



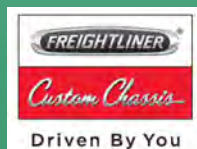
Québec Linge

Parts Catalog



Morgan Olson Body 2013 - 2014
Freightliner Chassis MT55

CV102380 85"x93"x22'



PUBLISHED 10.14
1.800.233.4823
WWW.MORGANOLSON.COM



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This parts guide contains illustrations and part numbers for Canadian Linen Package Cars and applies to bill of material # CV102830 produced in 2013-2014.

This book has been divided into chapters.

Each chapter has illustrations with part numbers and descriptions.

Each part is pointed out to help identify it. Orientation references are from the rear of the vehicle facing forward. LH (LEFT HAND) is roadside and RH (RIGHT HAND) is curbside.

Procedure to Order Parts

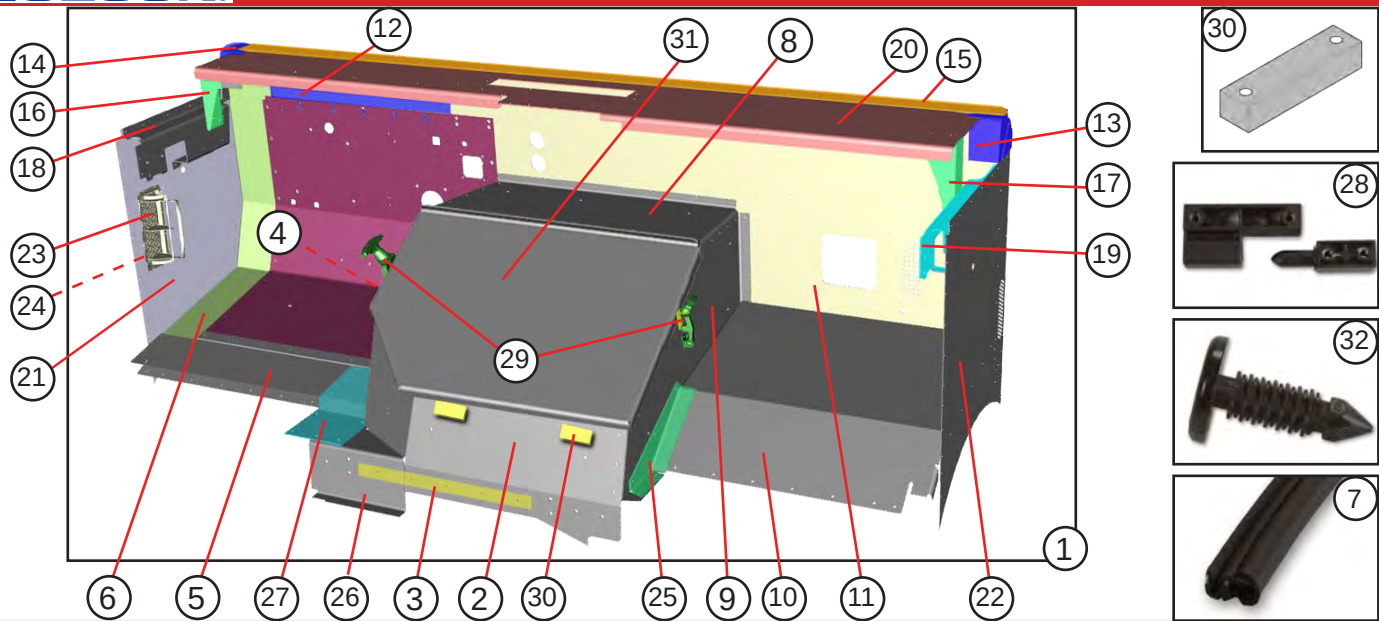
1. Depending on the part desired, turn to the appropriate section.
2. Locate the desired part on the Illustration Page(s) and note it's part number.
3. Contact a Morgan Olson Service Parts Representative. Have part numbers readily available.
4. When placing orders, please have VIN number, part numbers, serial number of roll up door.

FOR WARRANTY INFORMATION CALL 1-800-262-3437

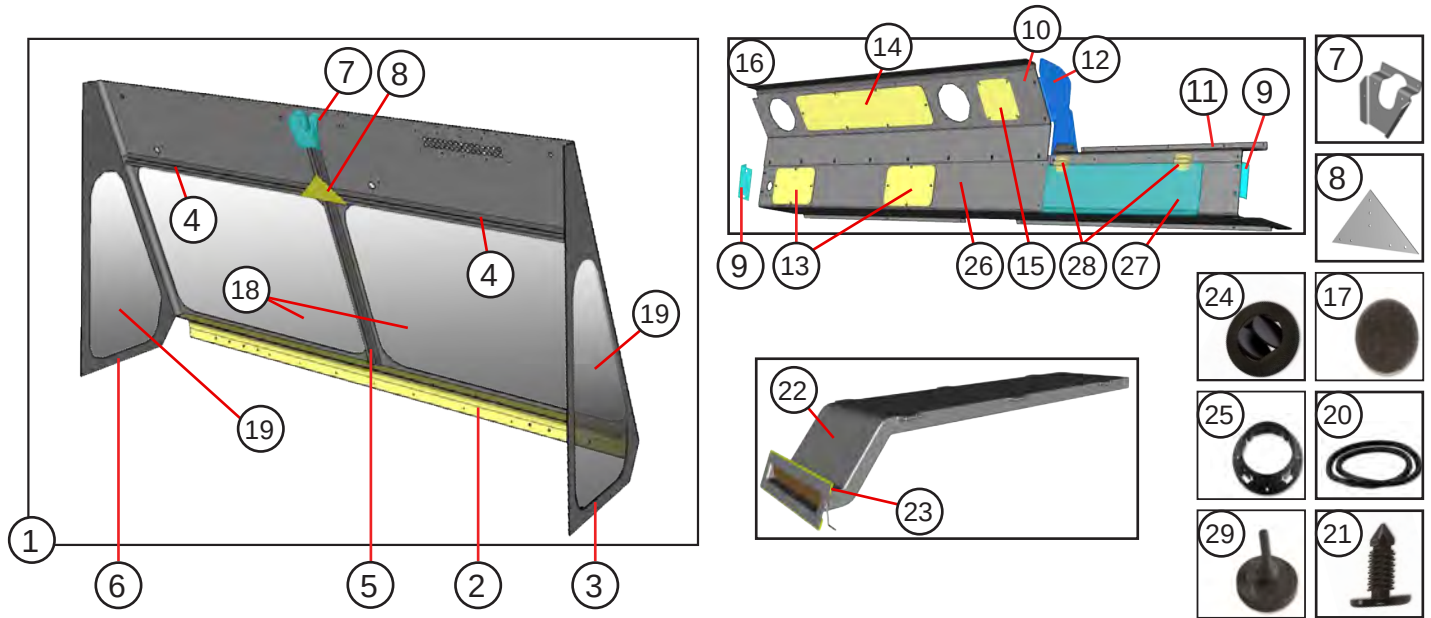
ANY QUESTIONS OR CONCERNS SHOULD BE DIRECTED TO YOUR SERVICE
PARTS REPRESENTATIVE AT
1-800-233-4823

At Morgan Olson, our quest for quality and safety is ongoing and therefore the specifications on the product described herein may vary over time.

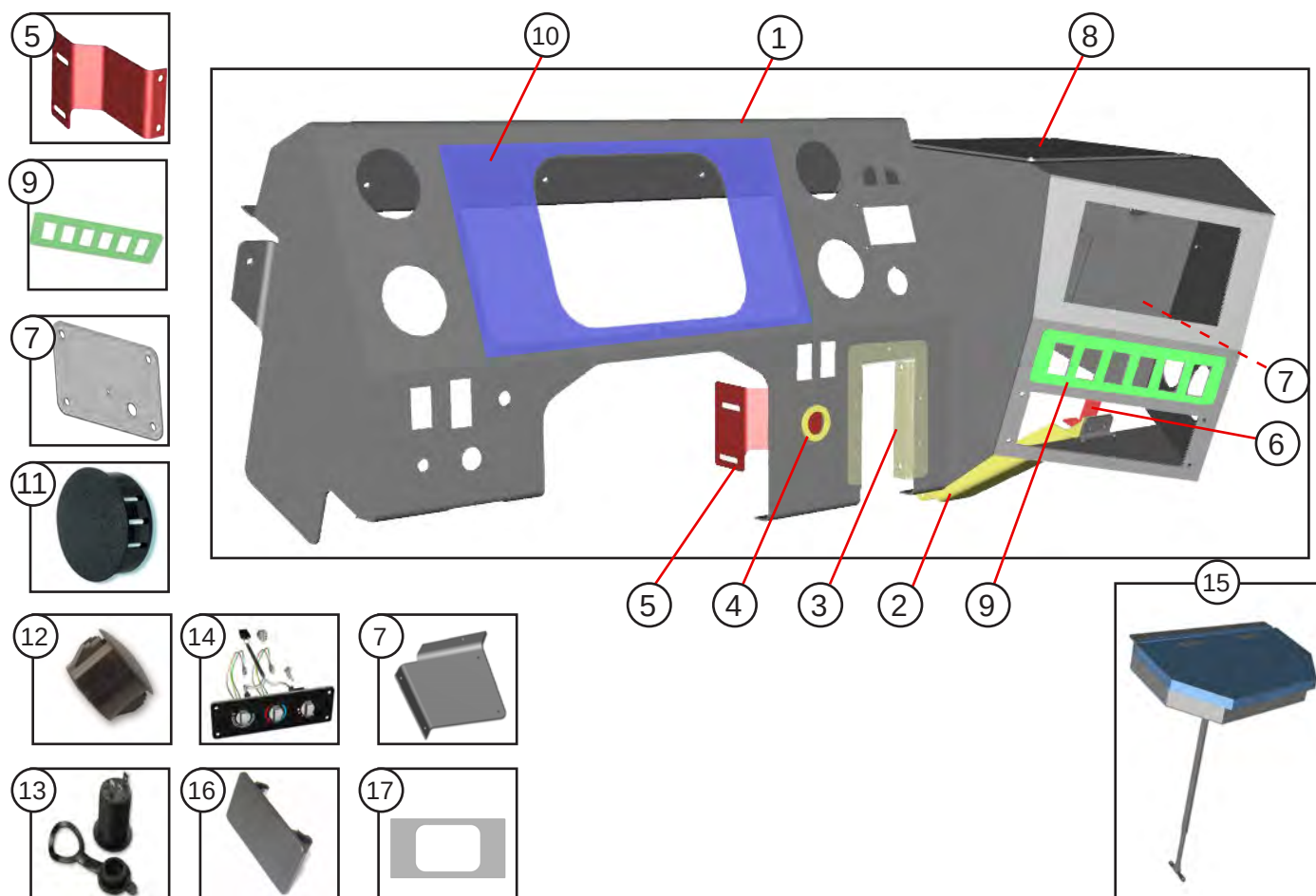
Please contact Morgan Olson for the latest product information and available safety feature options.



