	1
18	P60211	NUT, HEX, NYLOCK, 3/8"-16	2	2
19	P80003	PIN, LOWER PIVOT, 1.75" x 8.5"	1	1
22	P81011	BOLT, CARRIAGE, 5/8"-11 x 2 -1/2", GR 8 (FOR STRAIGHT STEEL EDGES ONLY)	14	16
	P81011	BOLT, CARRIAGE, 5/8"-11 x 2 -1/2", GR 8 (FOR STRAIGHT CARBIDE EDGES ONLY)	20	24
	P80036	BOLT, CARRIAGE, 5/8"-11 x 3" Y ZN, GR 8 (FOR ACTIVEEDGE ONLY)	20	24
23	P60035	NUT, HEX, NYLOCK, 5/8"-11, GR 8, YELLOW ZINC (FOR STRAIGHT STEEL EDGES ONLY)	14	16
	P40012	NUT, LOCK, 5/8"-11, ZINC, GRADE C (FOR STRAIGHT CARBIDE & ACTIVEEDGE ONLY)	20	24
24	P60235	BOLT, HEX, 3/8"-16 x 2", YELLOW ZINC, GR 8	2	2

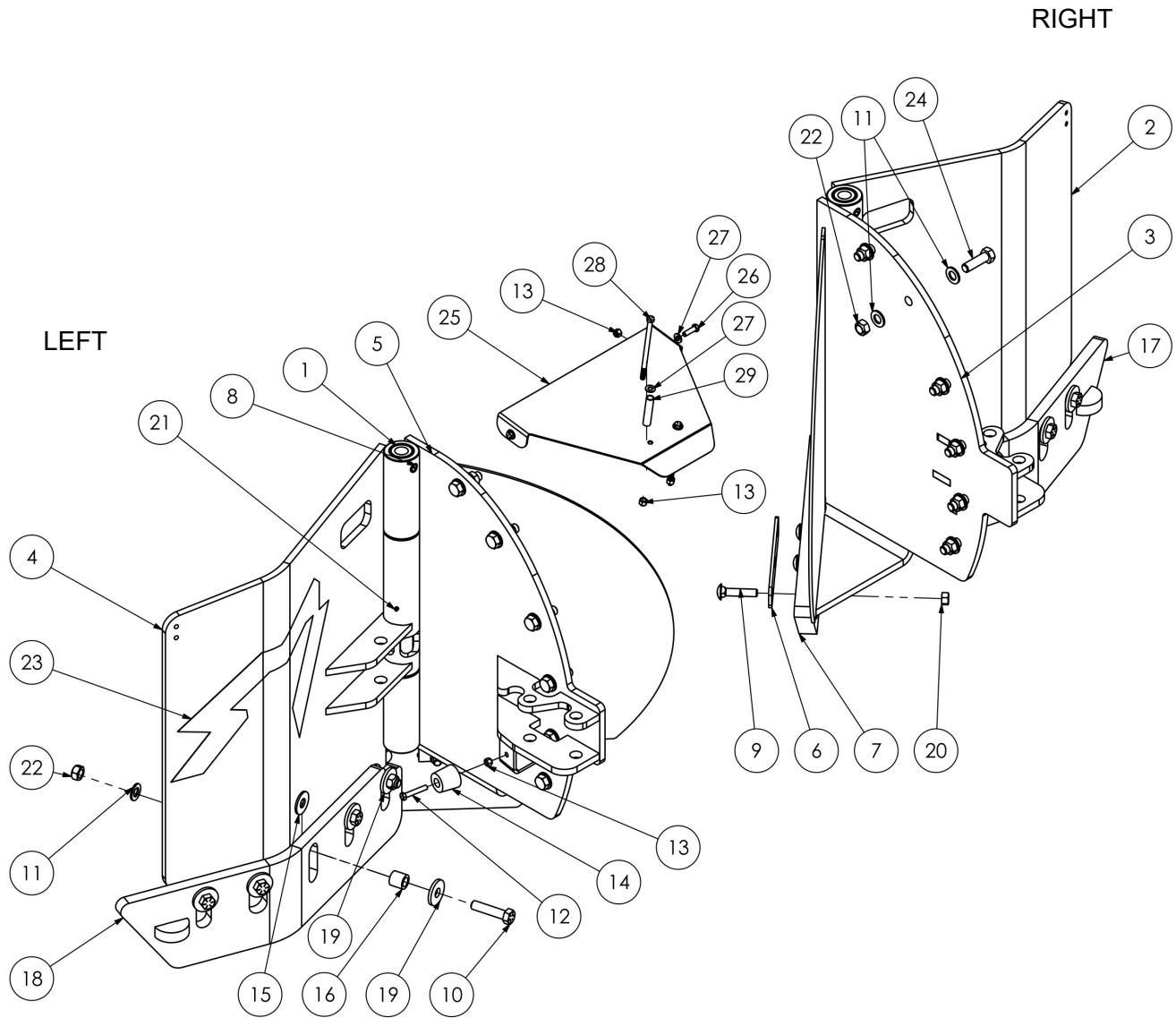
For items 25 and above: See "Options (QPHD Models)" on page 6.

Options (QPHD Models)

ITEM	PART #	DESCRIPTION	QPHD-146 QTY	QPHD-170 QTY
	MOUNT OPTIONS SEE PAGES 17-24			
NS	P60028	WING EDGE KIT, AR400, w/ HW	1	1
NS	P60028-CARB	WING EDGE KIT, CARBIDE, w/ HW	1	1
	STRAIGHT STEEL			
26	P80011-A	CUTTING EDGE, 10' w/ HW	1	0
	P80011-B	CUTTING EDGE, 12' w/ HW	0	1
	STRAIGHT CARBIDE			
NS	P80011-A-CARB	10' CARBIDE STRAIGHT EDGE KIT w/ HW	1	0
NS	P80011-B-CARB	12' CARBIDE STRAIGHT EDGE KIT w/ HW	0	1
	ActivEdge, AR400, SEE PAGE 15 FOR SUB-KITS AND SUBCOMPONENTS			
NS	P80011-A-SEC	10' COMPLETE KIT	1	0
NS	P80011-B-SEC	12' COMPLETE KIT	0	1
NS	P80011-A-REK	10' REPLACEMENT EDGES w/ HW	1	0
NS	P80011-B-REK	12' REPLACEMENT EDGES w/ HW	0	1
	ActivEdge, CARBIDE, SEE PAGE 15 FOR SUB-KITS AND SUBCOMPONENTS			
NS	P80124-A-SEC	10' COMPLETE KIT	1	0
NS	P80124-B-SEC	12' COMPLETE KIT	0	1
NS	P80124-A-REK	10' REPLACEMENT CARBIDE EDGES w/ HW	1	0
NS	P80124-B-REK	12' REPLACEMENT CARBIDE EDGES w/ HW	0	1
	SPILL GUARD (OPTION)			
NS	P80102-K	SPILL GUARD, 10'	1	0
NS	P80103-K	SPILL GUARD, 12'	0	1
For hydraulic hoses: See "Hydraulic Hoses (QPHD Models)" on page 10.				
For hydraulic components: Item 27, See "Hydraulic Components (QPHD Models)" on page 11.				

