



Contractor Series Mechanics Body

PARTS AND SPECIFICATIONS

IOWA MOLD TOOLING CO., INC.

BOX 189, GARNER, IA 50438-0189

TEL: 641-923-3711

MANUAL PART # 99903800

Iowa Mold Tooling Co., Inc. is an Oshkosh Corporation company.

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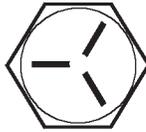
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TORQUE DATA CHART

FINE THREAD BOLTS

COARSE THREAD BOLTS

SIZE (DIA-TPI)	BOLT DIA (INCHES)	TIGHTENING TORQUE			
		 SAE J429 GRADE 5		 SAE J429 GRADE 8	
		PLAIN (FT-LB)	PLATED (FT-LB)	PLAIN (FT-LB)	PLATED (FT-LB)
5/16-24	0.3125	19	14	27	20
3/8-24	0.3750	35	26	49	35
7/16-20	0.4375	55	41	78	58
1/2-20	0.5000	90	64	120	90
9/16-18	0.5625	120	90	170	130
5/8-18	0.6250	170	130	240	180
3/4-16	0.7500	300	225	420	315
7/8-11	0.8750	445	325	670	500
1-12	1.0000	645	485	995	745
1 1/8-12	1.1250	890	670	1445	1085
1 1/4-12	1.2500	1240	930	2010	1510
1-3/8-12	1.3750	1675	1255	2710	2035
1 1/2-12	1.5000	2195	1645	3560	2670

SIZE (DIA-TPI)	BOLT DIA (INCHES)	TIGHTENING TORQUE			
		 SAE J429 GRADE 5		 SAE J429 GRADE 8	
		PLAIN (FT-LB)	PLATED (FT-LB)	PLAIN (FT-LB)	PLATED (FT-LB)
5/16-18	0.3125	17	13	25	18
3/8-16	0.3750	31	23	44	33
7/16-14	0.4375	49	37	70	52
1/2-13	0.5000	75	57	105	80
9/16-12	0.5625	110	82	155	115
5/8-11	0.6250	150	115	220	160
3/4-10	0.7500	265	200	375	280
7/8-9	0.8750	395	295	605	455
1-8	1.0000	590	445	910	680
1 1/8-7	1.1250	795	595	1290	965
1 1/4-7	1.2500	1120	840	1815	1360
1-3/8-6	1.3750	1470	1100	2380	1780
1 1/2-6	1.5000	1950	1460	3160	2370

When using the torque data in the charts above, the following rules should be observed.

1. Bolt manufacturer's particular specifications should be consulted when provided.
2. Flat washers of equal strength must be used.
3. All torque measurements are given in foot-pounds. To convert to inch-pounds, multiply by 12.
4. Torque values specified are for bolts with residual oils or no special lubricants applied. If special lubricants of high stress ability, such as Never-Seez compound graphite and oil, molybdenum disulphite, colloidal copper or white lead are applied, multiply the torque values in the charts by the factor .90. The use of Loctite does not affect the torque values listed above.

WARNING

Anytime a gear-bearing bolt is removed, it must be replaced with a new bolt of the identical grade and size. Once a bolt has been torqued to 75% of its proof load and then removed, the torque coefficient may no longer be the same as when the bolt was new thus giving indeterminate clamp loads after torquing. Failure to replace gear-bearing bolts may result in bolt failure due to metal fatigue causing serious injury or DEATH.

REVISIONS		
DATE	LOCATION	DESCRIPTION
20060313	12	ECN 10078 - REMOVED STEP BUMPER OPTION (51711506)
20060725	18,19	ADDED ELECTRICAL DRAWINGS 99903922, 99903921
20060925	6	ECN 10251 - CHANGED MUD FLAP BRACKET HDWR ON 93714835
20070208	24-31	ADDED SPARE PARTS ON PUMPS, REELS, 99903986 DECAL PLACEMENT
20070312	31	ECN 10408 - ADD 70396164 TO 51716597
20070521	30	ECN 10477 - ADD 70397075 TO 99903896
20070605	30-31	ECN 10390-1 - REPLACE INDIVIDUAL OIL1, OIL2, GREASE & SALVAGE WITH 70397078
20070628	8-9	ECN 10388 - ADDED 99904256 WEATHERSTRIP INSTALL DWG.
20080204	16	ECN 10634 - ADDED 51709358 AIR TANK DRAIN DRAWING
20090225	29	ADDED SPARE PART NUMBER FOR ITEM 2.
20090407	35-40	ADDED ELEC CRANE INSTALLATION DRAWINGS 99903519, 99904394
20100816	10	ECN 11263 - CHANGE TO WEATHERSTRIPPING PART #



SPECIFICATIONS CONTRACTOR SERIES MECHANICS BODY

GENERAL SPECIFICATIONS

CRANES FOR WHICH BODY IS DESIGNED	IMT Model 1015
CHASSIS CAB-TO-AXLE (CA)	84" Single Axle (213.4cm)
LONGSILLS	8" x 12 ga. Inverted "A" Frame
CROSSMEMBERS	3" x 8" x 3/16" Structural Tubing 8" x 12 ga. Channel
FLOORPLATE THICKNESS	1/8" 4-way Floorplate
TOTAL COMPARTMENT STORAGE CAPACITY	150.82 cubic feet (4.27 cubic meters)
TOTAL BODY WEIGHT	2900 lb (1315 kg)
TOTAL CARGO DECK SURFACE AREA	46.50 Square Feet (4.32 square meters)

COMPARTMENT SPECIFICATIONS

LEFT FRONT COMPARTMENT	52"H X 38-1/2"W X 22"D - 25.49 cubic feet (132.1 X 97.8 X 55.9 cm) - (0.72 cubic meters)
LEFT VERTICAL COMPARTMENT	52"H X 18"W X 22"D - 11.91 cubic feet (132.1 x 45.7 x 55.9 cm) - (0.34 cubic meters)
LEFT HORIZONTAL COMPARTMENT	32"H X 49"W X 22"D - 19.96 cubic feet (81.3 x 124.5 x 55.9 cm) - (0.57 cubic meters)
LEFT REAR COMPARTMENT	52"H X 27"W X 22"D - 17.86 cubic feet (132.1 x 68.6 x 55.9 cm) - (0.51 cubic meters)
RIGHT FRONT COMPARTMENT	52"H X 57"W X 22"D - 37.73 cubic feet (132.1 x 144.8 x 55.9 cm) - (1.07 cubic meters)
RIGHT HORIZONTAL COMPARTMENT	32"H X 49"W X 22"D - 19.96 cubic feet (81.3 x 124.5 x 55.9 cm) - (0.57 cubic meters)
RIGHT REAR CRANE MOUNTING COMPARTMENT	52"H X 27"W X 22"D - 17.86 cubic feet (132.1 x 68.6 x 55.9 cm) - (0.51 cubic meters)
REAR WORKBENCH W/THRU-COMPARTMENT	9.5"H X 77"W X 12"D - 5.10 cubic feet (24.1 x 195.6 x 30.9 cm) - (0.15 cubic meters)

Note: Dimensions of compartments are nominal.

STANDARD FEATURES

- Seven compartments of 14 ga. and 12 ga. galvanized steel.
- 12-gauge galvanized tops and backs.
- Rear curbside compartment reinforced for 1015 crane mounting.
- Compartment weatherproofing.
- Fold-down 8" (20.3cm) tailgate with latching hardware.
- Rear 18" workbench with thru-compartment.
- Four recessed cargo tie-downs.
- Two rear mounted grab handles.
- Galvanized seamless hemmed reinforced doors.
- Black composite T-handle latches.
- Stainless steel hinges.
- Spring loaded door stops on vertical doors.
- Body mounting kit.
- Primed and undercoated.
- Torsion box understructure.
- Integrated electrical control system with automotive style harnesses.
- Truck-Lite® related light and reflector kits with back-up alarm.
- Right hand vented oxygen/acetylene compartment.
- Molded rubber fender extensions.
- Hitch insert tube.

OPTIONAL EQUIPMENT

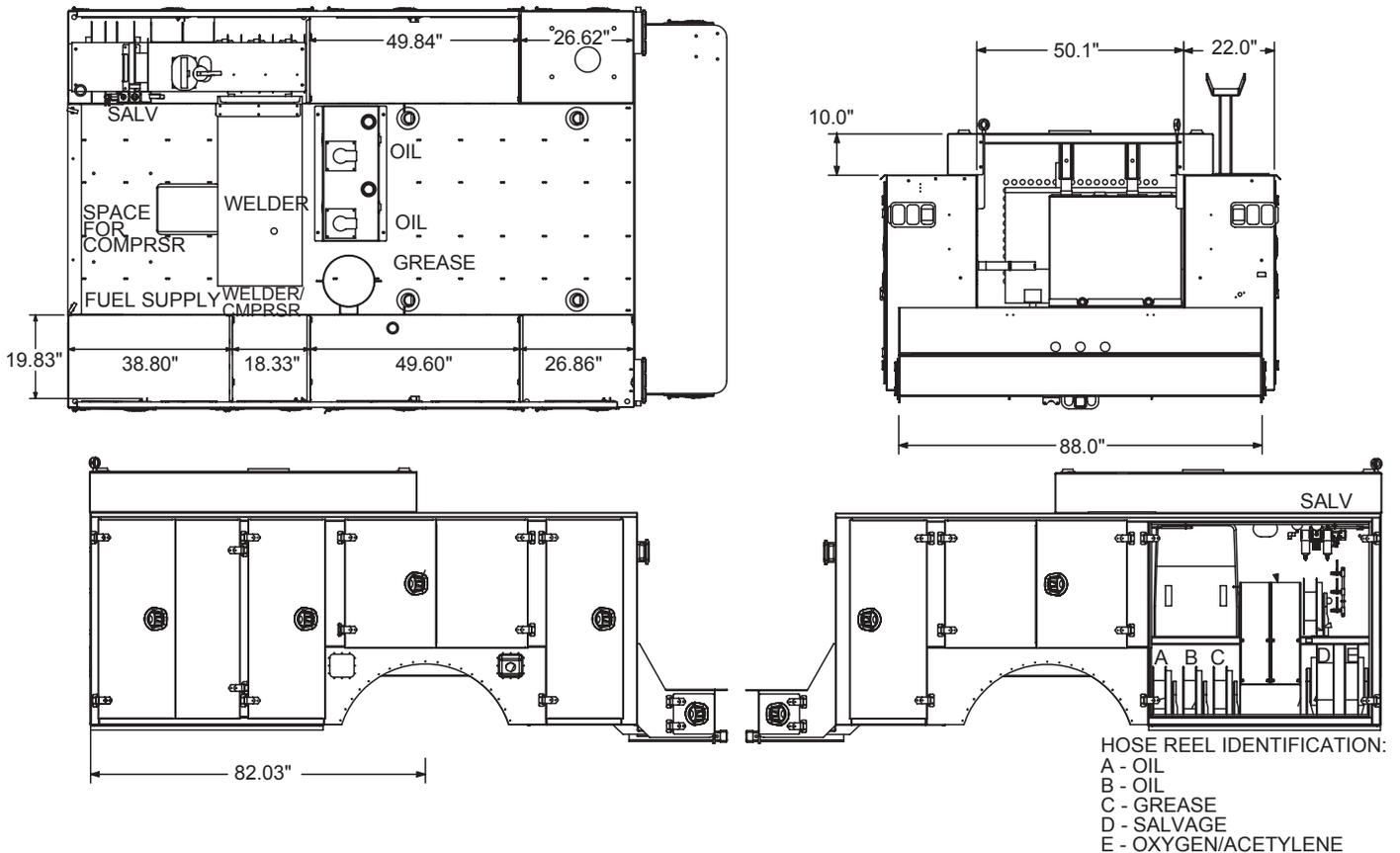
- Consult your local IMT Distributor for optional features and equipment.

REQUIRED EQUIPMENT

(if a crane is installed on the body)

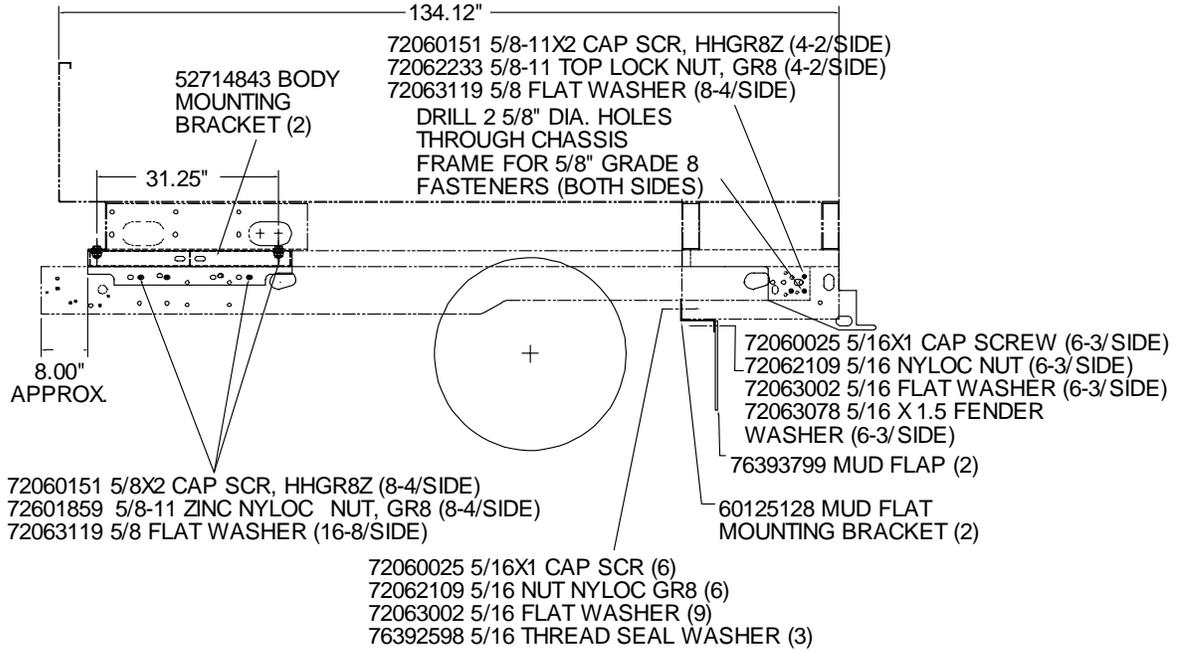
- 1015 Crane: Left Rear "Up-Down" Outrigger and Right Rear "Up-Down" Outrigger.

IMT reserves the right to change specifications and design without notice.



**MOUNTING KIT, 11' DOMINATOR
(93714835)**

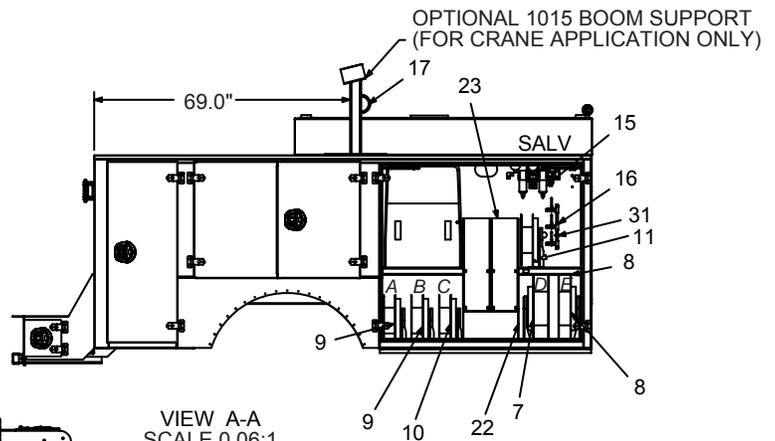
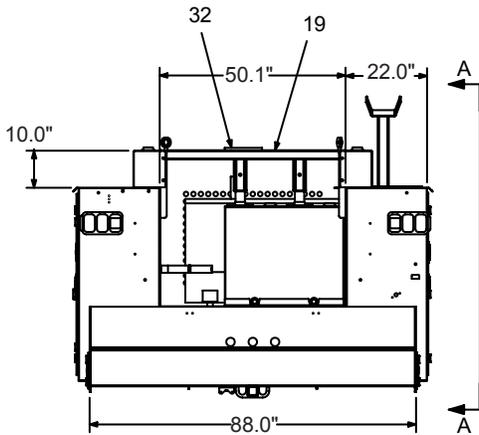
STREET SIDE VIEW SHOWN