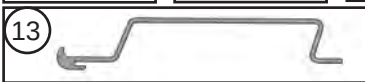
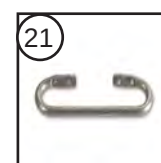
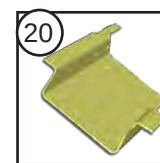
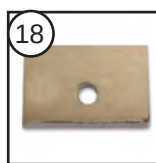
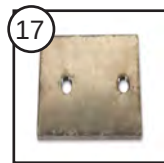
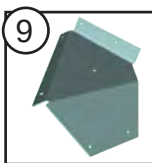
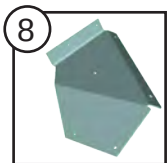
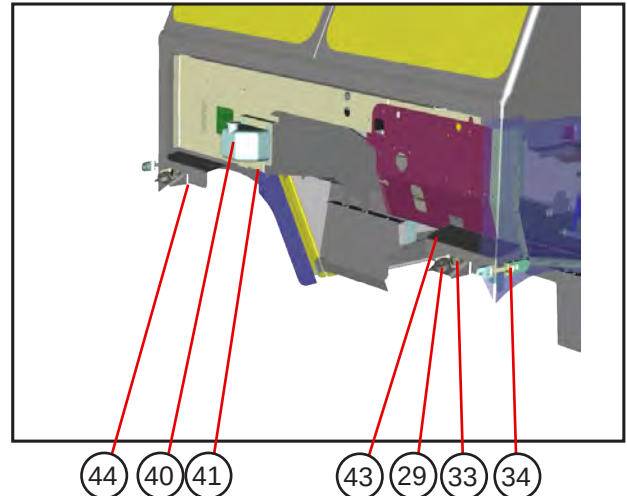
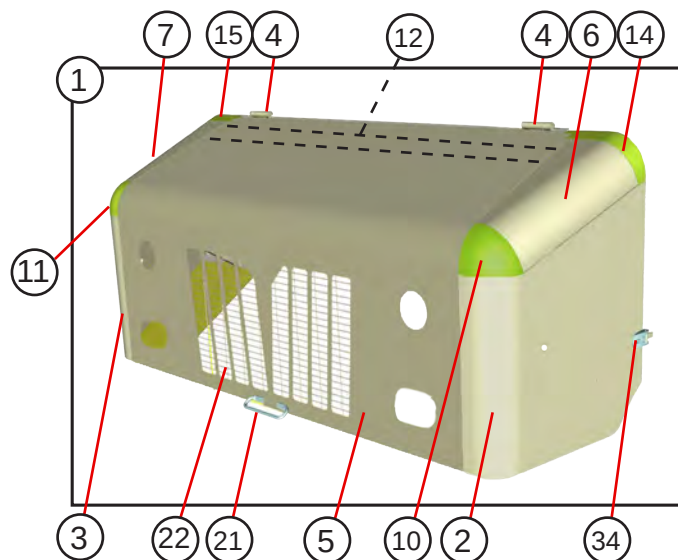
ITEM #	PART #	DESCRIPTION	QTY.	UNIT
1	118005204	CAB ASSEMBLY	1	EA
2	098005502	ENGINE BOX SADDLE	1	EA
3	077050402	SHIM	1	EA
4	098005503	ENGINE BOX SIDE ROADSIDE	1	EA
5	077050423	TOE BOARD ROADSIDE	1	EA
6	077050419	TOE BOARD DASH ROADSIDE	1	EA
7	1107270	SEAL TR SCHLEG1426-X999	8	FT
8	098005400	ENGINE BOX TOP	1	EA
9	098005501	ENGINE BOX HOUSING	1	EA
10	098005462	DASH PANEL	1	EA
11	098005472	DASH WALL CURBSIDE	1	EA
12	077050408	DASH WALL ROADSIDE	1	EA
13	8502001	CORNER CASTING CURBSIDE	1	EA
14	8502000	CORNER CASTING ROADSIDE	1	EA
15	083023402	WINDSHIELD RAIL	1	EA
16	083005418	SUPPORT RAIL ROADSIDE	1	EA
17	083005419	SUPPORT RAIL CURBSIDE	1	EA
18	077050400	STIFFENER ROADSIDE	1	EA
19	077050401	STIFFENER CURBSIDE	1	EA
20	093005512	DASH SHELF	1	EA
21	093005421	CAB SKIRT ROADSIDE	1	EA
22	093005440	CAB SKIRT CURBSIDE	1	EA
23	47008545	VENT 2 WAY HINGLESS	1	EA
24	47008548	VENT GASKET	1	EA
25	077050406	GUSSET TOE BOARD CURBSIDE	1	EA
26	077050411	FILLER SADDLE	1	EA
27	077050446	HEEL SCUFF PLATE	1	EA
28	47007859	HINGE OFFSET	2	EA
29	1113336	LATCH	2	EA
30	117028400	SHIM ENGINE BOX	2	EA
31	098028402	LID ENGINE BOX	1	EA
32	47006630	CLIP PLASTIC ROUND/HEAD 1.32-1.34	27	EA



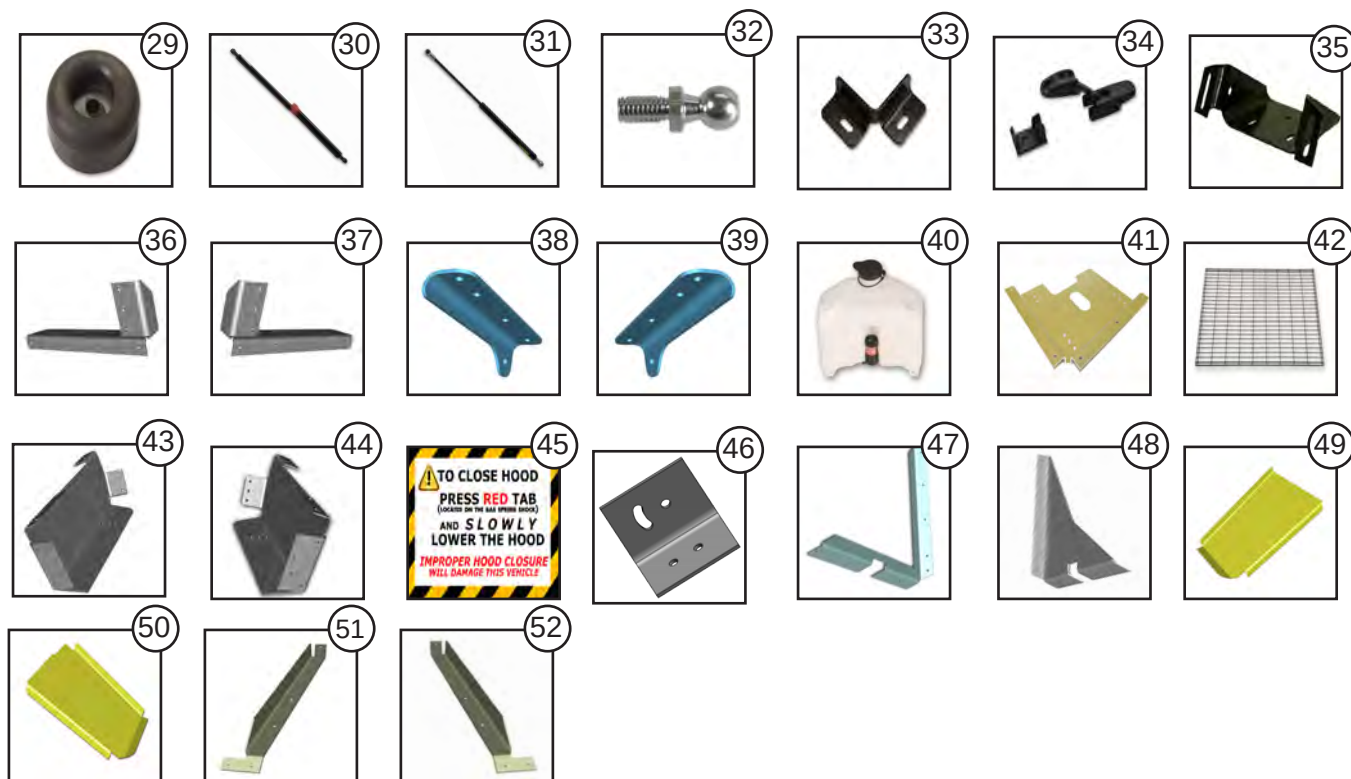
ITEM #	PART #	DESCRIPTION	QTY.	UNIT
1	088055207	WINDSHIELD ASSEMBLY 85H93W CRGV SWM2007	1	EA
2	083023402	WINDSHIELD RAIL (SEE PAGE 4 ITEM 10)	1	EA
3	088055433	FRAME WINDSHEILD CURBSIDE	1	EA
4	077055404	STIFFENER WINDSHEILD	2	EA
5	077055401	POST WINDSHEILD CENTER	1	EA
6	088055405	FRAME WINDSHEILD ROADSIDE	1	EA
7	077055402	GUSSET FRAME	1	EA
8	998555329	GUSSET FRAME	1	EA
9	088076449	BRACKET, MOUNTING ROADSIDE (088076450 CURBSIDE)	1	EA
10	097076488	COVER WIPER MOTOR UPPER	1	EA
11	097076491	COVER TOP AL.102X8.83X28.99	1	EA
12	097076461	COVER WIPER CURBSIDE	1	EA
13	097076436	PLATE COVER ACC AL.070X6X10	2	EA
14	097076435	PLATE COVER ACC AL.070X6X28.38	1	EA
15	097076437	PLATE COVER ACC AL.070X5.75X5.75	1	EA
16	120076000	COVER WIPER MOTOR INSTALLATION	1	EA
17	48000504	FILTER FM .25THKX4DIA	2	EA
18	96756400	GLASS WINDSHIELD	2	EA
19	006756400	GLASS SIDE TRIANGLE	2	EA
20	44004303	WEATHER STRIPPING LS-1660 X147.5	2	EA
20	44004309	WEATHER STRIPPING LS-1660 X86.25	2	EA
NS	1109001	INSULATION FIBERGLASS	7.25	FT
NS	083011470	ROOF LINER FRONT EMBOSSED .023X39X86.99	1	EA
NS	100011400	POLYESTER FILL ROOF LINER 4X22.5	3	EA
21	47006610	CLIPS PUSH IN .45HEADX.64	52	EA
22	47008802	DUCT VENT INTERIOR CAB/CARGO	1	EA
23	94010316	REINFORCEMENT VENT AL .125X1.12X16.12	2	EA
24	47008547	LUVER ROUND 3.12	2	EA
25	47008546	PANEL MOUNT LUVER 3.12	2	EA
26	097076490	SHELF LOWER AL.102X17.23X87.9	1	EA
27	088076447	COVER DOOR COMPARTMENT AL .102X6.31X23	1	EA
28	47007888	HINGE	2	EA
29	1107102	PLUG BUMPER DOOR	2	EA



