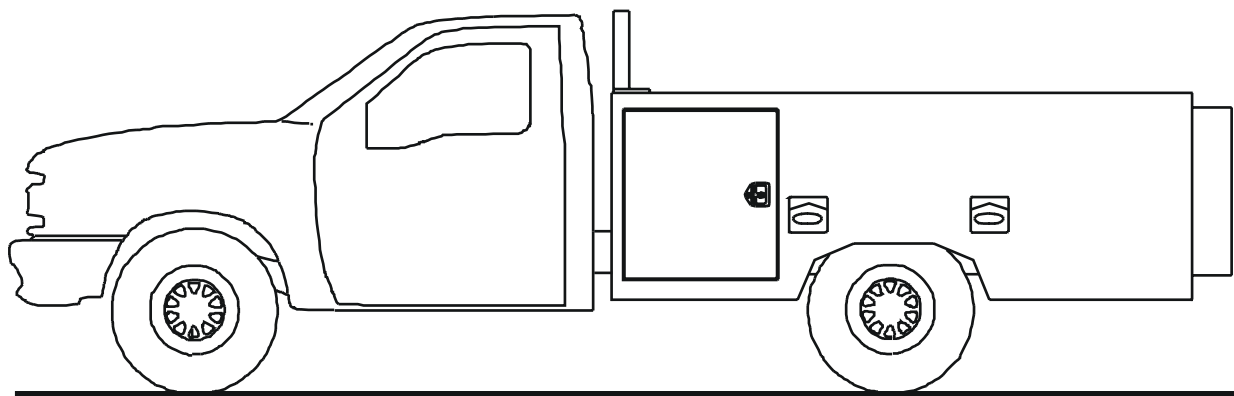


1999 Model 980 MetroStar Commercial Fleet Body

PARTS AND SPECIFICATIONS

Section 1 BODY SPECIFICATIONS

Section 2 REPLACEMENT PARTS



IOWA MOLD TOOLING CO., INC.

BOX 189, GARNER, IA 50438-0189

TEL: 641-923-3711

MANUAL PART NO: 99901236

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

PARTS ORDERING INFORMATION

Before placing an order, take the time to record the following information. This information should then be given to an IMT representative when placing your order.

BODY MODEL NUMBER:

BODY SERIAL NUMBER:

PART NUMBER, DESCRIPTION AND QUANTITY REQUIRED:

If left or right side is applicable, please specify.

Contact IMT at the following address:

**IOWA MOLD TOOLING CO., INC.
BOX 189, GARNER, IA 50438-0189
TEL: 641-923-3711**

**See Series 60 Compressor Manual
for complete installation and operation instructions.**

REVISIONS LIST

DATE	LOCATION	DESCRIPTION OF CHANGE
20000913	2-10, 2-13	ECN 8612-ADD BACKUP ALARM 77040020 TO 41714953 & 41715385 ELEC INSTL KITS
20001011	2-17	ECN8621-41715063-1-ADD 21. 60110018 CHANNEL & 30. 70395315 OP INSTR DECAL
20010105	2-3	ECN8635-41714951-ADD AUX GRD INFO
20010711	2-4	ECN8689 CHANGED HOSE REEL FROM 70732096 TO 70733508
20011112	2-3,4,6	ECN 8810 CHANGED BODY ASM
20011112	iii	REMOVED WARRANTY POLICY FROM INDIV MANUALS
20020104	2-7,17	ECN 8846 - AIR SYSTEM ECN
20020121	2-3,4,16	ECN 8839 - MOVED OIL FILL LOCATION
20020425	2-18 THROUGH 22	ECN 8868 - ADDED NEW WIRING SETUP FOR 980 W/AUTO TRANSMISSION
20020619	2-10-20	ECN 8943 - NEW WIRING SCHEMATICS
	2-3	ECN 8952 - RACK 52717719 WAS 60121846
20021007	2-10	ECN 9032 - ADDED 93717917 DODGE 2002 INSTALLATION KIT
20030408	2-8	ECN 9161 - CHANGED FROM 70395315 DECAL TO 70396381 DECAL
20030515	2-7,8	ECN 8882 - IMPROVED AIR COMPRESSOR INSTALLATION
20031104	2-7,8	ECN 9288 - REMOVED CHANNEL FROM BODY
	2-3,9	ECN 9203 - UPDATED BODY ASM DRAWING 41714951-1, ADDED REMOTE COOLER 99903561
20050321	2-9,10	ECN 9608 - UPDATE RUNNING BOARD ON 41719286 - 2005 INSTALLATION
20070329	COVER	UPDATED OWNERSHIP STATEMENT

TORQUE DATA CHART

FINE 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

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)
5/16-18	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, collodial 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.
5. Torque values for socket-head capscrews are the same as for Grade 8 capscrews.

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.

IMT Value Plus PM Package Service Schedule

COMMERCIAL FLEET PACKAGES (980, 1210, 3030)

PM KIT REQUIRED: VP6160C

TYPE OF SERVICE	MONTH											
	1	2	3	4	5	6	7	8	9	10	11	12
Change DAR60P rotary screw compressor oil filter						×						×
Change rotary compressor oil						×						×
Change rotary compressor coalescer filter												×
Change rotary compressor air filter		×		×		×		×		×		×
Grease rotary compressor driveline	×	×	×	×	×	×	×	×	×	×	×	×
Change moisture separator filter						×						×
Drain moisture from rotary compressor oil tank sump	×	×	×	×	×	×	×	×	×	×	×	×
Change liftgate hydraulic oil												×
Start new 12 month PM chart												×

Daily checks include compressor fluid levels, compressor air intake indicator, and draining of moisture separator.

Weekly checks include greasing of compressor driveline.

Kit Includes: DAR60P Rotary Screw Air Compressor filter (1), oil filter (2), compressor oil (2 changes), air filters (6), and moisture separator filter (2).

Recommended for average equipment usage rate. Required crane and liftgate lubricants not included.

SECTION 1. SPECIFICATIONS

GENERAL SPECIFICATIONS 2

COMPARTMENT SPECIFICATIONS 2

STANDARD FEATURES 2

STANDARD FEATURES 3

OPTIONAL EQUIPMENT 3

DIMENSIONAL DRAWING 3

WEIGHT DISTRIBUTION 4

1999 Model 980 MetroStar Commercial Fleet Body

GENERAL SPECIFICATIONS

CHASSIS CAB-TO-AXLE (CA)	56" (142.2cm) Single Axle
LONGSILLS	3" x 1-1/2" x 13 ga. (7.6 x 3.8 x .211cm) Formed
CHANNEL CROSSMEMBERS	4" x .188" (10.2 x .478cm)
DECK-PLATE FLOORING THICKNESS	12 ga.
TOTAL COMPARTMENT STORAGE CAPACITY allowing for recessed doors	27.5 Cubic Feet (.78 cubic meters)
TOTAL BODY WEIGHT	1100 LBS (499 kg)
TOTAL BODY DECK SURFACE AREA	44.5 Square Feet (4.13 square meters)

COMPARTMENT SPECIFICATIONS

RIGHT FRONT COMPARTMENT	39"H x 32"W x 15"D (99.1 x 81.3 x 38.1cm)
RIGHT HORIZONTAL COMPARTMENT	47"W x 24"H x 15"D (119.4 x 61 x 38.1cm)
LEFT FRONT COMPARTMENT	39"H x 32"W x 15"D (99.1 x 81.3 x 38.1cm)
HOSE REEL COMPARTMENT	24" H x 15"W x 24"D (61 x 38.1 x 61cm)

STANDARD FEATURES

- Rear light mounted in corner posts.
- Primed and painted.
- Undercoating.
- Installed.

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

IOWA MOLD TOOLING CO., INC.

BOX 189, GARNER, IA 50438-0189

TEL: 641-923-3711

TECHNICAL SUPPORT FAX: 641-923-2424

STANDARD FEATURES

- 1/2" x 50' hose reel.
- Amber beacon light.
- Two 12V floodlights.
- Three compartment lights.
- Back-up alarm.
- An ICC safety kit.
- Hour meter

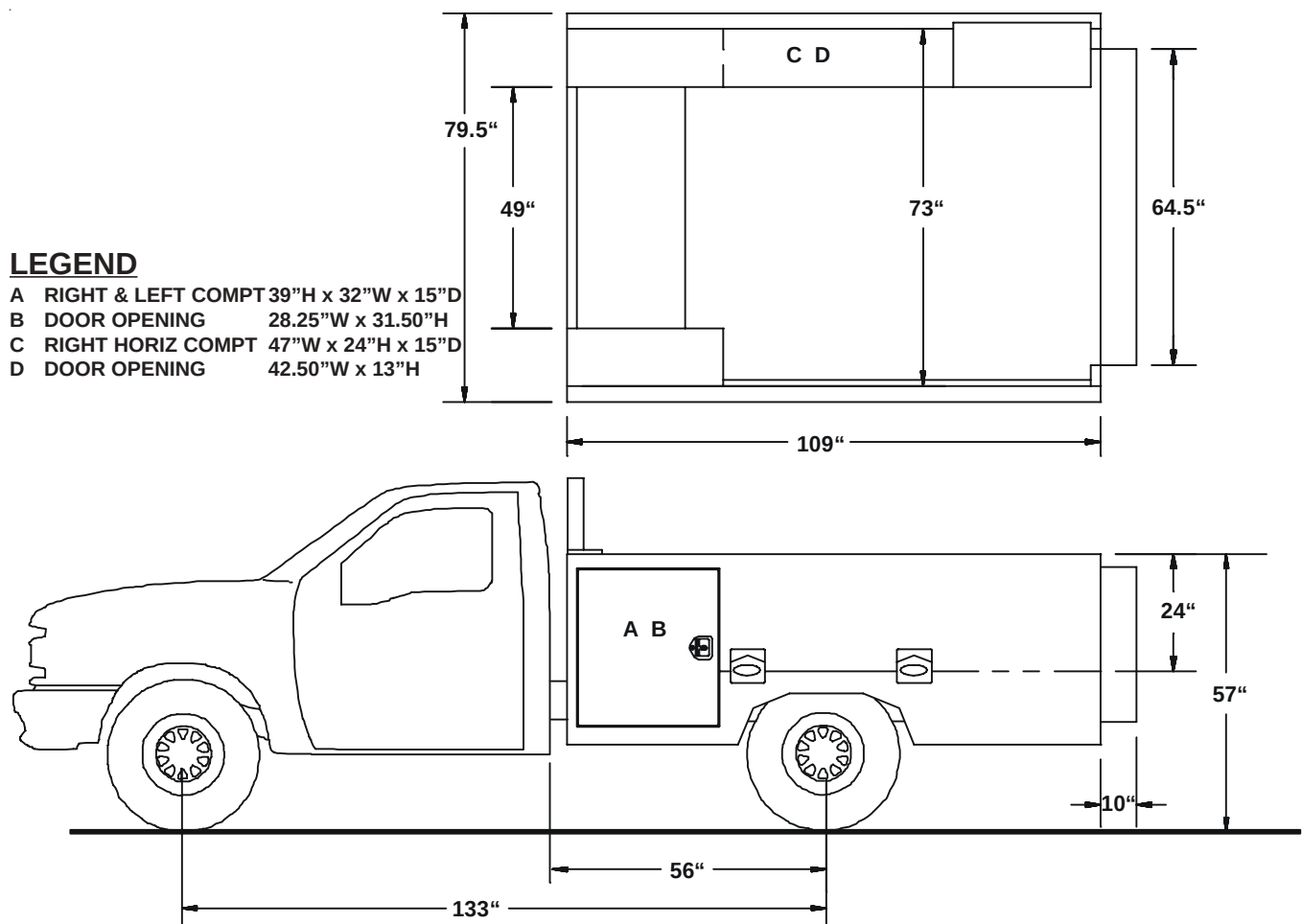
OPTIONAL EQUIPMENT

- Cab caddy.
- 3/8" x 35' hose reel.
- Commercial fleet tool package.
- Dual 1/2" airline coupler plumbing.
- Liftgate side rail and tire stop.
- Two-bar fold-up tire inflation cage with body installed carrying bracket and 6' inflation hose.
- Customer identification.

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

LEGEND

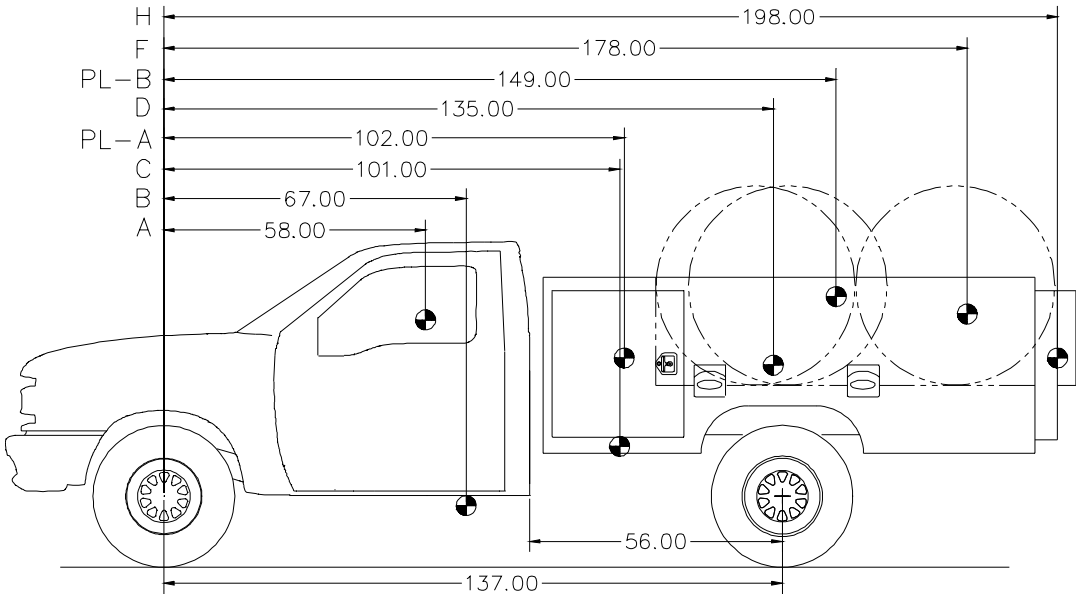
- A RIGHT & LEFT COMPT 39"H x 32"W x 15"D
 B DOOR OPENING 28.25"W x 31.50"H
 C RIGHT HORIZ COMPT 47"W x 24"H x 15"D
 D DOOR OPENING 42.50"W x 13"H



WEIGHT DISTRIBUTION
980 MetroStar
Commercial Fleet Series
F250

CHASSIS MODEL	F250
CHASSIS MODEL YEAR	1999
CHASSIS MANUFACTURER	FORD
WHEELBASE	137"
CAB-TO-AXLE	56"
GVWR (LBS)	8800
FRONT AXLE RATING (LBS)	4100
REAR AXLE RATING (LBS)	5246

LOCATION	COMPONENT DESCRIPTION	TOTAL WEIGHT (LBS)	WEIGHT FRONT AXLE (LBS)	WEIGHT REAR AXLE (LBS)
	CHASSIS WEIGHT - STD EQUIP/OIL/WATER	5300	3640	1660
D	980 METROSTAR BODY	1027	15	1012
H	LOADGATE	365	-163	528
B	DAR60P COMP+PTO	247	126	121
F	0.5"X50' HOSEREEL	76	-23	99
	ASSEMBLY HARDWARE	150	10	140
	SUBTOTAL	7165	3605	3560
	TOTAL REMAINING GVW	1635	495	1686
PL-B	CARGO PAYLOAD AT SPECIFIED LOCATION	750	-66	816
PL-A	CUSTOMER SUPPLIED TOOLS	260	66	194
C	FRONT FUEL TANK - 38 GALLONS	266	70	196
A	DRIVER	250	144	106
	REMAINING PAYLOAD	109	31	78
	TOTAL UNIT WEIGHT - WITH SPECIFIED LOAD	8800	3850	4950