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Side Wing (QPHD Models)

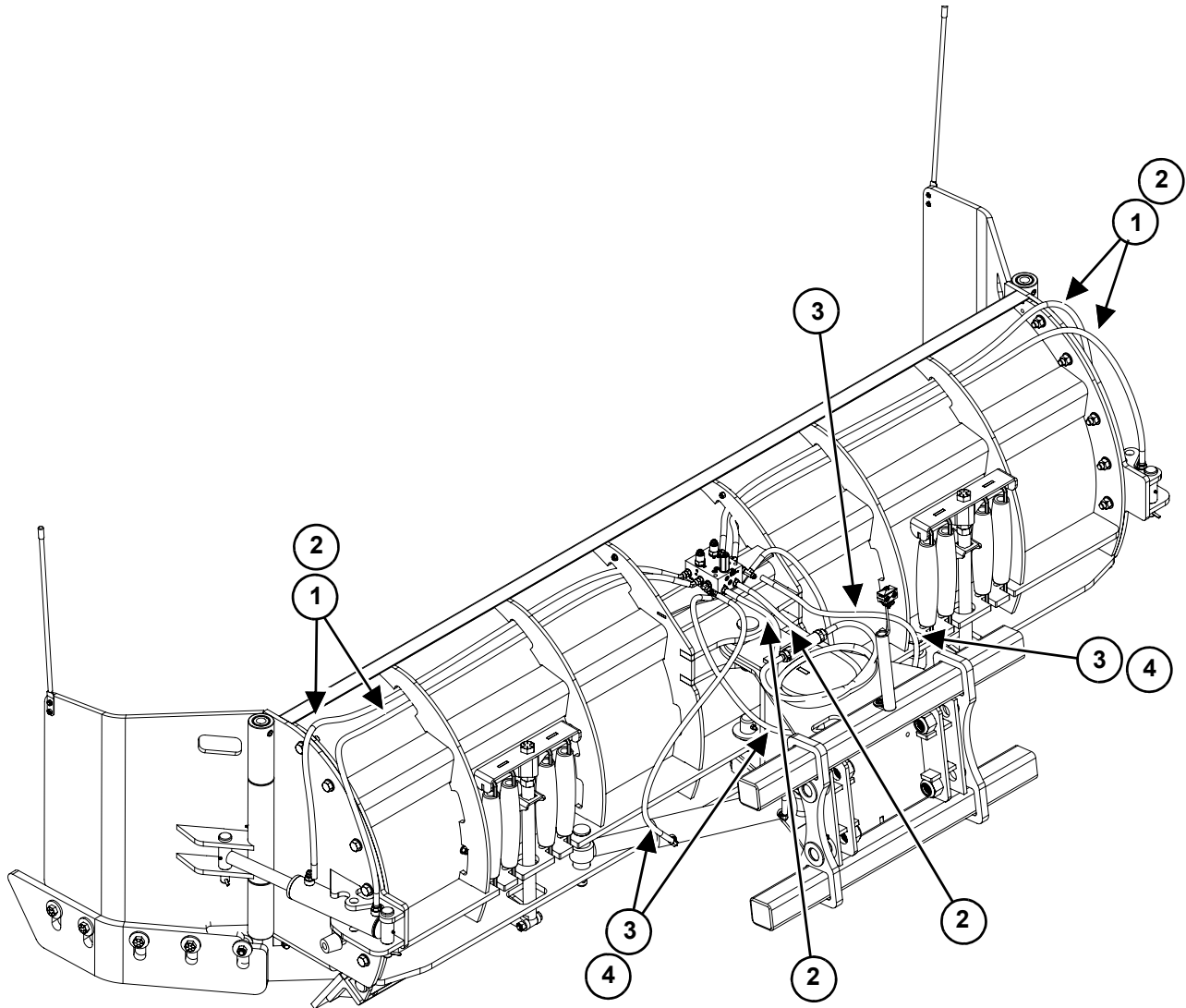


NOTE: Left and right in this diagram correspond directly to the physical left-handed and right-handed sides of the assembly as shown.

ITEM	PART #	DESCRIPTION	AR400 QTY	CARBIDE QTY
1	P80097	HINGE PIN, FOR QPHD WING	2	2
2	P80085	WING, QUATTRO PLOW HD, RIGHT FRONT WELDMENT	1	1
3	P80084	WING, QUATTRO PLOW HD, RIGHT REAR WELDMENT	1	1
4	P80083	WING, QUATTRO PLOW HD, LEFT FRONT WELDMENT	1	1
5	P80082	WING, QUATTRO PLOW HD, LEFT REAR WELDMENT	1	1
6	P80062	HOLD DOWN STRIP, FOR URETHANE EDGE (REAR ONLY), QUATTRO HD	2	2
7	P80061	CUTTING EDGE, URETHANE, LEFT- RIGHT (REAR ONLY) QUATTRO HD	2	2
8	P80047	PIN, ROLL, 3/4" X 3"	2	2
9	P80035	BOLT, CARRIAGE, 5/8"-11 X 3" ZN, GR 5	6	6
10	P70005	BOLT, HEX, 3/4"-10 X 3-1/4" Y ZN, GR 8	10	10
11	P30051	WASHER, FLAT, 3/4" SAE, GR5, ZN	34	34
12	P60220	BOLT, HEX, 3/8-16 X 2 1/4" Y ZN, GR 8	2	2
13	P60211	NUT, HEX, NYLOCK, 3/8", YELLOW ZINC, GR 8	6	6
14	P60158	WING BUMP STOP, 2"W X 1-3/4"H 3/8" BOLT DIA	2	2
15	P60095	WASHER, FLAT 3/4" USS	10	10
16	P60019	BUSHING, Ø1.25" X 1.20"	10	10
17	P60018	QPHD WING EDGE, AR400, RIGHT	1	0
	P60018-CARB	QPHD WING EDGE, CARBIDE, RIGHT	0	1
18	P60017	QPHD WING EDGE, AR400, LEFT	1	0
	P60017-CARB	QPHD WING EDGE, CARBIDE, LEFT	0	1
19	P60015	WASHER, CUSTOM, 2.25" QUATTROPLOW STEEL EDGE	10	10
20	P40012	NUT, LOCK, 5/8"-11, ZINC, GR C	6	6
21	P25562	GREASE ZERK, 3/16" POUND IN	2	2
22	P20028	NUT, LOCK, 3/4"-10, GRADE C	22	22
23	DC79	DECAL, WOLFHEAD, LARGE, LEFT SIDE, QPHD	1	1
24	P80039	BOLT, HEX, 3/4"-10 X 2-1/2", YELLOW ZINC, GR 8	12	12
25	P80086	MANIFOLD SHROUD, QUATTRO HD	1	1
26	P60210	BOLT, HEX, 3/8"-16 X 1-1/4" ZN, GR 5	2	2
27	P60088	WASHER, FLAT, 3/8" SAE, ZINC	4	4
28	P80052	BOLT, HEX, 3/8"-16 X 6-1/2" ZN, GR 5	2	2
29	P60089	MANIFOLD SHROUD BOLT SPACER	2	2
For hydraulic hoses: See "Hydraulic Hoses (QPHD Models)" on page 10.				