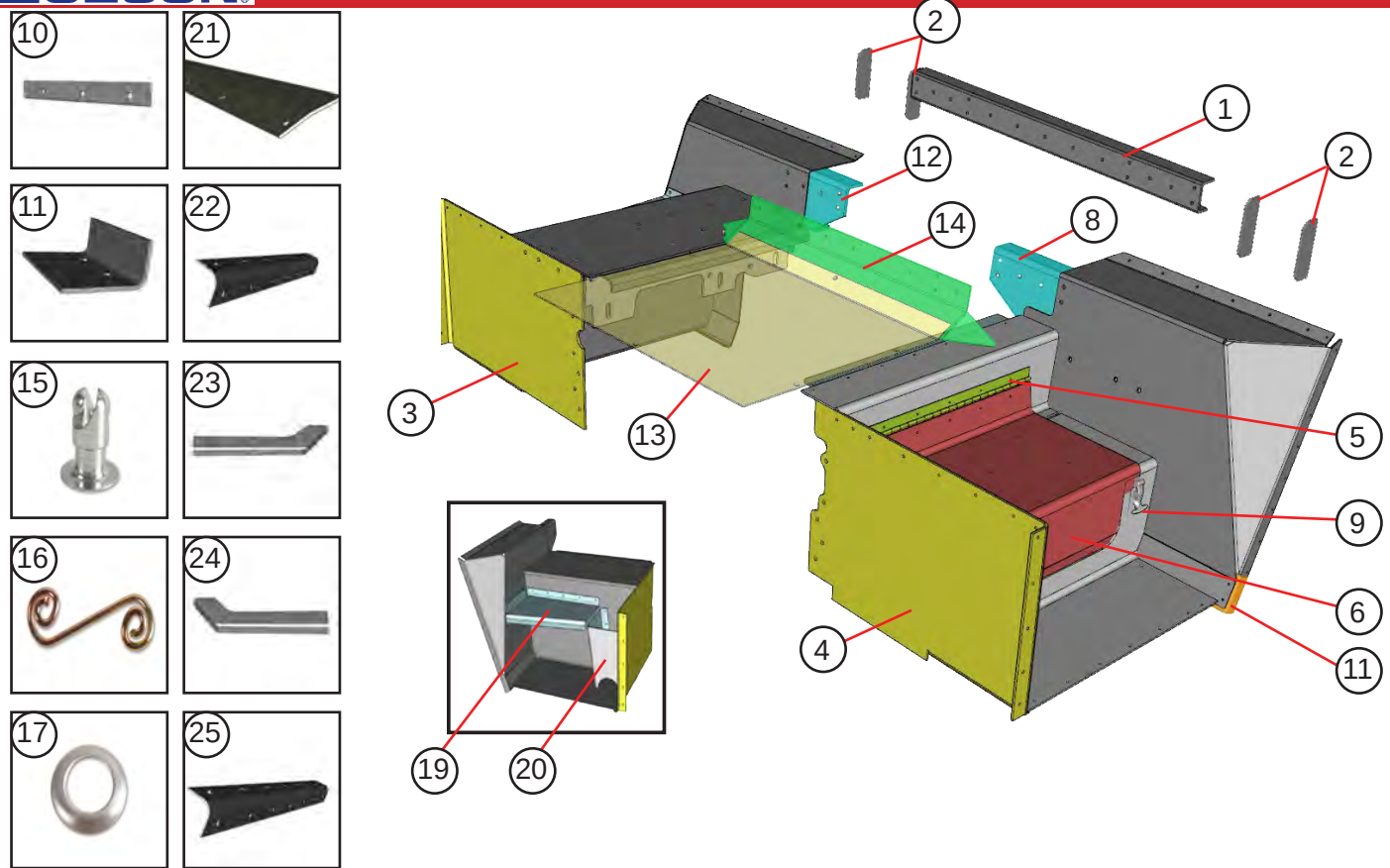
ITEM #	PART #	DESCRIPTION	QTY.	UNIT
1	124027203	INSTRUMENT PANEL WELDMENT	1	EA
2	118027421	BRACKET REINFORCEMENT	1	EA
3	002027423	BRACKET SHIFTER	1	EA
4	006327202	SPACER IGNITION SWITCH	1	EA
5	107027403	BRACE INSTRUMENT PANEL AL.102X3.75X8.43	1	EA
6	118027414	BRACE	1	EA
7	114027403	BRACE PANEL	1	EA
8	128027421	COVER PLATE RADIO	1	EA
9	118027417	PLATE ROCKER SWITCH	1	EA
10	128027403	PLATE COVER INSTRUMENT PANEL	1	EA
11	44000117	PLUG HL BLACK	1	EA
12	1111520	PLUG HL BLACK	1	EA
13	46026378	RECP 12V PWR W/TETHER SS BDY	1	EA
14	555001413	PANEL CONTROL HEATER (SEE PAGE 27)	1	EA
15	47009283	SHELF WORK STATION ASSEMBLY W/DIVIDER & LOCK	1	EA
16	46023506	PLUG ROCKER SWITCH BLACK	3	EA
17	098027402	PLATE ADAPTOR INSTRUMENT PANEL	1	EA



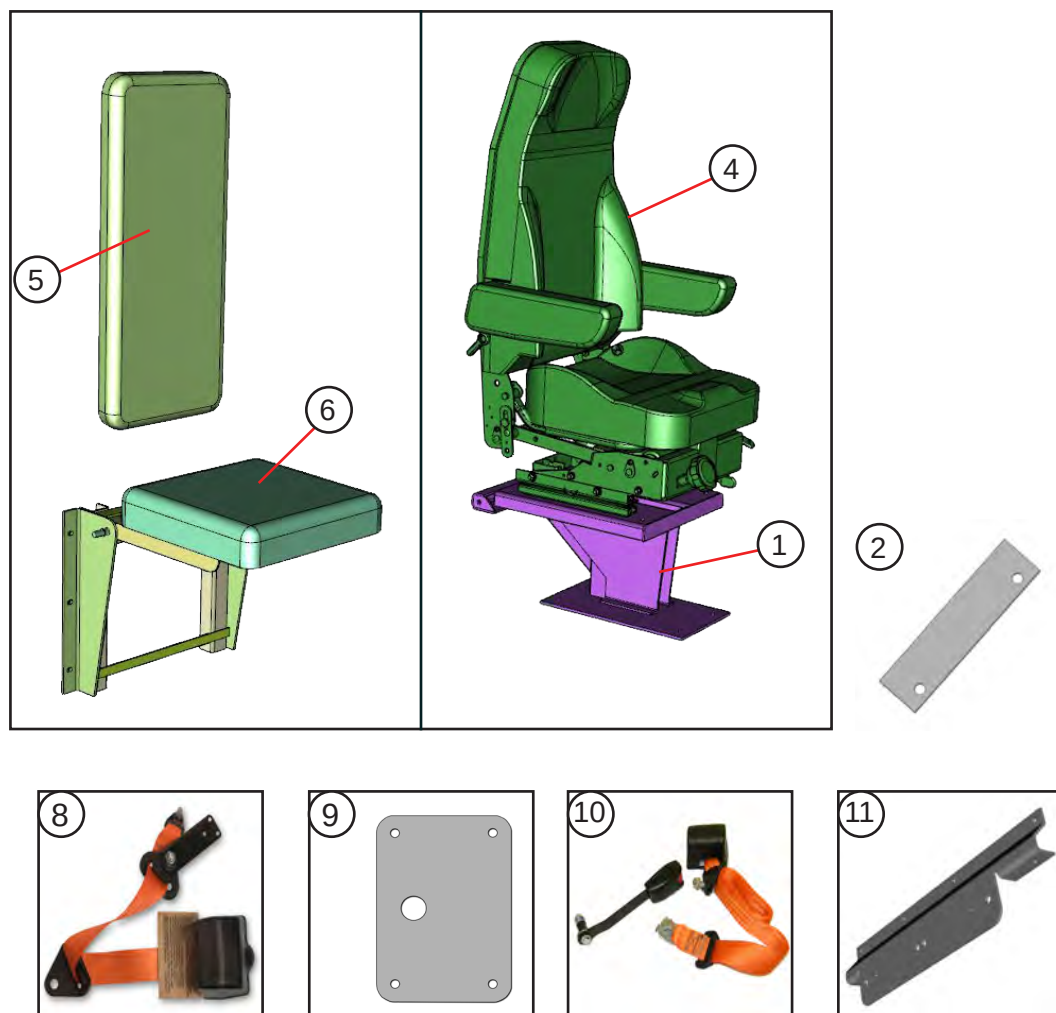
ITEM #	PART #	DESCRIPTION	QTY.	UNIT
1	108017202	HOOD ASSEMBLY	1	EA
2	088017414	HOOD SKIRT ROADSIDE	1	EA
3	088017415	HOOD SKIRT CURBSIDE	1	EA
4	47007852	HINGE ASSEMBLY	2	EA
5	108017401	PANEL HOOD	1	EA
6	088017416	COWL HOOD ROADSIDE	1	EA
7	088017417	COWL HOOD CURBSIDE	1	EA
8	95817312	GUSSET CORNER ROADSIDE	1	EA
9	95817313	GUSSET CORNER CURBSIDE	1	EA
10	45100057	CORNER CAST KNEE COWL FRONT ROADSIDE	1	EA
11	45100058	CORNER CAST KNEE COWL FRONT CURBSIDE	1	EA
12	088017420	STIFFENER HOOD	1	EA
13	45001500	BRACKET HOOD	1	EA
14	45100060	CAP COWL END ROADSIDE	1	EA
15	45100061	CAP COWL END CURBSIDE	1	EA
NS	088017255	SUPPORT ASSEMBLY GRILL	1	EA
17	91617304	PLATE TAP	2	EA
18	96717312	SHIM	2	EA
19	115017403	STIFFENER HOOD ROADSIDE	1	EA
20	115017404	STIFFENER HOOD CURBSIDE	1	EA
21	90187300	GRAB HANDLE	1	EA
NS	088017423	ANGLE SUPPORT GRILLE 450186X69.62	1	EA
NS	088017421	SUPPORT GRILLE ANGLE 450180X22.8	2	EA
NS	088017441	ANGLE HORZ 450186X69.62	1	EA
22	45700101	GRILLE MESH	1	EA