SECTION 2. REPLACEMENT PARTS

BODY ASM W/ SERIES 60 COMPRESSOR (41714951-1)	3
BODY ASM W/ SERIES 60 COMPRESSOR (41714951-2)	4
BODY ASM W/ SERIES 60 COMPRESSOR (41714951-3)	5
BODY ASM W/ SERIES 60 COMPRESSOR (41714951-4)	6
CHASSIS PREP-BODY W/ SERIES 60 COMPRESSOR-'99 FORD (41714952)	7
CHASSIS PREP-BODY W/ SERIES 60 COMPRESSOR-'99 FORD-AT (41715063)	8
CHASSIS PREP-BODY W/ SERIES 60 COMPRESSOR-'05 FORD-AT (41719286-1)	9
CHASSIS PREP-BODY W/ SERIES 60 COMPRESSOR-'05 FORD-AT (41719286-2)	10
REMOTE COOLER (DWG. 99903561) (PRODUCT # 91718274)	11
INSTALLATION DWG (99900636)	12
INSTALLATION KIT - DODGE 2002 (93717917)	13
DRIVESHAFT ASM (70008W)	14
DECAL KIT (95714954)	15
SWITCH PANEL - AUTOMATIC TRANSMISSION (99903408-1)	16
SWITCH PANEL PHOTOS - AUTOMATIC TRANSMISSION (99903408-2)	17
FRONT END KIT - AUTOMATIC TRANSMISSION (99903410)	18
SCHEMATIC - AUTOMATIC TRANSMISSION (99903414-1)	19
LAYOUT - AUTOMATIC TRANSMISSION (99903414-2)	20
SWITCH PANEL - MANUAL TRANSMISSION (99903415-1)	21
FRONT END KIT - MANUAL TRANSMISSION (99903416)	22
SCHEMATIC - MANUAL TRANSMISSION (99903417-1)	23
LAYOUT - MANUAL TRANSMISSION (99903417-2)	24

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NOTES

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BODY ASM W/ SERIES 60 COMPRESSOR (41714951-1)

1.	52714470	BODY	1
2.	52706812	DOOR STOP ASM	2
3.	60110127	DOOR ROD 16-1/8	4
4.	89392440	WEATHERSTRIP	10FT
5.	89395457	WEATHERSTRIP	30FT
6.	60123834	PLATE-OIL FILL	1
7.	72661510	LATCH-TWOPT	3
8.	76393253	LATCH GASKET	3
9.	70144823	RECESS-FILLNECK	1
10.	72661369	POP RIVET-.156X.25 GRIP SS	24
11.	76039990	RUBBER BUMPER	2
12.	72601552	CAP SCR #10-24X1 TRHPHH	2
13.	72062123	NUT-#10-24 LOCK SS	2
14.	60113039	DOOR ROD 21-1/2	2
15.	72063181	WASHER #10 WRT SS	2
16.	60025114	CASTING LIFT BRKT	4
17.	72060046	CAP SCR 3/8-16X1 HHGR5	12
18.	72063165	WASHER 3/8 WRT SS	24
19.	72062103	NUT 3/8-16 HEX NYLOC	12
20.	76392821	WASHER-BONDED SEAL	4
21.	71393883	DECAL-TIRE HANDLER	3
22.	60119931	SHELF-RH HORIZ 7X38	1
23.	60119932	SUPPORT SHELF HORIZ	1
24.	72060023	CAP SCR 5/16-18X3/4 HHGR5 Z	10
25.	72062109	NUT 5/16-18 NYLOC	10
26.	72063002	WASHER-5/16 FLAT	10
27.	76392598	WASHER-BONDED PLTD 5/16	2
28.	52717719	HEADACHE RACK 16X79	1
30.	52706514	TRAY-WLDMT 12-1/2	2
31.	72601283	SCREW MACH #10-24X1/2	6
32.	60121075	AIRINTAKE COVER	1
33.	72063000	WASHER 3/16 FLAT	2
34.	72062106	NUT #10-24 HEX NYLOC ZINC	2
35.	72060636	SCREW - MACH 10-24 X 3/4 RDH	2

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INSTALLATION OF AUXILIARY CHASSIS GROUND CABLE KIT (51716427)

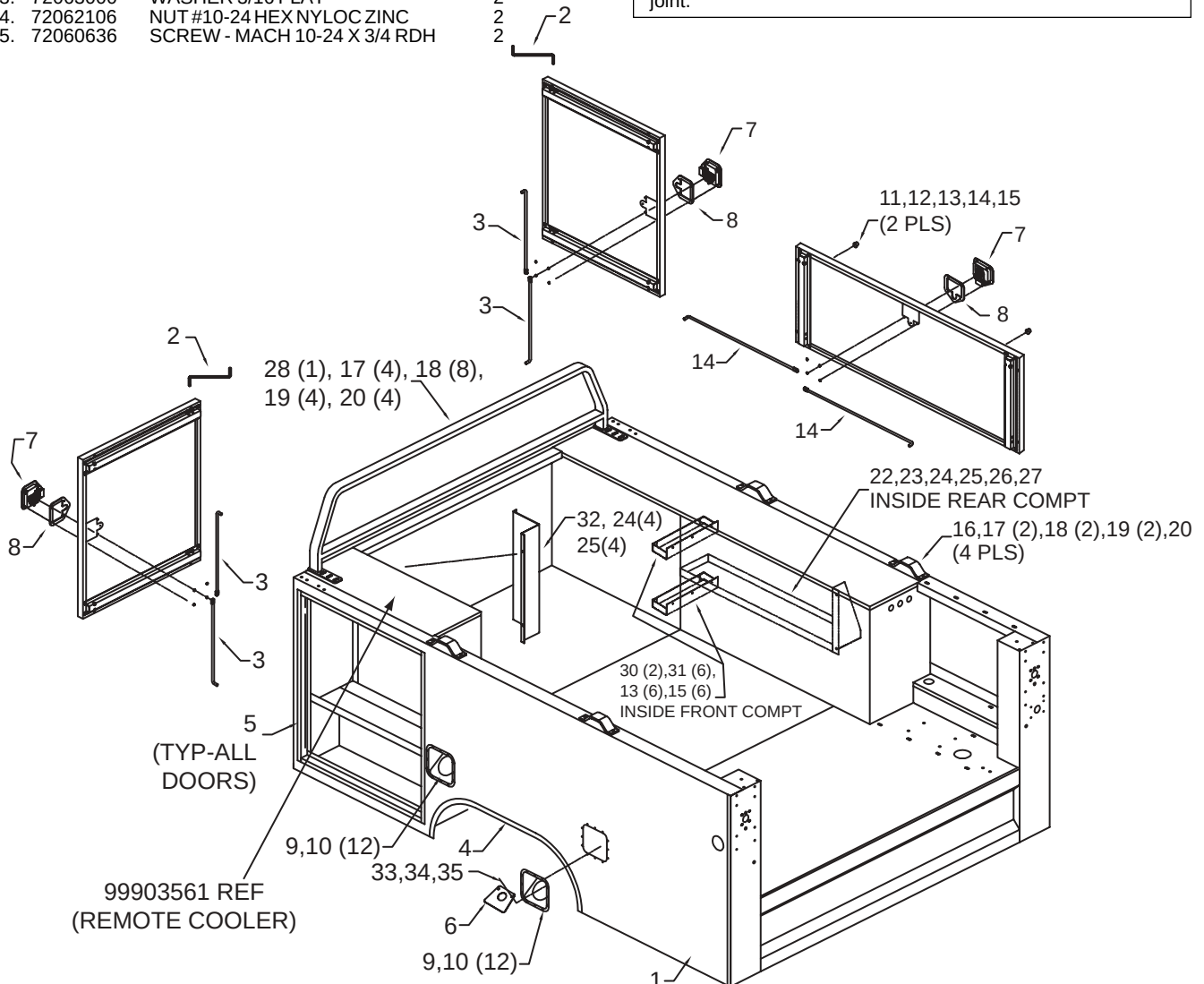
Due to the increased use of electrical components installed on IMT products, we have instituted the practice of installing an auxiliary ground cable between the chassis frame and battery ground terminal, to assist the electrical system of both IMT product and chassis. If your equipment does not include the cable, consider adding the ground cable for added assistance. Install the auxiliary ground cable as follows:

1. Connect one end of cable to chassis frame using 3/8" x 1-1/2" bolt, 5/16" flat washer, 3/8" lock washer, and 3/8" hex nut. See Note.

2. Connect the remaining end of the cable to the ground terminal of the chassis battery or to the engine block. See Note.

NOTE

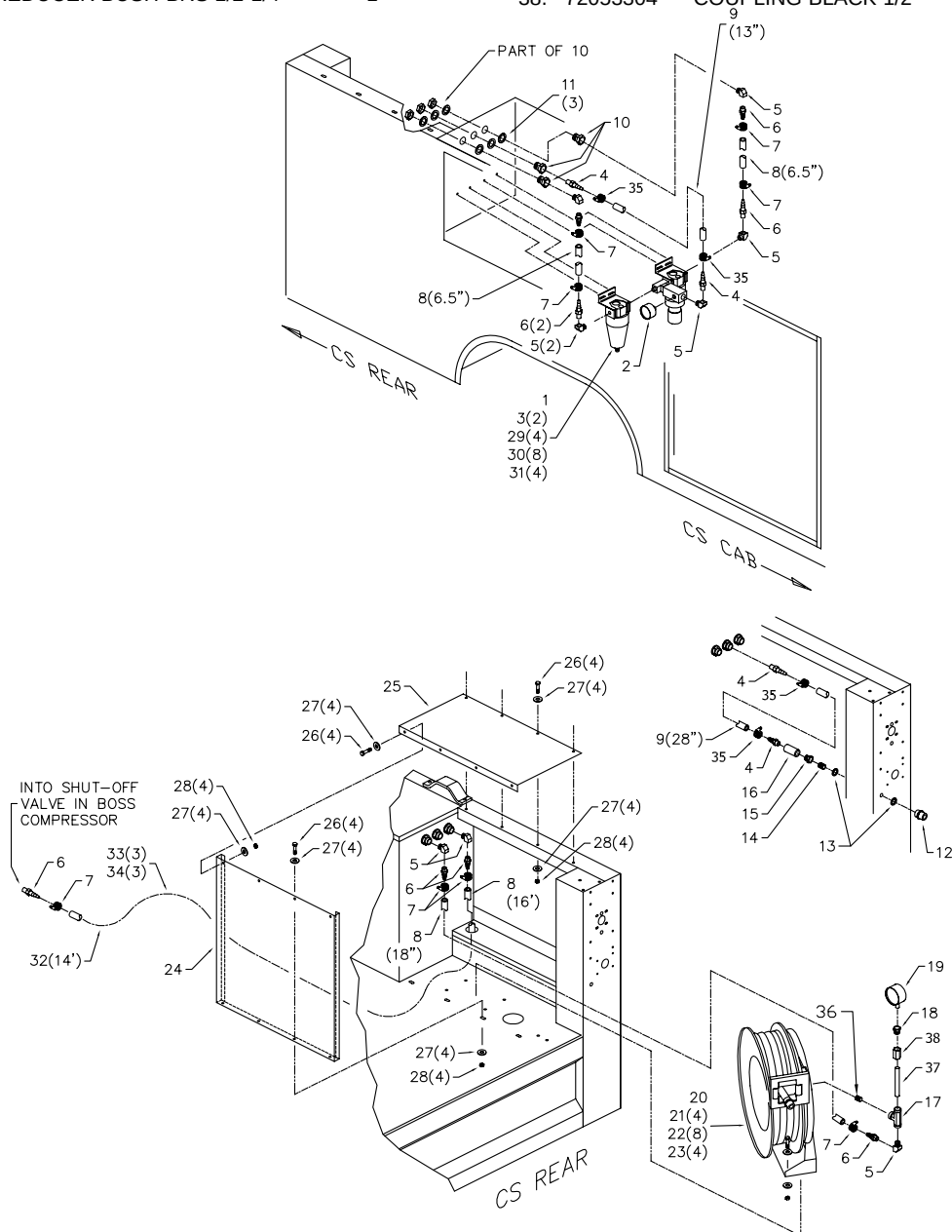
Ground connections made to metal surfaces shall maintain contact integrity when subjected to the normal effects of aging, temperature cycling, moisture, splash, spray washing, fatigue, and other environmental conditions. Metal surfaces shall be free of primer, paint, rust, and corrosion, and have a bright, polished appearance immediately before the ground terminal is connected. A steel flat washer, with an outside diameter approximately equal to the ring terminal diameter, shall be placed between bolt head and terminal. Grounding studs and joints shall be dedicated to the ground and not be used as a structural joint.