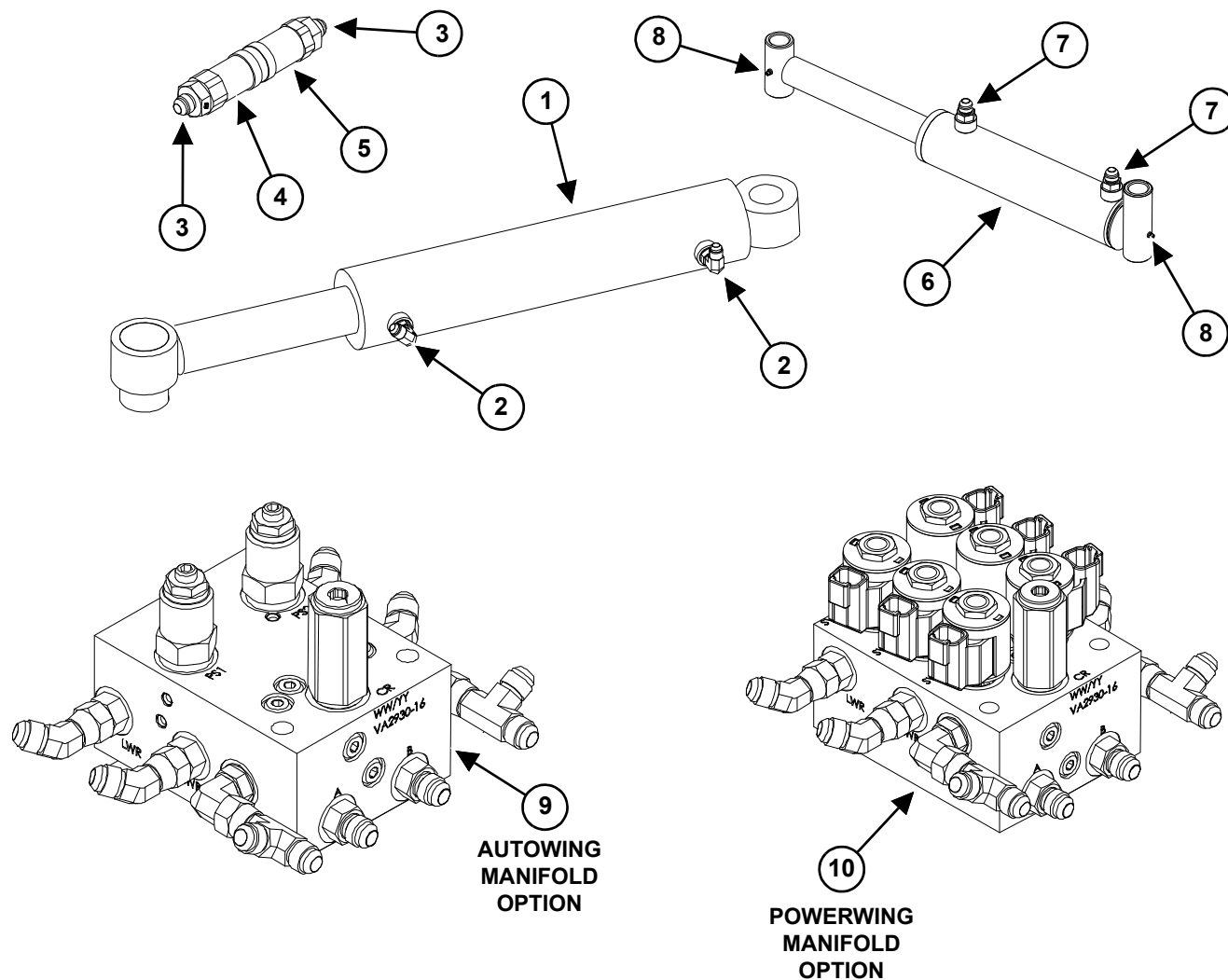
Hydraulics QPHD146, QPHD170

Hydraulic Hoses (QPHD Models)



ITEM	PART #	DESCRIPTION	QPHD-146 QTY	QPHD-170 QTY
1	P50008	HOSE, 3/8" x 78", 4800 PSI, 6FJIC-8FJIC	4	0
2	P50008-D	HOSE, 3/8" x 94", 4800 PSI, 6FJIC-8FJIC	2	6
3	P60082	HOSE, 3/8" x 38", 4800 PSI, 6FJIC-6FJIC	2	2
4	P80065	HOSE, 90DEG, 3/8" x 38.5", 1AAFJ6-1AAFJB6	2	2

Hydraulic Components (QPHD Models)



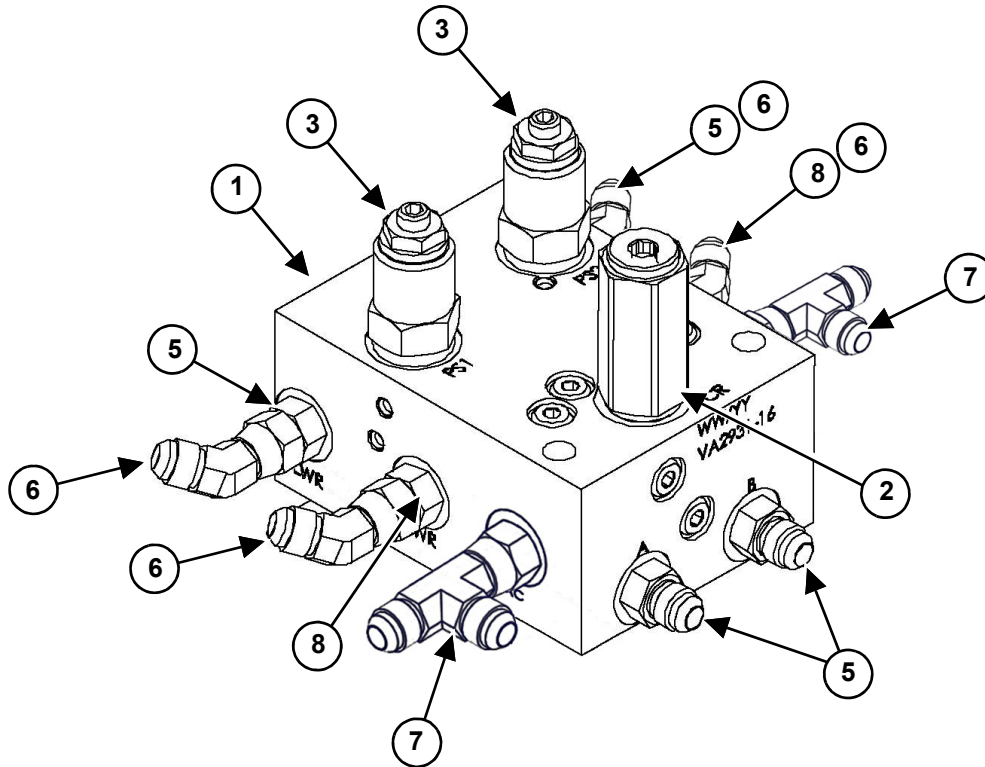
ITEM	PART #	DESCRIPTION	QTY
1	P80006-1	ANGLE CYLINDER, STEEL 3" BORE, DOUBLE ACTING	2
2	P60085	FITTING, 90 DEG, #6MORB-#6MJIC	4
3	P50009-A	FITTING, #8 MJIC X #12 MORB	2
4	P50010F	COUPLER, 1/2" FEMALE FLAT FACE 1/2" BODY x 3/4" PORT	1
5	P50010M	COUPLER, 1/2" MALE FLAT FACE 1/2" BODY x 3/4" PORT	1
6	P80056	CYLINDER, STEEL, QUATTRO WING, DUAL ACTING, LEFT & RIGHT	2
7	P38077	FITTING, #8 MJIC - #8MORB, STR	4
8	P25562	GREASE ZERK, 3/16" POUND IN	2
9	P80051-K	MANIFOLD, AUTOWING ASSY, HD W/VALVES (with fittings) See page 13	1
10	P80057-K	POWERWING MANIFOLD WITH FITTINGS & DIODE HARNESS See page 14	1

Decal Identification (QPHD Models)

PART #	DESCRIPTION	QPHD-146 QTY	QPHD-170 QTY
DC72	DECAL, QUATTROPLOW, HD-146	1	0
DC73	DECAL, QUATTROPLOW, HD-170	0	1
DC74	DECAL, WING, QPHD-146 20.5" x 3.7"	1	0
DC75	DECAL, WING, QPHD-170 20.5" x 3.7"	0	1
1001276	DECAL, PATENT, QR CODE VINYL	2	2
DC79	DECAL, WOLFHEAD, LARGE, LEFT SIDE, QPHD	1	1
DC161	SNOWWOLF BY ATTACH2	1	1
DC29	DECAL, WOLFHEAD, MOLDBOARD RIGHT	1	1
DC68	DECAL, TAG US, BLACK W/YELLOW	1	1
P20019	DECAL, "DANGER PINCH AREA"	4	4
SWSN	DECAL, SERIAL #	1	1