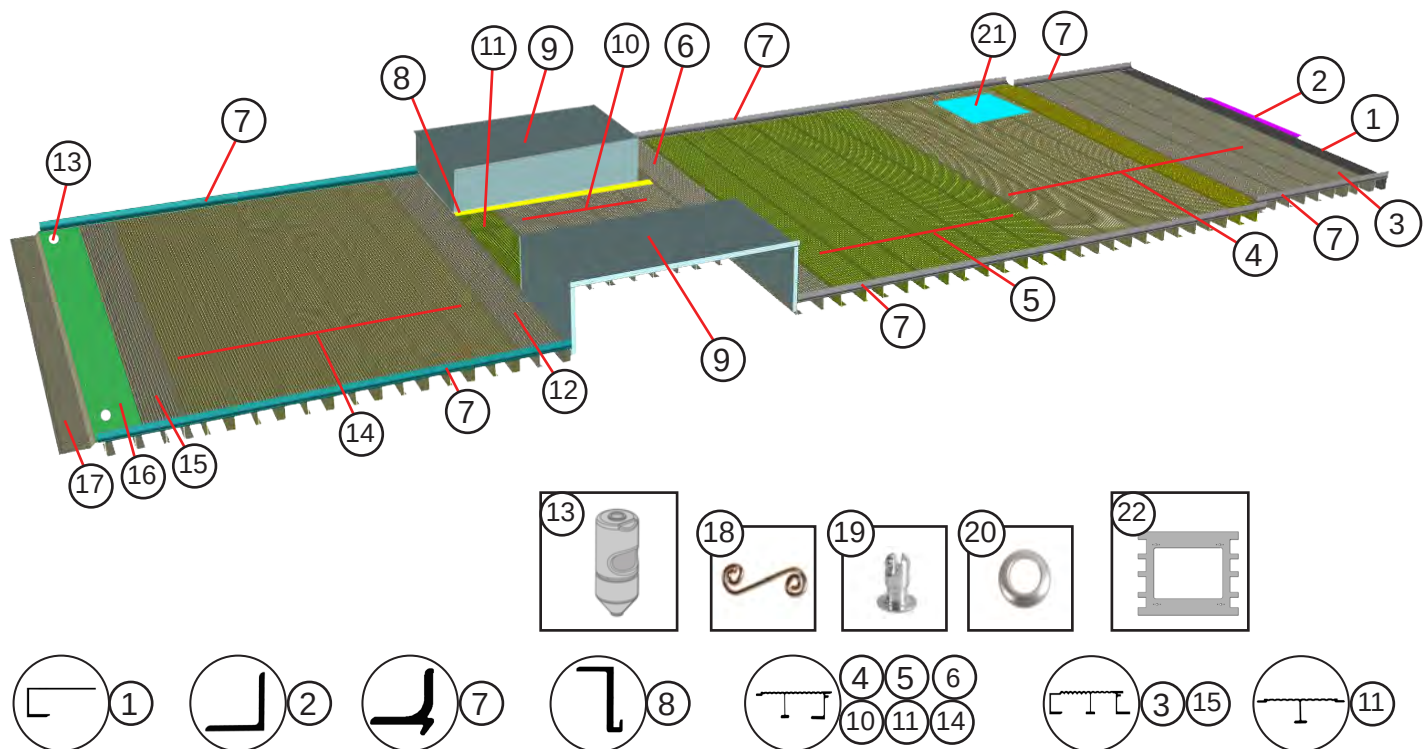
ITEM #	PART #	DESCRIPTION	QTY.	UNIT
29	44002004	BUMPER RUBBER HOOD REST	2	EA
30	47006116	GAS SPRING WITH LOCK 140LB 20/12 IGS	1	EA
31	47006117	GAS SPRING WITH OUT LOCK 140LB 20/12 IGS	1	EA
32	40900019	STUD BALL SUSPENSION	4	EA
33	96713300	STOP ANGLE HOOD REST	2	EA
34	47000613	HOOD LATCH	2	EA
35	077150400	BRACKET HOOD REST	2	EA
36	124016401	BRACKET GAS SPRING AL.125X3.6X16.48 ROADSIDE	1	EA
37	124016402	BRACKET GAS SPRING AL.125X3.6X16.48 CURBSIDE	1	EA
38	124016403	BRACKET HOOD LOWER AL.188X2.85X6.4 CURBSIDE	1	EA
39	124016404	BRACKET HOOD LOWER AL.188X2.85X6.4 ROADSIDE	1	EA
40	47004137	WASHER BOTTLE WITH PUMP	1	EA
41	003705413	WASHER BOTTLE MOUNTING PLATE	1	EA
42	45700101	MESH GRILL	1	EA
43	077260400	SPLASH PAN ROADSIDE	1	EA
44	077260404	SPLASH PAN CURBSIDE	1	EA
45	43000903	HOOD PROPER INSTRUCTIONS LABEL	1	EA
46	112017426	BRACKET HOOD SW	1	EA
47	088017433	SUPPORT SPLASH PAN AL .102X16.07X16.83	1	EA
48	088017436	SUPPORT SPLASH PAN AL .102X16.07X16.83	1	EA
49	088017427	SPLASH PAN AL .102X19.43X26.95 ROADSIDE	1	EA
50	088017430	SPLASH PAN AL .102X19.93X26.95 CURBSIDE	1	EA
51	088017437	STRAP AL .125X2.98X25.76 ROADSIDE	1	EA
52	088017438	STRAP AL .125X2.98X25.76 CURBSIDE	1	EA
NS	44004077	SEAL TAPE #1458BTXFT	4.42	FT