BODY ASM W/ SERIES 60 COMPRESSOR (41714951-2)

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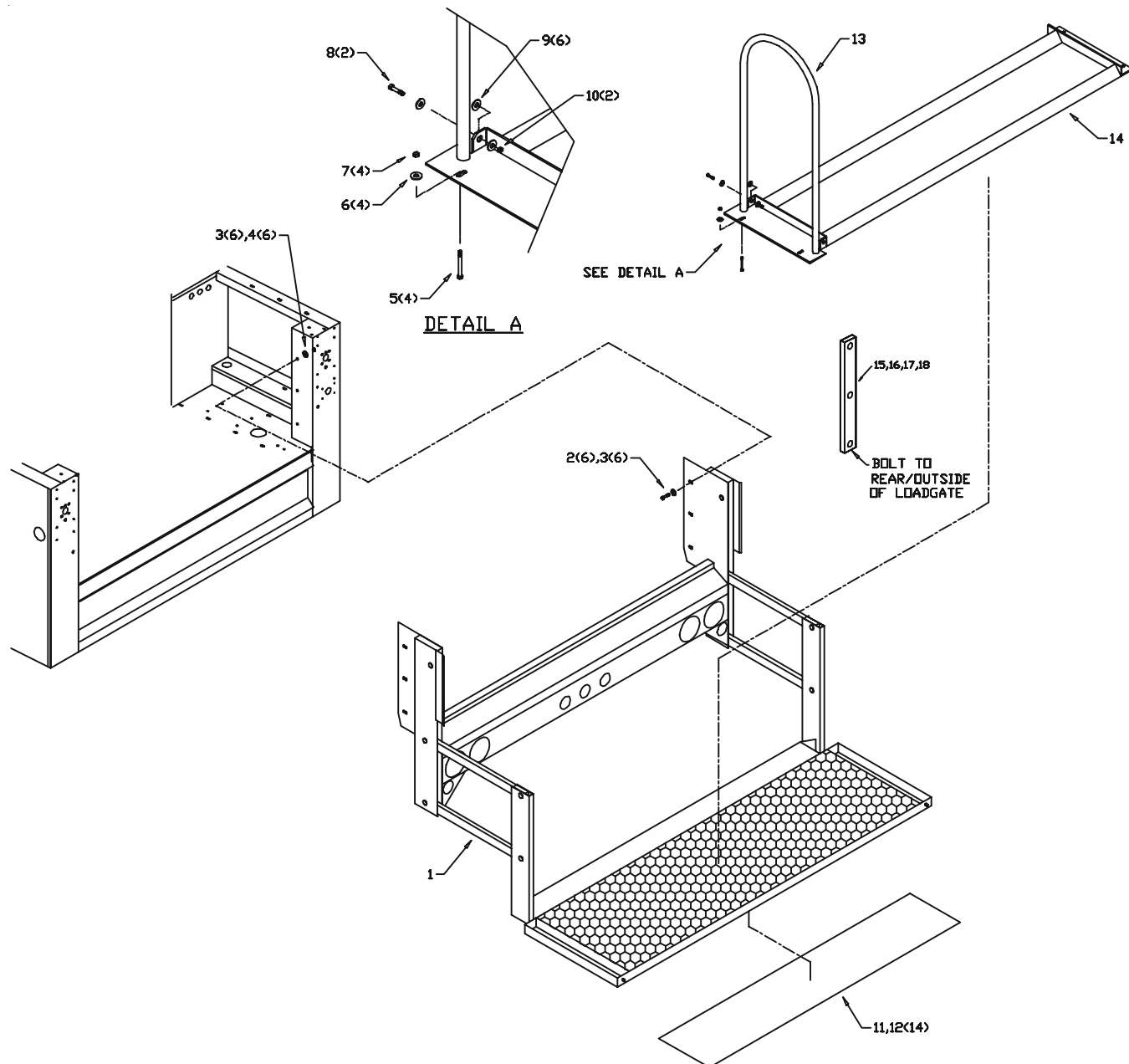
COMPRESSOR (41714931-2)							
ITEM	PART NO.	DESCRIPTION	QTY				
1.	70073139	SEP-REG-OILER ASM	1	19.	70048036	GAUGE-PRESS AIR 300# BTM	1
2.	70048015	GAUGE-PRESS AIR	1	20.	70732096	HOSEREEL	1
3.	70141473	MTG BRKT	2	21.	72060046	CAP SCR 3/8-16X1.00 HH GR5Z	4
4.	72053457	NIPPLE-BARB BRS 1/2MPT 1/2	4	22.	72063003	WASHER 3/8 FLAT	8
5.	72053591	ELBOW-STREET BRS 1/2MPT	8	23.	72062103	NUT 3/8-16 HEX	4
6.	72531547	NIPPLE-BARB BRS 1/2MPT 3/4	8	24.	60115702	SIDE-HOSEREEL COMPT	1
7.	72066000	HOSE CLAMP 1/2-1-1/4 #12	12	25.	60115703	TOP-HOSEREEL COMPT	1
8.	89392349	HOSE-3/4X300# WP GRAY	18.5FT	26.	72060004	CAP SCR 1/4-20X1 HHGR5	4
9.	89039176	HOSE-AIR 1/2X250# RED	3.4FT	27.	72063001	WASHER 1/4W FLAT	24
10.	72533140	COUPLING-BH 1/2X1-1/2 LG	3	28.	72062104	NUT 1/4-20 HEX NYLOC	12
11.	72063066	WASHER 1.00 HISTR YELLOW	3	29.	72060004	CAP SCR 1/4-20X1 HHGR5	4
12.	72532022	QUICK DISCONNECT 1/2FPT	1	30.	72063001	WASHER 1/4W FLAT	8
13.	72063027	MACHY BUSHING .62X14GA NR	2	31.	72062104	NUT 1/4-20 HEX NYLOC Z	4
14.	72532733	NIPPLE-PIPE BRS 1/4XCLOSE	1	32.	89044461	LOOM-1.00ID BULK	14FT
15.	72531812	REDUCER BUSH-BRS 1/2 1/4	1	33.	72066582	CLAMP	3
16.	72053304	COUPLING-BLK 1/2	1	34.	72060833	SCR-THRD CUT 5/16-18X3/4	3
17.	72053612	TEE-STL 1/2	1	35.	72066061	CLAMP HOSE 3/8-7/8 SAE 6	4
18.	72531812	REDUCER BUSH-BRS 1/2-1/4	1	36.	72533022	NIPPLE PIPE BRASS 1/2 X CLOSE	1
				37.	72053096	NIPPLE PIPE BLK 1/2X4.00	1
				38.	72053304	COUPLING BLACK 1/2	1



BODY ASM W/ SERIES 60 COMPRESSOR (41714951-3)

CONTINUED ON FOLLOWING PAGE

1. 70732187	LOADGATE	1		
2. 72060047	CAP SCR 3/8-16X1-1/4 HHGR5	6		
3. 72063003	WASHER 3/8W FLAT	12		
4. 72062103	NUT 3/8-16 HEX NYLOC	6		
5. 72060032	CAP SCR 5/16-18X2-3/4 HHGR5	4		
6. 72063002	WASHER 5/16W FLAT	4		
7. 72062109	NUT 5/16-18 HEX NYLOC	4		
8. 72060093	CAP SCR 1/2-13X1-1/2 HHGR5	2		
9. 72063005	WASHER 1/2W FLAT	6		
10. 72062080	NUT 1/2-13 HEX NYLOC	2		
			11. 60250359	PANEL-LOADGATE DECAL 1
			12. 72066349	RIVET-POP AL .19X.50 GRIP 14
			13. 52708024	TIRE STOP-WLDMT LOADGATE 1
			14. 52706335	SIDE RAIL-WLDMT LOADGATE 1
			15. 60030312	WEAR PAD 1
			16. 72060025	CAP SCR 5/16-18X1 HHGR5 4
			17. 72063002	WASHER 5/16 WRT 4
			18. 72062109	NUT 5/16-18 LOCK 4



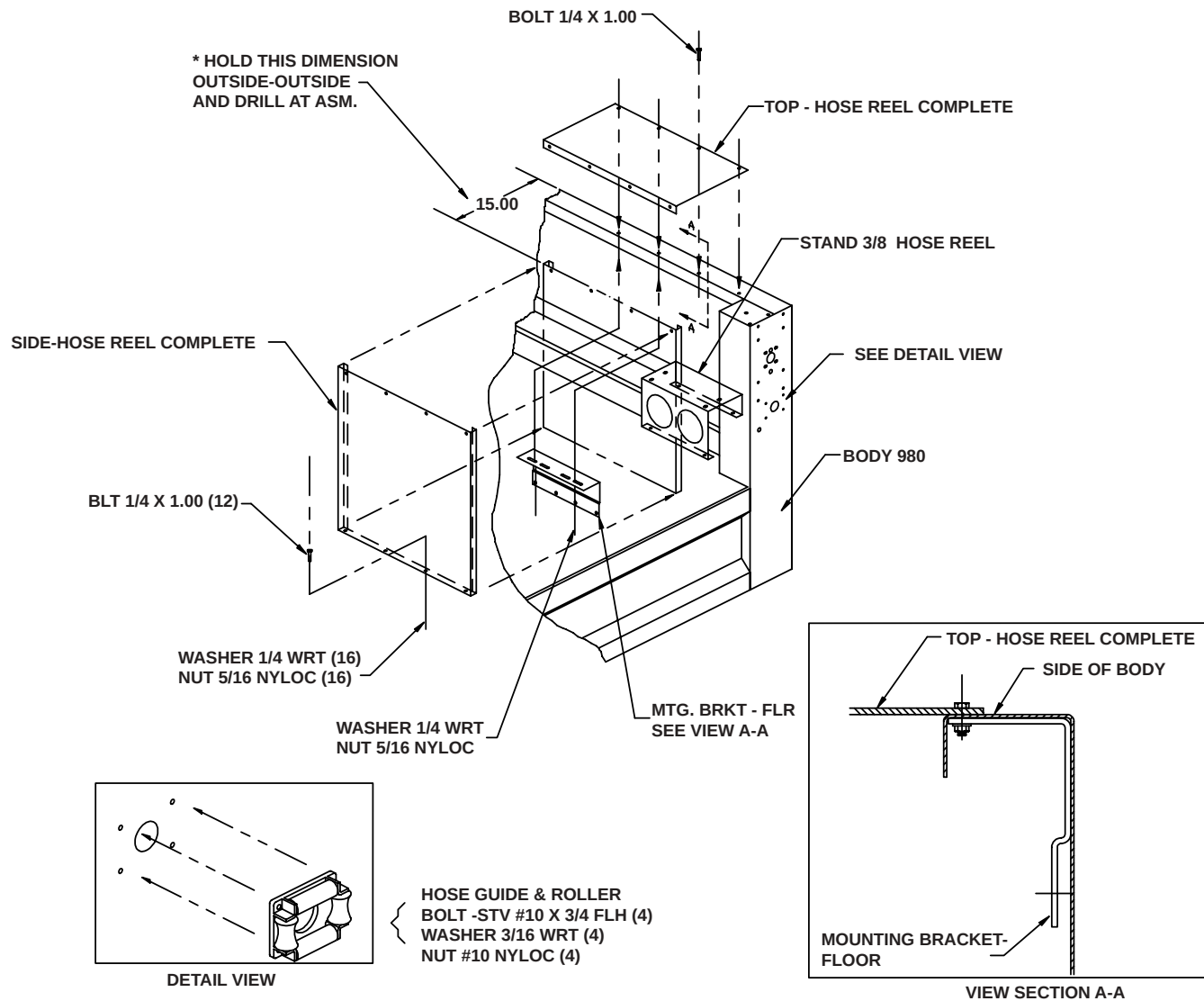
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BODY ASM W/ SERIES 60 COMPRESSOR (41714951-4)

ITEM	PART NO.	DESCRIPTION	QTY
1.	70073625	HOSE REEL	1
2.	72531132	STREET ELBOW 3/8 90°	1
3.	72060025	CAP SCR 5/16-18X1 HHGR5	4
4.	72062109	NUT 5/16-18 LOCK	4
5.	72063002	WASHER 5/16 WRT	8
6.	72066061	HOSE CLAMP	2
7.	72531543	BARB NIPPLE 3/8MPT 1/2HOSE	1

8.	72532021	QUICK DISCONNECT 1/4FPT	1
9.	72532038	NIPPLE-DISC 1/4FPT	1
10.	89039176	AIR HOSE 1/2 250#	3FT
11.	60115700	HOSE REEL STAND	1
12.	70731371	HOSE GUIDE & ROLLER ASM	1
13.	72060025	CAP SCR 5/16-18X1 HHGR5	4
14.	72062106	NUT #10-24 LOCK	4
15.	72062109	NUT 5/16-18 LOCK	4
16.	72063000	WASHER 3/16 WRT	4
17.	72063001	WASHER 1/4 WRT	8
18.	72601004	STOVE BOLT #10-24X3/4 FLHD	4



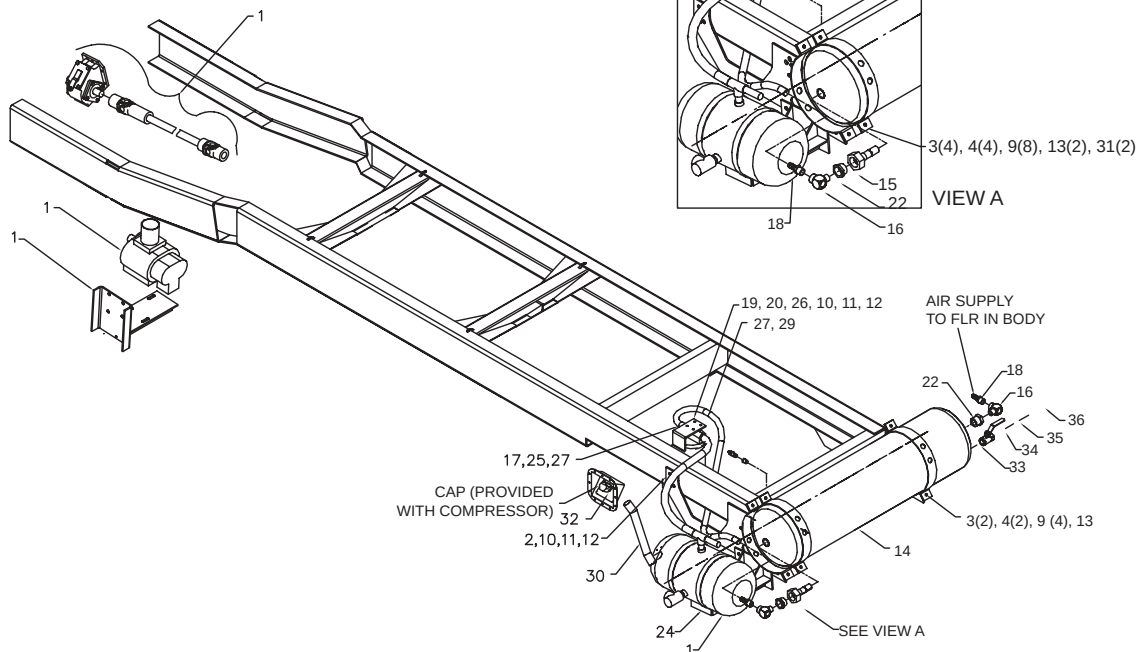
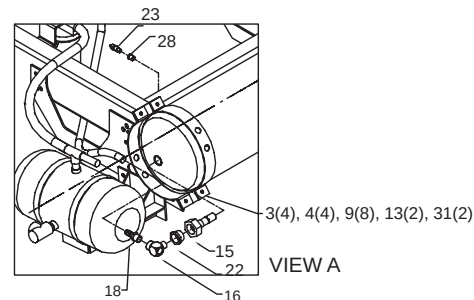
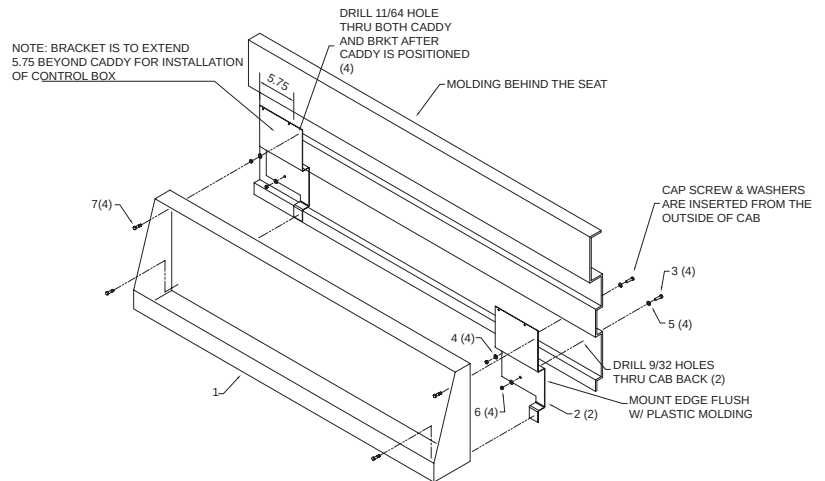
**CHASSIS PREP-BODY W/ SERIES 60
COMPRESSOR-'99 FORD (41714952)**