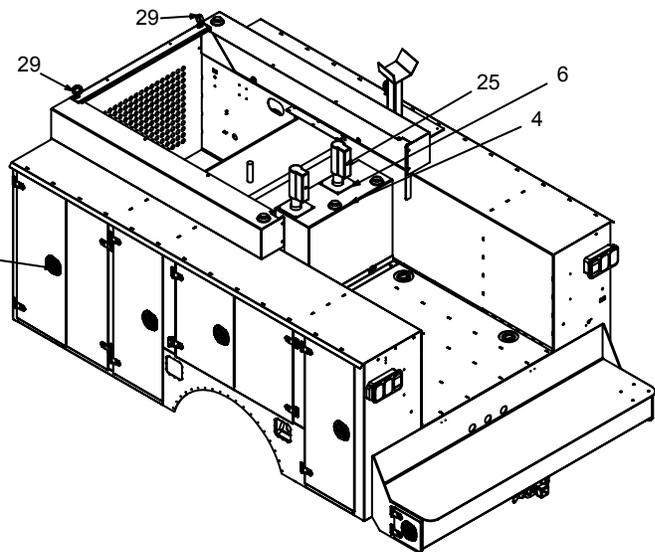
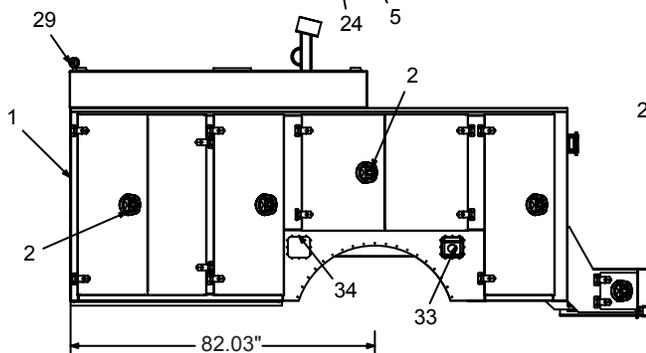
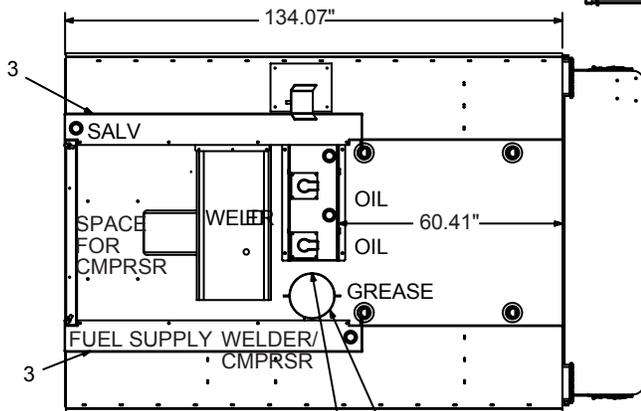
DOMINATOR 2 11' W/LP TANK (51719732)

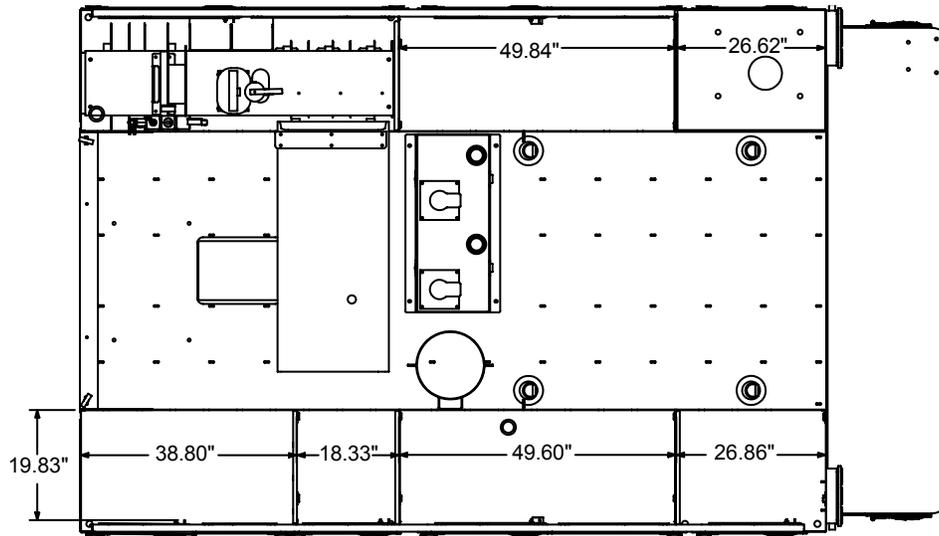
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|-----|----------|-----------------------------|---|
| 1. | 52719733 | BODY-DOM2 L-P-11 W-CRN | 1 |
| 2. | 72661599 | LATCH ASM-3PT COMPRESSION | 9 |
| 3. | 52719760 | TANK-WLDMT 24 GAL FUEL-SALV | 2 |
| 4. | 52719761 | TANK-WLDMT 24 GAL DUAL | 1 |
| 5. | 52707368 | MTG BRKT-AIR TANK 15GAL | 1 |
| 6. | 52709490 | MTG PLT-LUBE PUMP | 2 |
| 7. | 70733523 | HOSE REEL-.75X25FT SALV | 1 |
| 8. | 70733522 | HOSE REEL-OXY/ACET | 1 |
| 9. | 70733524 | HOSE REEL-OIL W/HOSE | 2 |
| 10. | 70733525 | HOSE REEL-GREASE | 1 |
| 11. | 70733526 | HOSE REEL-AIR W/35FT HOSE | 1 |
| 12. | 51716551 | PUMP ASM-SALVAGE | 1 |
| 13. | 52719863 | TROUGH- DRIP TRAY CRN BOX | 1 |
| 14. | 52719864 | ANGLE-DRIP TRAY MTG | 1 |
| 15. | 51719866 | FLR-.50 HOSE REEL | 1 |

- | | | | |
|-----|----------|-----------------------------|---|
| 16. | 51719867 | MANIFOLD-AIR PUM | 1 |
| 17. | 52719875 | PEDESTAL-WLDMT ADJ 1015 | 1 |
| 18. | | WELDER | 1 |
| 19. | 60251192 | COVER-LOADBED | 1 |
| 20. | 60128715 | ANGLE-REEL SHELF | 2 |
| 21. | 60128713 | SHELF-REELS | 1 |
| 22. | 60128714 | SHELF-OXY/ACT | 1 |
| 23. | 60128717 | BRACKET-OXY/ACT | 2 |
| 24. | 60123098 | BRACKET-GREASE PAIL | 1 |
| 25. | 70733533 | PUMP-OIL | 2 |
| 26. | 60128719 | BAR-WELDER MOUNT | 2 |
| 27. | 77040467 | LIGHT-MODULE LH W/ LED | 1 |
| 28. | 77040468 | LIGHT-MODULE RH W/ LED | 1 |
| 29. | 72601649 | BOLT-EYE .75-10X2.00CAST | 2 |
| 30. | 60250813 | GUARD-ROCK | 2 |
| 31. | 72066912 | BOLT-U .25-20X 1.12 ILX .62 | 2 |
| 32. | 70395940 | LID-ASM | 1 |
| 33. | 70144823 | RECESS-FILL NECK | 1 |
| 34. | 60121349 | COVER PLT-FILLNECK 980 | 1 |



HOSE REEL IDENTIFICATION:
 A - OIL
 B - OIL
 C - GREASE
 D - SALVAGE
 E - OXYGEN/ACETYLENE





COMPARTMENT DOORS

ITEM	COMPARTMENT DOOR	SIZE (INCHES)	PART NO.
1.	LEFT FRONT W/LATCH	19.00W X 48.88H	52719739
2.	LEFT FRONT W/O LATCH	16.00W X 48.88H	52711318
3.	LEFT VERTICAL #2	19.00W X 48.88H	52719739
4.	LEFT HORIZONTAL W/LATCH	31.50W X 22.50H	52719740
5.	LEFT HORIZONTAL W/O LATCH	31.50W X 22.50H	52713399
6.	LEFT REAR	19.00W X 48.88H	52719739
7.	RIGHT FRONT W/LATCH	27.88W X 48.88H	52719741
8.	RIGHT FRONT W/O LATCH	27.81W X 48.88H	52716554
9.	RIGHT HORIZONTAL W/LATCH	31.50W X 22.50H	52719740
10.	RIGHT HORIZONTAL W/O LATCH	31.50W X 22.50H	52713399
11.	RIGHT REAR	19.00W X 48.88H	52719739

LATCH ASSEMBLY COMPONENTS

LATCH-2PT W/STUDS	72661599
ROD-DOOR 14.38" W/OFFSET	60127636
ROD-DOOR 23.12"	60127446
REPLACEMENT LOCK & KEY	72661608
PIN & WASHER KIT	94732135
<i>94732135 PARTS</i>	
WASHER 5/16 RUBBER	REF
WASHER 5/16 FLAT	REF
COTTER PIN - LATCH	REF

COMPONENTS USED ON EACH DOOR

HINGE-STAINLESS STEEL	2	72661383
MACH SCR 1/4-20X3/4 TORX-SS	8	72601652
NUT 1/4-20 LOCK-SS	8	72062194
WASHER 1/4 SS	8	72063166
WELD NUT 1/4-20	2	72062264

GRAB HANDLE COMPONENTS

GRAB HANDLE	72661467
CAP SCR 5/16-18X1 PHHD SS	72601590
WASHER 5/16 WRT SS	72063152
NUT 5/16-18 LOCK SS	72062167

DECAL SETS

CONTRACTOR DECAL KIT (SEE DECAL PLACEMENT PAGE)	51716597
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RUBBER FENDER COMPONENTS

RUBBER FENDER	2 FT	89395455
RIVET 1/4X1/2 AL LARGE HEAD	38	72661384

WEATHERSTRIPPING COMPONENTS

WEATHERSTRIP W/ADHESIVE BACKING 5/8X1/2
89397086

(PRIOR TO 6-15-07, WAS 70393684)

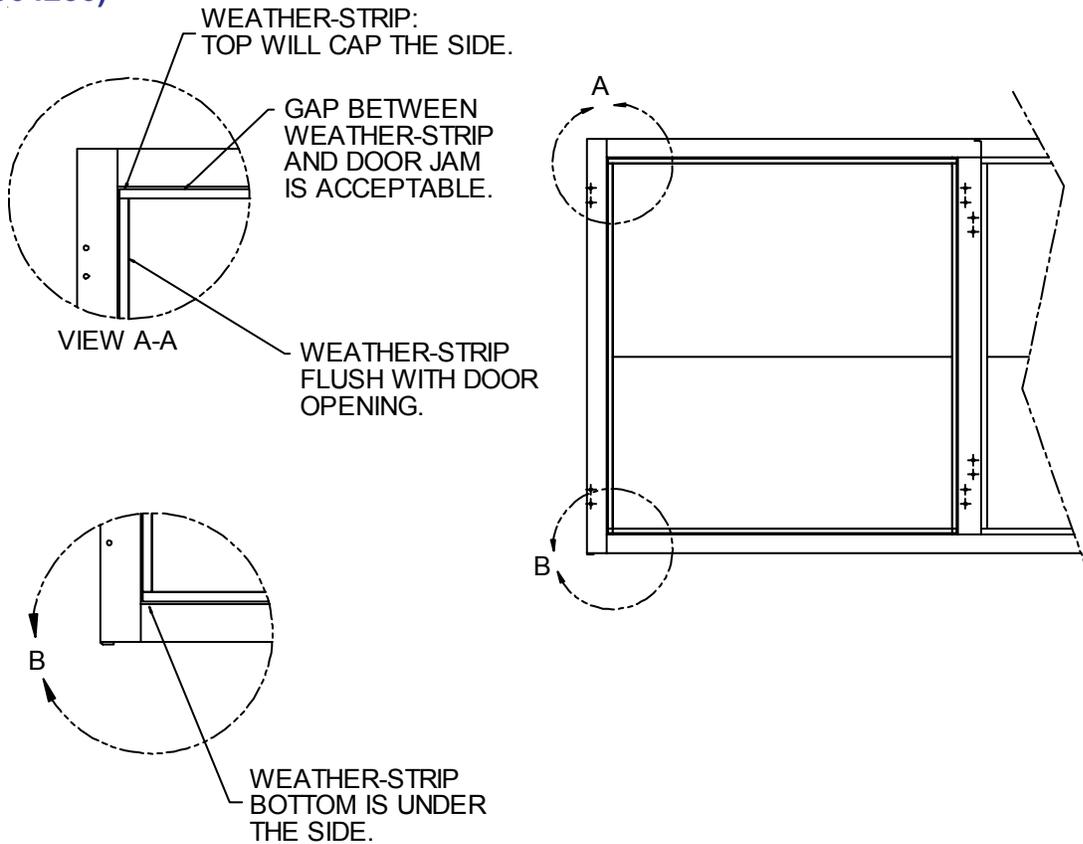
WEATHERSTRIP W/ADHESIVE (DBL DOOR) 3/4X3/8
89393638

WEATHERSTRIP ADHESIVE - TUBE
70067005

NOTE: WEATHERSTRIP ADHESIVE BACKING MUST
BE APPLIED SO THAT THE DOOR COMPRESSES
RATHER THAN SHEARS THE ADHESIVE STRIP.

WEATHERSTRIP INSTALLATION

(99904256)



DRAWER UNITS

PART NO.	OVERALL			DRWR QTY (HT)		
	W	H	D	3"	5"	7"
70733229	13	23	17.38		2	1
70733228	13	15	17.38	3		
70733227	13	21	17.38	3	1	
70733226	13	22	17.38		3	
70733216	13	22	17.38	5		
70733239	26	23	29.62		2	1
70733238	26	15	29.62	3		
70733237	26	21	29.62	3	1	
70733236	26	22	29.62		3	
70733235	26	22	29.62	5		
70733234	39	23	42.62		2	1
70733233	39	21	42.62	3	1	
70733232	39	22	42.62		3	
70733231	39	22	42.62	5		

COMMON COMPONENTS

- 72661457 LATCH-DRAWER PULL
- 70731440 DRAWER SLIDE
- 72601329 CAP SCR 5/16-18X3/4 BTNHD
- 72060023 CAP SCR 5/16-18X3/4 HHGR5
- CAP SCR #10-24X1/2 C'SNK
- PHILLIPS HD
- NUT 5/16-18 SERRATED

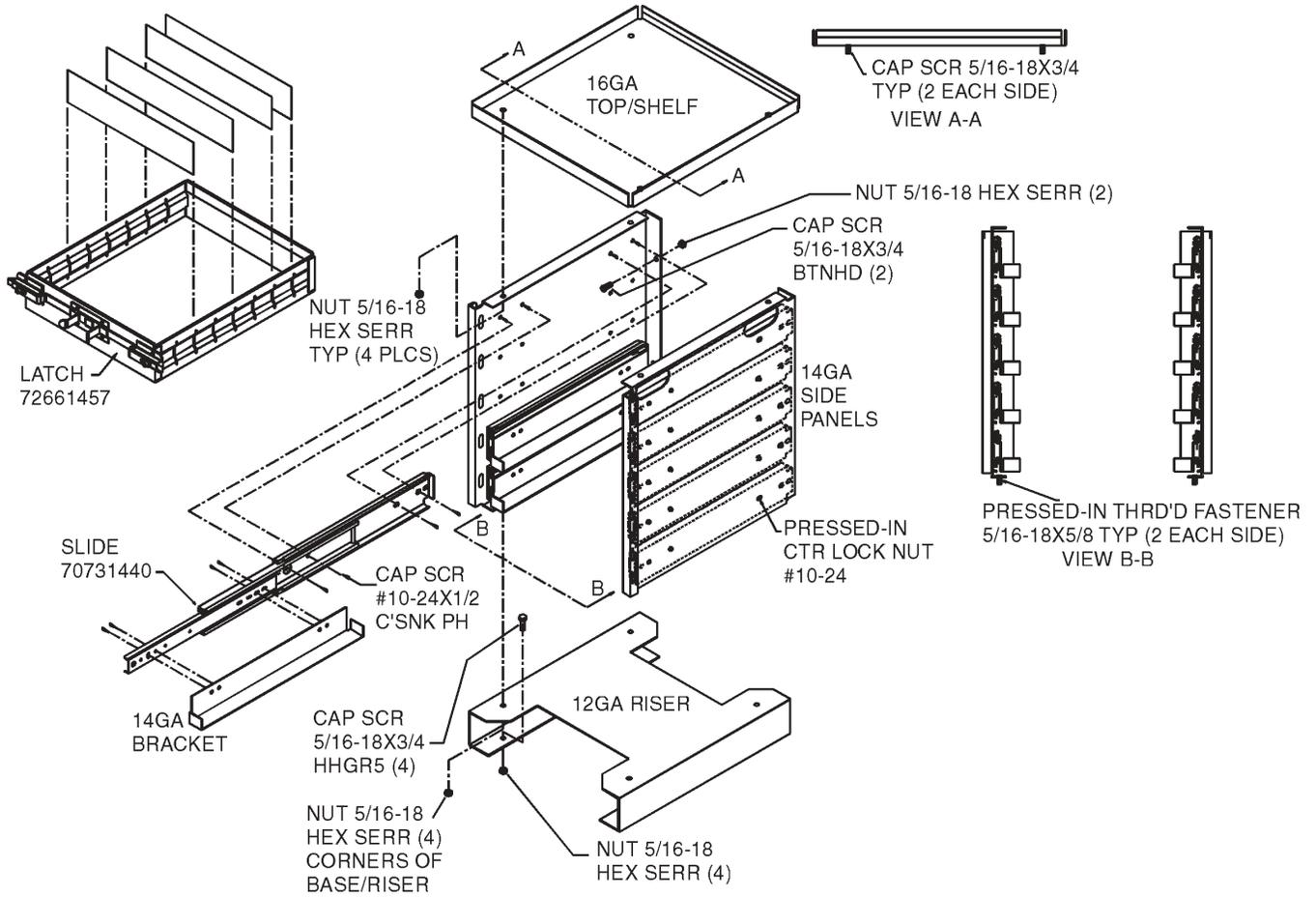
DRAWER KITS

PART NO.	NOMINAL		DRWR QTY (HT)						UNIT PART NO. (see above)	
			LOWER			TOP			LOWER	TOP
	W	H	3"	5"	7"	3"	5"	7"		
70733266	26	33		2	1	3			70733238	70733239
70733268	26	40		2	1		3		70733236	70733239
70733276	26	32	3	1		3			70733237	70733238
70733280	26	38		3		3	1		70733236	70733237
70733267	26	39	3	1		5			70733237	70733235
70733278	26	32		3		3			70733236	70733238
70733270	26	39		3		5			70733236	70733235
70733343	13	40		2	1	3	1		70733229	70733227
70733272	13	34		2	1	3			70733228	70733229
70733273	13	40		2	1	3			70733226	70733229
70733275	13	32	3	1		3			70733227	70733228
70733279	13	38		3		3	1		70733226	70733227
70733274	13	39	3	1		5			70733227	70733216
70733277	13	32		3		3			70733226	70733228
70733269	13	39		3		5			70733226	70733216