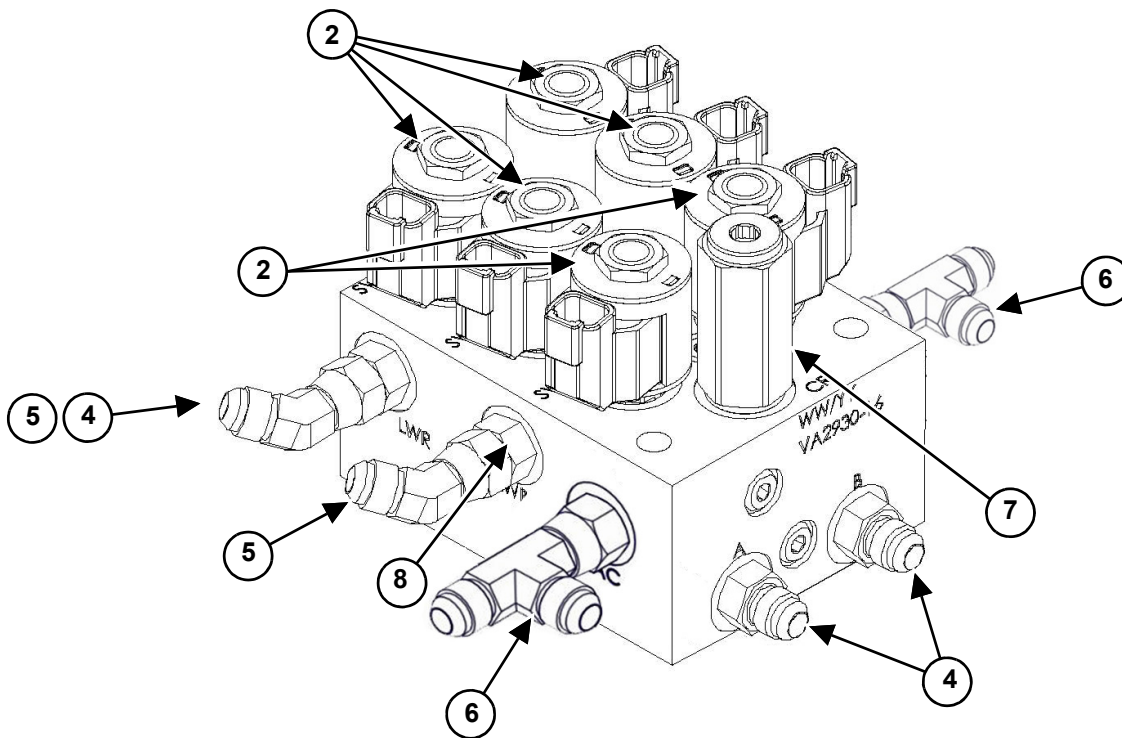
Options

Hydraulic Manifold AutoWing (HD Models)



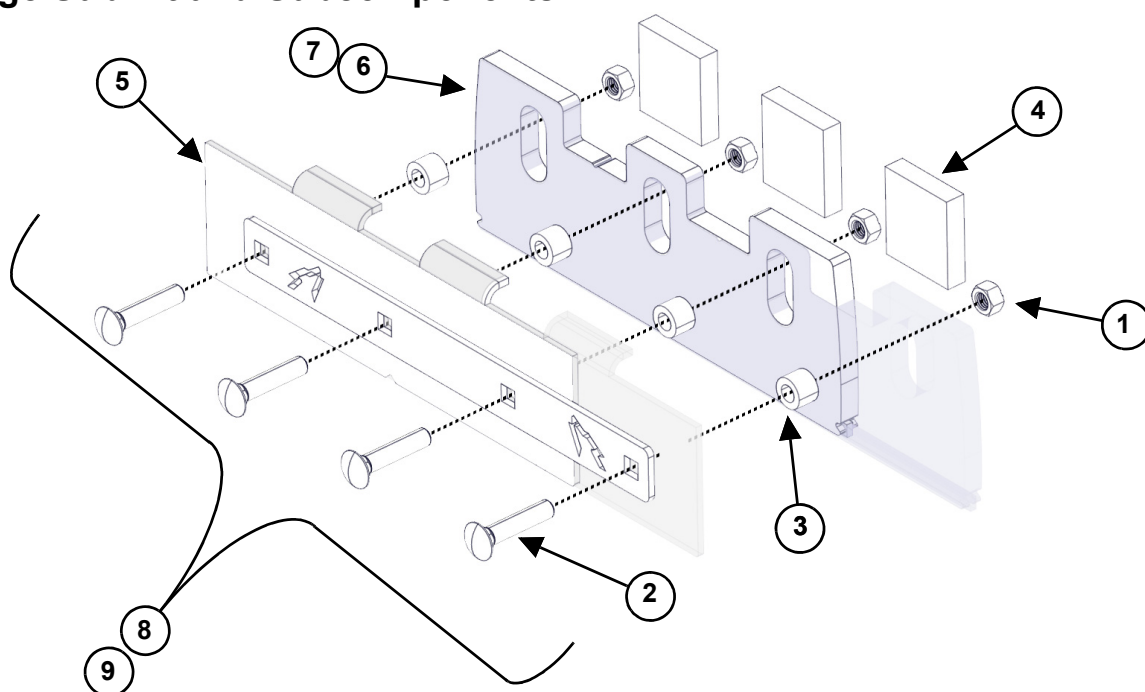
ITEM	PART #	DESCRIPTION	QTY
	P80051-K	MANIFOLD, AUTOWING ASSEMBLY, HD W/VALVES (ITEMS 1-5, 8)	1
1	P80051	MANIFOLD, AUTOWING, W/VALVES (no fittings)	1
2	P60132	CROSS OVER RELIEF VALVE, 2750 PSI	1
3	P60126	WING CONTROL VALVE, 2250 PSI	2
5	P60069	FITTING, #6MORB - #6MJIC, STRAIGHT	4
6	P38078	FITTING, #6MJIC - #6 FJIC, 45 DEG	4
7	P80060	FITTING, TEE	2
8	P81009	FITTING, STRAIGHT CONNECTOR, RESTRICTED, .095	2

Power Wing Upgrade QPHD-PW (HD Models)



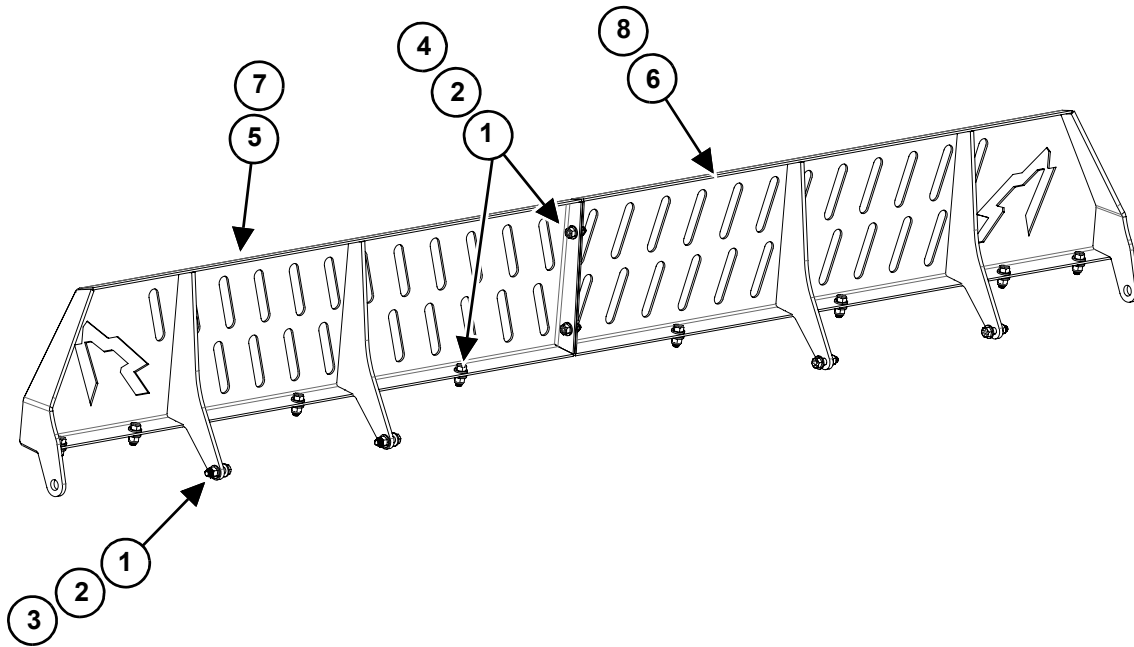
ITEM	PART #	DESCRIPTION	QTY
	P80057-K	MANIFOLD, POWERWING ASM W/VALVES, FITTINGS, DIODE HARNESS	1
NS	MFJC	CONTROLLER, MULTI-FUNCTION	1
NS	P60103	HARNESS, MANIFOLD DIODE	1
1	P80057	MANIFOLD, W/VALVES (NO FITTINGS)	1
2	P30188	SOLENOID VALVE & E-COIL	6
4	P60069	FITTING, #6MORB - #6MJIC, STRAIGHT	4
5	P38078	FITTING, 45 DEG, #6MJIC - #6 FJIC	4
6	P80060	FITTING, TEE	2
7	P60132	CROSS OVER RELIEF VALVE, 2750 PSI	1
8	P81009	FITTING, STRAIGHT CONNECTOR, RESTRICTED, .095	2