1.	20019	SERIES 60 COMPRESSOR	1
2.	52710649	BRACKET	3
3.	72060048	CAP SCR 3/8-16X1 HHGR5	6
4.	72062103	NUT 3/8-16 HEX NYLOC	6
5.	93029598	RUNNING BOARD	1
6.	70073147	FIRE EXTINGUISHER W/BRKT	1
7.	70073146	KIT-REFLECTOR	1
8.	70733305	DEFLECTOR	1
9.	72063002	WASHER 5/16 WRT	12
10.	72062080	NUT 1/2-13 LOCK	7
11.	72063005	WASHER 1/2 WRT	14
12.	72060093	CAP SCR 1/2-13X1-1/2 HHGR5	7
13.	60106492	BRACKET	3
14.	70733423	AIR TANK-22 GAL	1
15.	73540054	CHECK VALVE	1
16.	72053556	STREET ELBOW 3/4NPT 90°	2
17.	72531133	STREET ELBOW 1/2NPT 90°	1
18.	72053458	BARB NIPPLE 3/4MPT 3/4	2
19.	72060023	CAP SCR 5/16-18X3/4 HHGR5	4
20.	72063050	WASHER 5/16 LOCK	4
22.	72531836	REDUCER BUSHING 1-1/4 3/4	2
23.	73054032	SAFETY VALVE 200PSI 1/4NPT	1
24.	52715608	BRACKET	1
25.	72531547	BARB NIPPLE 1/2MPT 3/4	1
26.	60122022	BRACKET	1
27.	72066004	HOSECLAMP	3
28.	72053372	REDUCER BUSHING 3/8 1/4	1
29.	89392349	HOSE 3/4 300#	72'
30.	51396125	HOSE-FF 1" X 23"	1
31.	60122286	TANK BRACKET	2
32.	72533058	ELBOW #16MJIC #16MJIC BLKHD	1
33.	72053141	NIPPLE, BLK PIPE 3/4 CL	1
34.	73054230	VALVE, BALL 3/4	1
35.	72053375	RED BUSHING, BLK 3/4-1/2	1
36.	72096133	MUFFLER, AIR 3/4 NPT	1
37.	72063067	WASHER 1.25 HI-STR	1

(NOTE: 60110018 REMOVED REV. J)

2-7

1.	70733084	CAB CADDY	1
2.	60121009	MTG BRACKET	2
3.	72060005	CAP SCR 1/4-20X1-1/4 HHGR5	4
4.	72063001	WASHER 1/4 WRT	4
5.	76392820	WASHER 1/4 BONDED	4
6.	72062104	NUT 1/4-20 LOCK	4
7.	72061004	SHT MTL SCR #14X3/4 SLTHEX	4



**CHASSIS PREP-BODY W/ SERIES 60
COMPRESSOR-'99 FORD-AT (41715063)**

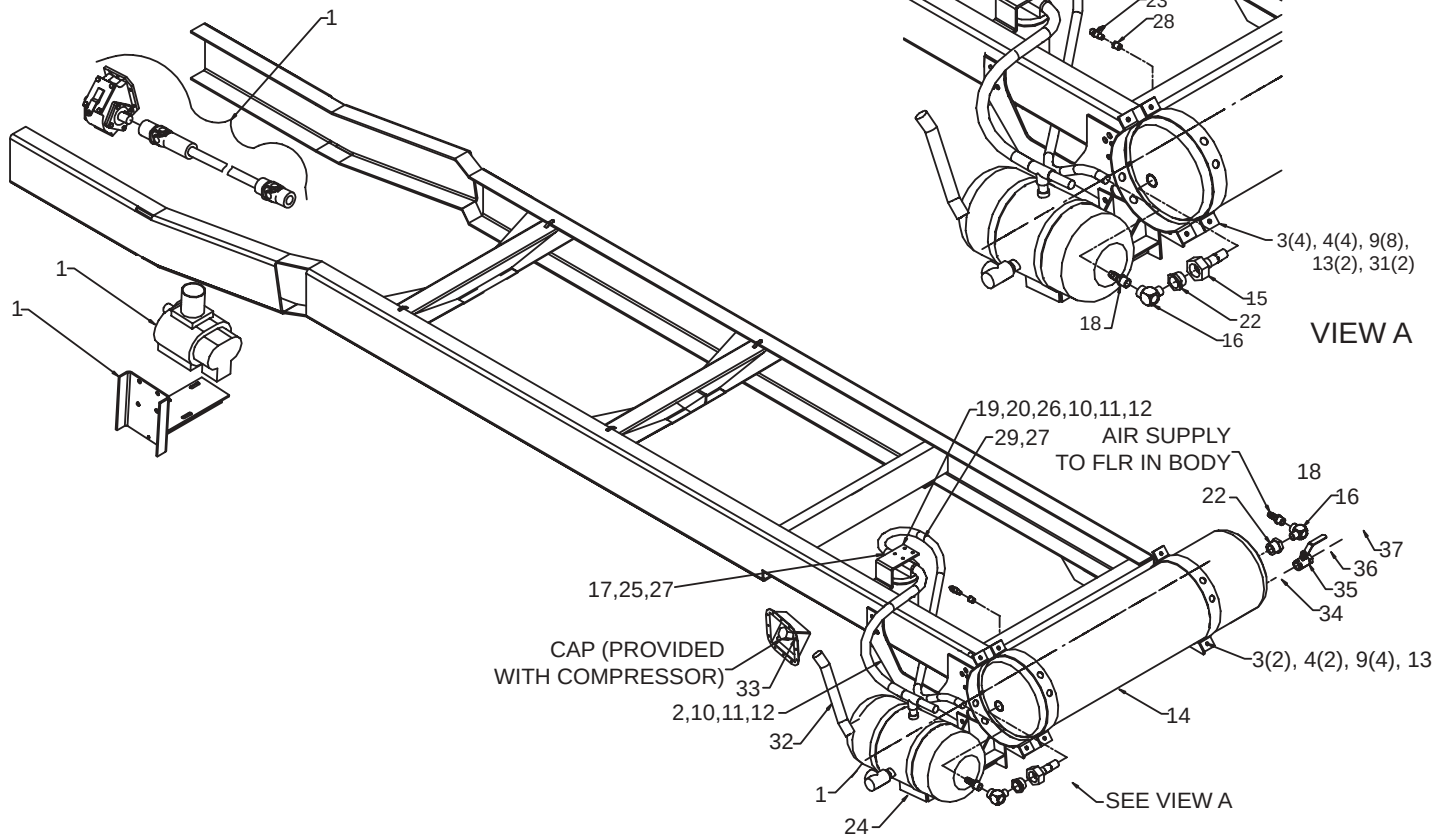
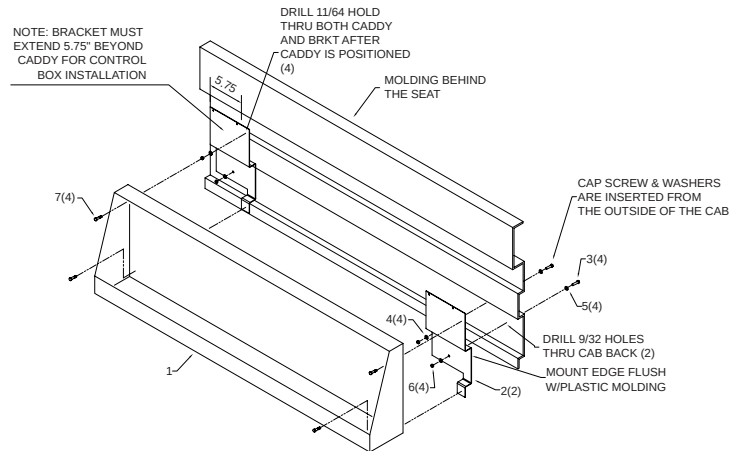
1.	20031	SERIES 60 COMPRESSOR	1
2.	52710649	BRACKET	3
3.	72060048	CAP SCR 3/8-16X1 HHGR5	6
4.	72062103	NUT 3/8-16 HEX NYLOC	6
5.	93029598	RUNNING BOARD	1
6.	70073147	FIRE EXTINGUISHER W/BRKT	1
7.	70073146	KIT-REFLECTOR	1
8.	70733305	DEFLECTOR	1
9.	72063002	WASHER 5/16 WRT	12
10.	72062080	NUT 1/2-13 LOCK	7
11.	72063005	WASHER 1/2 WRT	14
12.	72060093	CAP SCR 1/2-13X1-1/2 HHGR5	7
13.	60106492	BRACKET	3
14.	70733423	AIR TANK-22 GAL	1
15.	73540054	CHECK VALVE	1
16.	72053556	STREET ELBOW 3/4NPT 90°	2
17.	72531133	STREET ELBOW 1/2NPT 90°	1
18.	72053458	BARB NIPPLE 3/4MPT 3/4	2
19.	72060023	CAP SCR 5/16-18X3/4 HHGR5	4
20.	72063050	WASHER 5/16 LOCK	4
22.	72531836	REDUCER BUSHING 1-1/4 3/4	2
23.	73054032	SAFETY VALVE 200PSI 1/4NPT	1
24.	52715608	BRACKET	1
25.	72531547	BARB NIPPLE 1/2MPT 3/4	1
26.	60122022	BRACKET	1
27.	72066004	HOSE CLAMP	3
28.	72053372	REDUCER BUSHING 3/8 1/4	1
29.	89392349	HOSE 3/4 300#	72"
30.	70395315	DECAL-OP INSTRUCTIONS	1
31.	60122286	TANK BRACKET	1

2-8

32.	51396125	HOSE-FF 1"X23"	1
33.	72533058	ELBOW #16MJIC #16MJIC BLKHD	1
34.	72053141	NIPPLE BLK PIPE 3/4CLOSE	1
35.	73054230	VALVE, BALL 3/4	1
36.	72053375	RED BUSHING BLK 3/4-1/2	1
37.	70396133	MUFFLER, AIR 3/4 NPT	1
38.	72063067	WASHER 1.25 HI-STR ZINC	1

(NOTE: ITEM #21 60110018 RMV. REV. K)

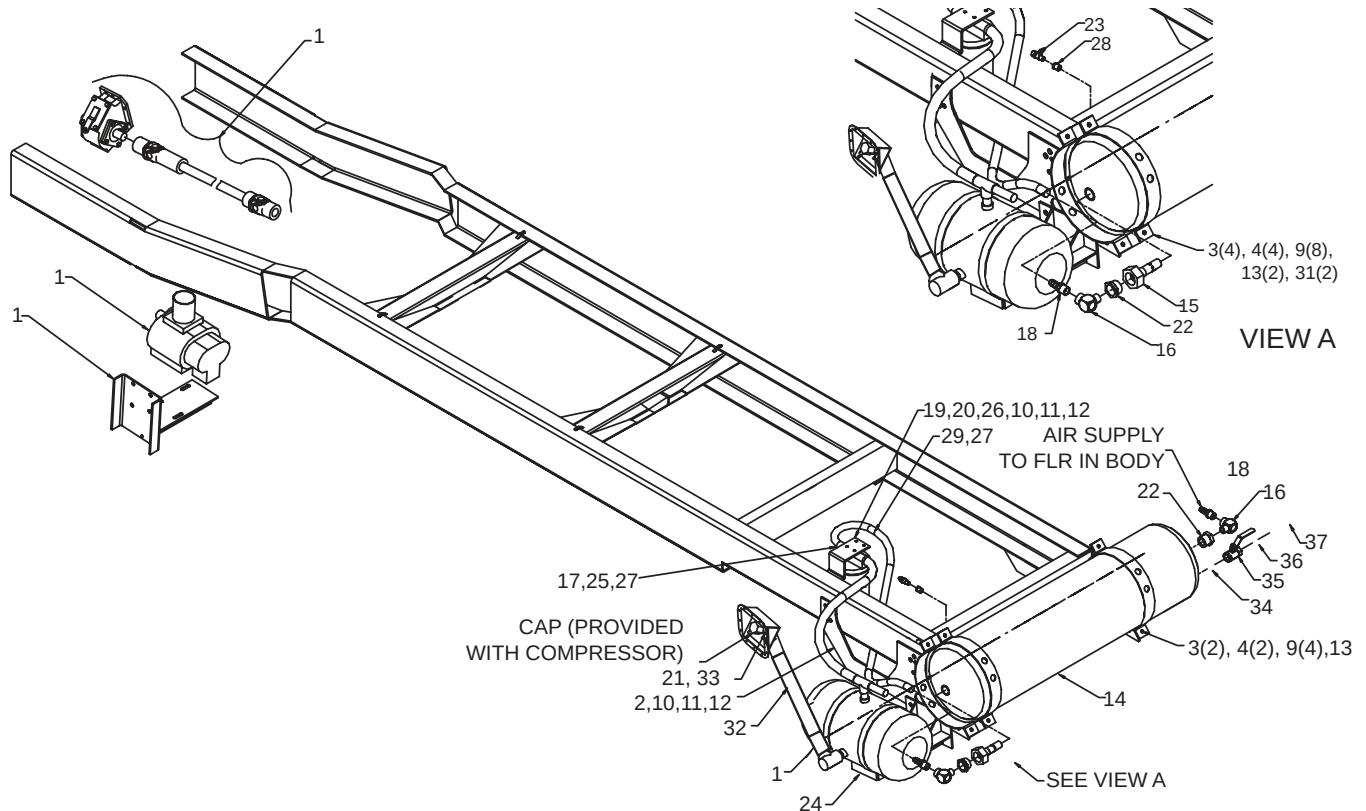
1.	70733084	CAB CADDY	1
2.	60121009	MTG BRACKET	2
3.	72060005	CAP SCR 1/4-20X1-1/4 HHGR5	4
4.	72063001	WASHER 1/4 WRT	4
5.	76392820	WASHER 1/4 BONDED	4
6.	72062104	NUT 1/4-20 LOCK	4
7.	72061004	SHT MTL SCR #14X3/4 SLTHEX	4



CHASSIS PREP-BODY W/ SERIES 60 COMPRESSOR-'05 FORD-AT (41719286-1)