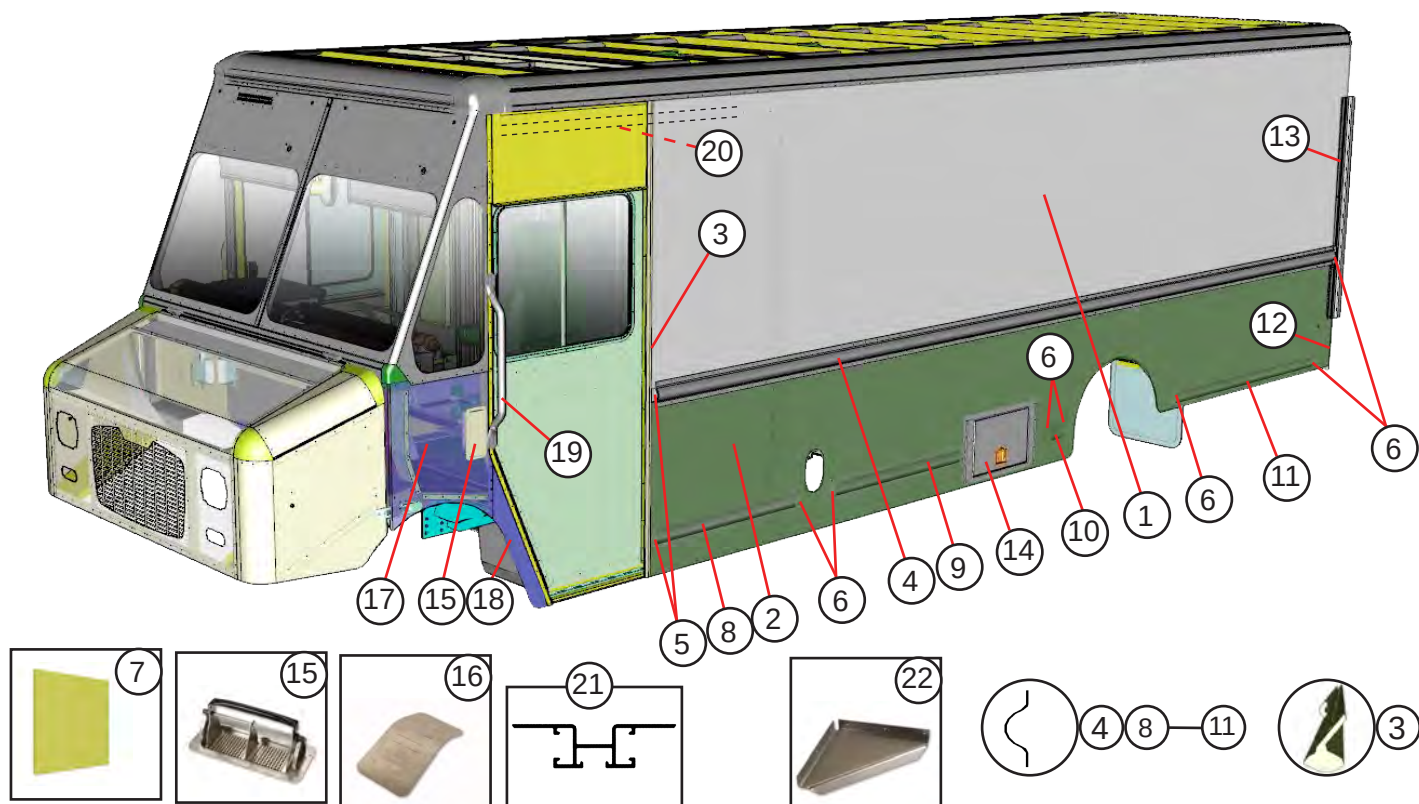
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1	077240400	CROSSMEMBER CENTER AL 456106X41	1	EA
2	044240438	GUSSET	4	EA
3	138024208	STEP ASSEMBLY ROADSIDE MT55 SM	1	EA
4	118024203	STEP ASSEMBLY CURBSIDE MT55	1	EA
5	006324498	HINGE AL .075X1.12X1.75X21	1	EA
6	118024404	LID BATTERY AL.125X22.25X24.82	1	EA
NS	96724608	PAD DAMPENING 45200007X9X20	1	EA
8	083024465	CHANNEL CROSSMEMBER AL 456109X27 CURBSIDE	1	EA
9	1113334	LATCH STEPS	2	EA
10	088024417	SHIM OUTRIGGER AL .125XX1.75X18.6	2	EA
11	084024415	RISER CORNER AL .125X3.61X3.5	2	EA
12	083024464	CHANNEL CROSSMEMBER AL 456109X27 ROADSIDE	1	EA
13	108024201	FLOOR TRANSVERSE WLDMT FCC	1	EA
14	077024402	ANGLE TRANSVERSE TO FLOOR AL.102X6.35X38.7	1	EA
15	40900080	STUD	6	EA
16	40900082	SPRING	6	EA
17	40900081	GROMMET HALF	6	EA
NS	42002055	INSULATION SOUND ABSORBING FLOOR MAT 60X95	2	EA
19	125024411	STEP MID AL.125X13.71X26.3LH	1	EA
20	077240433	BRACKET TRASH BIN	1	EA
21	083019418	TRIM MAT O/LN ALD .08X2.29X53	1	EA
22	090019402	TRIM STEP ALD.08X2.68X27.25 LH	1	EA
23	090019401	TRIM TOEBOARD ALD.08X7.89X22.64RH	1	EA
24	090019400	TRIM TOEBOARD ALD.08X7.89X22.64LH	1	EA
25	090019403	TRIM STEP ALD.08X2.68X27.25 RH	1	EA



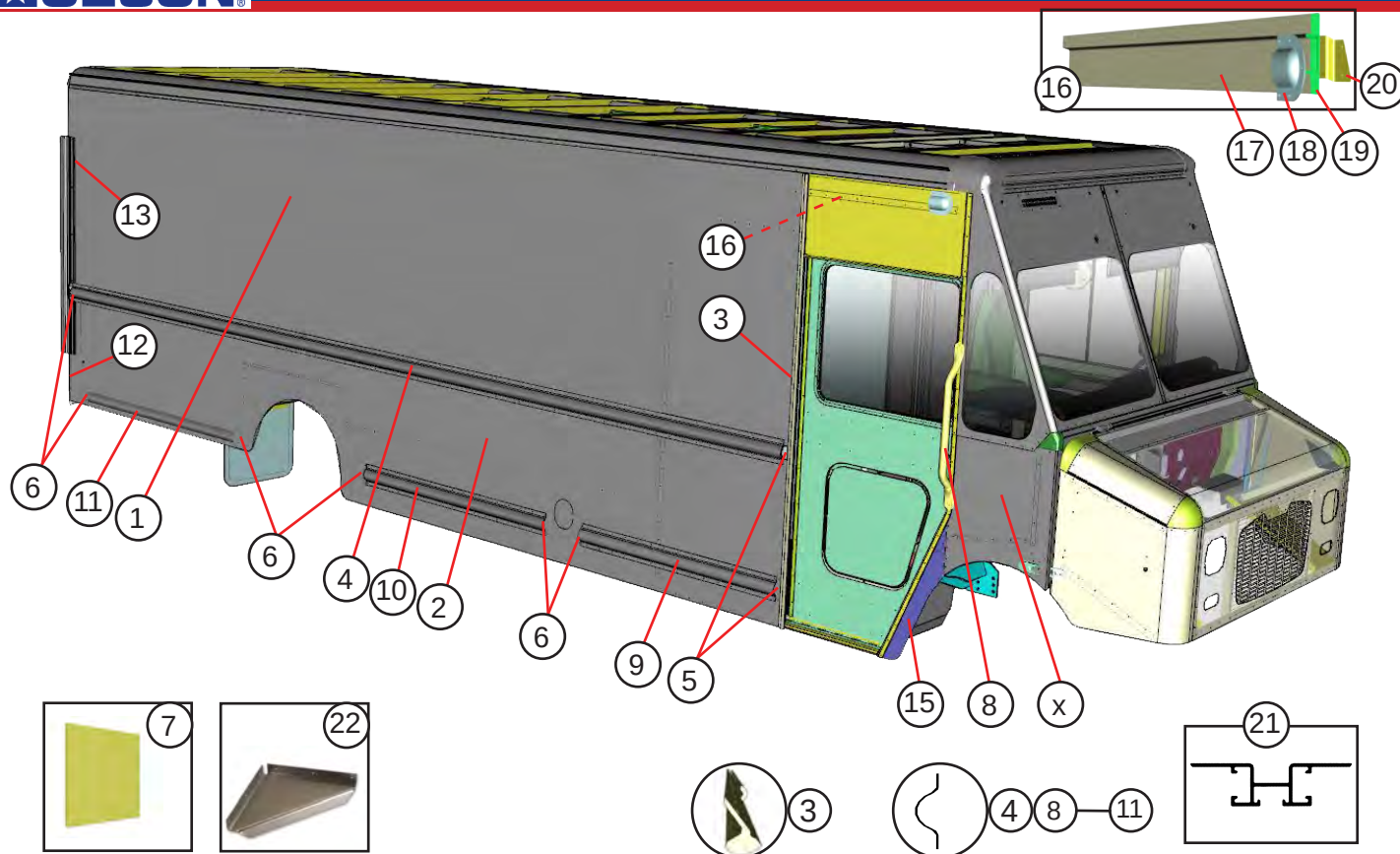
ITEM	PART #	DESCRIPTION	QTY.	UNIT
1	123067001	SEAT SOCKET INSTALLATION 3POINT NON-TILT	1	EA
2	128024410	BASE REINFORCEMENT STL12GAX2X8	1	EA
NS	40100560	NUT STEEL LOCK LRG FLG GD5 .31-18	4	EA
4	47004301	SEAT H/BK MAG200 W/ARMS	1	EA
5	47002605	SEAT HDBK/RST TFTX BLK .5X27	1	EA
6	47002622	SEAT TFTX BLK JUMP FOLDING 16IN CTR	1	EA
7	91614300	ANGLE AL FLOOR .188X2.84X19.1	1	EA
8	47004366	S/BELT W/BOOT BLKH 3PNT OG R	1	EA
9	140069400	S/BELT REINF PLATE AL.102X2.75X4	1	EA
10	48007902	S/BELT 3PNT W/7IN DLOOP IMM-OG	1	EA
11	005754400	BRACKET ANCHOR STEEL 7GAX7.24X25.75	1	EA