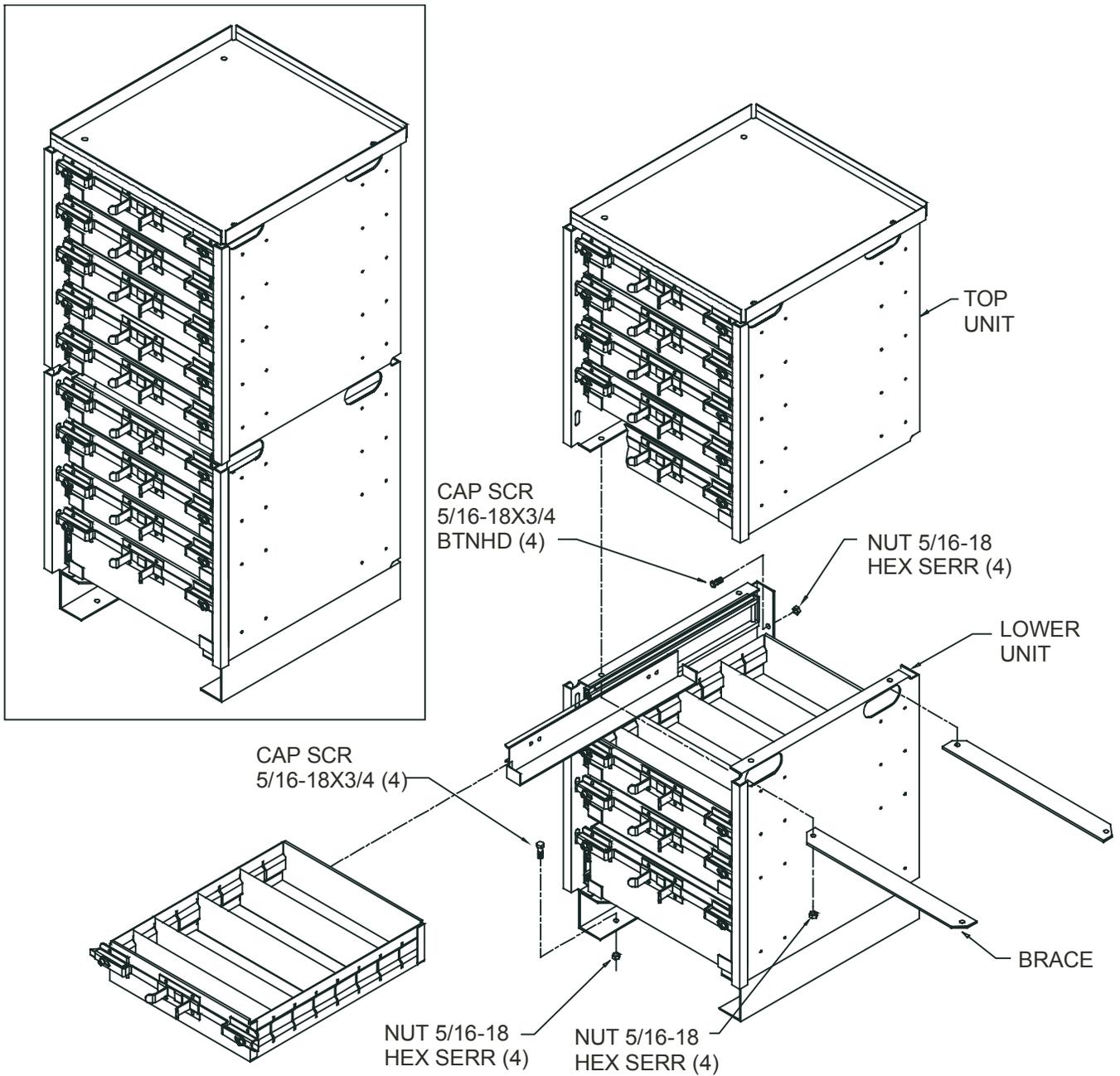
COMMON COMPONENTS

- 60120909 BRACE-13"
- 60120910 BRACE-26"
- 72601329 CAP SCR 5/16-18X3/4 BTNHD
- 72060023 CAP SCR 5/16-18X3/4 HHGR5
- NUT 5/16-18 SERRATED

DRAWER UNITS DRAWING (REFERENCE ONLY)

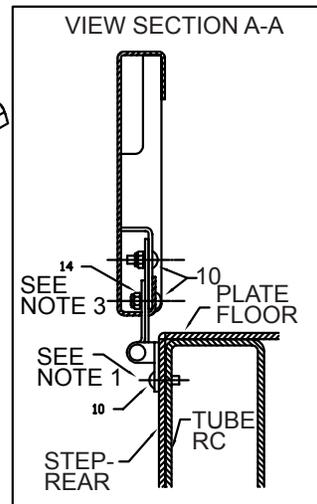
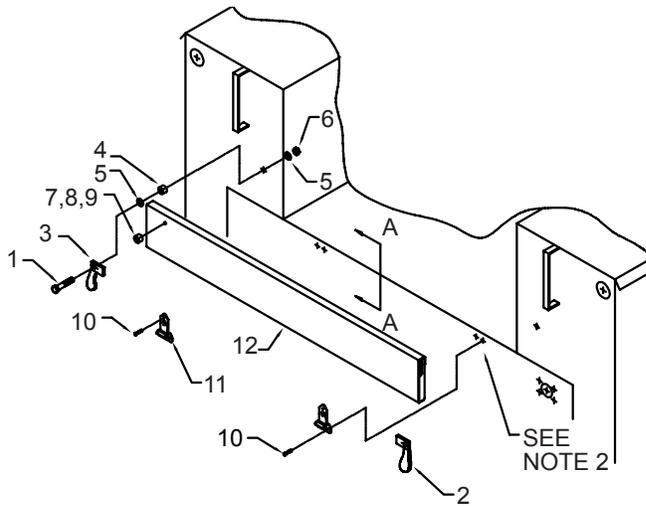


DRAWER KITS DRAWING (REFERENCE ONLY)



TAILGATE KIT (51711241)

1.	72060096	CAP SCR 1/2-13X2-1/2 HHGR5	2
2.	72066369	LATCH-RH	1
3.	72066368	LATCH-LH	1
4.	60030243	SPACER	2
5.	72063005	WASHER 1/2 WRT	4
6.	72062080	NUT 1/2-13 LOCK	2
7.	76039990	BUMPER-RUBBER	1
8.	72060636	MACH SCR #10-24X3/4 RDHD	1
9.	72062106	NUT #10-24 LOCK	1
10.	72601652	CAP SCR 1/4-20X3/4 TRHTORXSS	8
11.	72661383	HINGE	2
12.	52711219	TAILGATE	1
14.	72062194	NUT 1/4-20 LOCK SS	4



NOTES:

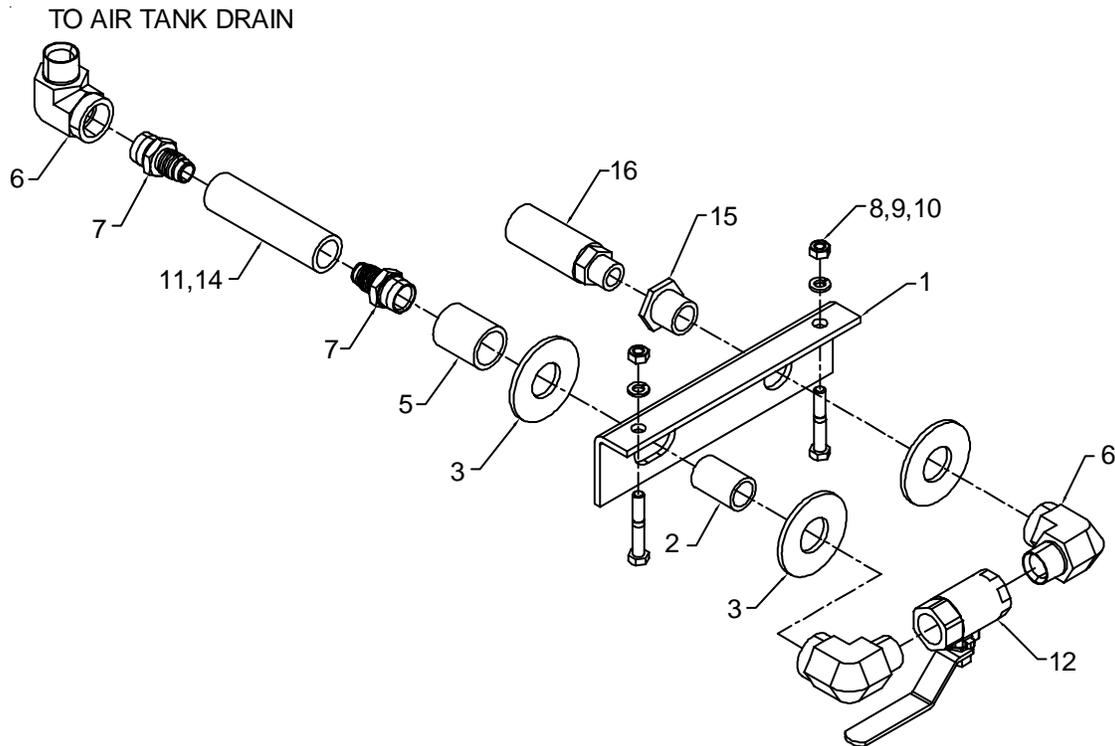
1. USE 70086113 LOCKTITE MATERIAL ON THREADS
- WHEN INSTALLING THE LOWER CAP SCREWS (72601652)
- (FOUR PLACES).
2. AT ASSEMBLY, DRILL 4 Ø.203 HOLES. LOCATE BY USING
- EXISTING HOLES IN DECK PLATE STEP.
3. THREADS WILL NOT EXTEND THROUGH NUT ON THIS FASTENER.

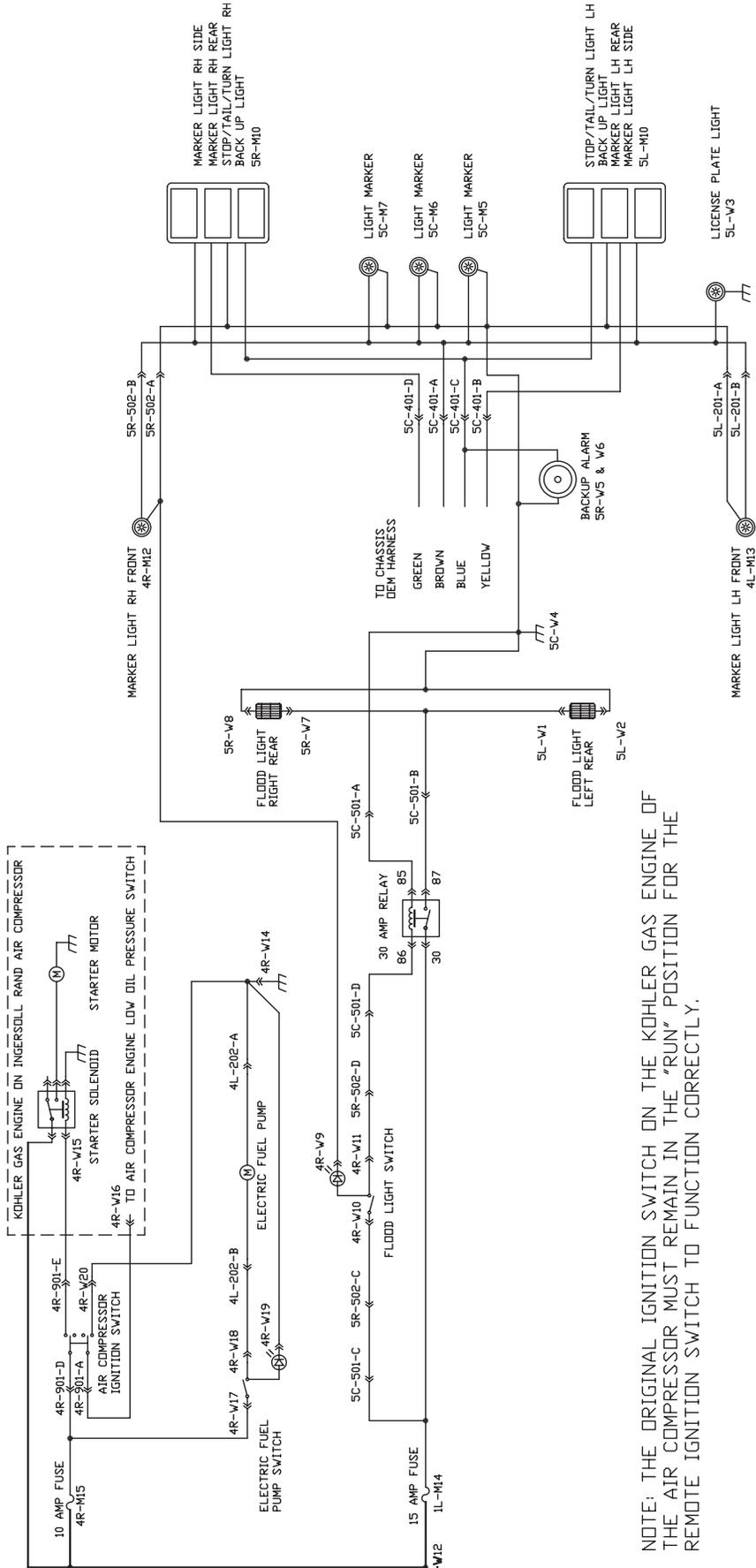
MOISTURE SEPARATOR/REGULATOR/OILER ASSEMBLY (51719866)



AIR TANK DRAIN ASSEMBLY (51709358)

1.	60116097	MOUNTING BRACKET, 3/4	1
2.	72053141	NIPPLE-PIPE BLK 3/4XCLOSE	1
3.	72063066	WASHER-FLAT 1"	3
5.	72053472	COUPLING-STL 3/4 HEX	1
6.	72053556	ELBOW-STREET STL 3/4 X 90	3
7.	72053458	NIPPLE-BARB BRS 3/4 MPT	2
8.	72060025	CAP SCR 5/16-18X1 HHGR5	2
9.	72062109	NUT 5/16-18 HEX NYLOC	2
10.	72063002	WASHER 5/16 FLAT	2
11.	89392349	HOSE-GP 3/4X300# WP	10'
12.	73054230	VALVE-BALL 3/4	1
13.	70391601	DECAL-AIR TANK DRAIN	1
14.	72066000	CLAMP-#12 HOSE	2
15.	72531833	RED BUSHING-STL 3/4-1/2	1
16.	70396133	MUFFLER-AIR 1/2" NPT	1



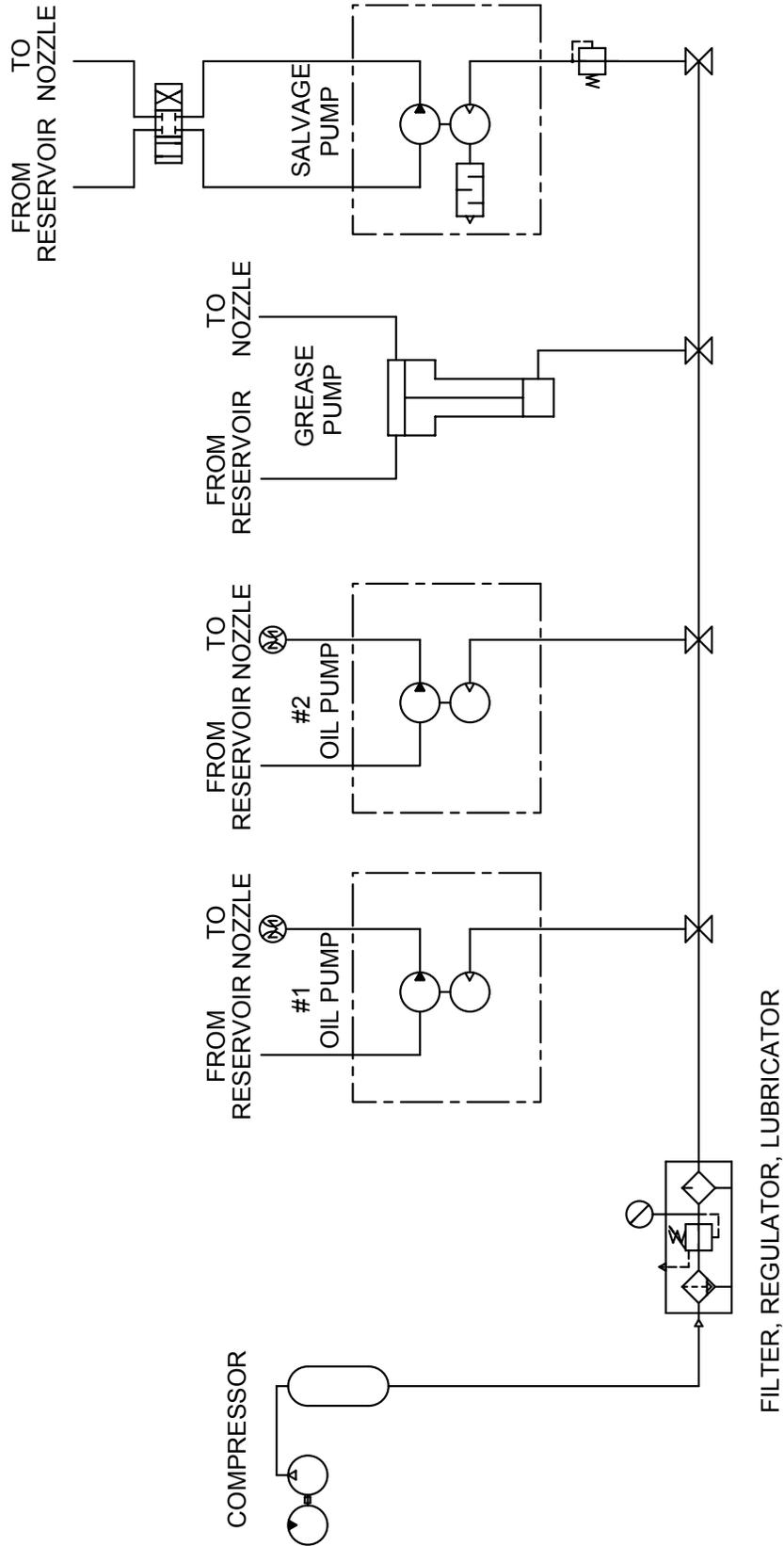


NOTE: THE ORIGINAL IGNITION SWITCH ON THE KOHLER GAS ENGINE OF THE AIR COMPRESSOR MUST REMAIN IN THE "RUN" POSITION FOR THE REMOTE IGNITION SWITCH TO FUNCTION CORRECTLY.