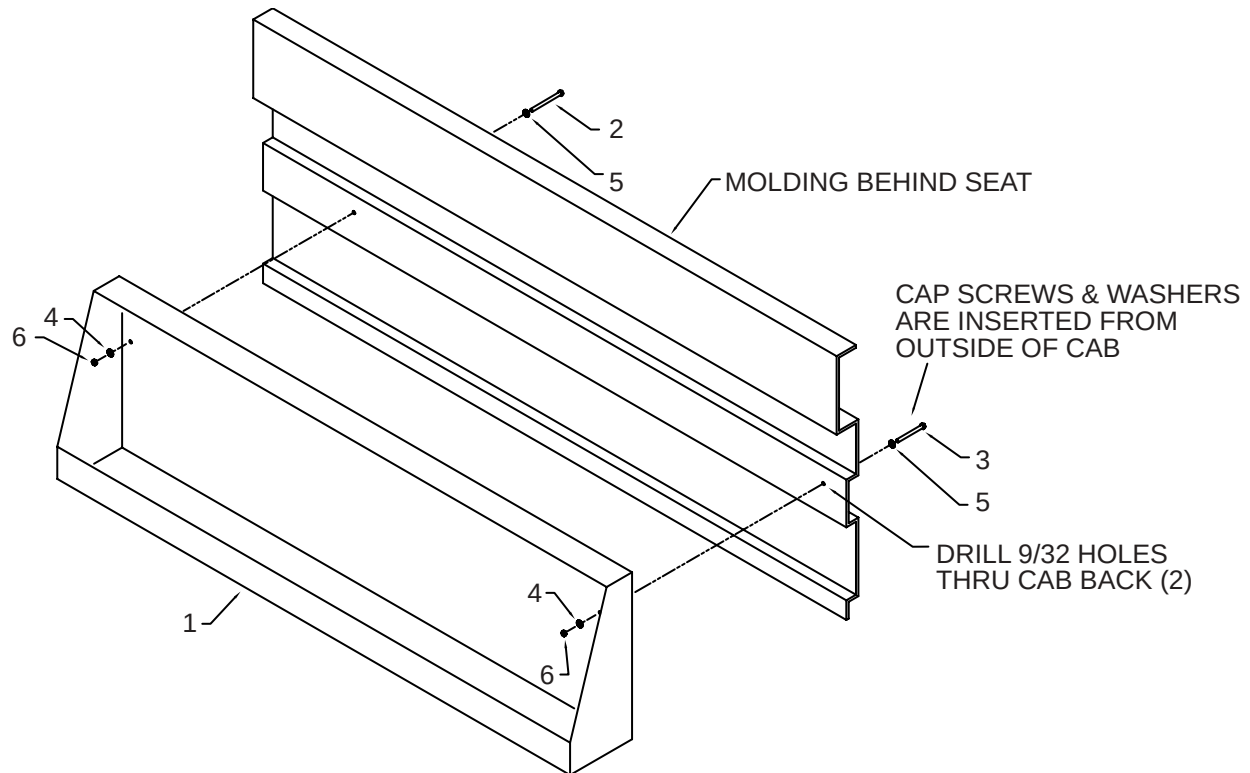
1.	20031	SERIES 60 COMPRESSOR	1
2.	52710649	BRACKET	2
3.	72060048	CAP SCR 3/8-16X1 HHGR5	6
4.	72062103	NUT 3/8-16 HEX NYLOC	6
5.	93029608	RUNNING BOARD	1
6.	70073147	FIRE EXTINGUISHER W/BRKT	1
7.	70073146	KIT-REFLECTOR	1
8.	70732682	DEFLECTOR	1
9.	72063002	WASHER 5/16 WRT	12
10.	72062080	NUT 1/2-13 LOCK	7
11.	72063005	WASHER 1/2 WRT	14
12.	72060093	CAP SCR 1/2-13X1-1/2 HHGR5	7
13.	60106492	BRACKET	3
14.	70733423	AIR TANK-22 GAL	1
15.	73540054	CHECK VALVE	1
16.	72053556	STREET ELBOW 3/4NPT 90°	2
17.	72531133	STREET ELBOW 1/2NPT 90°	1

18.	72053458	BARB NIPPLE 3/4MPT 3/4	2
19.	72060023	CAP SCR 5/16-18X3/4 HHGR5	4
20.	72063050	WASHER 5/16 LOCK	4
21.	72063067	WASHER 1.25 HI-STR ZINC	1
22.	72531836	REDUCER BUSHING 1-1/4 3/4	2
23.	73054032	SAFETY VALVE 200PSI 1/4NPT	1
24.	52715608	BRACKET	1
25.	72531547	BARB NIPPLE 1/2MPT 3/4	1
26.	60122022	BRACKET	1
27.	72066004	HOSE CLAMP	3
28.	72053372	REDUCER BUSHING 3/8 1/4	1
29.	89392349	HOSE 3/4 300#	72"
30.	70396381	DECAL-OP INSTRUCTIONS	1
31.	60122286	TANK BRACKET	2
32.	51396125	HOSE-FF 1"X23"	1
33.	72533058	ELBOW #16MJIC #16MJIC BLKHD	1
34.	72053141	NIPPLE BLK PIPE 3/4CLOSE	1
35.	73054230	VALVE,BALL 3/4	1
36.	72053375	RED BUSHING BLK 3/4-1/2	1
37.	70396133	MUFFLER, AIR 3/4 NPT	1



**CHASSIS PREP-BODY W/ SERIES 60
COMPRESSOR-'05 FORD-AT (41719286-
2)**

1.	70733084	CAB CADDY - PLASTIC	1
2.	72060014	CAP SCREW 1/4-20 X 3.5 HHGR5Z	1
3.	72060012	CAP SCREW 1/4-20 X 3 HHGR5Z	1
4.	72063001	WASHER 1/4 FLAT	2
5.	76392820	WASHER, 1/4 BONDED PLTD	2
6.	72062104	NUT 1/4-20 HEX NYLOC	2

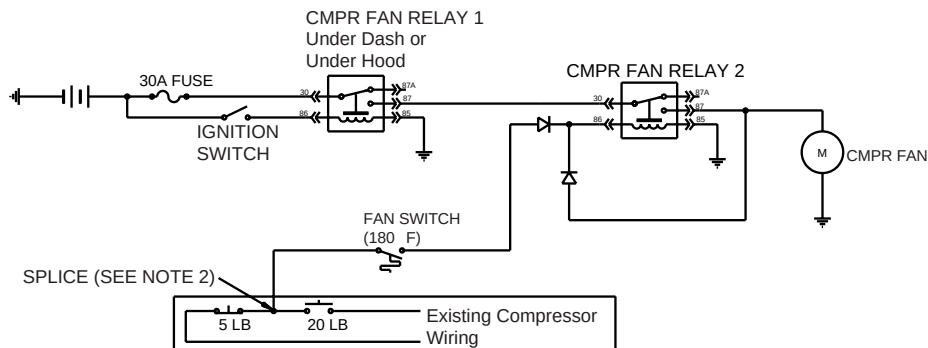
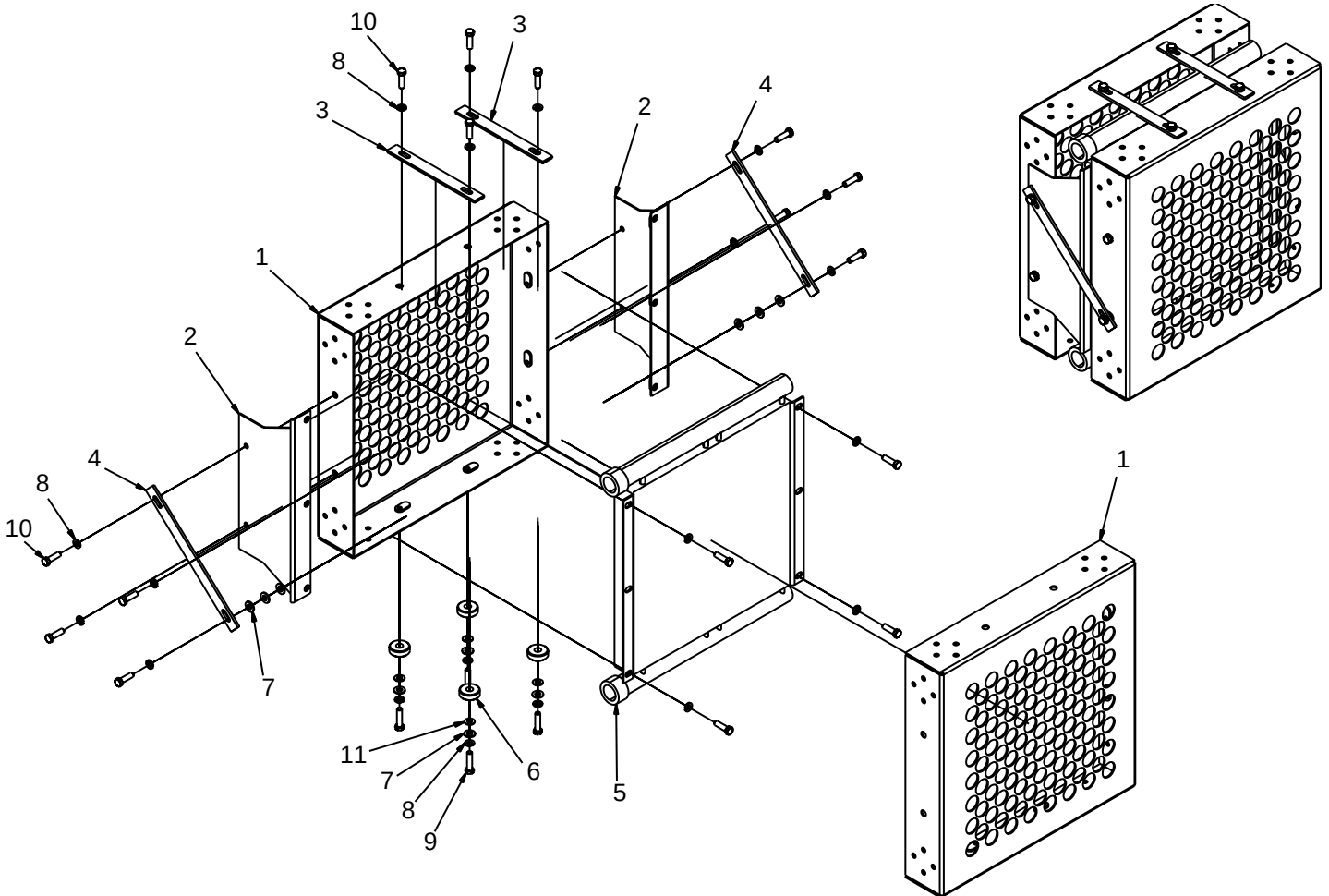


REMOTE COOLER (DWG. 99903561) **(PRODUCT # 91718274)**

1.	52705023	WELDMENT, SHROUD	2
2.	52713702	WELBMENT, OIL COOLER	2
3.	60125718	STRAP, 9"	2
4.	60125719	STRAP, 12"	2
5.	70143092	OIL COOLER, FAN ASM	1
6.	60030243	SPACER	4
7.	72063003	WASHER 3/8 FLAT	10
8.	72063051	WASHER 3/8 LOCK	20
9.	72060048	CAP SCR 3/8-16X1.5 HHGR5Z	4
10.	72060047	CAP SCR 3/8-16X1.25 HHGR5Z	16
11.	76392821	WASHER, BONDED PLT 3/8	4
12.	77041645	TEMP SWITCH	1

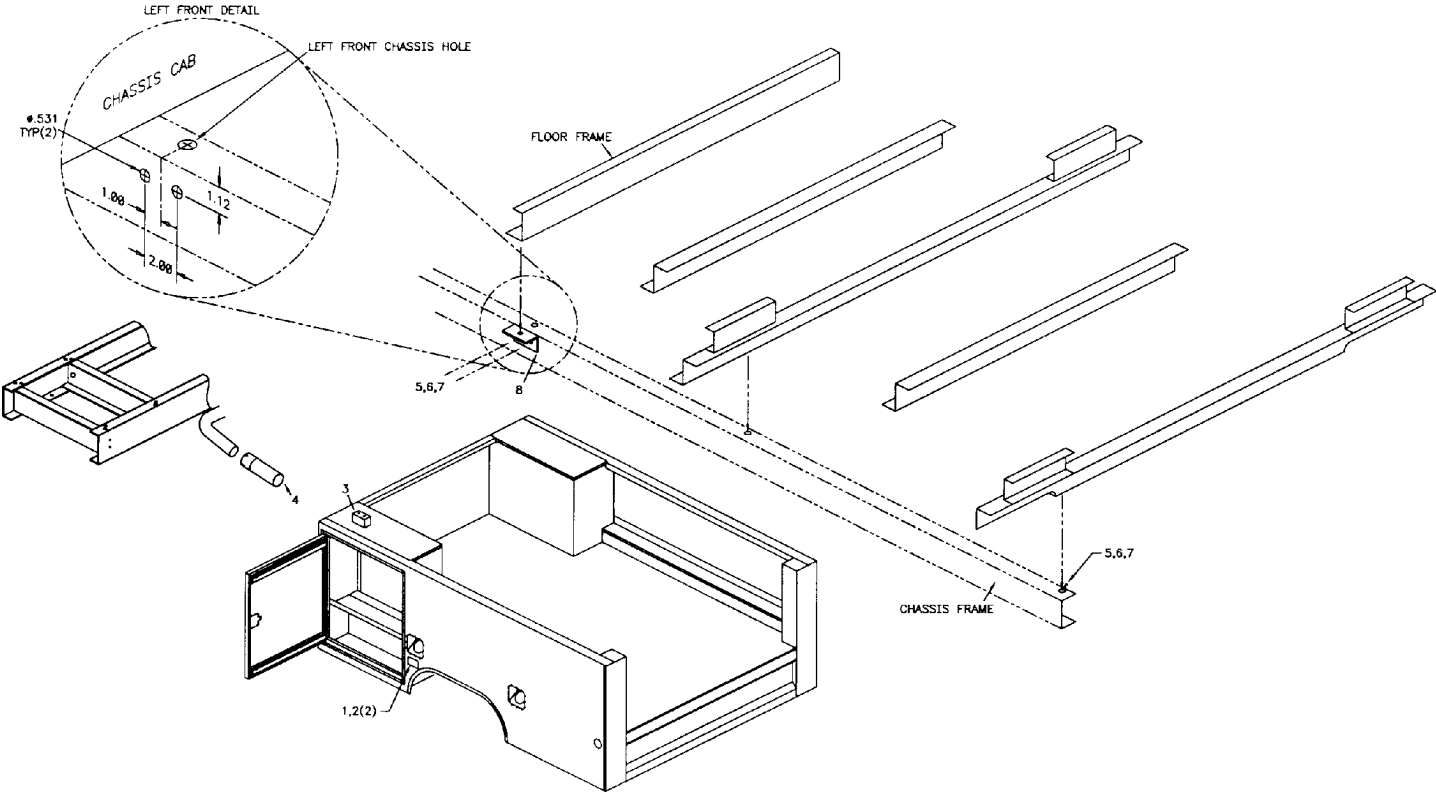
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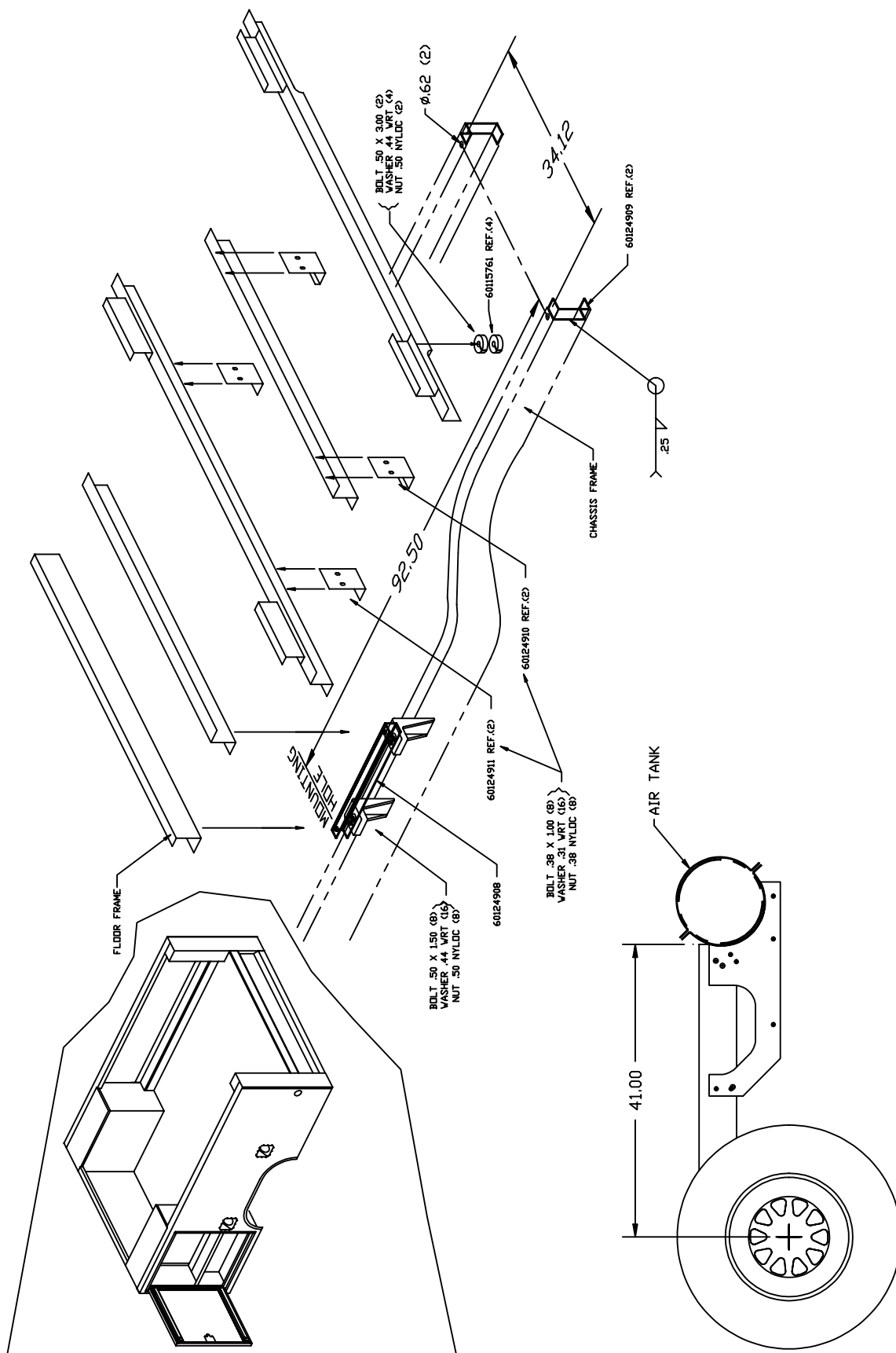
1. REMOTE COOLER, PART NUMBER 91718274, IS USED ON 2003 OR NEWER FORD SUPER DUTY CHASSIS DUE TO LACK OF MOUNTING SPACE FOR A RADIATOR-MOUNTED COOLER AS INTENDED BY THE COMPRESSOR MANUFACTURER.
2. INSTALL FAN SWITCH (180°) IN OIL LINE BETWEEN SUMP AND REMOTE OIL COOLER INLET. ADD TEE IF NEEDED TO ACCOMMODATE SWITCH.
3. WIRING FOR FAN SWITCH (180°) WILL NEED TO BE SPLICED INTO EXISTING COMPRESSOR WIRING BETWEEN 5 LB N.C. AND 20LB N.O. SWITCHES.