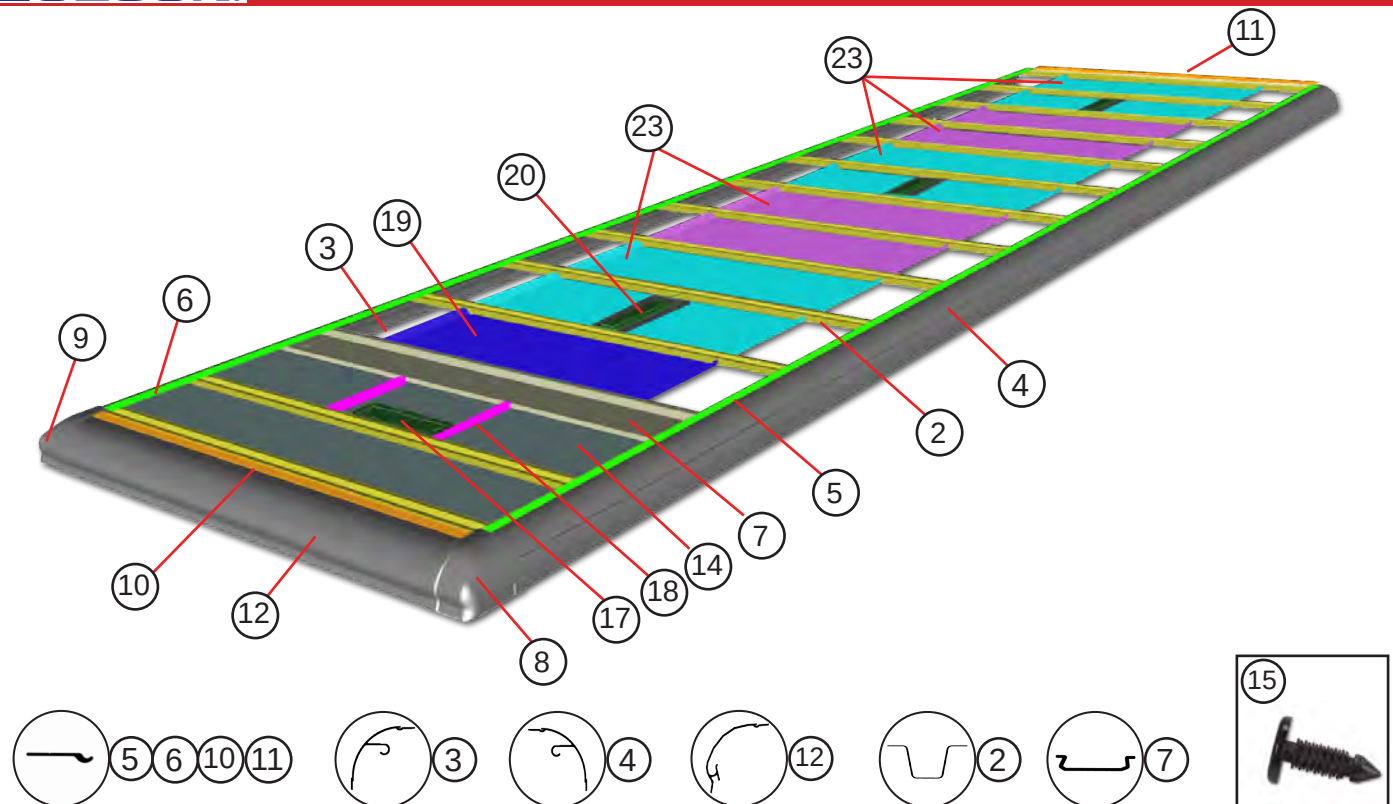
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1	083034401	BEAM @ O LINE	1	EA
2	001730412	ANGLE STEP	1	EA
3	45061101	BEAM AL FLOOR H/D RIB 7X92.19	1	EA
4	45061202	BEAM AL FLOOR H/D RIB 8X92.19	9	EA
5	45061301	BEAM AL FLOOR H/D RIB 9X92.19	6	EA
6	45061401	BEAM AL FLOOR H/D RIB 8.5X92.19	1	EA
7	45030300	ANGLE ATTATCH FLOOR TO SIDE X241	1.213	EA
8	95869302	ANGLE W/BX ATTATCH AL 450018X44	2	EA
9	95869202	W/BX A 93W 10" DW AL .102 KBK	2	EA
10	45061300	BEAM AL FLOOR H/D RIB 9X91.19	4	EA
11	45058500	BEAM AL FLOOR RIB 8X55.62	1	EA
12	45061401	BEAM AL FLOOR H/D RIB 8.5X92.19	1	EA
13	47009530	DRAIN CHAMBER HDPE	2	EA
14	45061202	BEAM AL FLOOR H/D RIB 8X92.19	7	EA
15	45061101	BEAM AL FLOOR H/D RIB 7X92.19	1	EA
16	088033401	PLATE FILLER RR AL.102X7.3X92.19	1	EA
17	45059400	DROP SILL AL FLOOR 2.62X92.69	1	EA
18	40900082	SPRING	4	EA
19	40900080	STUD	4	EA
20	40900081	GROMMET HALF	4	EA
21	083012200	ACCESS DOOR ASSEMBLY	1	EA
22	088012402	PLATE SUPPORT AL .125X18X19	1	EA
NS	083012403	REINFORCEMENT ANGLE AL 450187X24	1	EA



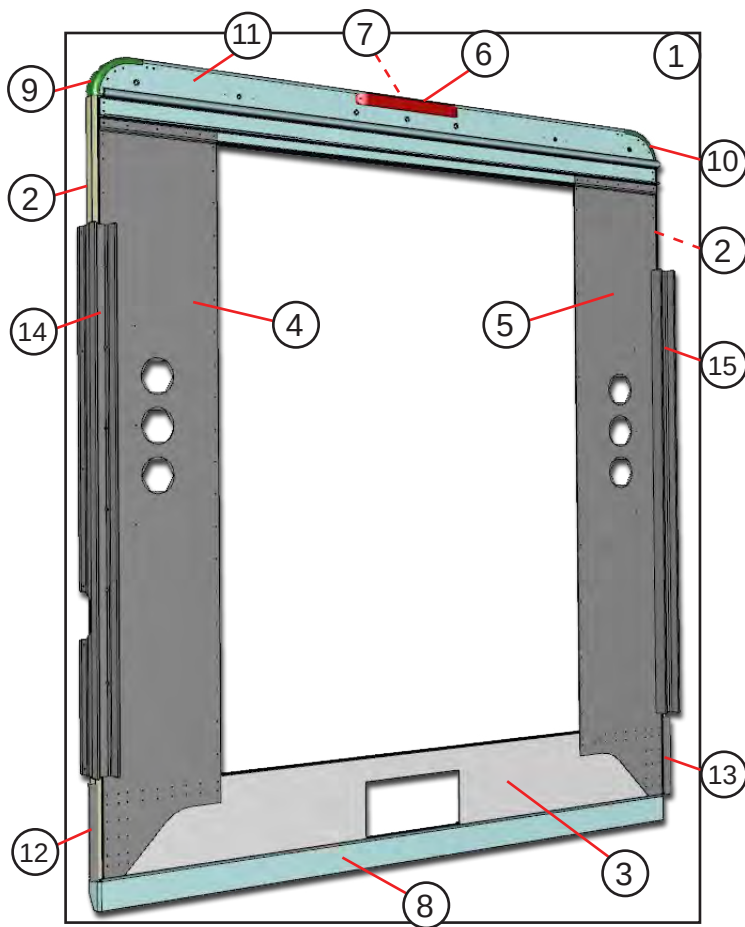
ITEM #	PART #	DESCRIPTION	QTY	UNIT
1	088038332	SIDE UPPER AL .102X60X273.31 ROADSIDE	1	EA
2	148037984	SIDE LOWER AL.102X37.5X273.31 ROADSIDE	1	EA
3	077400400	POST B AL 450274X99.62LH	1	EA
4	088039311	RUB/RAIL AL 450002X269	1	EA
5	1100800	END CAP FORWARD AL.125X2.37X5.5	2	EA
6	1100799	END CAP REAR FL AL.125X2.37X5.5	7	EA
7	7600165	PLATE FILR RB/RL AL.125X2.88X3	1	EA
8	148039423	RUB/RAIL LWR AL450002X42.19	1	EA
9	115046402	RUB/RAIL FORWARD AL 450002X44.5	1	EA
10	148039462	RUB/RAIL FORWARD AL 450002X3.47	1	EA
11	148039435	RUB/RAIL LOWER AL 450002X70.32	1	EA
12	092050404	ANGLE LOWER LIFTGATE AL450194X11.25 ROADSIDE	1	EA
13	092050412	MOUNT UPPER LIFTGATE AL450596X65.29 ROADSIDE	1	EA
14	148009000	BATTERY BOX INSTALLATION (SEE PAGE 35)	1	EA
15	47008545	VENT 2 WAY HINGLESS	1	EA
16	47008548	GASKET VENT	1	EA
17	093005421	CAB SKIRT ROADSIDE	1	EA
18	098022400	CAB SKIRT TAIL AL.07X5.76X36.83 ROADSIDE	1	EA
19	47001063	GRAB HANDLE AL 31.875L 2.75DP ANZ	1	EA
20	093048412	STIFFENER HEADER AL450595X79.5	1	EA
21	093048412	STIFFENER SIDE AL450595X79.5	9	EA
21	138048421	STIFFENER SIDE AL450595X56 (OVER WHEELBOX)	2	EA
21	125048413	STIFFENER SIDE AL.450595X20.69 (BESIDE WHEELBOX)	1	EA
22	7504176	GUSSET FLOOR/SIDE AL .102X12.1X12.1	5	EA