WIRING SCHEMATIC CONNECTORS (99903798)

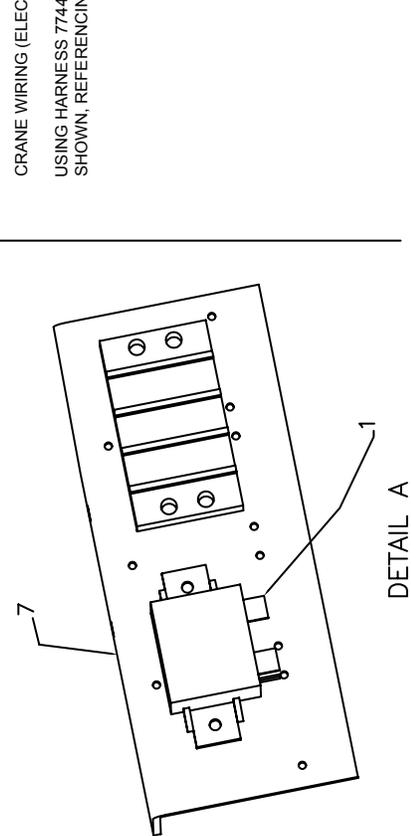
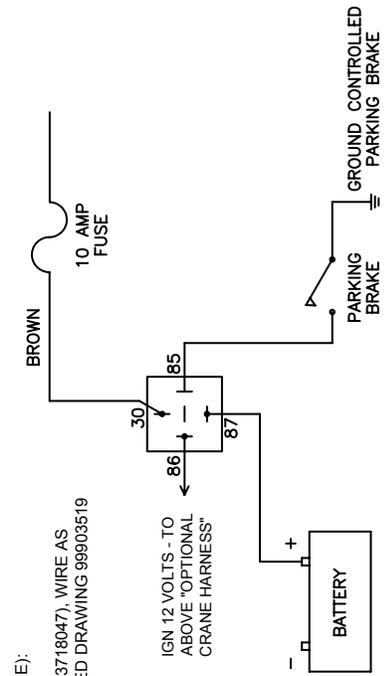
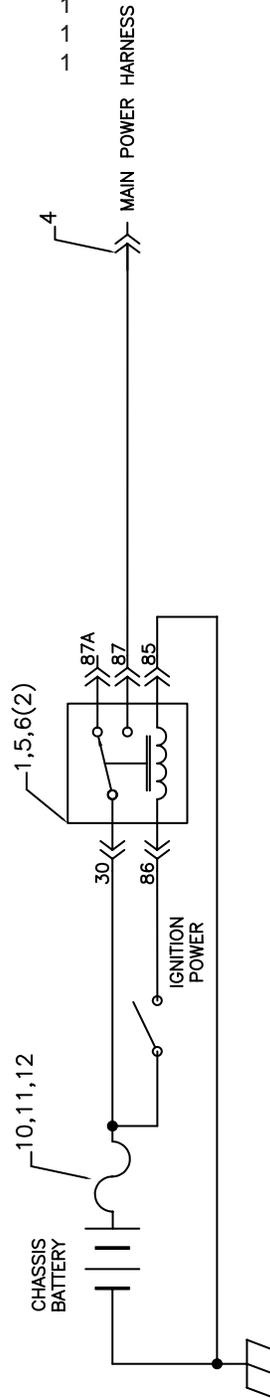
5L-V1, 5R-V7		FLOOD	5L-V2, 5R-V6, 5R-V8		GROUND	5L-V3		TAIL LIGHT	5R-V5		BACK UP
4R-V9		GROUND	4R-V10		SWTCH PWR	4R-V11		SWTCH OUT	4R-V13		12V POWER
4R-V14		GROUND	4R-V15		SOLENOID	4R-V16		ENGINE KILL	4R-V18		FUEL PUMP
4R-V19		GROUND	4R-V20		GROUND	5L-201		A-GROUND B-MRKR LIGHT	4L-202		A-GROUND B-FUEL PUMP
5L-M10		A-GRD B-B/U C-TAIL D-LH TURN	5R-M10		A-GRD B-B/U C-TAIL D-RH TURN	5C-401		A-TAIL LIGHT B-LT TURN C-BACKUP D-RT TURN	5C-501		A-GROUND B-FLOOD C-SWITCH PWR D-SWITCH OUT
5R-502		A-GROUND B-MRKR LIGHT C-SWITCH PWR D-SWITCH OUT	1L-801		30-12V POWER 85-GROUND 86-SWITCH OUT 87-FLOOD	4R-901		A-ENGINE KILL B-NOT USED C-NOT USED D-12V POWER E-SOLENOID			

SYSTEMS SCHEMATIC - AIR / LUBE SYSTEM (99903268)

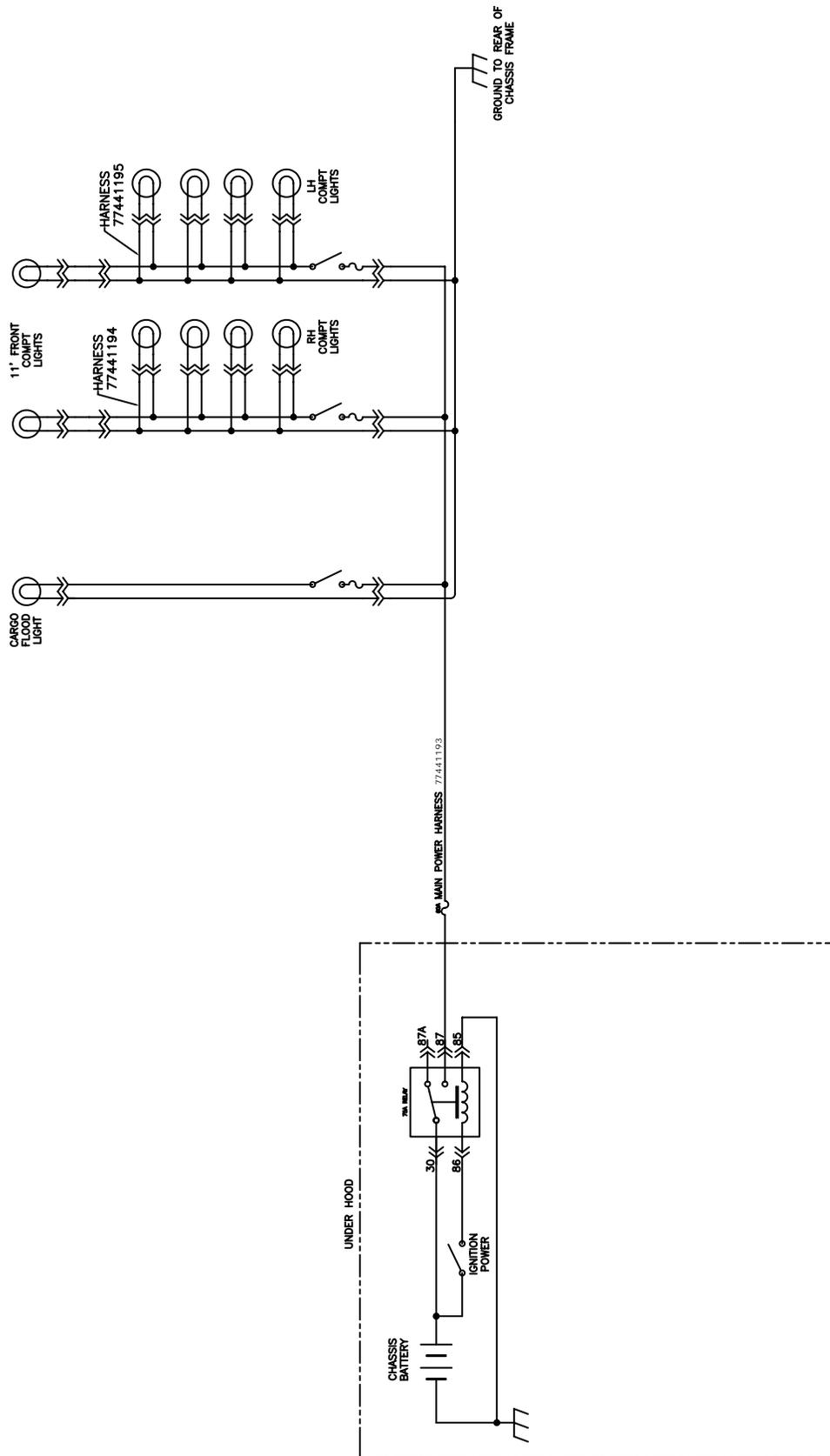


SCHEMATIC, FRONT END WIRING (99903921)

- | | | | |
|-----|----------|-----------------------------|---|
| 1. | 77040391 | RELAY | 1 |
| 4. | 77045905 | HARNESS, MAIN POWER | 1 |
| 5. | 77040186 | TERMINAL | 2 |
| 7. | 60124592 | BRACKET, SWITCH (NOT SHN) | 1 |
| 8. | 70396254 | DECAL-SWITCH BRKT (NOT SHN) | 1 |
| 9. | 60250624 | BRACKET, CIRCUIT BRKR MTG | 1 |
| 10. | 77041619 | FUSE-60 AMP MAXI | 1 |
| 11. | 77041628 | FUSE-HOLDER | 1 |
| 12. | 77041615 | FUSE-COVER | 1 |

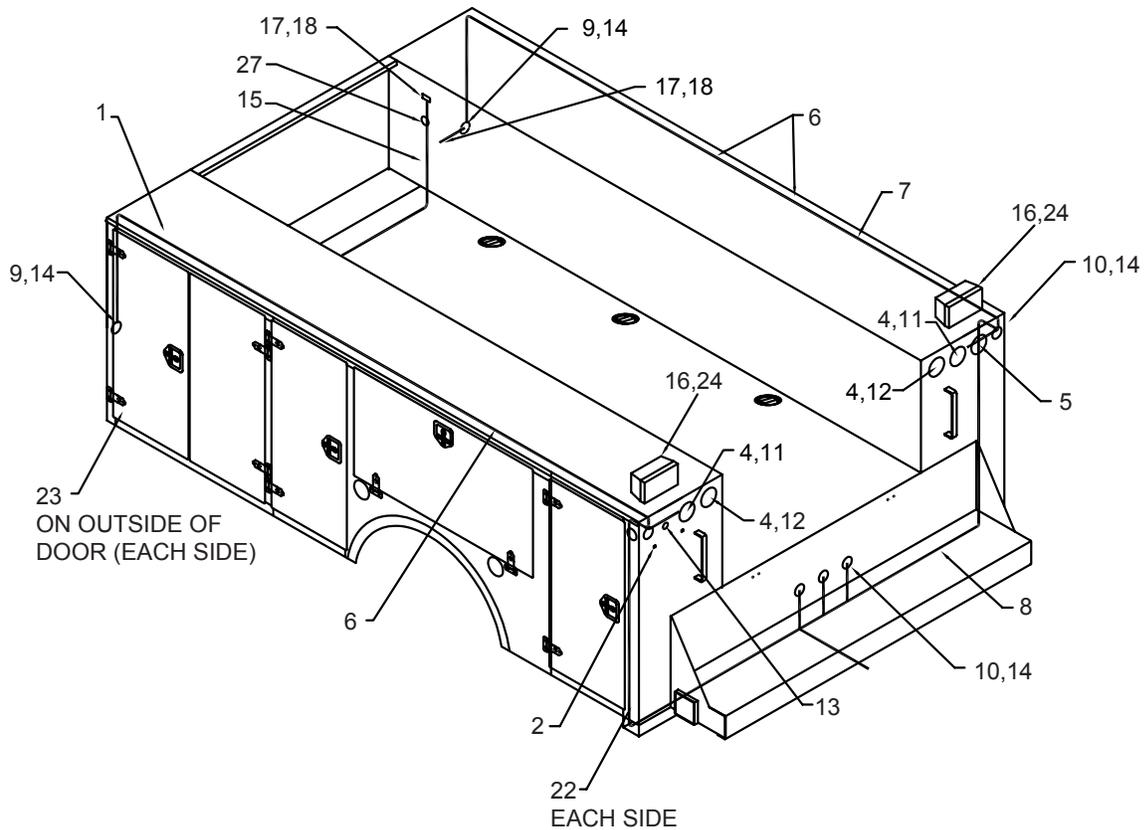


INSTALL KIT #51720079



HARNESS ROUTING (99903269)

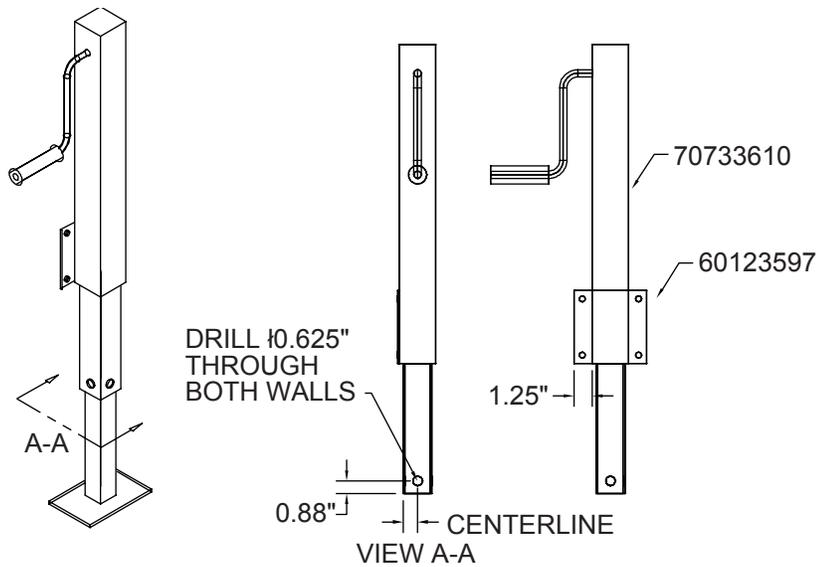
1.	77044974	HARNESS-MARKER FRONT	1
2.	51715985	KIT-LICENSE PLATE HARDWARE	1
3.	77044975	HARNESS-POWER (NOT SHOWN)	1
4.	76392275	GROMMET-TAIL LIGHT	4
5.	51714251	ALARM KIT-BACK UP MECHANICS	1
6.	70145799	RETAINER-ELEC HARNESS	24
7.	77044976	HARNESS-FLD SWTCH MRK	1
8.	77441183	HARNESS-REAR W/TRAILER	1
9.	77040358	LIGHT-CLEAR AMBER	2
10.	77040357	LIGHT-CLEAR RED	7
11.	77040188	LAMP-STOP/TURN/TAIL 4.00"	2
12.	77040180	LIGHT-BACKUP	2
13.	77040006	LIGHT-LICENSE PLATE	1
14.	76393636	GROMMET-RUBBER 2.00"	9
15.	77044982	HARNESS-CMPR REMOTE	1
16.	77040193	FLOODLIGHT-12V DRIVING HAL	2
17.	77041500	SWITCH-ROCKER BODY	2
18.	77041499	SWITCH-ROCKER RED ACT	2
19.	77044623	CONN-PKRD F 4-WAY (NOT SHN)	1
20.	77044550	TERM-FEM 18-20GA (NOT SHN)	4
21.	70394069	SEAL-CABLE CONN (NOT SHOWN)	6
22.	70039057	REFLECTOR-RED	4
23.	70039058	REFLECTOR-AMBER	2
24.	77044467	TERM-BULLET RECP	5
25.	77044552	TERM-MALE 18-20GA (NOT SHN)	2
26.	77044573	CONN-PKRD M 2-WAY (NOT SHN)	1
27.	77041618	SWITCH-IGNITION IR AIR CMPR	1
28.	77041593	FUSEHOLDER (NOT SHOWN)	1
29.	77041592	FUSE (NOT SHOWN)	1