INSTALLATION DWG (99900636)

ITEM	PART NO.	DESCRIPTION	QTY
1.	70029119	PLACARD-SERIAL NUMBER	1
2.	72066340	RIVET-POP AL .12X.375 GRIP	2
3.	60121084	SPACER-BLOCK	1
4.	70143686	EXHAUST CONNECTOR	1
5.	72060117	CAP SCR 1/2-13X1-1/2 HHGR8	8
6.	72062080	NUT 1/2X13 HEX NYLOC ZINC	8
7.	72063004	WASHER .44W FLAT	16
8.	60121796	MTG ANGLE	1



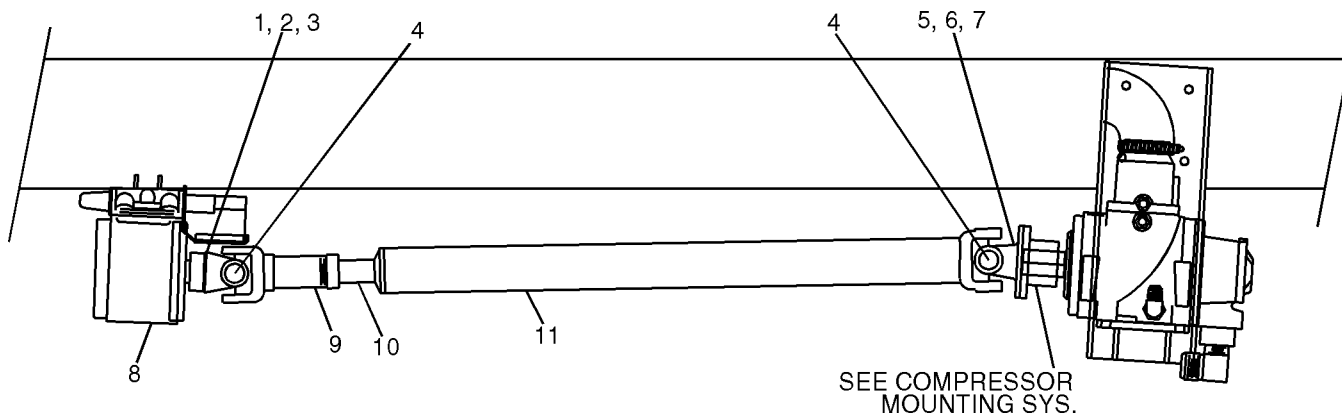
**INSTALLATION KIT - DODGE 2002
(93717917)**

DRIVESHAFT ASM (70008W)

ITEM	PART NO.	DESCRIPTION	QTY
1.	300164-533	END YOKE	1
2.	973406-050	SET SCREW W/HOLE 3/8-16	1
3.	301486	WIRE-SET SCR	1
4.	300154-153	U-JOINT	2
5.	300196-329	FLANGE YOKE	1
6.	929406-125	BOLT 3/8X1-1/4UNF GR8	4
7.	925706-198	NUT 3/8 LOCK	4
8.	300159-074	PTO	1
9.	300248-093	FILLER BLOCK	1
10.	300247-006	STUD KIT	1
11.	300155-128	SLIP ASM 1-3/8	1
12.	300198-1312	SHAFT 1	1
13.	300197-017	TUBE-YOKE ASM	1

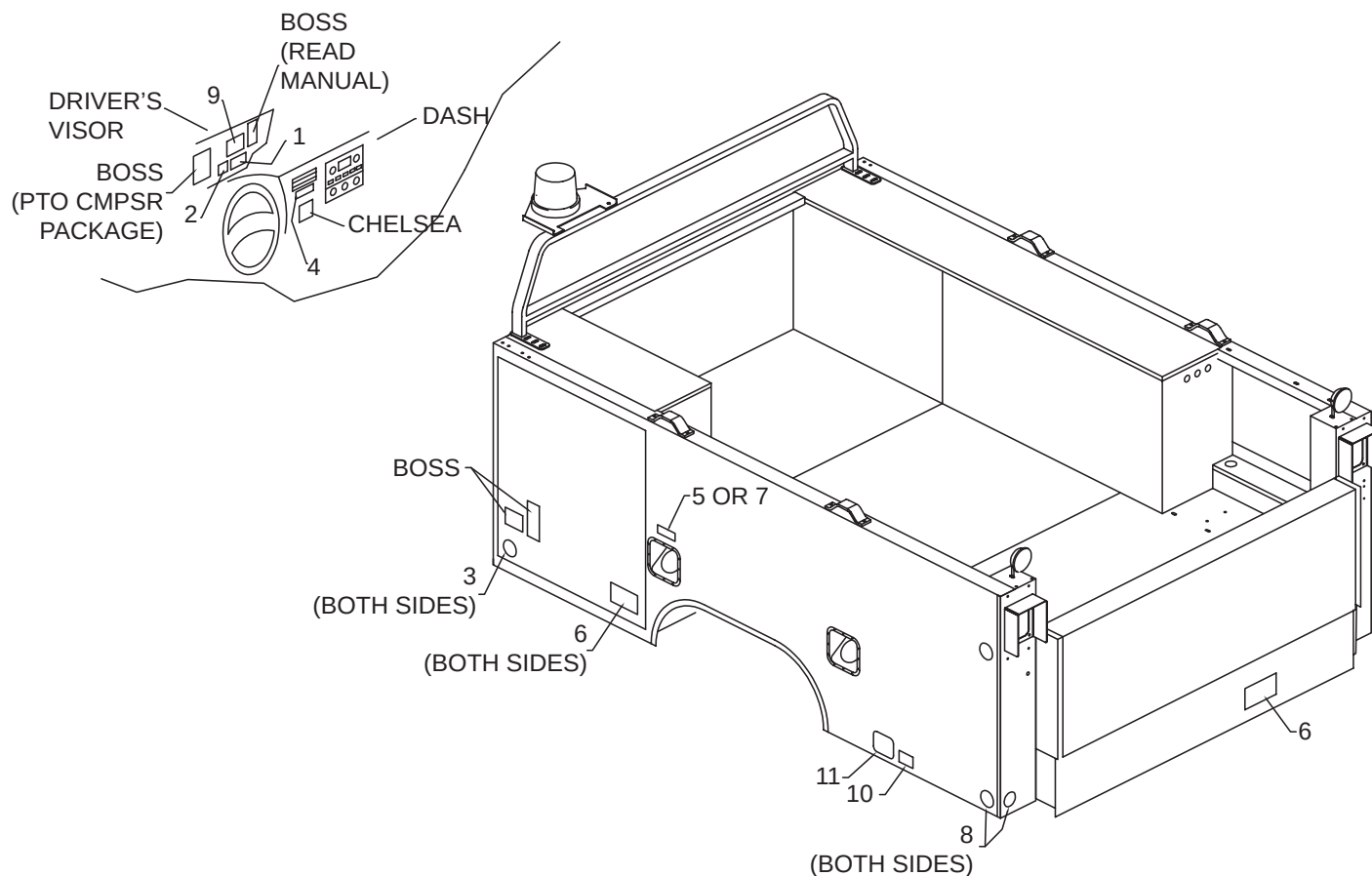
WARNING

The installer of the driveline must inspect the final position of the driveline to determine whether its location provides sufficient protection to an operator, or other personnel, from hazards associated with a rotating driveline. If protection is insufficient, the installation of a guard is required. If you are unsure of methods to guard a rotating driveline, call Iowa Mold Tooling Co., Inc. for instructions. Failure to do so may result in serious injury or death.



DECAL KIT (95714954)

ITEM	PART NO.	DESCRIPTION	QTY
1.	70392982	DECAL-SERVICE AND REPAIR	1
2.	70392213	DECAL- DON'T WASH/WAX	1
3.	70039058	REFLECTOR-AMBER ROUND	2
4.	70392965	DECAL-THINK SAFETY (SMALL)	1
5.	70392453	DECAL-UNLEADED GAS ONLY	1
6.	71393883	DECAL-TIRE HNDLR PRODUCTS	3
7.	70392309	DECAL-DIESEL FUEL ONLY	1
8.	70039057	REFLECTOR-RED ROUND	4
9.	71039134	DECAL-CAUTION OIL LEVEL	1
10.	301475	DECAL-COMP FLUID IMT (INCL. W/COMPRESSOR)	1
11.	70396127	DECAL-COMP SIGHT GLASS	1