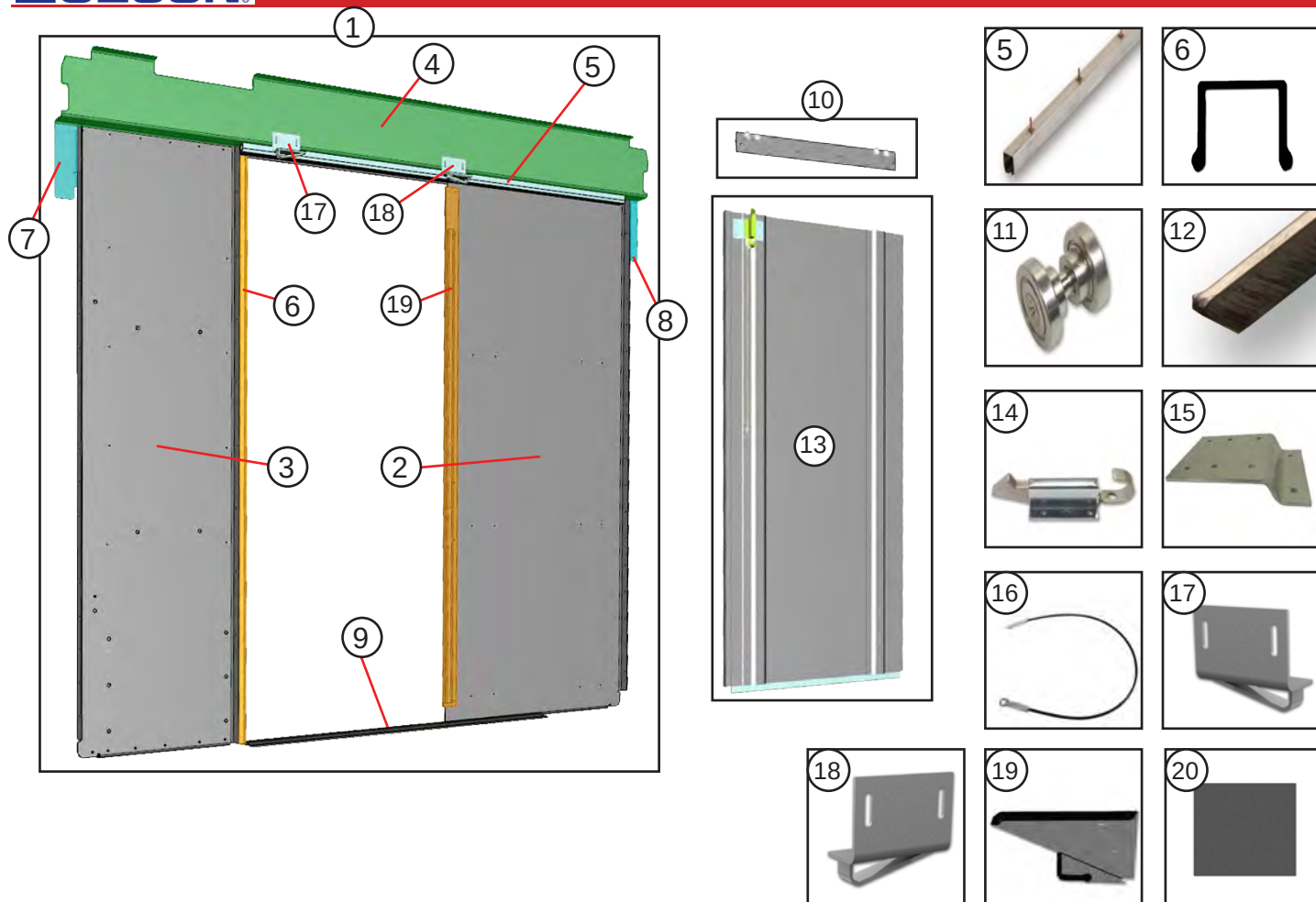
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2	148037809	SIDE LOWER AL.102X37.5X273.31 CURBSIDE	1	EA
3	077400401	POST B AL 450274X99.62 ROADSIDE	1	EA
4	088039311	RUB/RAIL AL 450002X269	1	EA
5	1100800	END CAP FORWARD AL.125X2.37X5.5	2	EA
6	1100799	END CAP REAR FL AL.125X2.37X5.5	7	EA
7	7600165	PLATE FILLER RUB/RAIL AL.125X2.88X3	1	EA
8	47001063	GRAB HANDLE AL 31.875L 2.75DP ANZ	1	EA
9	148039432	RUB/RAIL FORWARD AL 450002X58.61	1	EA
10	148039434	RUB/RAIL FORWARD AL 450002X65.02	1	EA
11	148039435	RUB/RAIL LOWER AL 450002X70.32	1	EA
12	092050405	ANGLE LOWER LIFTGATE AL450194X11.25 CURBSIDE	1	EA
13	092050413	MOUNT UPPER LIFTGATE AL450596X65.29 CURBSIDE	1	EA
14	093005440	CAB SKIRT CURBSIDE	1	EA
15	098022401	CAB SKIRT TAIL AL.07X5.76X36.83 CURBSIDE	1	EA
16	127042000	STIFFENER HEADER W/VENT ASSEMBLY	1	EA
17	083042401	STIFFENER HEADER AL450328X73.75 CURBSIDE	1	EA
18	47008533	CAP PLASTIC END VENT	1	EA
19	45100074	CAP RAIL END	1	EA
20	96742302	CLIP AL ZEE .102X3X9.57	1	EA
21	093048412	STIFFENER HEADER AL450595X79.5	9	EA
21	138048421	STIFFENER SIDE AL450595X56 (OVER WHEELBOX)	2	EA
21	125048413	STIFFENER SIDE AL.450595X20.69 (BESIDE WHEELBOX)	1	EA
22	7504176	GUSSET FLOOR/SIDE AL .102X12.1X12.1	5	EA



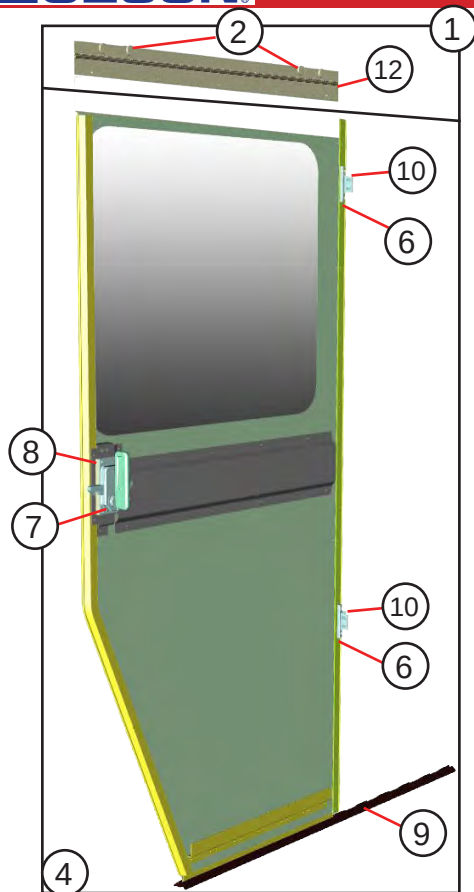
ITEM #	PART #	DESCRIPTION	QTY	UNIT
1	088010034	ROOF ASSEMBLY 22' 93W	1	EA
2	45601603	ROOF BOW STEEL 16GA SEC456016 X89.12	13	EA
3	098010421	ROOF RAIL 22' 456144X309.25 ROADSIDE	1	EA
4	098010422	ROOF RAIL 22' 456144X309.25 CURBSIDE	1	EA
5	088010524	RAIL INTERLOCK ROADSIDE	1	EA
6	088010525	RAIL INTERLOCK CURBSIDE	1	EA
7	89310478	ROOF BEAM @ O LINE	1	EA
8	077100400	CORNER CASTING ROADSIDE	1	EA
9	077100401	CORNER CASTING CURBSIDE	1	EA
10	89310506	NOSE ROOF INTERLOCK	1	EA
11	89310507	ROOF INTERLOCK TRANSOM	1	EA
12	083010400	ROOF NOSE	1	EA
NS	45200851	ROOF SKIN FIRERGLASS RF .075X82.25XFT	25.98	FT
14	42002019	LINER ROOF YC-25 FOSS GRY 42.81X90	1	EA
15	47006610	CLIP PLASTIC FLAT HEAD (52 CAB / 96 CARGO)	148	EA
NS	100011400	POLYST FILL ROOF LINER 4200200 4X22.5	1	EA
17	46002636	LAMP DOME CAB RECESSED LED	1	EA
18	090091403	BRACKET DOME LAMP AL.102X19.25X25.32	1	EA
19	098011402	LINER ROOF EMB.023X25X58.06	1	EA
20	46002638	LAMP DOME CARGO	3	EA
21	100092401	BRACKET LAMP DOME CARGO AL.07X7.75X24.75	3	EA
22	098011401	LINER ROOF EMB.023X49X58.06	5	EA
NS	1109001	INSULATION FBG CAB 1X48X100FT	7.25	FT
NS	1109001	INSULATION FBG CARGO 1X48X100FT	22	FT



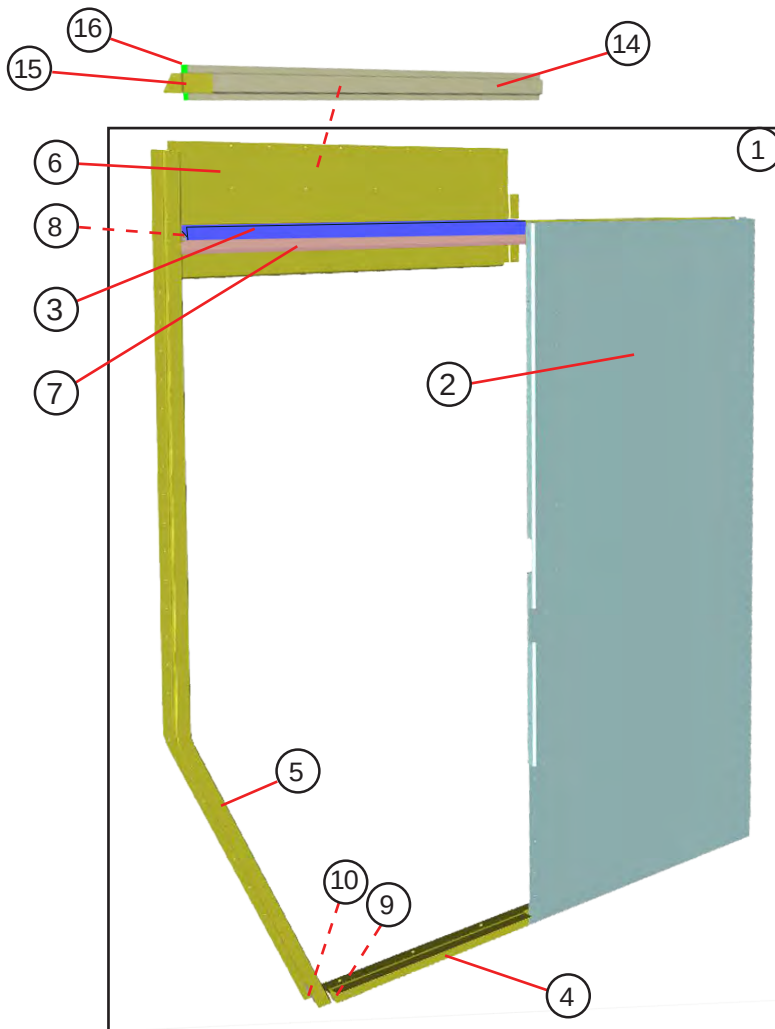
ITEM #	PART #	DESCRIPTION	QTY	UNIT
1	135052000	BACK ASSEMBLY 85H 93W (ITEMS 2,3,4,5)	1	EA
2	083053453	CHANNEL POST CORNER AL 450359X92.69	2	EA
3	083053603	SILL REAR 93W AL 450024X88.75	1	EA
4	135052400	PANEL BACK AL.102X16.12X90 ROADSIDE	1	EA
5	135052401	PANEL BACK AL.102X16.12X90 CURBSIDE	1	EA
6	46001905	LAMP AUX S/LH+RH TURN BAR	1	EA
7	1107109	GROMMET	1	EA
8	97850300	PLATE FILLER BACK AL .125X4.55X97.21	1	EA
9	45100009	CORNER CAST ROADSIDE	1	EA
10	45100010	CORNER CAST CURBSIDE	1	EA
11	083053401	TRANSOM AL 450266X91.62	1	EA
12	092050404	ANGLE LOWER LIFT GATE AL450194X11.25 ROADSIDE	1	EA
13	092050405	ANGLE LOWER LIFT GATE AL450194X11.25 CURBSIDE	1	EA
14	092050412	MOUNT LIFT GATE AL450596X65.29 ROADSIDE	1	EA
15	092050413	MOUNT LIFT GATE AL450596X65.29 CURBSIDE	1	EA