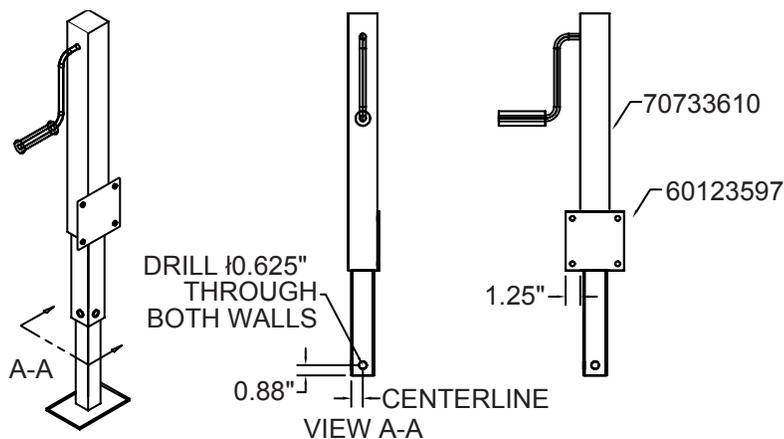
CRANE ACCESSORIES KIT (51719886)

ITEM	DESCRIPTION	QUANTITY
51719874	HARDWARE KIT	1
52717000	OUTRG ASM- JACK LEG RH	1
52717001	OUTRG ASM - JACK LEG LH	1
52719863	TROUGH-WELDMENT	1
52719864	ANGLE-DRIP TRAY	1
52719875	PEDESTAL-WLDMT ADJ	1
60116698	DRIP TRAY-CRANE COMPT	1
89392349	HOSE-GP .75 X 250	4.25'

**OUTRIGGER ASSEMBLY, JACKLEG,
 RIGHT REAR (52717000)**
 (INCLUDED IN 51719886)

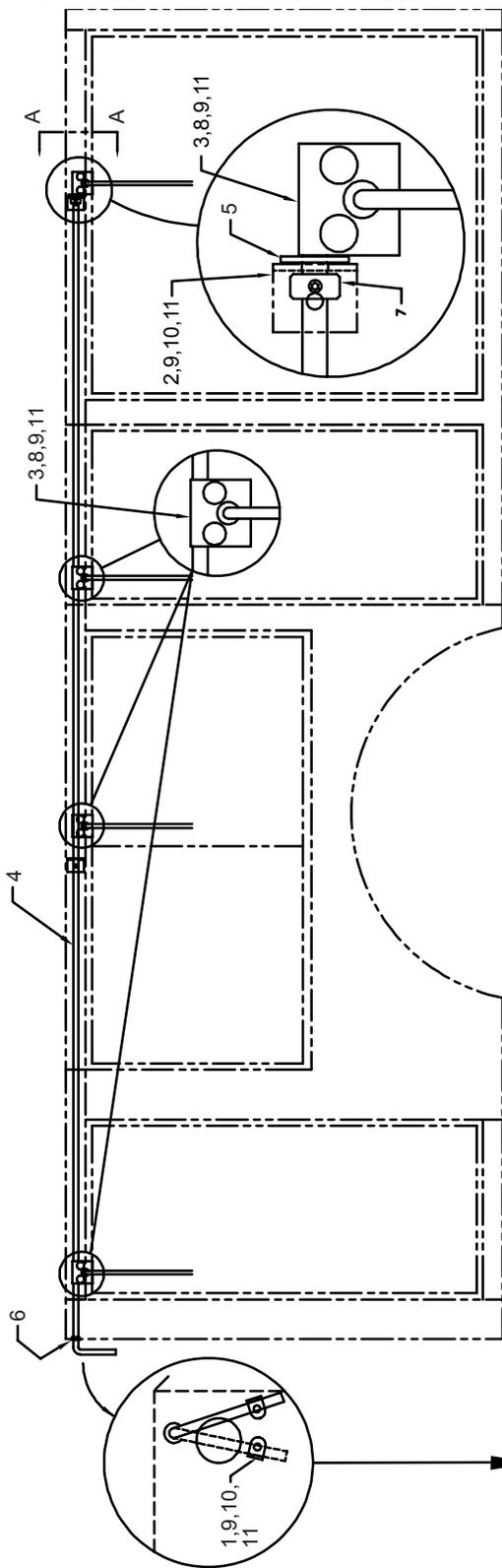


**OUTRIGGER ASSEMBLY, JACKLEG, LEFT
 REAR (52717001)**
 (INCLUDED IN 51719886)

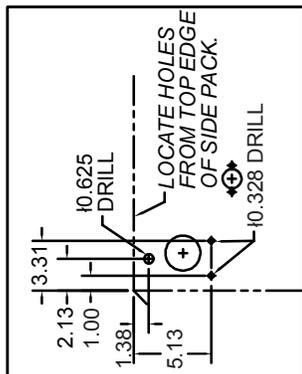
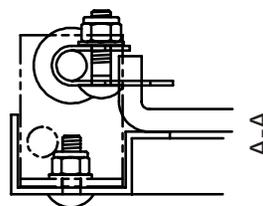


**OPTION - MASTER LOCK SYSTEM
 (51713945)**

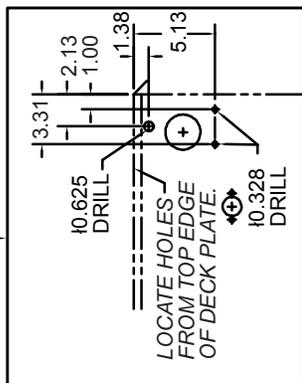
1.	60117213	BRACKET-PADLOCK	4
2.	60117214	BRACKET-ROD HANGER	4
3.	60117216	BRACKET-ROD STOP	8
4.	60117217	ROD 120X6	2
5.	72063004	WASHER 7/16 WRT	2
6.	70034277	GROMMET	2
7.	70143654	COLLAR	2
8.	72601435	CARR BOLT 5/16-18X1-1/4 SQNK	16
9.	72062109	NUT 5/16-18 LOCK	24
10.	72601590	CAP SCR 5/16-18X1 TRH PHH SS	8
11.	72063001	WASHER 1/4 WRT	24



RIGHT HAND SIDE PACK SHOWN



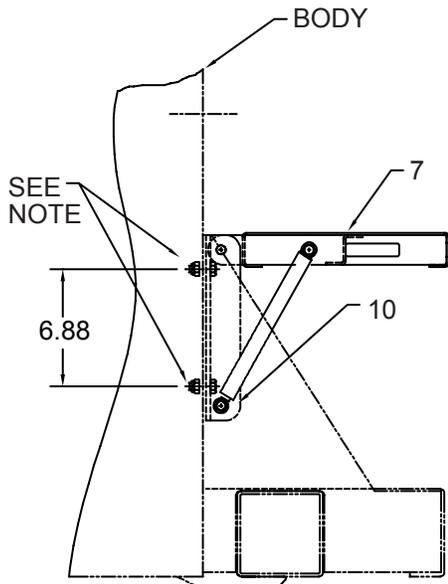
REAR CORNER
 WITHOUT CRANE BOX



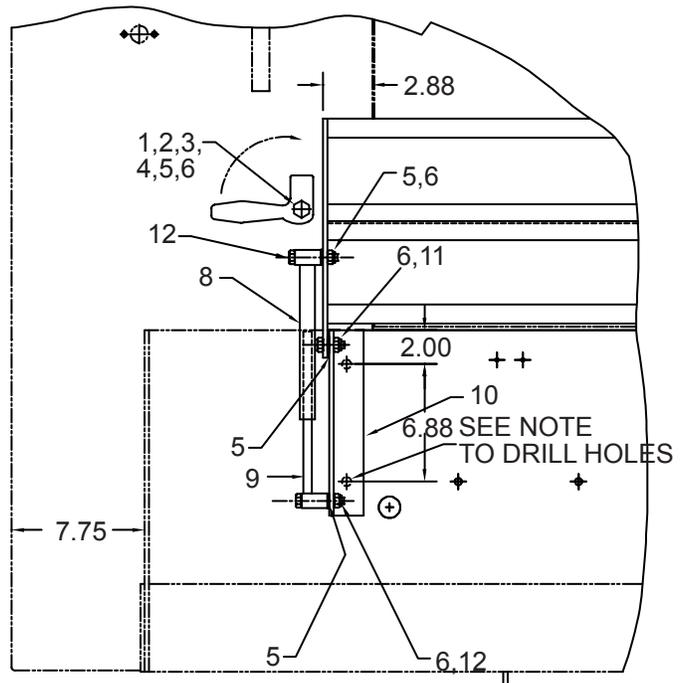
REAR CORNER
 WITH CRANE BOX

**OPTION - TAILGATE/WORKBENCH KIT
 (51711406)**

1.	72060096	CAP SCR 1/2-13X2-1/2 HHGR5	2
2.	72066369	LATCH-RH	1
3.	72066368	LATCH-LH	1
4.	60030243	SPACER	2
5.	72063005	WASHER 1/2 WRT	14
6.	72062080	NUT 1/2-13 LOCK	12
7.	52711403	TAILGATE/WORKBENCH	1
8.	52714419	SUPPORT TUBE	2
9.	52714418	SUPPORT ROD	2
10.	60120876	MOUNTING ANGLE	2
11.	72060093	CAP SCR 1/2-13X1-1/2 HHGR5	6
12.	72060986	CAP SCR 1/2-13X2-3/4 HHGR5	4
13.	72060098	CAP SCR 1/2-13X3.5 HHGR5	2
14.	60030171	SPACER	2



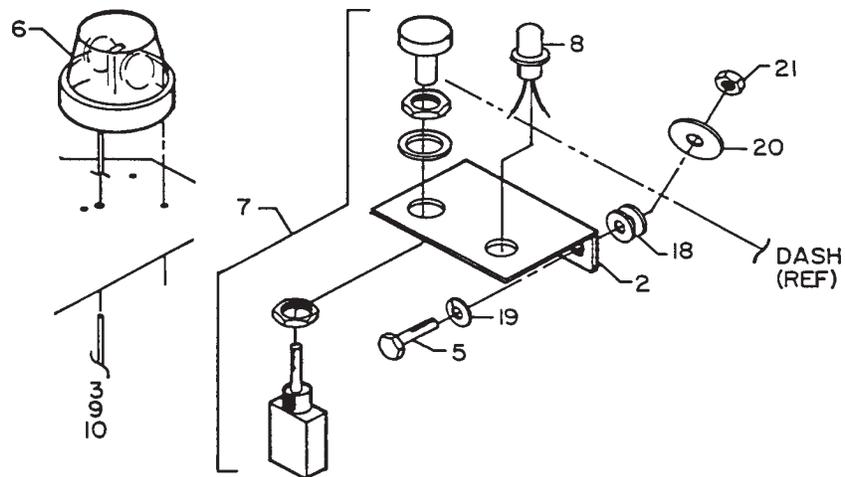
NOTE: AT ASSEMBLY, DRILL
 4 \varnothing .531" HOLES BY USING
 EXISTING HOLES.
 (REFER TO 60116927 FOR
 MOUNTING ANGLE INFO.)



**OPTION - ROTATING BEACON LIGHT-
AMBER W/MOUNTING KIT (77040013)**

NOTE: SEE INSTALLATION INSTRUCTIONS WHICH ACCOMPANY THE BEACON LIGHT. USE AN EXISTING SWITCH BRACKET OR THE INDIVIDUAL PARTS LISTED BELOW FOR SWITCH MOUNTING.

2.	60103464	DASH BRACKET	1
3.	70034083	NYLON CLAMP - 7/16"	3
4.	70391251	DECAL-BEACON LIGHT	1
5.	72060004	CAP SCR 1/4-20X1 HHGR5	2
7.	77041014	PUSH/PULL SWITCH W/FUSE	1
8.	77042001	RED INDICATOR LIGHT	1
9.	89044001	WIRE 14 GA (SPECIFY LENGTH)	
10.	89044073	CONDUIT 1/2" FLEX (SPECIFY LENGTH)	
18.	72063001	WASHER 1/4 WRT	4
19.	72063049	WASHER 1/4 LOCK	2
20.	72063078	WASHER 5/16X1 5/8 O.D.	2
21.	72062000	NUT 1/4-20 HEX	2



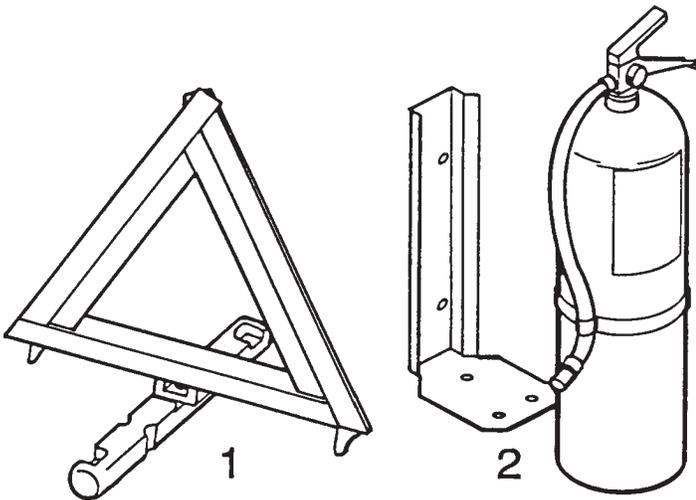
OPTIONS - ACCESSORIES

I.C.C. SAFETY KIT (92091010)

- 1. 70073146 TRIANGULAR REFLECTOR KIT 1
 (INCLUDES 3 REFLECTORS AND CASE)
- 2. 70073147 FIRE EXTINGUISHER 1
 (WITH BRACKET)

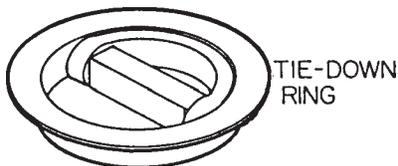
INDIVIDUAL FIRE EXTINGUISHERS

- 70073622 FIRE EXTINGUISHER - 10 LB W/
- BRKT70073091 FIRE EXTINGUISHER - 20 LB W/BRKT

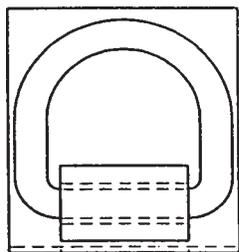


CARGO TIE-DOWN RING (72661303)

NOTE: WELD ALL AROUND OUTSIDE TOP SURFACE.

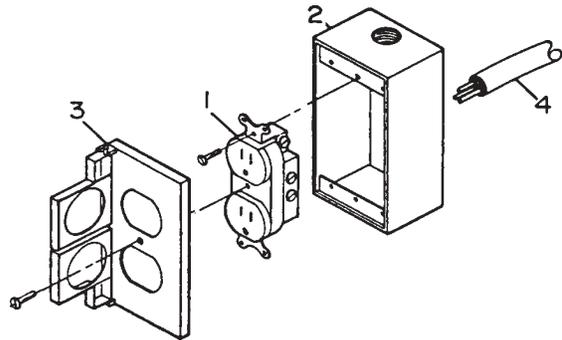


CARGO TIE-DOWN RING (SIDE MOUNTED/RECESSED) (52709830)



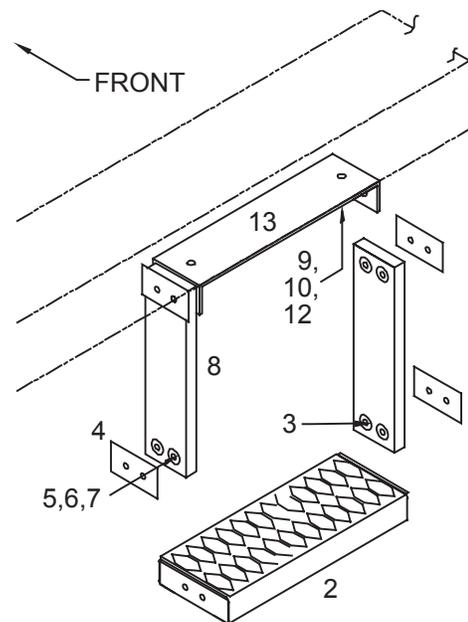
OUTLET KIT-110V (51707760)

- 1. 77044102 RECEPTACLE WITH GROUND 1
- 2. 77044106 WEATHER PROOF BOX 1
- 3. 77044251 WEATHER PROOF COVER 1
- 4. 89044072 CABLE 12GA/3 WIRE X 216" 1



STEP ASSEMBLY (51714095)

- 1. 51716359 KIT-HARDWARE (INCL:5-7,9-12) 1
- 2. 52714111 STEP 1
- 3. 60104783 SLEEVE 8
- 4. 60120490 PLATE 4
- 5. 72060027 CAP SCR 5/16-18X1-1/2 HHGR5 8REF
- 6. 72062109 NUT 5/16-18 LOCK 8REF
- 7. 72063002 WASHER 5/16 WRT 16REF
- 8. 76394672 BELT-RUBBER 2
- 9. 72063051 WASHER 3/8 LOCK 2REF
- 10. 72060046 CAP SCR 3/8-16X1 HHGR5 2REF
- 11. 72062103 NUT 3/8-16 LOCK 2REF
- 12. 72063003 WASHER 3/8 WRT 4REF
- 13. 60122841 BRACKET 1



THIS IS VIEWED IN A RIGHT-HAND APPLICATION.
 LEFT-HAND APPLICATION WILL BE OPPOSITE.
 INSERT SLEEVE INTO EACH HOLE IN RUBBER BELT.