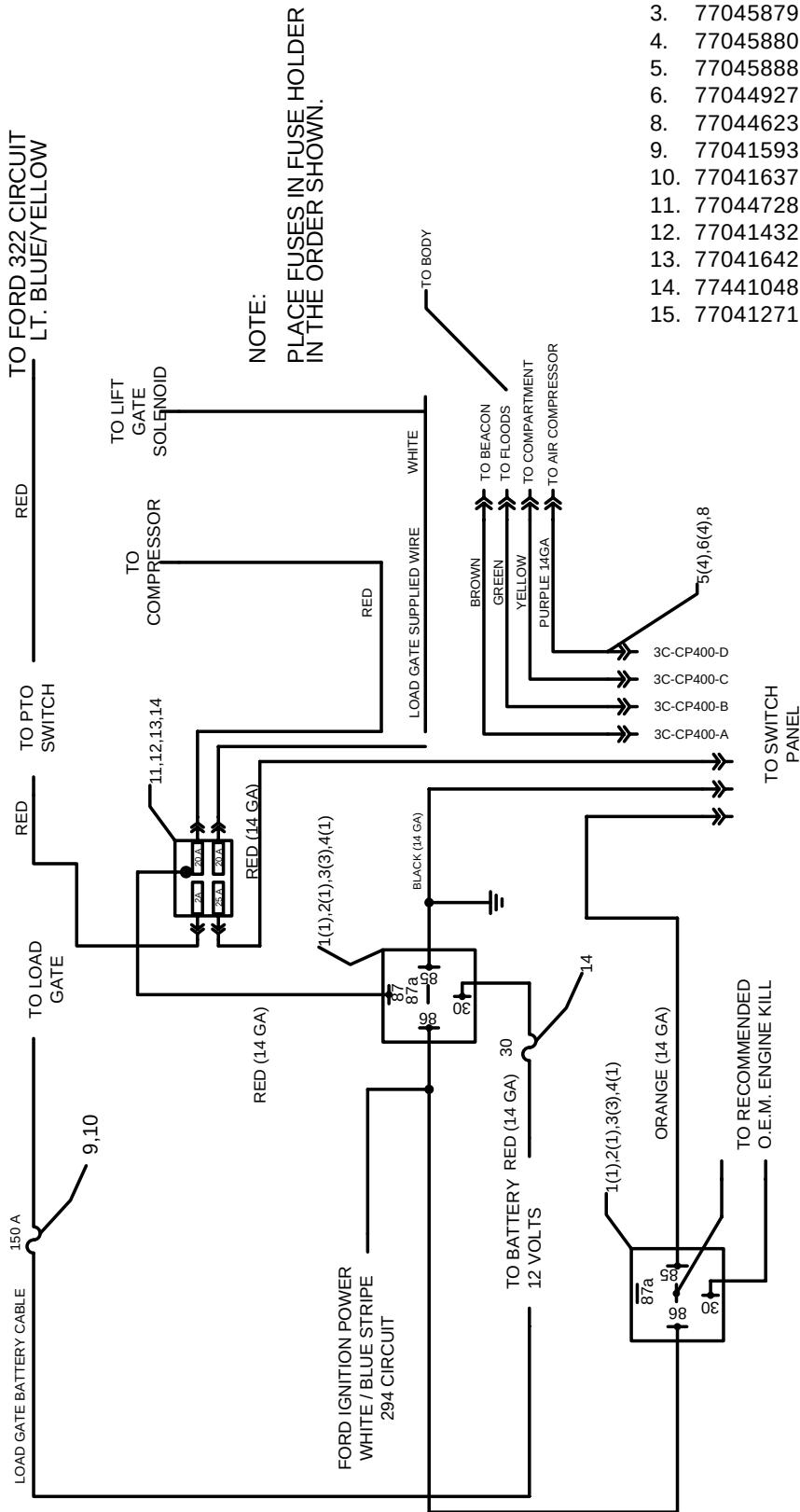


**SWITCH PANEL PHOTOS -
AUTOMATIC TRANSMISSION
(99903408-2)**

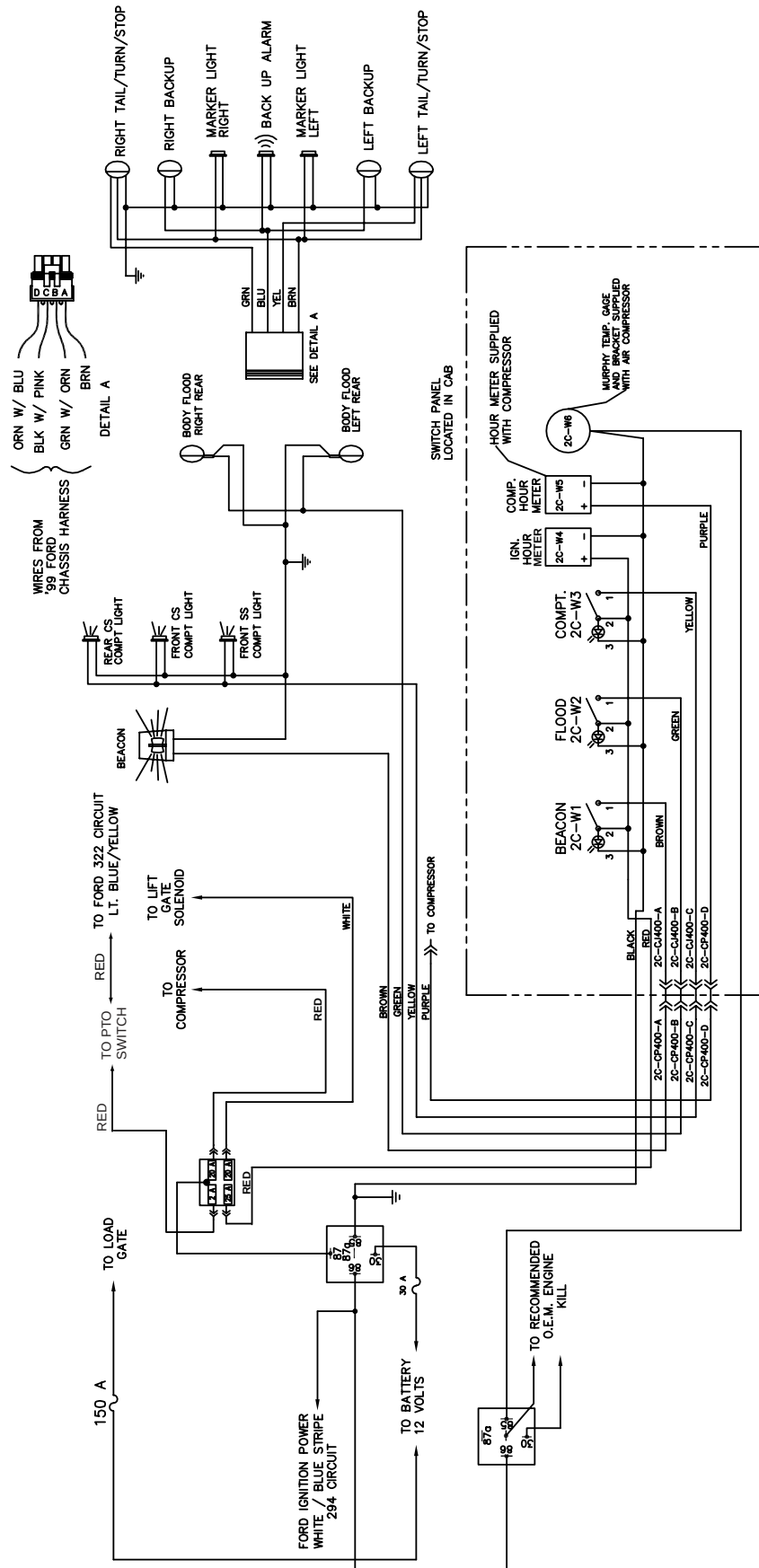


FRONT END KIT - AUTOMATIC
TRANSMISSION (99903410)

ITEM	PART NO.	DESCRIPTION	QTY
1.	77041383	RELAY-P&B VF4-15F11	2
2.	77045878	RELAY BASE	2
3.	77045879	TERM-PKRD MP 14-16GA FEM	8
4.	77045880	TPA FOR RELAY BASE	2
5.	77045888	TERM-PKRD WP 14-16GA FEM	4
6.	77044927	CABLE SEAL-PKRD WP/MP 14GA	4
8.	77044623	CONN-PKRD WP 4CAV	1
9.	77041593	FUSEHOLDER-HMG 211	1
10.	77041637	FUSE-AMG 50 AMP	1
11.	77044728	FUSE-ATC 2AMP	1
12.	77041432	FUSE-ATC 20 BUSSMAN	2
13.	77041642	FUSE-ATC 25 BUSSMAN	1
14.	77441048	FUSE PANEL-ATC 4 POS	1
15.	77041271	FUSE HOLDER-30 AMP W/FUSE	1



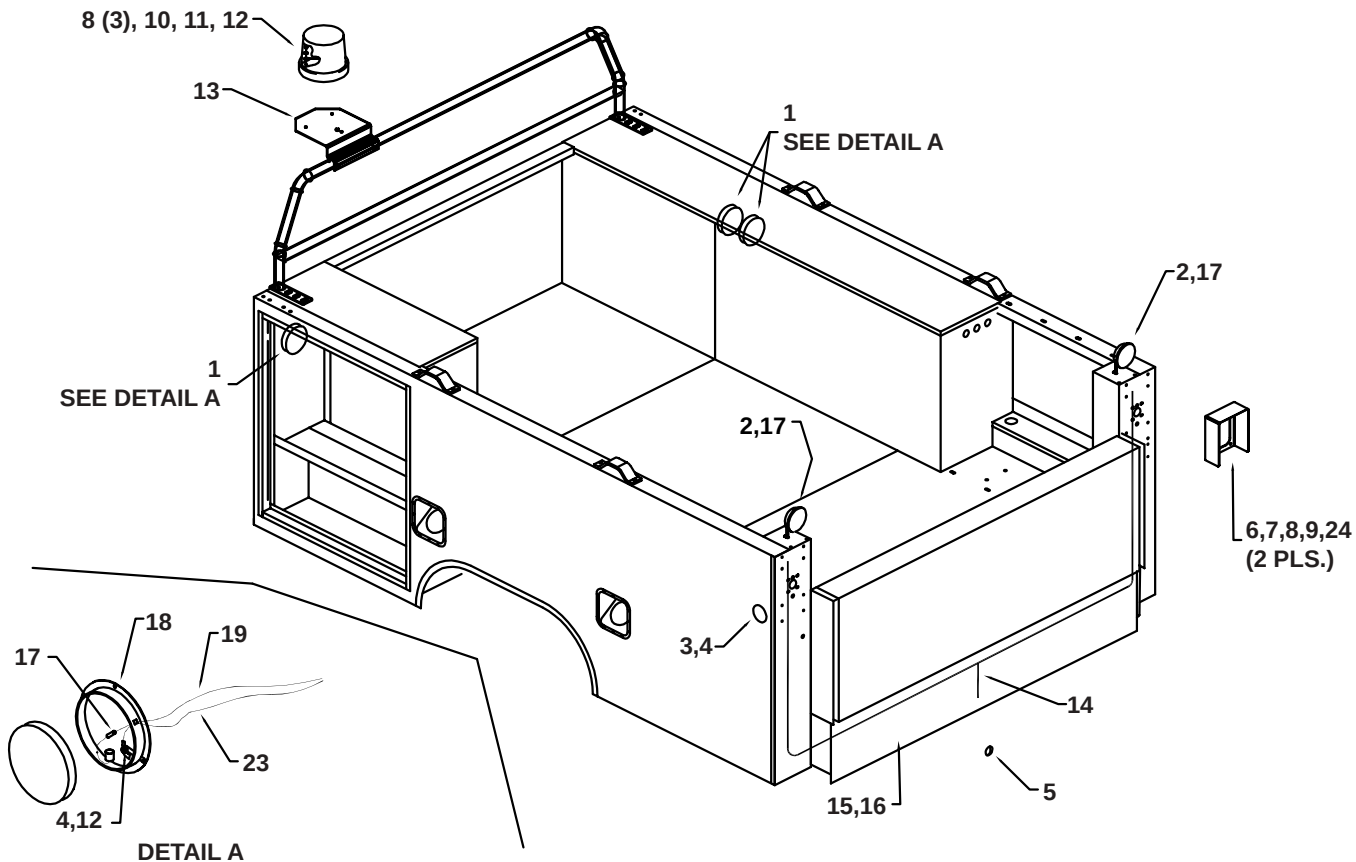
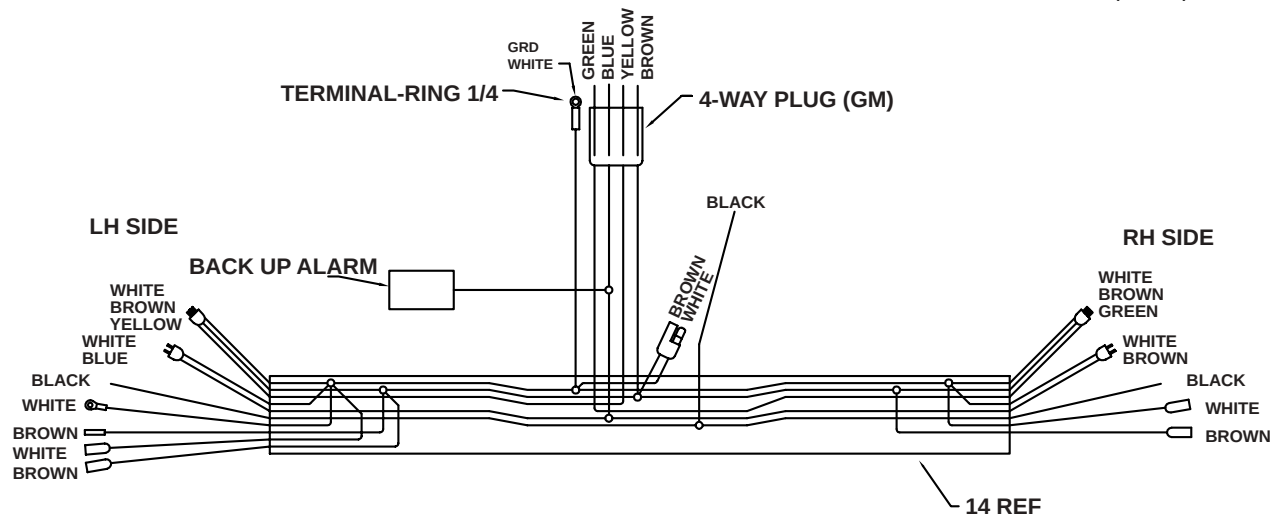
KIT PART # 41717532



**LAYOUT - AUTOMATIC TRANSMISSION
(99903414-2)**

1.	77040017	COMPARTMENT LIGHT	3
2.	77040026	FLOODLIGHT, 12V RND	2
3.	77040182	LIGHT-CLEAR RED	2
4.	77040245	MTG KIT-GROMMET	2
5.	77040006	LIC PLATE LIGHT	1
6.	77040208	TAIL LIGHT	2
7.	60115670	GUARD, TAILLIGHT	2
8.	72060002	CAP SCR 1/4-20 X 3/4 HH GR5Z	8
9.	72062104	NUT 1/4-20 HEX	11
10.	77040013	BEACON LIGHT, AMBER	1

11.	72060004	CAP SCR 1/4-20 X 1.00 HH GR5Z	3
12.	77040000	RING TERM I 10 STUD 16-14 GA	4
13.	60121504	BRACKET-BEACON LIGHT	1
14.	77044463	HARNESS-WIRING REAR	1
15.	72601473	BOLT-LIC PLATE 1/4-20 X 5/8	2
16.	72062200	NUT-LIC PLATE 3/8	2
17.	77040048	TERM-BUTT CONN I 16-14GA	16
18.	70086154	TAPE-DBL KOTE 1/8 X 6.00 DIA	3
19.	89044232	WIRE-14 GA RED STRD - GPT	18'
20.	89044234	WIRE-14 GA YELLOW STRD - GPT	10.5'
21.	89044274	WIRE-14 GA BLACK STRD - GPT	7.5'
22.	89044235	WIRE-14GA WHITE STRD-GPT	5.0'
23.	89044351	LOOM-.35 ID WOVEN (BULK)	20 FT



SWITCH PANEL - MANUAL
TRANSMISSION (99903415-1)

1.

77044624

CONN-PKRD WP 4CAV MALE

1
2.

77045887

TERM-PKRD WP 14-16GA MALE

4
3.

77044927

CABLE SEAL-PKRD WP/MP 14GA

4
6.

77040186

TERM-FSLPON 1/4TAB 16-14GA

3
7.

77041386

SWITCH-SGL POLE LTD

3
8.

77070436

TERM-FLAG 10-12GA CONN

8
9.

70733496

HOURLY METER

1
10.

60124323

SWITCH BRACKET (NOT SHWN)

1

11.

70396177

DECAL-CTRL PANEL (NOT SHWN)

1
12.

72061739

SCR-TEK 12-14X1.00 HWH 3PT

3
- (NOT SHOWN)
13.

77045879

TERM-PKRD MP 14-16GA FEM

1
14.

77040389

TERM-FSLPON 1/4FLAG 16-14GA

5
15.

77040000

TERM-RING 16-14GA

1
16.

77040051

TERM-SPRSPADE 16-14

1
17.

77040048

TERM-BUTT CONN 16-14GA (N/S)

1
18.

76391173

GROMMET-RUBBER

1
19.

89044056

LOOM-5/16 ID SPLIT (BULK) (N/S)

4'
20.

89044232

WIRE-14GA RED STRD GPT

5'
21.

89044234

WIRE-14GA YELLOW STRD GPT

5'
22.

89044274

WIRE-14GA BLK STRD GPT

5'
23.

89044233

WIRE-14GA BRN STRD GPT

5'
24.

89044231

WIRE-14GA GRN STRD GPT

5'
25.

89044366

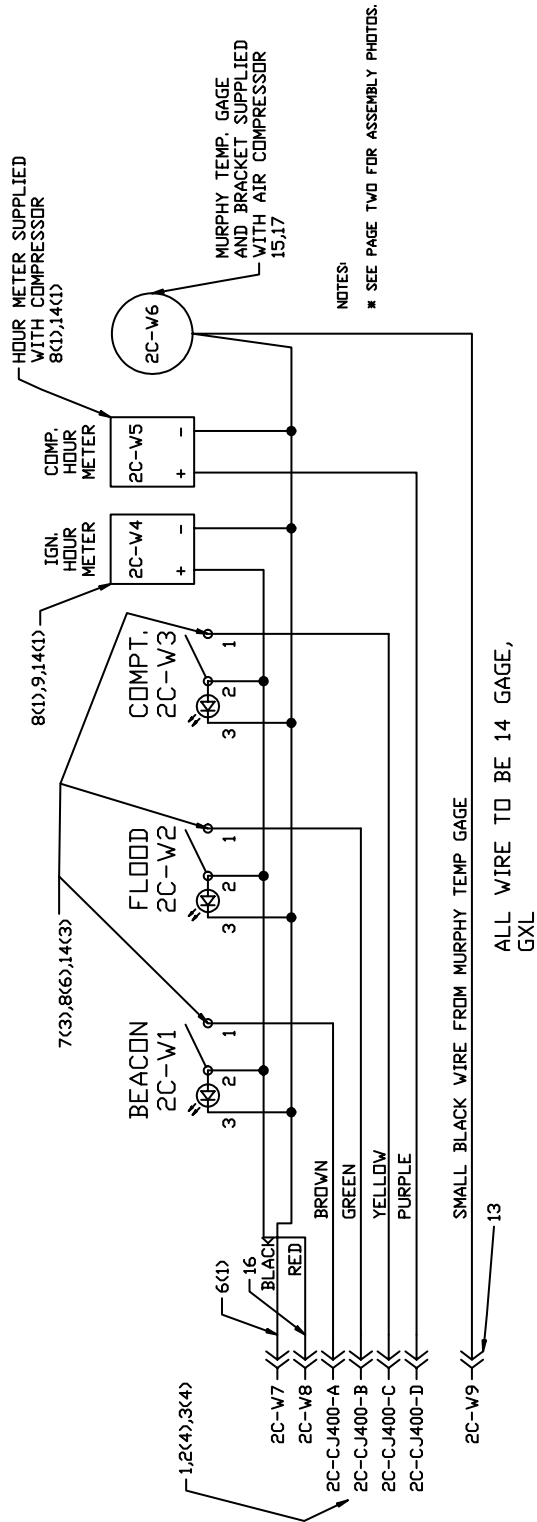
WIRE-14GA ORNG STRD GPT

5'
26.