ActivEdge Sub-kit and Subcomponents



ITEM	PART #	DESCRIPTION	QTY 18"	QTY 24"
1	P40012	NUT, LOCK, 5/8-11	3	4
2	P80036	BOLT, CARRIAGE, 5/8-11 x 3", Y ZN, GR 8	3	4
3	P80107	BUSHING, STANDOFF	3	4
4	P80108	SPRING, FOAM	2	3
5	P60255	RETAINING WELDMENT, SINGLE	1	-
	P60252		-	1
6	P80109	AR400 BLADE, SINGLE	1	-
	P80106		-	1
7	P80109-CARB	CARBIDE BLADE, SINGLE	1	-
	P80106-CARB		-	1
	P80011-18-REK	REPLACEMENT EDGE KIT, SINGLE - INC. ITEMS 1, 2, 3, AND 6	1	-
	P80011-24-REK		-	1
	P80011-18-C-REK	REPLACEMENT EDGE KIT, SINGLE - INC. ITEMS 1, 2, 3, AND 7	1	-
	P80011-24-C-REK		-	1
8	P80112-K	AR400 KIT, SINGLE SECTION	1	-
	P80110-K		-	1
9	P80112-CARB-K	CARBIDE KIT, SINGLE SECTION	1	-
	P80110-CARB-K		-	1

Spill Guard

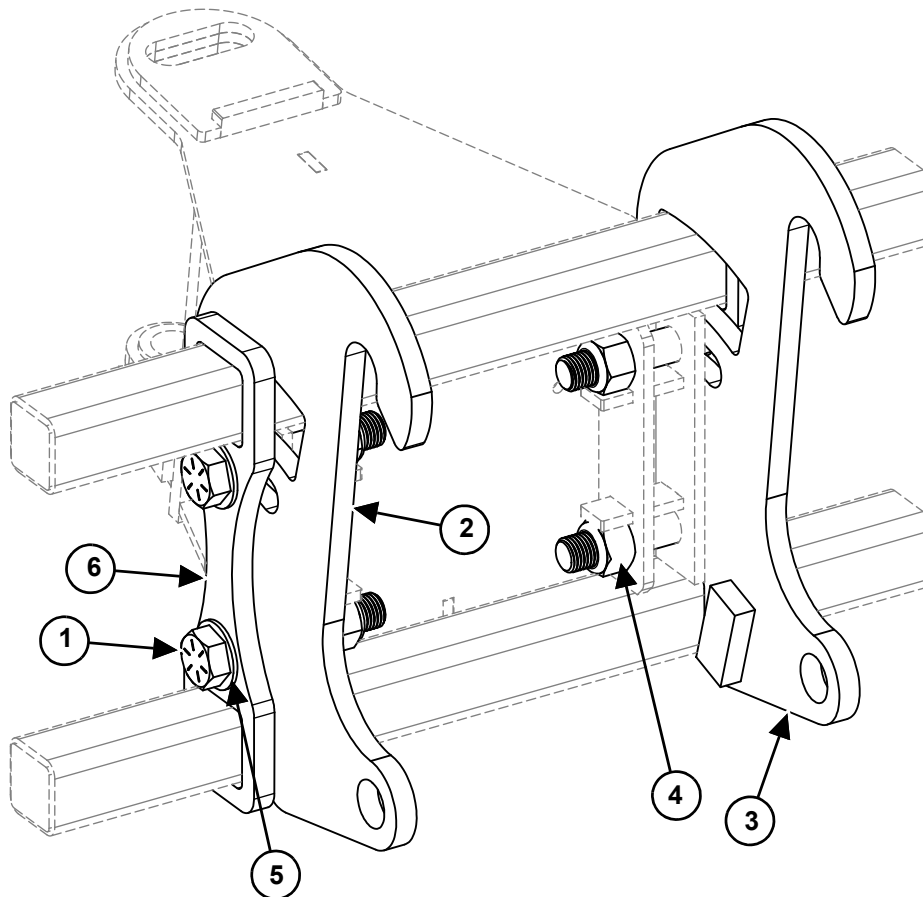


NOTE: Left and right in this diagram correspond directly to the physical left-handed and right-handed sides of the assembly as shown.

ITEM	PART #	DESCRIPTION	QTY
1	P25045	NUT, LOCK, 1/2"	14
2	P60222	WASHER, FLAT, 1/2"	28
3	P60233	BOLT, 1/2" x 2", GR 8	4
4	P60232	BOLT, 1/2" x 1-1/2", ZINC, GR 8	10
	P80102-K	SPILL GUARD KIT 10 FT for QPHD-146 w/ HW	1
5	P80102-L	SPILL GUARD, LEFT 10 FT.	1
6	P80102-R	SPILL GUARD, RIGHT 10 FT.	1
	P80103-K	SPILL GUARD KIT 12 FT for QPHD-170 w/ HW	1
7	P80103-L	SPILL GUARD, LEFT 12 FT.	1
8	P80103-R	SPILL GUARD, RIGHT 12 FT.	1

Mounts (Legacy)