SPARE PARTS LIST

OIL SYSTEM (2)

52719761 2 SECTION TANK (OIL/OIL)
70733524 OIL REEL (2)
73052119 OIL NOZZLE W/METER (2)
70733533 OIL PUMP
70732184 OIL FILL NECK ASSEMBLY W/CAP

GREASE SYSTEM

70733525 GREASE REEL
70733570 GREASE SWIVEL
70733534 GREASE PUMP PACKAGE

AIR SYSTEM

70733520 AIR COMPRESSOR (INGERSOLL RAND)
70733563 CHOKE CABLE ASSEMBLY
70733526 AIR REEL
72532021 QUICK DISCONNECT COUPLER
72532038 QUICK DISCONNECT NIPPLE
51715850 AIR SYSTEM F-R-L

OXYGEN / ACETYLENE SYSTEM

70733522 OXY/ACT REEL
70733539 OXY/ACT TORCH KIT
70733516 OXY/ACT BOTTLE STRAPS
51716581 OXY/ACT TWIN HOSE (6' LONG)

SALVAGE SYSTEM

52719760 TANK (SALVAGE)
51716551 SALVAGE PUMP ASSEMBLY
70733535 SALVAGE PUMP (PART OF 51716551)
70733523 SALVAGE REEL
70732184 SALVAGE FILL NECK ASSEMBLY W/CAP

WELDER SYSTEM

70733521 WELDER UNIT (MILLER LEGEND NT)
51706696 WELDER LEAD HOOK (BOLT-ON HOOK)
70733540 WELDER LEADS

FUEL SYSTEM (AUXILIARY)

52719760 FUEL TANK (24 GALLON)
70733544 PUMP AUXILIARY - 16 GALLON FUEL SYSTEM
72533702 FUEL FILL NECK W/CAP
70733546 FUEL SYSTEM AUXILIARY FILTER

MISCELLANEOUS

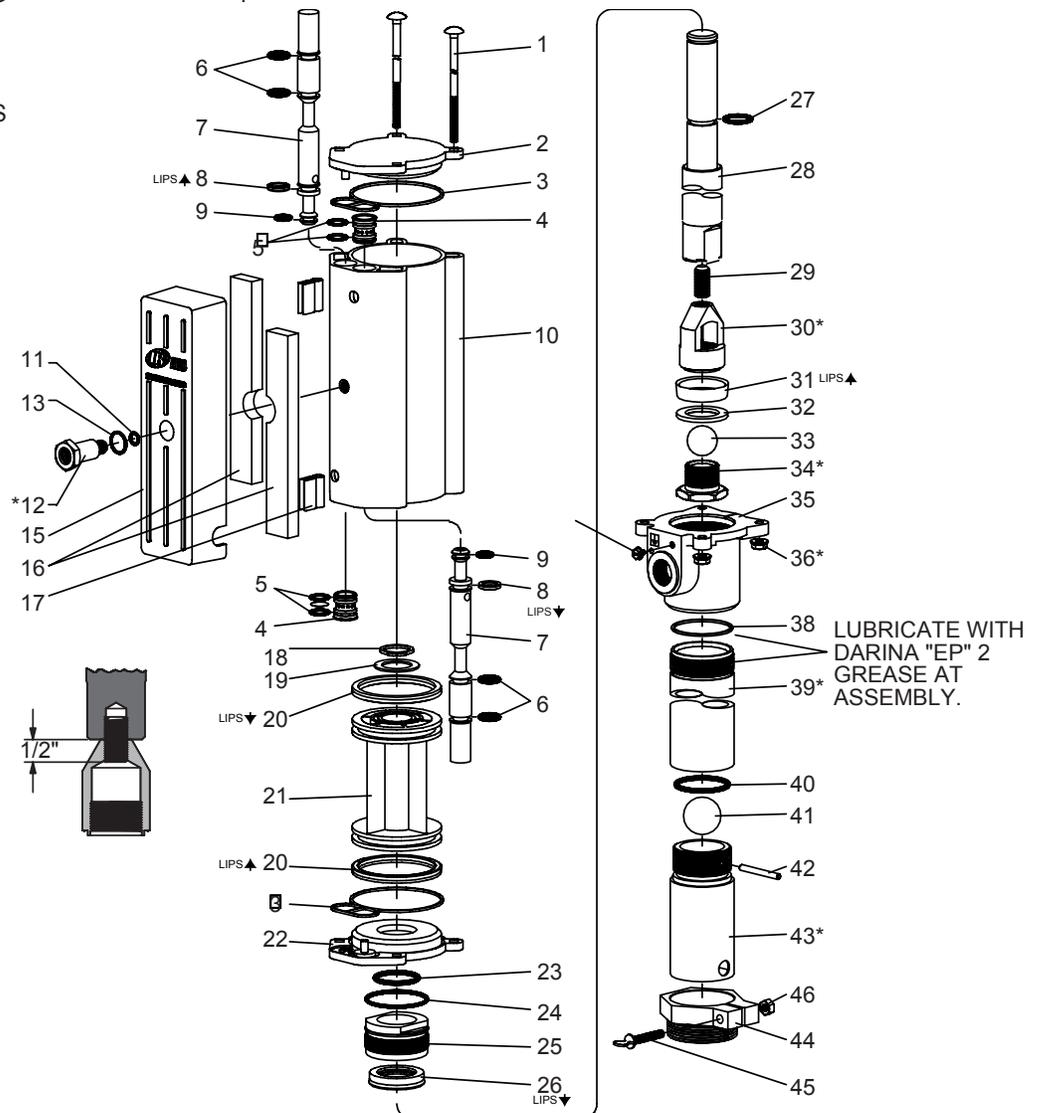
77044986 JUMP START BATTERY CONNECTOR END
70146321 EXHAUST CAP W/FLIPPER
70733536 VISE-COMBINATION (4-1/2")
70733258 DRAWER KIT
60250973 LOAD BED COVER (1/8 ALUMINUM DECK PLATE)
51719520 JUMP START KIT FOR FRONT BUMPER
51719886 1015 CRANE ACCESSORY KIT (CRANE NOT INCLUDED)

OIL PUMP ASSEMBLY (70733533)

1.	CARRIAGE BOLT, 1/4-20 X 9	4
2.	71413573 UPPER CAP	1
3.	PART OF 47 GASKET	2
4.	SLEEVE	2
5.	PART OF 47 O-RING, 1/16" X 11/16" OD	4
6.	PART OF 47 O-RING, 1/8" X 3/4" OD	4
7.	SPOOL	2
8.	PART OF 47 U-CUP, 1/8" X 3/4" OD	2
9.	PART OF 47 O-RING, .106 X .587" OD	2
10.	CYLINDER	1
11.	PART OF 47 O-RING, 1/16" X 7/16" OD	1
12.	ADAPTER	1
13.	PART OF 47 O-RING, 1/16" X 3/4"	1
15.	MUFFLER HOUSING	1
16.	FOAM LINER	2
17.	EDGE TRIM	2
18.	RETAINING RING	1
19.	WASHER	1
20.	PART OF 47 U-CUP, 3/16" X 3" OD	2
21.	PISTON	1
22.	LOWER CAP	1
23.	PART OF 47 O-RING, 1/8" X 1-9/16" OD	1
24.	PART OF 47 O-RING, 3/32" X 2-1/8" OD	1
25.	BUSHING	1

26.	PART OF 47 PACKING, 3/8" X 1-13/16" OD	1
27.	PART OF 47 O-RING, 3/32" X 1" OD	1
28.	PISTON ROD	1
29.	ROD	1
30.	CUP FOLLOWER	1
31.	PART OF 47 PISTON CUP	1
32.	WASHER	1
33.	BALL	1
34.	INNER CHECK SEAT	1
35.	BASE	1
36.	NUT, 1/4" - 20	4
37.	GROUND SCREW, #10 -32X1/4" 1	
38.	PART OF 47 GASKET	1
39.	TUBE	1
40.	PART OF 47 O-RING, 1/8" X 1-7/8" OD	1
41.	BALL	1
42.	BALL STOP PIN	1
43.	FOOT VALVE SEAT	1
44.	BUNG ASSEMBLY	1
45.	THUMB SCREW, 1/4"-20 X 1-1/2" 1	
46.	NUT, 1/4"-20	1
47.	73734196 REPAIR KIT	REF

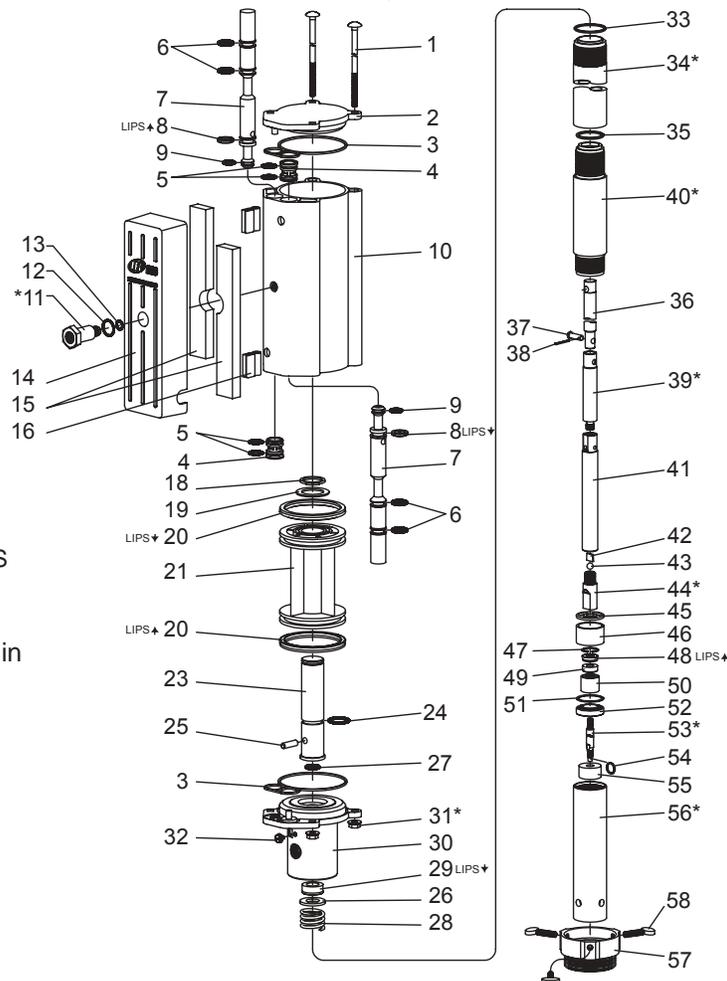
* TORQUE REQUIREMENTS
 Item #12 - 80 in-lb max
 Item #36 - 80 in-lb min
 Item #30,34 - 65 ft-lb min
 Item #39,43 - 140 ft-lb min



GREASE PUMP ASSEMBLY (70733534)

1.	CARRIAGE BOLT, 1/4-20 X 9	4	32.	GROUND SCREW, #10-32 X 1/4	1
2.	UPPER CAP	1	33. PART OF 59	GASKET	1
3.	PART OF 59 TRACK GASKET	2	34.	EXTENSION TUBE	1
4.	SLEEVE	2	35. PART OF 59	GASKET	1
5.	PART OF 59 O-RING, 1/16 X 11/16	4	36.	PISTON ROD	1
6.	PART OF 59 O-RING, 1/8 X 3/4	4	37.	PIN	1
7.	SPOOL	2	38. PART OF 59	COTTER PIN, 1/16 X 1/2	1
8.	PART OF 59 U-CUP, 1/8 X 3/4	2	39.	CONNECTOR	1
9.	PART OF 59 O-RING, 0.106 X 0.587	2	PISTON & TUBE ASSEMBLY (INCL 40-44)		
10.	CYLINDER	1	40.	LOWER SUCTION TUBE	1
11.	ADAPTER	1	41.	PLUNGER	1
12.	PART OF 59 O-RING, 1/16 X 3/4	1	42.	BALL STOP	1
13.	PART OF 59 O-RING, 1/16 X 7/16	1	43.	BALL	1
14.	MUFFLER HOUSING	1	44.	ADAPTER	1
15.	FOAM LINER	2	45. PART OF 59	GUIDE WASHER	1
16.	EDGE TRIM	2	46.	SPACER	1
18.	RETAINING RING	1	47.	RETAINING RING, 0.763" OD	1
19.	WASHER	1	48.	U-CUP, 3/16 X 11/16	1
20.	PART OF 59 U-CUP, 3/16 X 3	2	49.	GUIDE SPACER	1
21.	PISTON	1	50.	VALVE BODY	1
23.	PISTON ADAPTER	1	FOOT ASSEMBLY (INCL 47-50)		
24.	PART OF 59 O-RING, 3/32 X 1	1	51. PART OF 59	GASKET	1
25.	DOWEL PIN, 1/4 X 7/8	1	52.	VALVE SEAT	1
26.	WASHER	1	53.	PRIMER ROD	1
27.	PART OF 59 O-RING, 3/32 X 11/16	1	54. PART OF 59	RETAINING RING	1
28.	SPRING	1	55.	PRIMER	1
29.	PART OF 59 ROD SEAL	1	56.	PRIMER TUBE	1
30.	BASE	1	57.	BUNG ASSEMBLY (INCL 58)	1
31.	NUT, 1/4-20	4	58.	THUMB SCREW (1/4-20 X 1)	3
			59.	73734201 REPAIR KIT	1

(INCLUDES 3,5,6,8,9,12,13,20,24,27,29,33,35,38,45,51,54)



*** TORQUE REQUIREMENTS**
 Item #11 - 80 in-lb max
 Item #31 - 80 in-lb min
 Item #34,40,56 - 65 ft-lb min
 Item #39 - 17 to 25 ft-lb
 Item #44 - 50 to 70 ft-lb
 Item #53 - 70 to 100 ft-lb

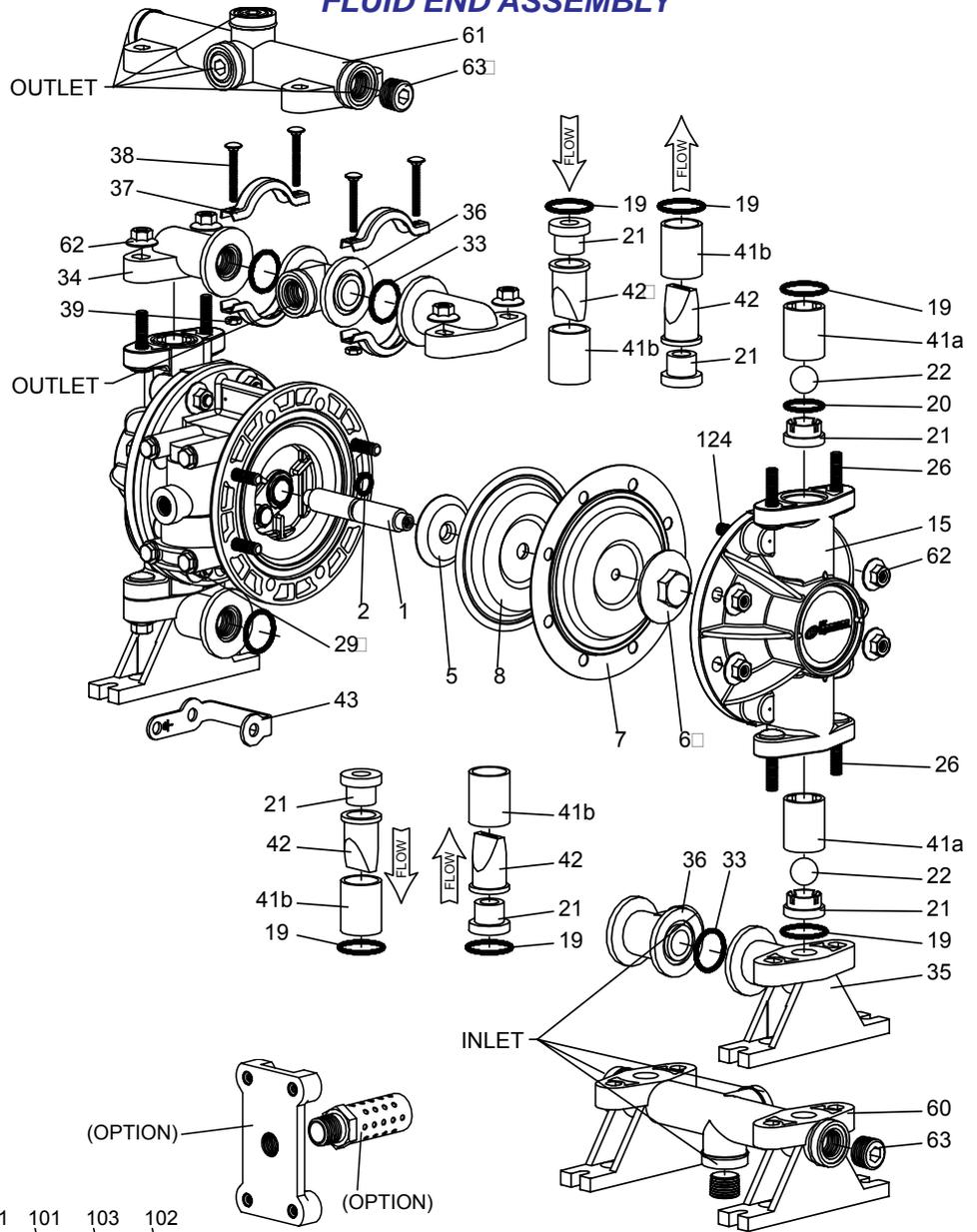
SALVAGE PUMP ASSEMBLY (70733535-1)