60121243

SWITCH BRACKET-UNIV (N/S)

1

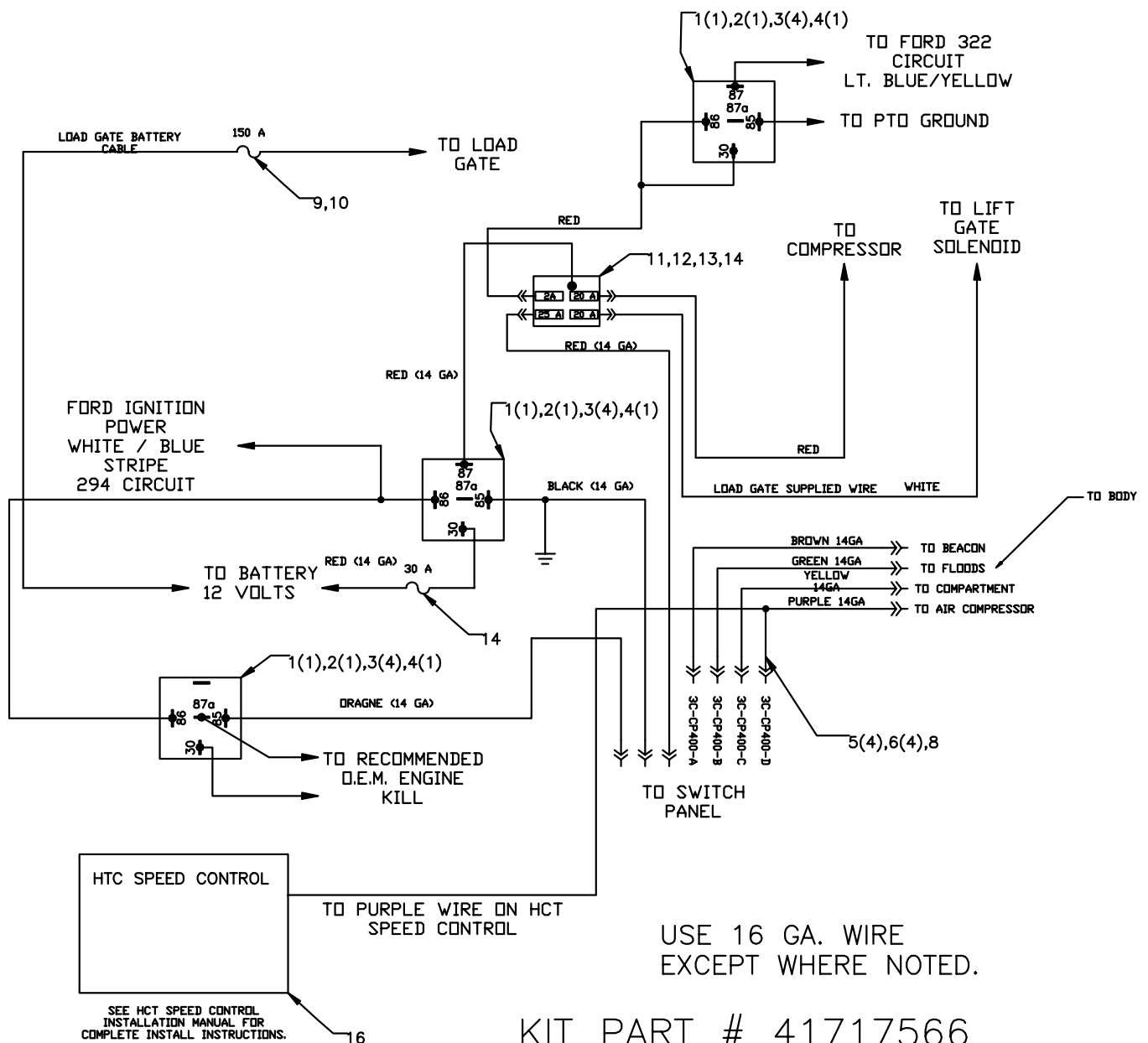


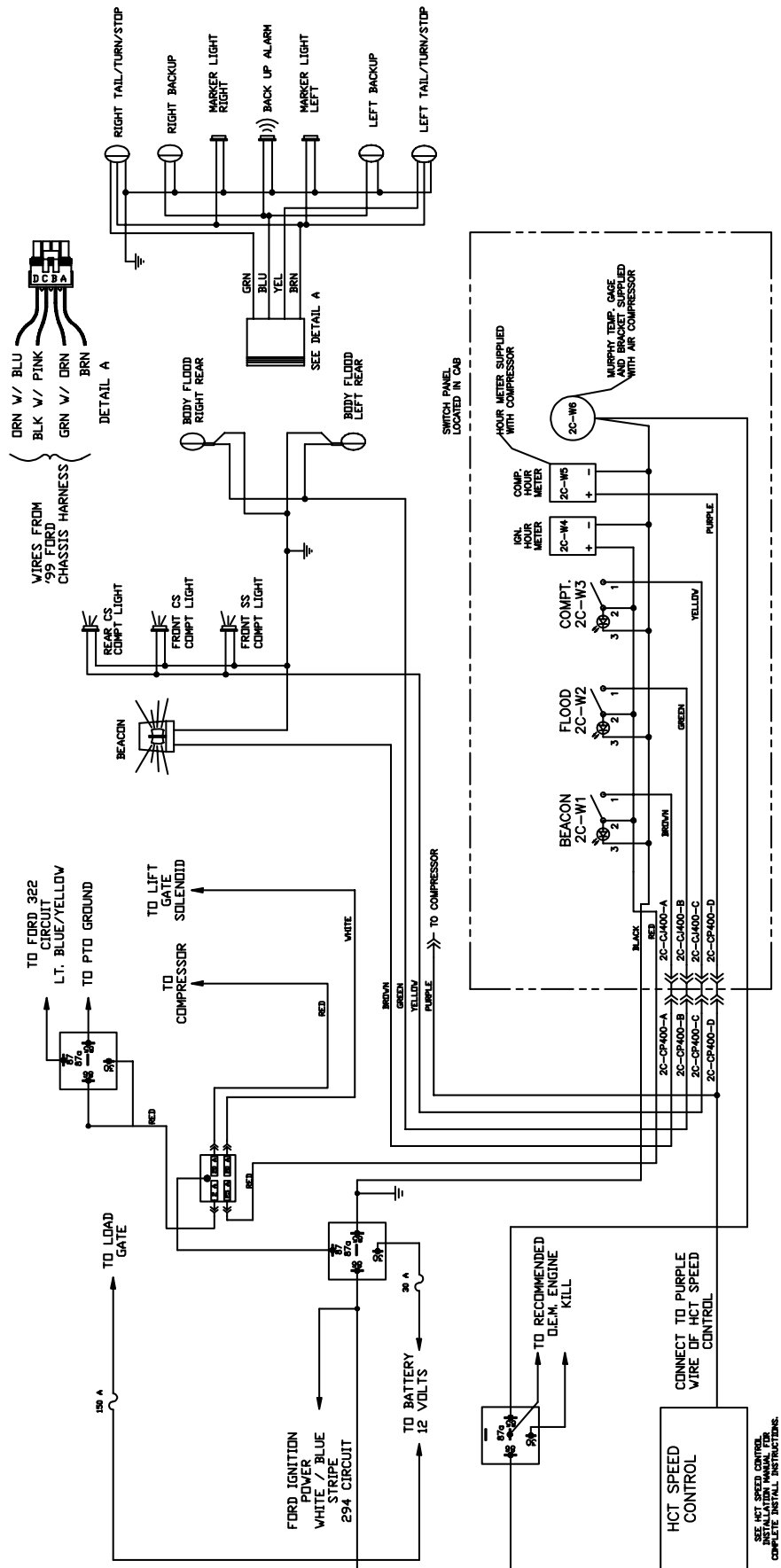
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TERMS: 77045887				TERMS: 77045887				TERMS: 77045887				TERMS: 77045887				TERMS: 77045887				TERMS: 77045887				TERMS: 77045887				TERMS: 77045887			
CAVITY	COLOR	GA.	PRINT LABEL	TO	CON-SPLC	CAVITY		CAVITY	COLOR	GA.	PRINT LABEL	TO	CON-SPLC	CAVITY		CAVITY	COLOR	GA.	PRINT LABEL	TO	CON-SPLC	CAVITY		CAVITY	COLOR	GA.	PRINT LABEL	TO	CON-SPLC	CAVITY	
A	BRN	14	BEACON	TO	2C-W1	1		1	YEL	14	COMPT.	TO	2C-CJ600	E		+	RED	14	POWER	TO	SPICE B	-		+	PRP	14	HOUR METER	TO	2C-CJ600	F	
B	GRN	14	FLOOD	TO	2C-W2	1		2	RED	14	POWER	TO	SPICE B	-		-	BLK	14	GND	TO	SPICE A	-		-	BLK	14	GND	TO	SPICE A	-	
C	YEL	14	COMPT.	TO	2C-W3	1		3	BLK	14	GND	TO	SPICE A	-		-	RED	14	POWER	TO	SPICE B	-		-	BLK	14	GND	TO	SPICE A	-	
D	PRP	14	CHP HOUR METER	TO	2C-W4	+																									
LOCATOR CODE: 2C-W9				LOCATOR CODE: 2C-W1				LOCATOR CODE: 2C-W2				LOCATOR CODE: 2C-W3				LOCATOR CODE: 2C-W4				LOCATOR CODE: 2C-W5				LOCATOR CODE: 2C-W6				LOCATOR CODE: 2C-W7			
TERMS: 77045887				TERMS: 77045887				TERMS: 77045887				TERMS: 77045887				TERMS: 77045887				TERMS: 77045887				TERMS: 77045887				TERMS: 77045887			
CAVITY	COLOR	GA.	PRINT LABEL	TO	CON-SPLC	CAVITY		CAVITY	COLOR	GA.	PRINT LABEL	TO	CON-SPLC	CAVITY		CAVITY	COLOR	GA.	PRINT LABEL	TO	CON-SPLC	CAVITY		CAVITY	COLOR	GA.	PRINT LABEL	TO	CON-SPLC	CAVITY	
-	DRN	14	ENG KILL	TO	2C-W6	B		1	BRN	14	BEACON	TO	2C-CJ600	C		+	RED	14	POWER	TO	SPICE B	-		+	PRP	14	HOUR METER	TO	2C-CJ600	F	
								2	RED	14	POWER	TO	SPICE B	-		-	BLK	14	GND	TO	SPICE A	-		-	BLK	14	GND	TO	SPICE A	-	
								3	BLK	14	GND	TO	SPICE A	-																	
LOCATOR CODE: 2C-W2				LOCATOR CODE: 2C-W1				LOCATOR CODE: 2C-W2				LOCATOR CODE: 2C-W3				LOCATOR CODE: 2C-W4				LOCATOR CODE: 2C-W5				LOCATOR CODE: 2C-W6				LOCATOR CODE: 2C-W7			
TERMS: 77045887				TERMS: 77045887				TERMS: 77045887				TERMS: 77045887				TERMS: 77045887				TERMS: 77045887				TERMS: 77045887				TERMS: 77045887			
CAVITY	COLOR	GA.	PRINT LABEL	TO	CON-SPLC	CAVITY		CAVITY	COLOR	GA.	PRINT LABEL	TO	CON-SPLC	CAVITY		CAVITY	COLOR	GA.	PRINT LABEL	TO	CON-SPLC	CAVITY		CAVITY	COLOR	GA.	PRINT LABEL	TO	CON-SPLC	CAVITY	
1	GRN	14	FLOOD	TO	2C-CJ600	D		1	BRN	14	BEACON	TO	2C-CJ600	C		+	RED	14	POWER	TO	SPICE B	-		+	PRP	14	HOUR METER	TO	2C-CJ600	F	
2	RED	14	POWER	TO	SPICE B	-		2	RED	14	POWER	TO	SPICE B	-		-	BLK	14	GND	TO	SPICE A	-		-	BLK	14	GND	TO	SPICE A	-	
3	BLK	14	GND	TO	SPICE A	-		3	BLK	14	GND	TO	SPICE A	-																	

KIT PART # 41717565

FRONT END KIT - MANUAL TRANSMISSION (99903416)

1.	77041383	RELAY P&B VF4-15F11	3
2.	77045878	RELAY BASE	3
3.	77045879	TERM-PKRD MP 630 14-16GA	12
4.	77045880	TPA FOR RELAY BASE	3
5.	77045888	TERM-PKRD WP 14-16GA	4
6.	77044927	CABLE SEAL-PKRD WP/MP 14GA	4
8.	77044623	CONN-PKRD WP 4CAV FEM	1
9.	77041593	FUSEHOLDER-HMG 211	1
10.	77041637	FUSE-AMG 150 AMP	1
11.	77044728	FUSE-ATC 2 AMP	1
12.	77041432	FUSE-ATC 20 BUSSMAN	2
13.	77041642	FUSE-ATC 25 BUSSMAN	1
14.	77441048	FUSE HOLDER-BUSSMAN 1560	1
15.	77041271	FUSE HOLDER-30 AMP W/FUSE	1
16.	70733297	IDLE CONTROL 99 FORD	1
17.	99901304	SERV. BULLETIN 7.3L 02 FORD	1





LAYOUT - MANUAL TRANSMISSION (99903417-2)

1.	77040017	COMPT. LIGHT	3
2.	77040026	FLOODLIGHT 12V RND	2
3.	77040182	LIGHT-CLEAR RED	2
4.	77040245	MTG KIT-GROMMET TRU03	2
5.	77040006	LIGHT-LIC. PLATE	1
6.	77040208	LIGHT-TAIL	2
7.	60115670	GUARD-TAILLIGHT	2
8.	72060002	CAP SCR 1/4-20 X 3/4 HHGR5Z	8
9.	72062104	NUT 1/4-20 HEX NYLOC ZINC	11
10.	77040013	BEACON LIGHT-AMBER	1
11.	72060004	CAP SCR 1/4-20 X 1.00 HH GR5Z	3

12.	77040000	TERM-RING STUD 16-14 GA	4
13.	60121504	BRACKET-BEACON LIGHT	1
14.	77044463	HARNESS-WIRING REAR	1
15.	72601473	BOLT-LIC PLATE 1/4-20 X 5/8	2
16.	72062200	NUT-LIC PLATE 3/8	2
17.	77040048	TERM-BUTT CONN 16-14GA	16
18.	70086154	TABE-DUBL KOTE 1/8X6.00 DIA	3
19.	89044232	WIRE-14GA RED STRD GPT	18'
20.	89044234	WIRE-14GA YELLOW STRD GPT	10.5'
21.	89044274	WIRE-14GA BLK STRD GPT	7.5'
22.	89044235	WIRE-14GA WHITE STRD GPT	5.0'
23.	89044351	LOOM-.35 ID WOVEN (BULK)	20'