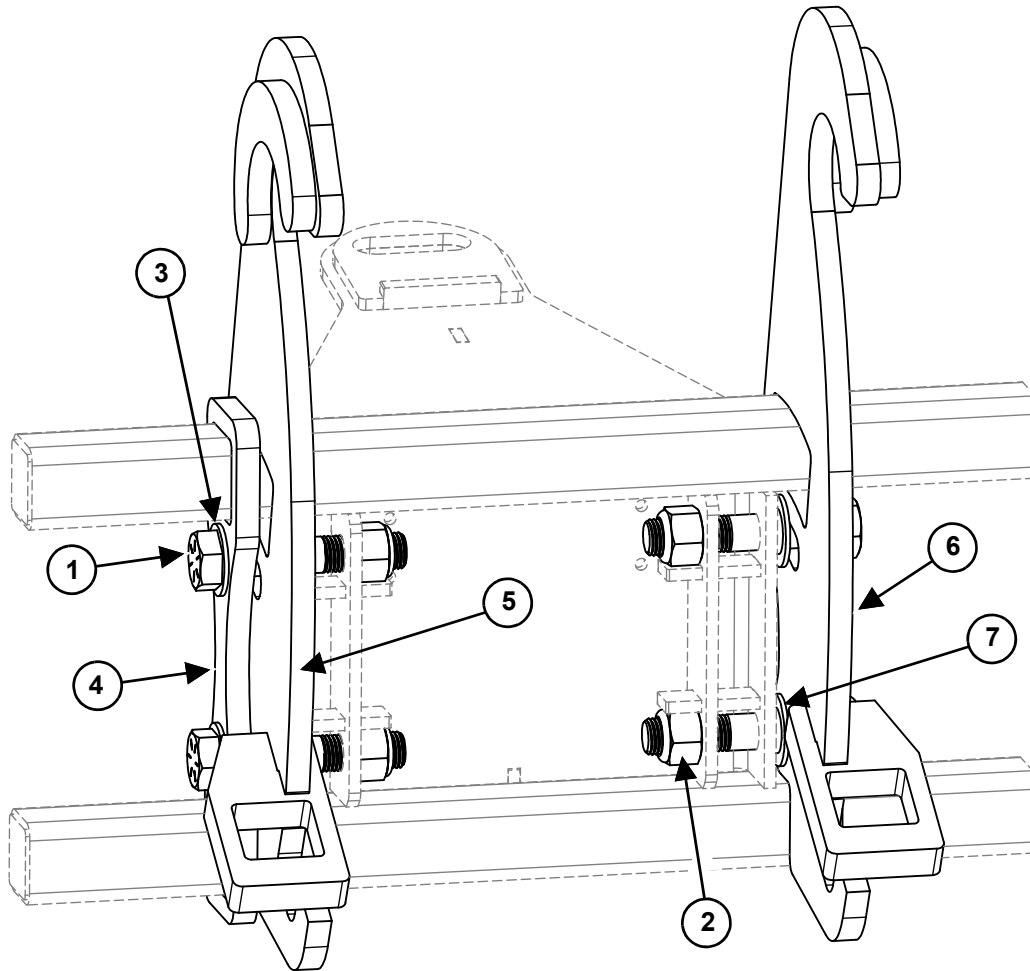
Mount, MT100 Kit, CAT-IT, LEGACY



NOTE: Left and right in this diagram correspond directly to the physical left-handed and right-handed sides of the assembly as shown.

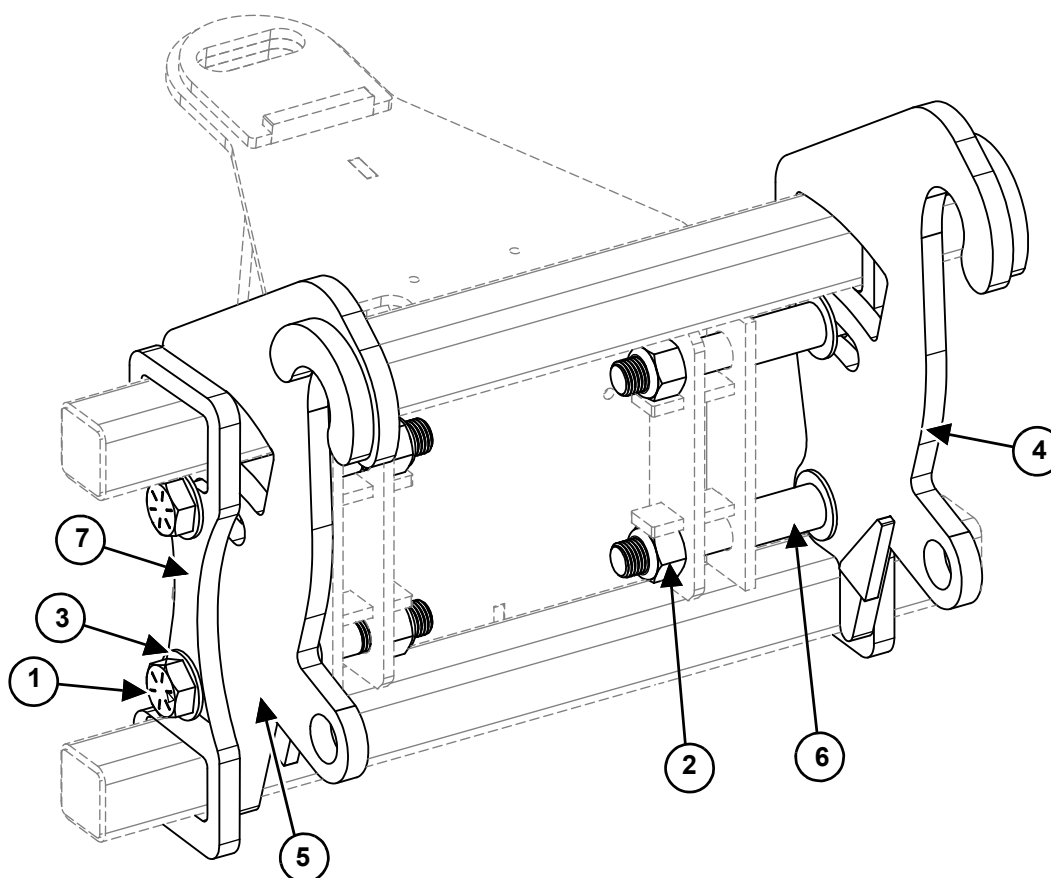
ITEM	PART #	DESCRIPTION	QTY
1	P80048	BOLT, HEX, 1-1/2"-6 x 8", GR 8	4
2	P80072	MOUNT PLATE, ALPHA CAT IT LEFT SIDE	1
3	P80073	MOUNT PLATE, ALPHA CAT IT RIGHT SIDE	1
4	P80088	NUT, HEX, NYLOCK, 1-1/2"-6	4
5	P80089	WASHER, FLAT, 1-1/2"	4
6	P80096	WISHBONE, MOUNTING PLATE KEEPER	2

Mount, MT200 Kit, CAT-FUSION, LEGACY



NOTE: Left and right in this diagram correspond directly to the physical left-handed and right-handed sides of the assembly as shown.

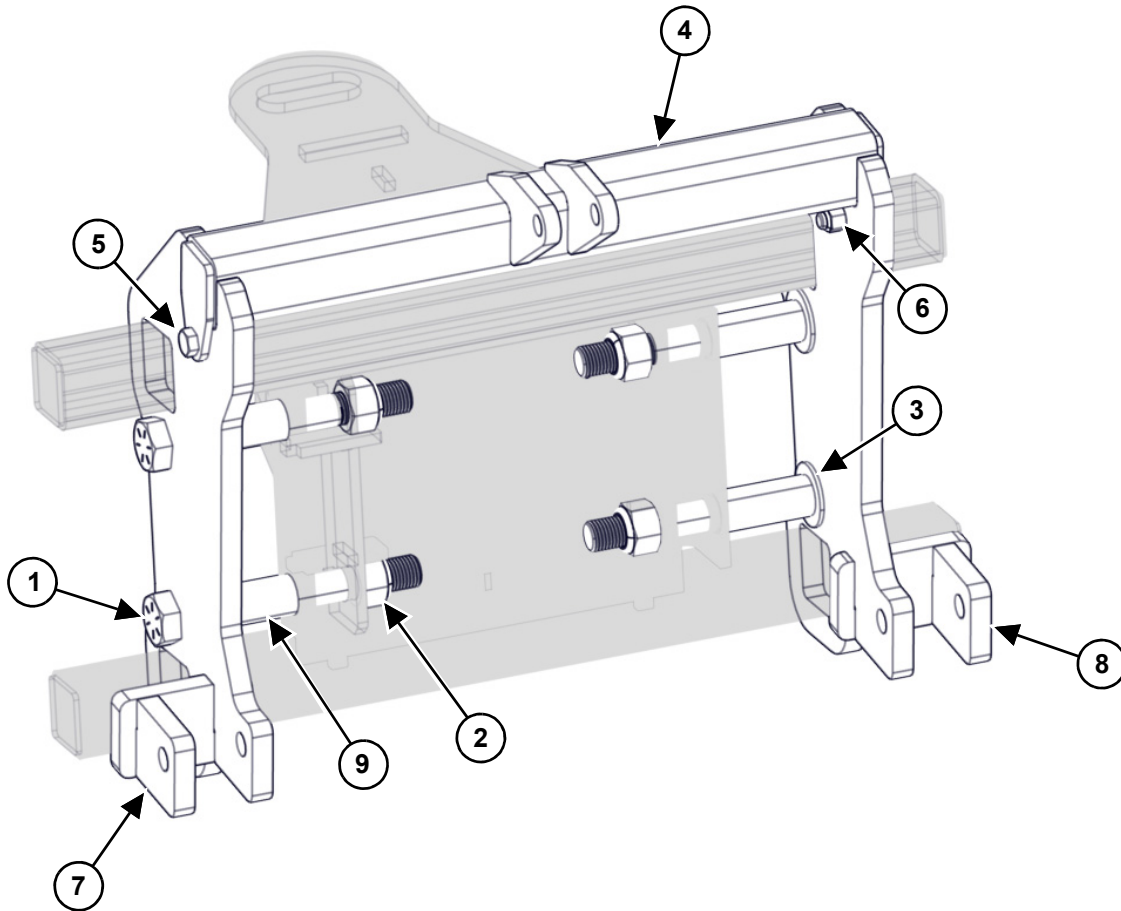
ITEM	PART #	DESCRIPTION	QTY
1	P80048	BOLT, HEX, 1-1/2"-6 x 8", GR 8	4
2	P80088	NUT, HEX, NYLOCK, 1-1/2"-6	4
3	P80089	WASHER, FLAT, 1-1/2"	8
4	P80096	WISHBONE, MOUNTING PLATE KEEPER	2
5	P80094	MOUNT PLATE, CAT FUSION, LEFT HAND	1
6	P80095	MOUNT PLATE, CAT FUSION, RIGHT HAND	1
7	P81008	MOUNT SPACER, CAT FUSION	4