1.	73734204	ROD	1
2.	PART OF 64	O-RING, 3/32 X 5/8	1
5.		WASHER	2
6.	73734205	DIAPHRAGM NUT, 5/16-18	2
7.	PART OF 64	DIAPHRAGM	2
15.		FLUID CAP (INCL 26,124)	2
19.	PART OF 64	O-RING, 1-5/16" OD	4
20.	PART OF 64	O-RING, 1-1/8" OD	2
21.		SEAT	4
22.	PART OF 64	BALL, 3/4" DIA	4
26.		BOLT, 5/16-18 X 1-1/2	8
29.		NUT, 5/16-18	2
33.		O-RING, 1-3/16" OD	4
34.		MANIFOLD, OUTLET (TOP)	2
35.		MANIFOLD FOOT (BOTTOM)	2
36.		SWIVEL	2
37.		CLAMP	8
38.		BOLT, #10-24 X 1-1/2	8
39.		NUT, #10 - 24	8
41A .		BALLCAGE	4
41B.		SLEEVE	4
42.		DUCKBILL	4
43.		GROUND STRAP	1
57.		GROUND KIT ASSEMBLY	1
60.		MANIFOLD, INLET (BOTTOM)	1
61.		MANIFOLD, OUTLET (TOP)	1
62.		FLANGE NUT, 5/16-18	24
63.		PLUG, 1/2-14 NPT	6
64.	73734202	FLUID SECTION SERVICE KIT (INCL 2, 7, 19, 20, 22, 33)	
65.	73734203	AIR SECTION REPAIR KIT (INCL. 102,119,122,130,137-141)	
101.		MOTOR BODY	1
102.	PART OF 65	O-RING, 3/32 X 1	2
103.	73734209	SLEEVE	1
104.	73734210	SNAP RING, 13/16"	2
111.		SPOOL	1
118.		PILOT ROD	1
119.	PART OF 65	O-RING, 1/8 X 3/4	4
120.	73734211	SPACER	3
122.	PART OF 65	SNAP RING, 1/2"	2
124.		STUD, 5/16-18 X1-17/32	8
129.		MUFFLER ASM	1
130.	PART OF 65	GASKET	1
131.		BOLT, 5/16-18 X 1-1/4	8
132.		GASKET	1
133.		WASHER, 9/32" ID	4
134.		BOLT, 1/4-20 X 5	4
135.		VALVE BLOCK	1
136.		PLUG	1
137.	PART OF 65	O-RING, 3/32X1-1/2"	1
138.	PART OF 65	PACKING, U-CUP (1/8 X 1)	1
139.	PART OF 65	PACKING, U-CUP (1/8 X 1.427)	1
140.	PART OF 65	VALVE INSERT	1
141.	PART OF 65	VALVE PLATE	1
142.		WASHER	2
143.		PLATE	2
201.		MUFFLER	

NOTE:
 EXPLODED PARTS DRAWINGS
 ON NEXT PAGE.

SALVAGE PUMP ASSEMBLY (70733535-2)

FLUID END ASSEMBLY



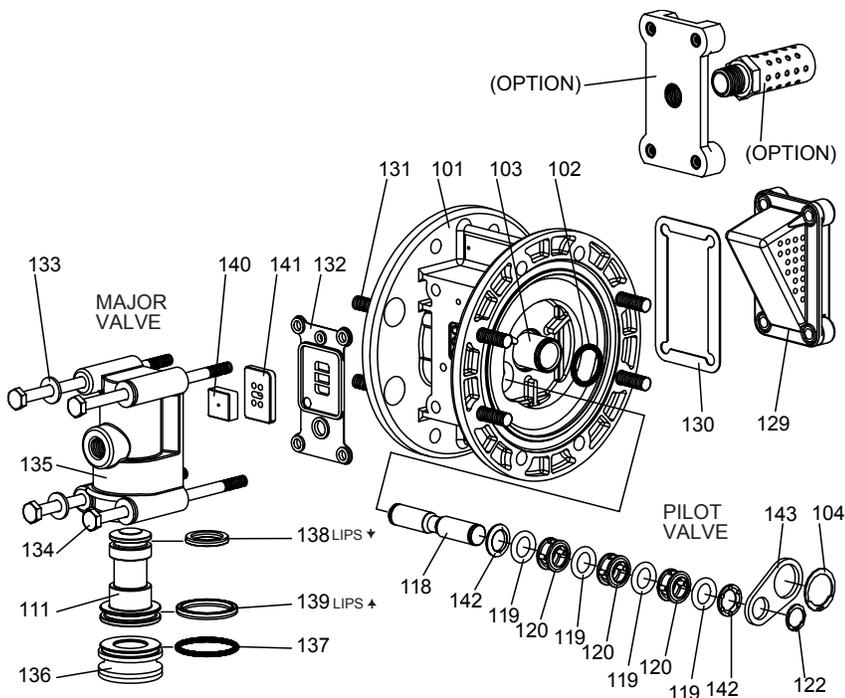
FLUID END TORQUE REQUIREMENTS

Item #6 - 95-105 in-lb
 Items #29,62 - 50 to 60 in-lb, alternately and evenly, then re-torque after initial run.
 Item #39 - 20-25 in-lb, then re-torque.
 Item #63 - 25 in-lb max.

NOTE:

PARTS LIST ON PREVIOUS PAGE.

AIR END ASSEMBLY



AIR END TORQUE REQUIREMENTS

Item #134 - Torque to 15-20 in-lb, wait 10 minutes, and re-torque to 15-20 in-lb.

HOSE REEL SPARE PARTS



TYPICAL HOSE REEL ASSEMBLY

IMT Reel #	Product	Drive spring	Swivel	Seal Kit
70733522	Grease	73734206	73734207	73734208
70733523	Salvage	73734215	73734216	73734217
70733524	Oil	73734212	73734213	73734214
70733525	Grease	73734218	73734219	Not repairable. (Must be replaced.)
70733526	Air	73734220	73734221	Not repairable. (Must be replaced.)

DECAL PARTS LIST (KIT 51716597 / DRAWING 99903896)

1. 70029119	PLACARD-SERIAL NUMBER	1	8. 70392840	DECAL-FLOOD LIGHT	1
2. 70392309	DECAL-DIESEL FUEL ONLY	1	9. 70396864	DECAL-COMPRSR CHOKE	1
3. 70394442	DECAL-FILL CHECK EVACUATE	1	10. 70396008	DECAL-NOTICE, IGN SWITCH	1
4. 70397078	DECAL SHEET (INCLUDES (3) OIL #1, (3) OIL #2, (2) SALVAGE AND (2) HP GREASE LABELS)	1	11. 70392387	DECAL-FINAL STG VEH CERT	1
5. 70392213	DECAL-CAUTION WASH/WAX	1	12. 70396164	DECAL-DANGER BREATHING HAZARD	1
6. 70392982	DECAL-SERVICE & REPAIR	1	13. 70397075	DECAL-HITCH,RECEIVER 500V-5000P (NOT SHOWN - CENTER ON VEHICLE BUMPER)	1
7. 70392453	DECAL-UNLEADED GAS ONLY	2			

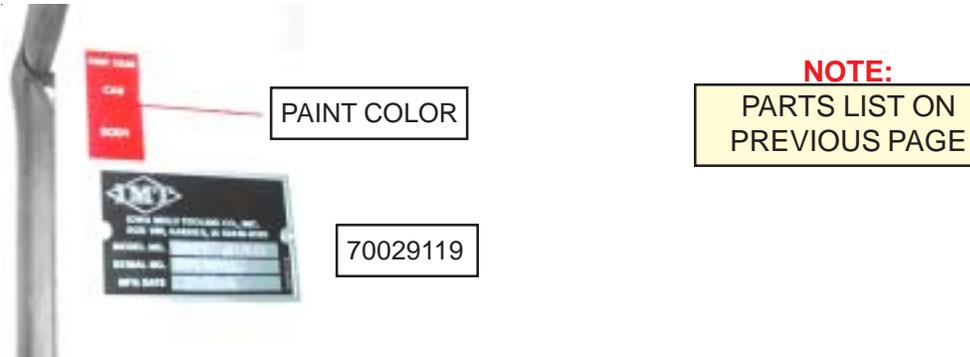
NOTE:

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Inside Back of Truck

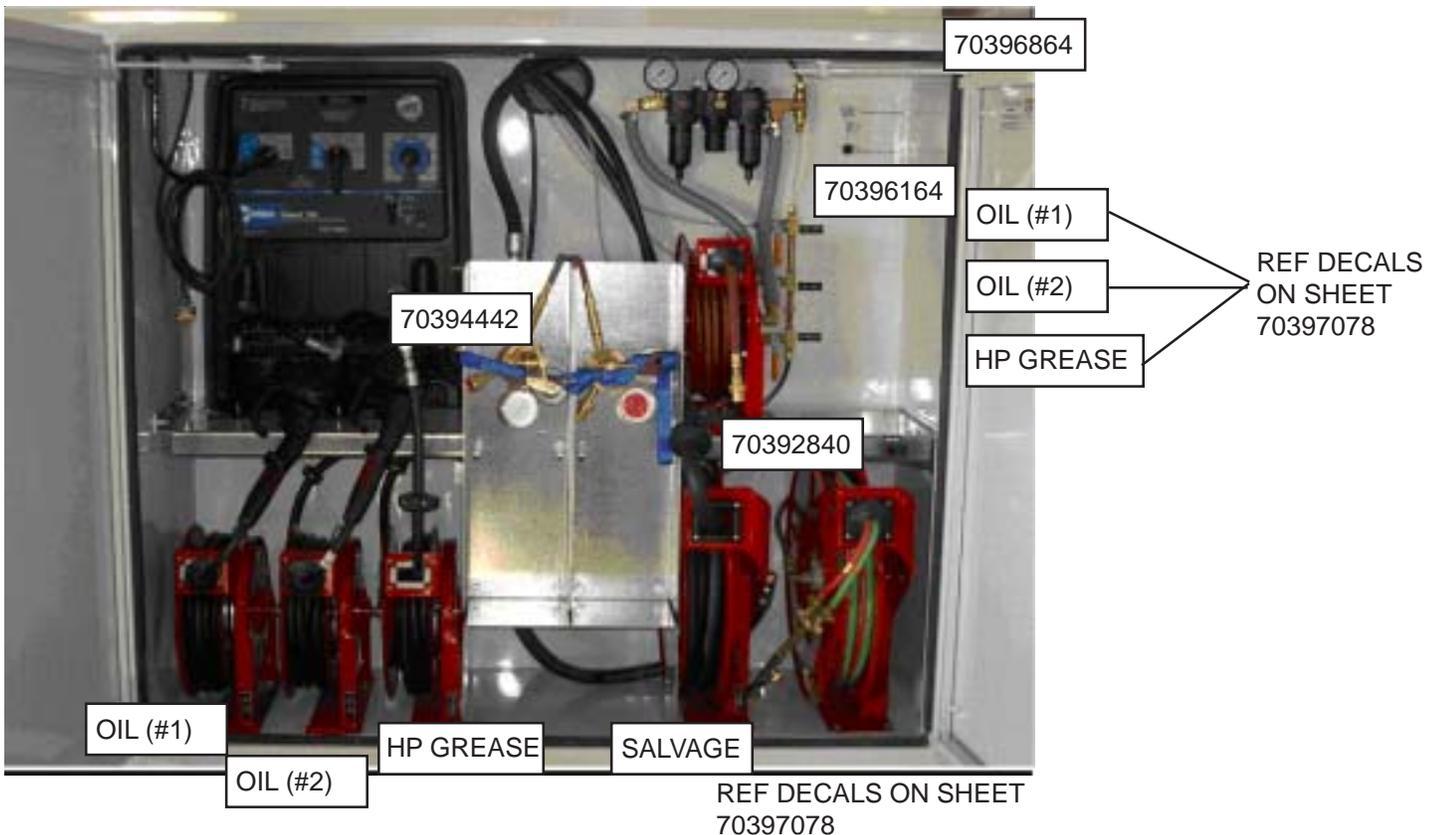
DECAL PLACEMENT (KIT 51716597 / DRAWING 99903896)



View Inside Left Vertical Compartment



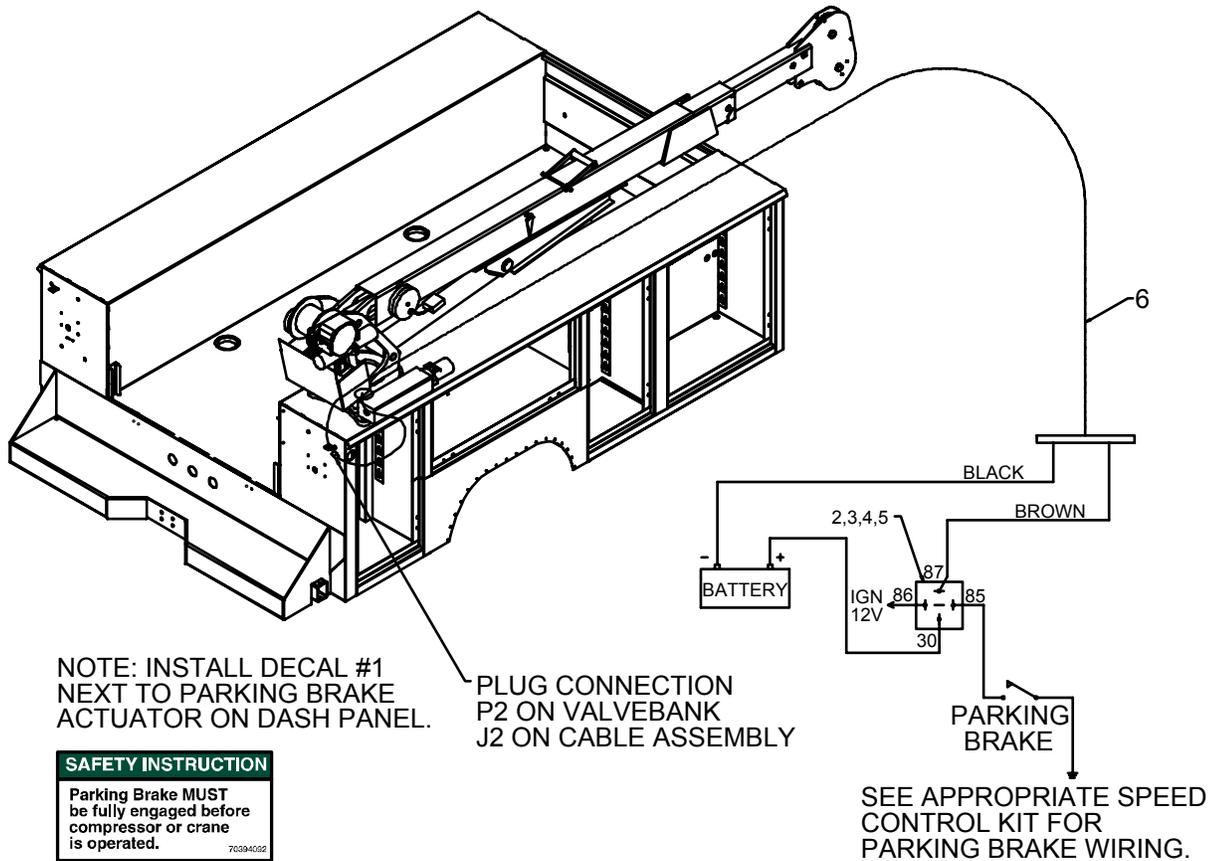
View Inside Right Vertical Compartment Door



Inside Hose Reel Compartment (Right Side)

ELECTRICAL INSTALLATION (1015E & 2020E) (99903519)

PART #	DESCRIPTION	QUANTITY
1. 70394092	DECAL-CAUTION BRAKE/COMP	1
2. 72050005	CAP SCR 1/4-20X1.25 HHGR5	1
3. 72062104	NUT 1/4-20 HEX NYLOC ZINC	1
4. 72063001	WASHER 1/4-FLAT	1
5. 77041251	RELAY	1
6. 77441074	HARNESS	1



NOTE:

WIRES IN HARNESS ARE 14GA, 19/27 STRANDS, AND MUST MEET FORD SPECIFICATION MIL-85B OR CHRYSLER SPECIFICATION MS-8900.