Mount, MT300 Kit, JRB-416, LEGACY

NOTE: Left and right in this diagram correspond directly to the physical left-handed and right-handed sides of the assembly as shown.

ITEM	PART #	DESCRIPTION	QTY
1	P80053	BOLT, HEX, 1-1/2"-6 x 12", GR 8	4
2	P80088	NUT, HEX, NYLOCK, 1-1/2"-6	4
3	P80089	WASHER, FLAT, 1-1/2"	8
4	P80090	MOUNT PLATE, JRB, RIGHT HAND	1
5	P80091	MOUNT PLATE, JRB, LEFT HAND	1
6	P80092	MOUNT SPACER, JRB	4
7	P80096	WISHBONE, MOUNTING PLATE KEEPER	2

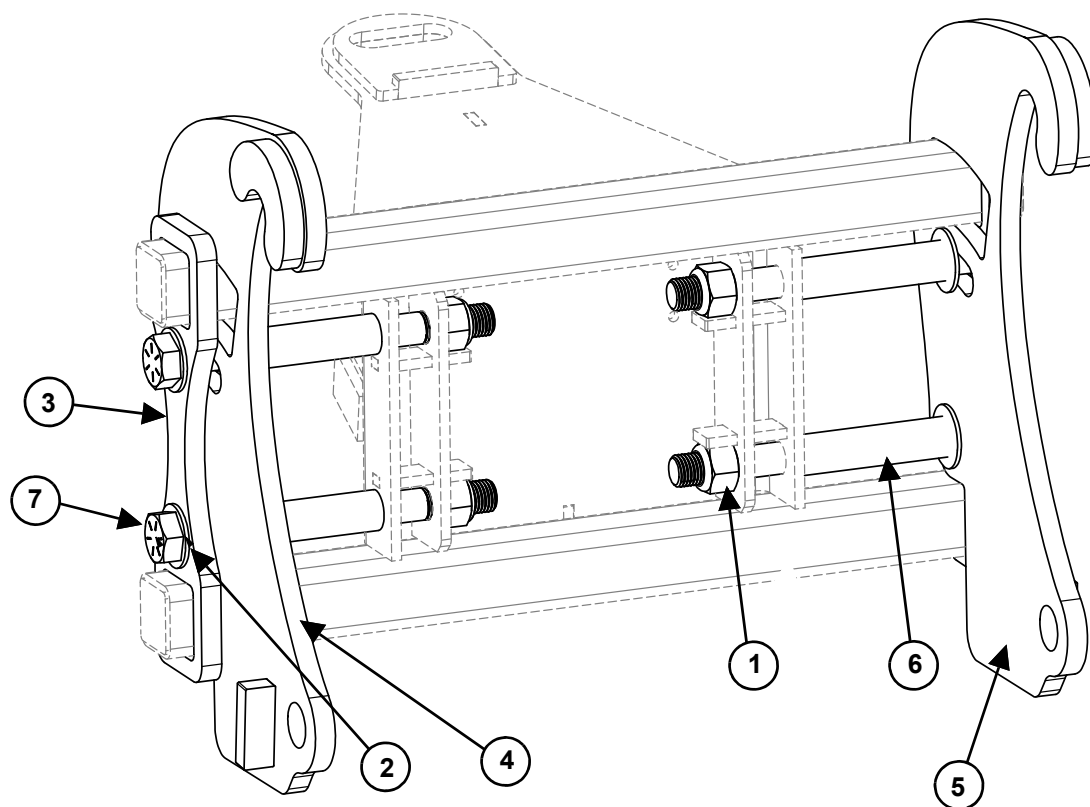
Mount, MT400 Kit, Category II 3 Point, LEGACY



NOTE: Left and right in this diagram correspond directly to the physical left-handed and right-handed sides of the assembly as shown.

ITEM	PART #	DESCRIPTION	QTY
1	P80053	BOLT, HEX, 1-1/2"-6 x 12", GR 8	4
2	P80088	NUT, HEX, NYLOCK, 1-1/2"-6	4
3	P80089	WASHER, FLAT, 1-1/2"	4
4	P80120	UPPER BRACKET CROSSMEMBER	1
5	P80039	BOLT, HEX, 3/4"-10 x 2-1/2"	2
6	P20028	NUT, LOCK, 3/4"-10	2
7	P80122	3-POINT HITCH, LEFT SIDE	1
8	P80121	3-POINT HITCH, RIGHT SIDE	1
9	P81010	MOUNT SPACER, 3-POINT	4

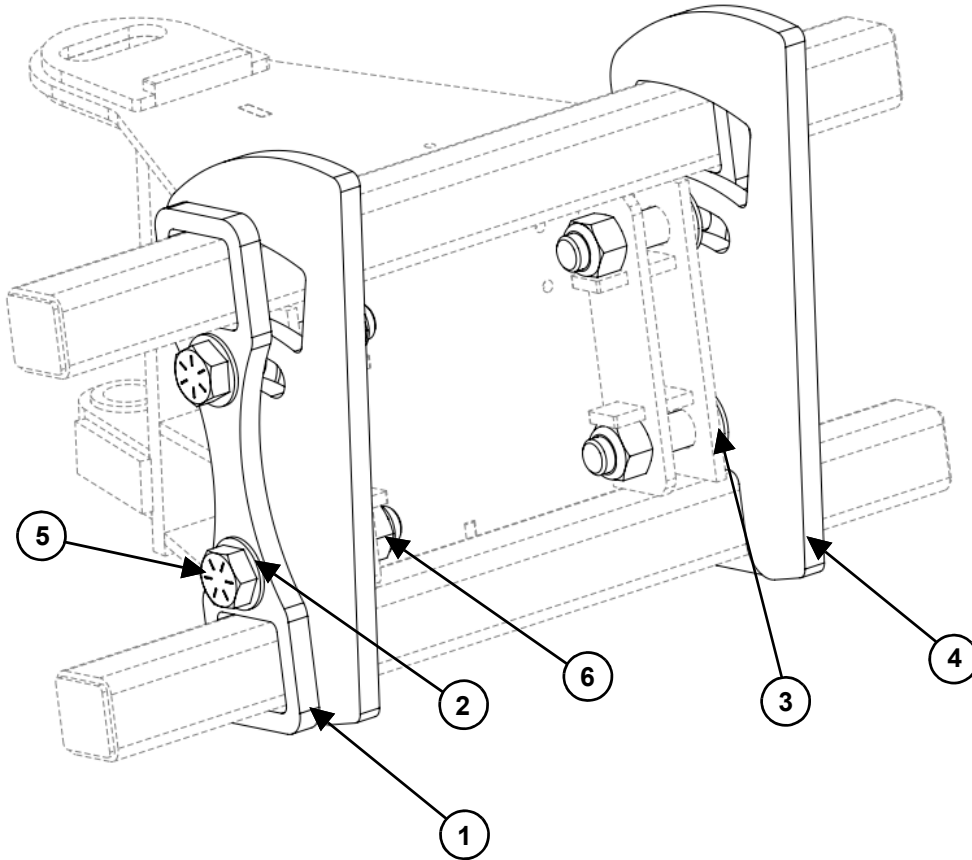
Mount, MT500 Kit, VOLVO, LEGACY



NOTE: Left and right in this diagram correspond directly to the physical left-handed and right-handed sides of the assembly as shown.

ITEM	PART #	DESCRIPTION	QTY
1	P80088	NUT, HEX, NYLOCK, 1-1/2"-6	4
2	P80089	WASHER, FLAT, 1-1/2"	8
3	P80096	WISHBONE, MOUNTING PLATE KEEPER	2
4	P80098	MOUNT PLATE, VOLVO, LEFT HAND	1
5	P80099	MOUNT PLATE, VOLVO, RIGHT HAND	1
6	P81005	MOUNT SPACER, VOLVO	4
7	P81006	BOLT, HEX, 1-1/2"-6 x 16"	4

Mount, MT600 Kit, Universal Weld On, LEGACY



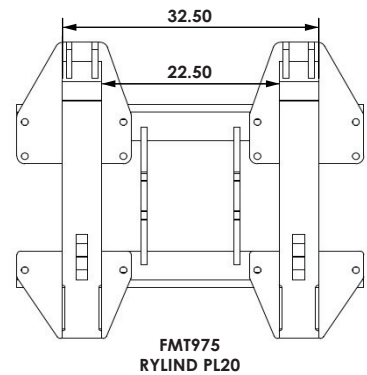
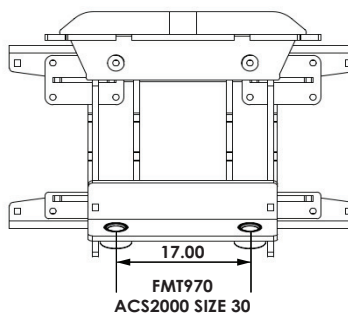
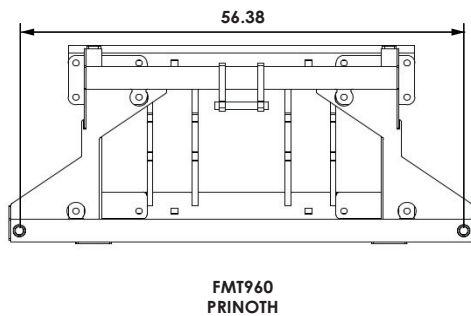
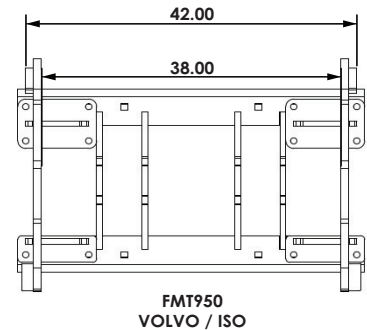
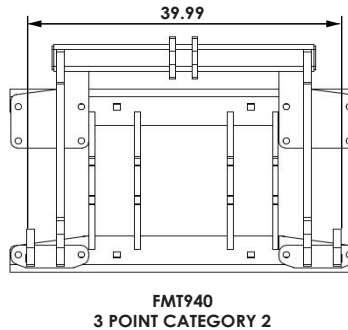
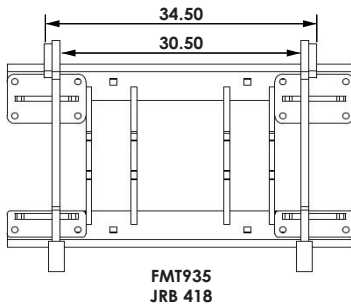
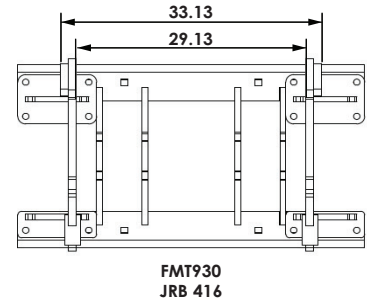
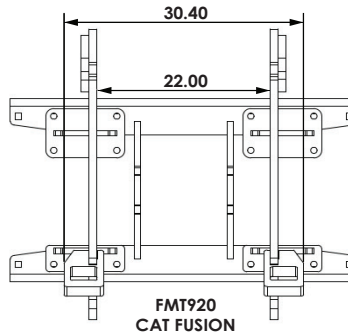
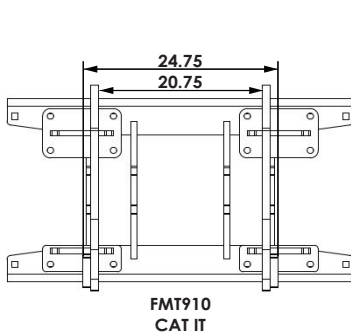
NOTE: Left and right in this diagram correspond directly to the physical left-handed and right-handed sides of the assembly as shown.

ITEM	PART #	DESCRIPTION	QPHD-146 QTY	QPHD-170 QTY
1	P80089	WASHER, FLAT, 1-1/2"	8	1
2	P80096	MOUNTING KEEPER, WISHBONE, MOUNTING PLATE KEEPER	2	2
3	P81008	MOUNT SPACER, CAT FUSION	4	3
4	P81012	UNIVERSAL WELD ON PLATE	2	4
5	P80048	BOLT, HEX, 1-1/2"-6 X 8", PLAIN FINISH, GR 8	4	5
6	P80088	NUT, HEX, NYLOCK, 1-1/2"-6	4	6

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Mounts (FMT)

Machine Mounts, FMT



LEFT

RIGHT

NOTE: Left and right in this diagram correspond directly to the physical left-handed and right-handed sides of the assembly as shown.

NOTE: Shown against an Apex A-Frame (not included) for reference.

PART #	DESCRIPTION	QTY
FMT910	MOUNT KIT, CAT IT	1
P91093-L	MOUNT PLATE, CAT IT, LEFT	1
P91093-R	MOUNT PLATE, CAT IT, RIGHT	1
FMT920	MOUNT KIT, CAT FUSION	1
P91090-L	MOUNT PLATE, CAT FUSION, LEFT	1
P91090-R	MOUNT PLATE, CAT FUSION, RIGHT	1
FMT930	MOUNT KIT, JRB 416	1
P91091-L	MOUNT PLATE, JRB, LEFT	1
P91090-R	MOUNT PLATE, JRB, RIGHT	1
FMT935	MOUNT KIT, JRB 418	1
P91089-L	MOUNT PLATE, JRB 418, LEFT	1
P91089-R	MOUNT PLATE, JRB 418, RIGHT	1
FMT940	MOUNT KIT, CATEGORY II 3 POINT	1
FMT950	MOUNT KIT, VOLVO	1
P91092-L	MOUNT PLATE, VOLVO, LEFT	1
P91092-R	MOUNT PLATE, VOLVO, RIGHT	1
FMT960	MOUNT KIT, FOR PRINOTH	1
FMT970	MOUNT KIT, ACS2000 SIZE 30	1
FMT975	MOUNT KIT, RYLIND PL20	1
P91094-L	MOUNT PLATE, RYLIND PL20, LEFT	1
P91094-R	MOUNT PLATE, RYLIND PL20, RIGHT	1
NOTE: Parts below all have same quantity for each mount kit.		
P20028	NUT, LOCK, 3/4"-10, GRADE C, STOVER	8
P81077	BOLT, CARRIAGE, 3/4"-10 x 2-1/2, GR 8, ZN	8
P30051	WASHER, FLAT, 3/4" SAE, GR 5, ZN	8





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