ELECTRIC CRANE INSTALLATION (2003i, 3203i, 4004i, 5005i, 6006i) (99904394-1)

PART #	DESCRIPTION	KIT #	QTY
1. 51721572	ELECTRIC CRANE BODY INSTALLATION		1
2. 91721647	HARDWARE KIT- 3203i/4004i CR INSTALL		1
3. 91721751	HARDWARE KIT- 5005i ELEC CR INSTALL		1
4. 99904317	DRAWING-CRANE & WINCH ASSEMBLY 3203i		REF
5. BODY	IMT BODY ASSEMBLY		REF
6. 60251272	BRACKET-SWITCH 300 AMP ELEC CRANE		1
7. 70734331	SWITCH-300A KEYED BATTERY DISCONNECT	#1	1
8. 72042097	LEVEL INDICATOR LEVEL	#1	1
9. 77040209	TERMINAL-RING NI .38 STUD 1 WIRE	#1	1
10. 77040529	TERMINAL-RING NI .31 STUD 1-2 WIRE	#1	3
11. 77441116	FUSEHOLDER-HIGH AMP2 BOLT WITH COVER	#1	1
12. 77441219	FUSE-225 AMP	#1	1
13. 89044276	CABLE-#1 WELDING	#1	35 FT
14. 89392333	TUBE-HEAT SHRINK AMP	#1	.50 FT
15. 72060208	CAP SCREW .75-10X 2.50 HH GR8 Z	#2	4
15. 72601621	CAP SCREW 1.00 - 8 X 3.00 HHGR8Z	#3	4
16. 72601682	NUT .75-10 HEX NYLOC GR8Z	#2	4
16. 72062375	NUT 1.0 - 8 HEX NYLOC GR8Z	#3	4
17. 72063116	WASHER .75 N FLAT H ASTM F436Z	#2	8
17. 72063066	WASHER 1.0 FLAT HI STR	#3	8
18. 72060002	CAP SCREW .25-20X .75 HH GR5 Z	#2 & #3	4
19. 72060634	SCREW-MACHINERY #10-24X .50 RDH	#2 & #3	4
20. 72062000	NUT .25-20 HEX	#2 & #3	4
21. 72062106	NUT 10-24 HEX NYLOCK	#2 & #3	4
22. 72063001	WASHER .25 FLAT	#2 & #3	8

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Install the IMT 2003i, 3203i, 4004i, 5005i, and 6006i model cranes using the instructions in 99904394. In addition to meeting the minimum chassis specifications noted in the Technical Data section of this manual, make sure there is sufficient room for mounting the crane and the platform is strong enough to support the crane and rated load. Install the crane only on an IMT designed and approved truck body. The body must be designed to sustain the forces imposed by the crane when lifting the full rated load. Install the body on the chassis before installing the crane. Refer to the following table for parts referenced in the following crane installation drawings.

1) Use a lifting device capable of lifting the weight of the crane as indicated in the Technical Data section of this manual. Attach fabric slings to the crane lower boom, centered approximately 18 inches (46 cm) from the mast hinge. Make certain the crane is well balanced on the slings by slowly lifting approximately 6" (15 cm) off the ground. Lift the crane and apply a bead of waterproof compound, such as silicon based caulk, to the bottom of the base. Move the chassis under the crane and lower the crane into the desired position.

Install the mounting cap screws (item # 15) and washers (item #16) to secure the crane base to the truck body (see figure). Torque the 3/4" cap screws (used on models 3203i and 4004i) to 280 ft-lb and torque to 1" cap screws (used on models 5005i and 6006i) to 680 ft-lb.

NOTE

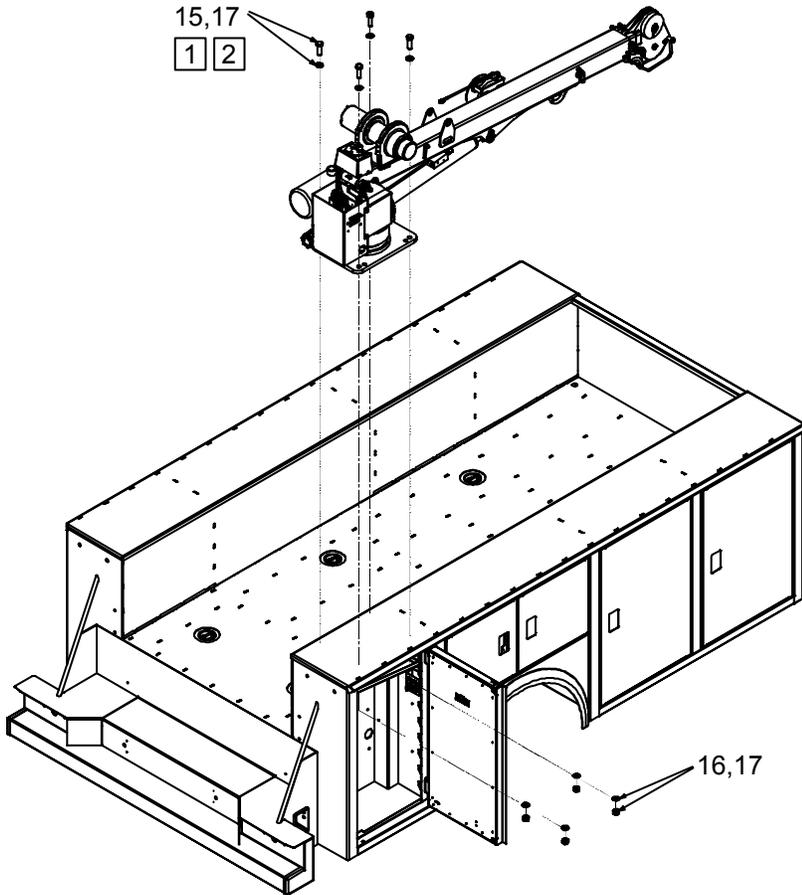
THE 3/4-10 X 2.5" GRADE 8 ZINC COATED CAPSCREWS (MODELS 3203I AND 4004I) ARE DESIGNED FOR A CRANE BOX THICKNESS OF 1/2" ONLY.

THE 1-8 X 3" GRADE 8 ZINC COATED CAPSCREWS (MODEL 5005I AND 6006I) ARE DESIGNED FOR A CRANE BOX TOP THICKNESS OF 7/8" TO 1" ONLY.

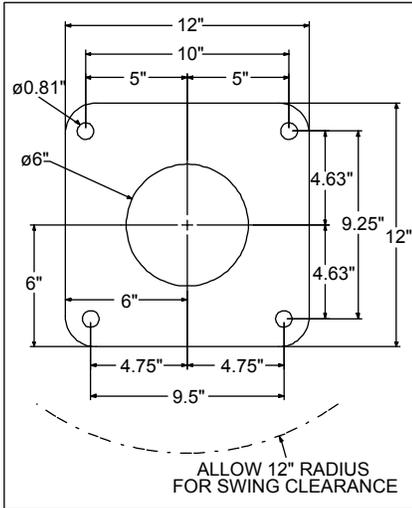
A different crane box may require different capscrews. If different length bolts are required, they must be the same size and of sufficient length. Failure to use proper length bolts may cause the bolts to bottom out before torquing.

ELECTRIC CRANE INSTALLATION (2003i, 3203i, 4004i, 5005i, 6006i) (99904394-2)

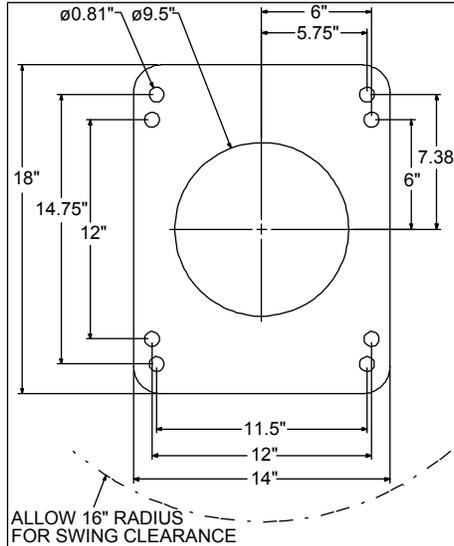
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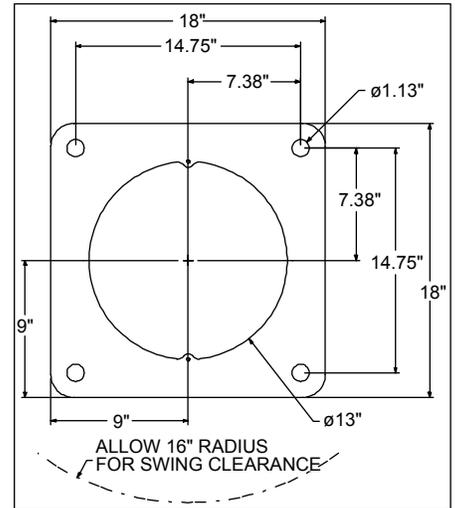
2003i MOUNTING PATTERN



3203i & 4004i MOUNTING PATTERN



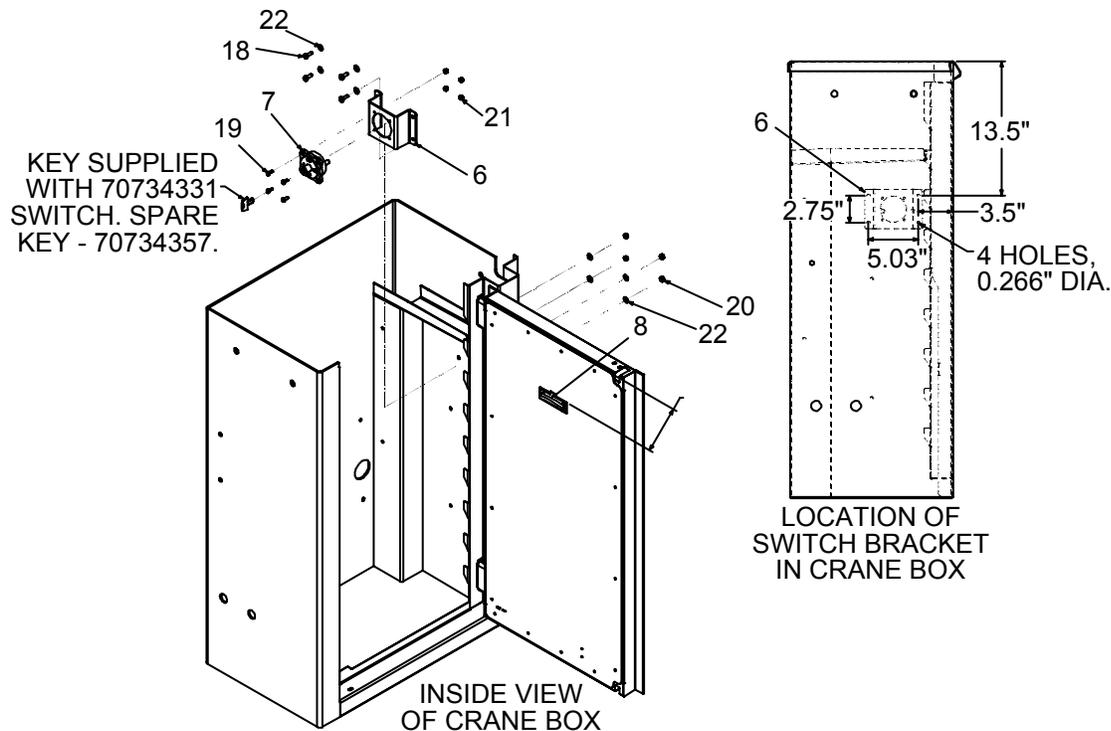
5005i & 6006i MOUNTING PATTERN



ELECTRIC CRANE INSTALLATION (2003I, 3203I, 4004I, 5005I, 6006I) (99904394-3)

CONTINUED ON NEXT PAGE

2) The electrical power switch (item #7) provides power for the crane. Install the switch onto the power unit cover.



3) Install the vehicle level indicator (item #8) parallel to the door reinforcements.

4) After mounting your crane, wire the crane to the vehicle's 12VDC electrical system using the following steps. Use the parts list above to identify parts. Your crane installation kit, 51721572, includes a 10.7 m (35') long cable, IMT # 89044276 (item #13 in the parts list). Approximately 7.6 m (25') of this cable is required to connect the crane power switch to the vehicle battery, and the rest of the cable is used for ground connections between the crane, vehicle battery, and chassis ground. Cut the cable to length after determining the lengths required.

5) Ground the crane by connecting the crane ground cable to bare metal inside the crane box.

6) Connect the crane power cable from the male power cable connector to the power switch. Connect cable (item #13 - 89044276), cut to length, from the crane power switch (item #7) to the fuse. Use 3/8" (0.95 cm) ring terminals (item #9 - 77040209) for each connection. Heat shrink the connections (item #14 - 89392333).

WARNING

Protect the power cable from damage by fastening it inside the frame channel and covering it with protective covering including loom, conduit, etc. Be sure to use rubber grommets or other protection when running the power cable through steel bulkheads.

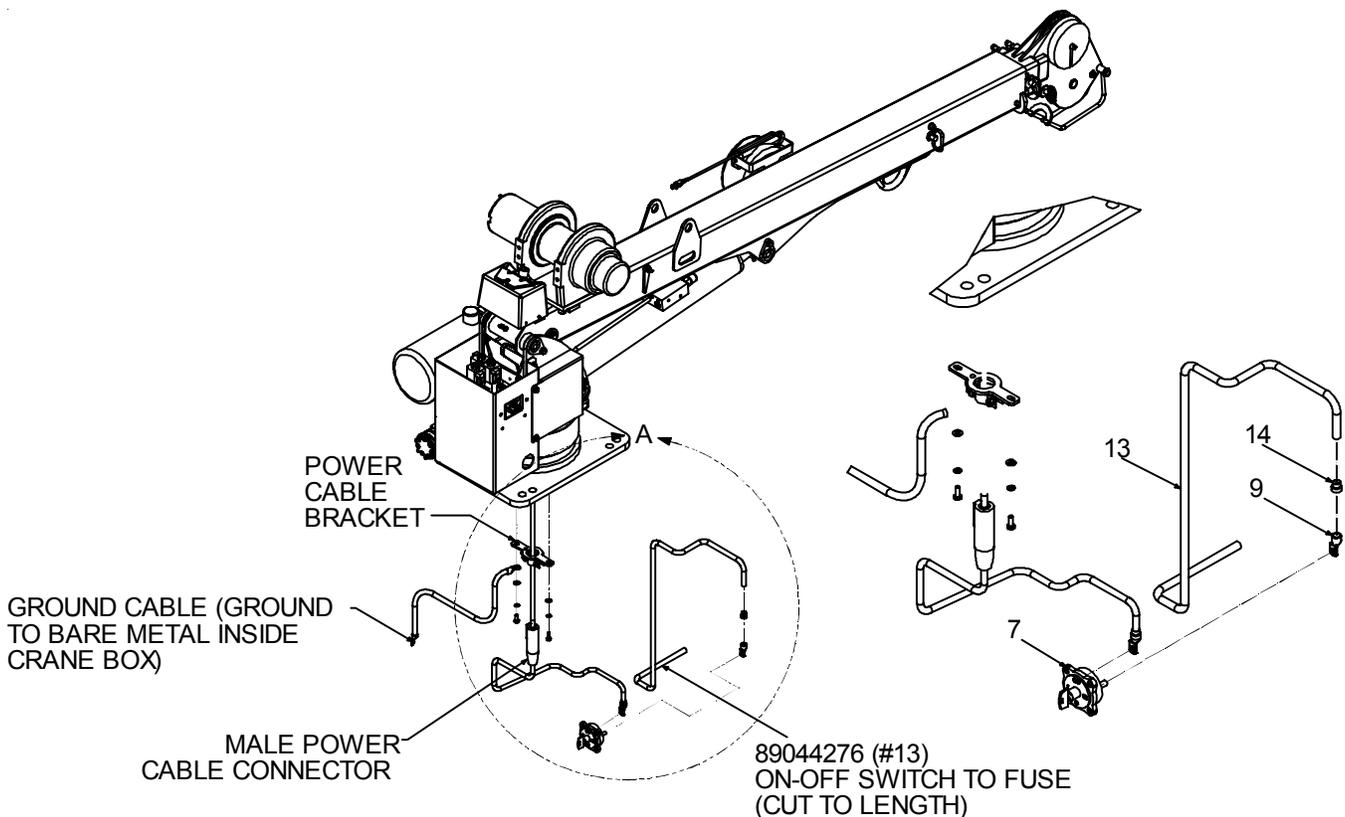
ELECTRIC CRANE INSTALLATION (2003I, 3203I, 4004I, 5005I, 6006I) (99904394-4)

7) Use approximately 4' (1.2 m) of the cable (item #13) to ground the vehicle battery. Connect one end of the ground cable to the negative terminal on the vehicle battery, and the other end to bare metal on the truck body. Use a 5/16" (0.79 cm) ring terminal (item #10 - 77040529) to connect to the truck body.

WARNING

INSTALL THE GROUND CABLE TO THE NEGATIVE TERMINAL OF THE BATTERY!
THE CRANE ELECTRICAL GROUND COMPLETES THE ELECTRICAL CIRCUIT THROUGH THE STRUCTURE OF THE CRANE TO THE VEHICLE FRAME. THE VEHICLE FACTORY GROUND IS NOT SUFFICIENT TO CARRY THE CURRENT REQUIRED BY THE CRANE. WITHOUT THIS EXTRA GROUND CABLE, YOUR CRANE MAY NOT OPERATE AT RATED CAPACITY, AND MOTOR, CONTACTOR, OR ELECTRICAL DAMAGE MAY OCCUR.

8) Mount the 225-amp fuse holder (item #11) close to the vehicle battery in a location which can be easily accessed if the fuse needs to be replaced. Use approximately one foot (30.5 cm) of cable (item #13) to connect the positive terminal on the vehicle battery to the fuse holder. Use approximately 25' (7.62 m) of cable (item #13) to connect the other end of the fuse holder to the crane power switch. Both cables connect to the fuse holder using 5/16" (0.79 cm) ring terminals (item #10 - 77040529). Heat shrink both connections.





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