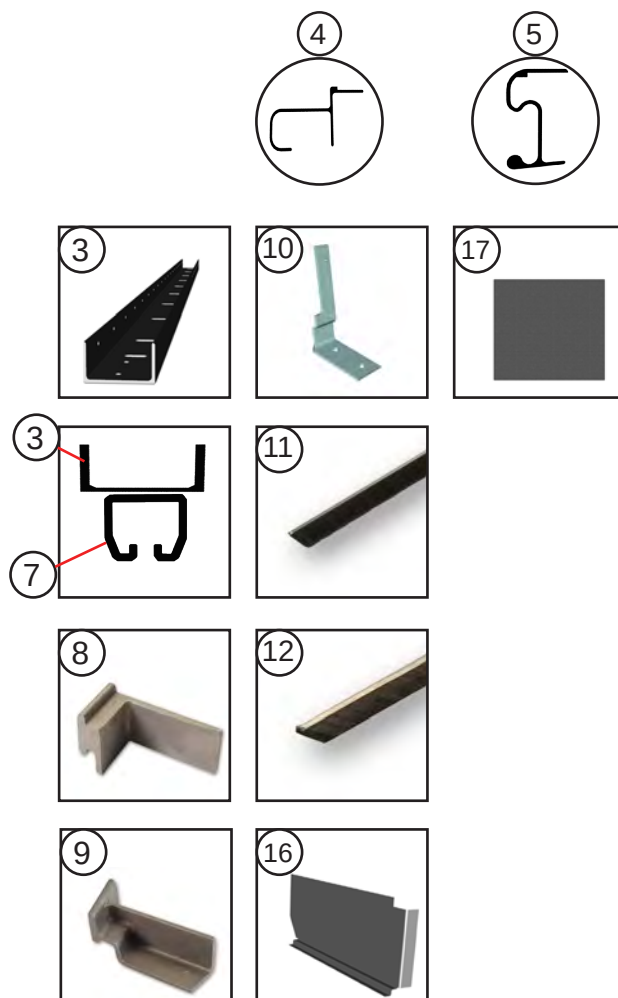
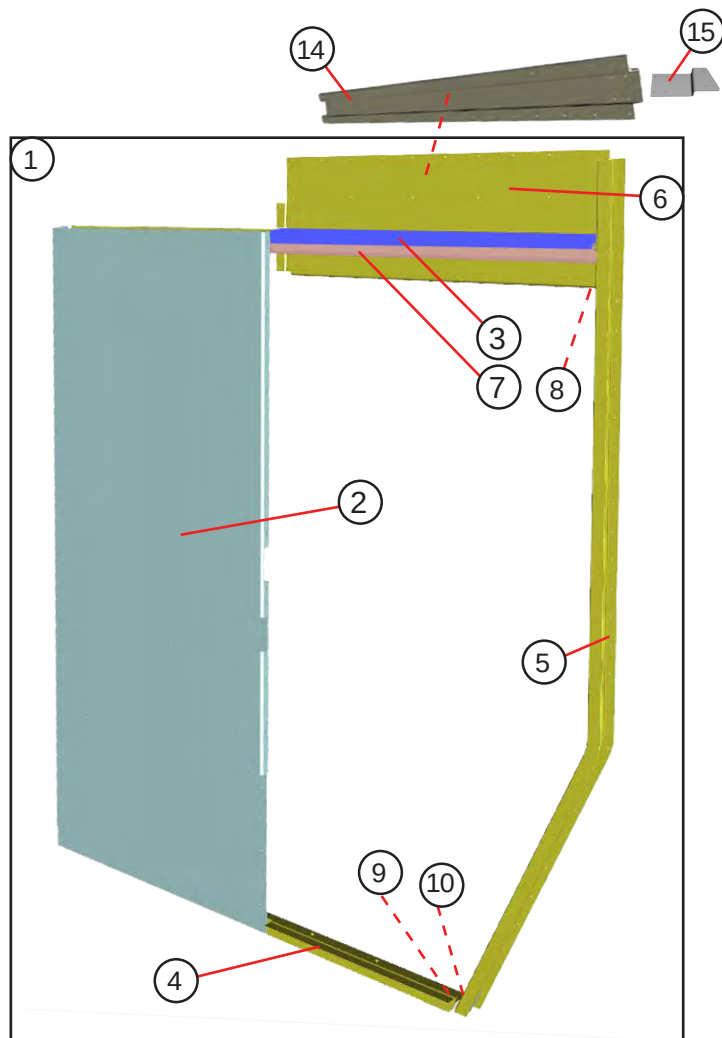
ITEM #	PART #	DESCRIPTION	QTY	UNIT
1	088070101	BULKHEAD INSTALLATION 85H93W N/WDO 32"SLDG	1	EA
2	088070519	PANEL BHD AL.102X33.84X77.17LH	1	EA
3	088070510	PANEL BHD AL.102X24.13X77.38RH	1	EA
4	088070521	HEADER BULKHEAD ZEE AL.102X12.63X92.4	1	EA
5	088070256	TRACK DOOR ASSEMBLY 30" CTR SLID	1	EA
6	96770312	JAMB AL 450326X74.37	1	EA
7	088070443	PLATE BULKHEAD AL .055X3.65X8.29RH	1	EA
8	088070441	PLATE BULKHEAD AL .055X3.65X8.29LH	1	EA
9	96770316	GUIDE DOOR FLOOR AL 450414X47.88	1	EA
10	088070257	HANGER ASSEMBLY W/SEAL BHD	1	EA
11	47006595	BEARINGS SR311-214 & RT311-278	4	PR
12	44008050	SEAL BRUSH TYPE B 1X42	1	EA
13	088070255	DOOR ASSEMBLY BULKHEAD N/WDO W/ F/P	1	EA
14	1113046	LATCH FINGER PULL	1	EA
15	92537309	PLATE MOUNTING LATCH AL .125X3X5.29	1	EA
16	1113600	CABLE BHD .125X29" BLACK VNL	1	EA
17	98770201	STRIKER WLDMT BULKHEAD A	1	EA
18	98770202	STRIKER WLDMT BULKHEAD A	1	EA
19	088070435	CHANNEL BULKHEAD AL 450502X72.15LH	1	EA
20	47009600	CARPET GREY BLACHFORD	12.5	FT



ITEM #	PART #	DESCRIPTION	QTY	UNIT
1	96760203	HANGER ASSEMBLY	1	EA
2	47006595	BEARINGS	4	PR
3	44008050	SEAL BRUSH TYPE B	1	EA
4	118060201	DOOR ASSEMBLY CURBSIDE	1	EA
5	98760306	WEATHERSTRIP	1	EA
6	45200206	SPACER ANTI RATTLE CLIP	2	EA
7	1113016	LATCH MECHINISM	1	EA
8	087181	KASON SPACER LATCH	1	EA
9	47002766	GUIDE NYLON DOOR MOLDED LOWER X51.44	1	EA
10	96760318	CLIP ANTI RATTLE	2	EA
11	44004104	SEAL RUBBER RS FWD DR X89.25	1	EA
12	96760307	PLATE DOOR HANGER	1	EA
13	118060200	DOOR ASSEMBLY ROADSIDE	1	EA
14	45100094	BRACKET STRIKER CAST D/S	2	EA
15	45100093	STRIKER BRONZE D/S RR	4	EA
16	45100163	STRIKER BRONZE D/S RR	2	EA
17	44002011	BUMPER RUBBER A/I #0021W	2	EA
18	47000689	HANDLE SIDE BLACK	2	EA
19	47001194	REMOVABLE CYCLINDER	2	EA
20	45800062	WINDOW SLIDING CURBSIDE	1	EA
21	45800063	WINDOW SLIDING ROADSIDE	1	EA
22	118060403	PANEL INTERIOR LOWER DOOR SKIN AL.07X39.4X40.02 LH	1	EA
NS	42002001	INSULATION RFLT 4FTx3.12FT	3.12	FT
22	118060402	PANEL INTERIOR LOWER DOOR SKIN AL.07X39.4X40.02 RH	1	EA



ITEM #	PART #	DESCRIPTION	QTY.	UNIT
1	077041209	DOOR POCKET ASSEMBLY 85H Y RH W/VT	1	EA
2	118041401	PANEL DOOR POCKET AL.102X42.26X87.65RH	1	EA
3	96741303	CHANNEL HEADER AL 450256X75 RH	1	EA
4	98741353	NOSE STEP AL 450247X61.29 RH	1	EA
5	077410401	DOOR POST AL 450294X102.43RH	1	EA
6	077410409	PANEL HEADER AL.102X19.49X42.37 RH	1	EA
7	96741202	TRACK ASSEMBLY UPPER	1	EA
8	45100049	GUSSET HEADER CHANNEL TO DOOR POST	1	EA
9	45100105	DOOR POST CASTING LOWER	1	EA
10	001741408	REINFORCEMENT BRACKET AL.125X1.53X8.04 RH	1	EA
11	44004060	SEAL BRUSH TYPE C 1.5X82	1	EA
12	44008050	SEAL BRUSH TYPE B 1X83.9	1	EA
NS	45900001	PLUG WD RUBRAIL .75X1.12X2.9	1	EA
14	083042401	STIFFENER HEADER AL450328X73.75 RH	1	EA
15	96742302	CLIP AL Z .102X3X9.57	1	EA
16	45100074	CAP RAIL END	1	EA
17	47008533	VENT CAP PLASTIC	1	EA
18	123019405	PANEL LINER HEADER AL.07X19.48X50.57 RH	1	EA
19	47009600	CARPET GREY BLACHFORD	2	FT



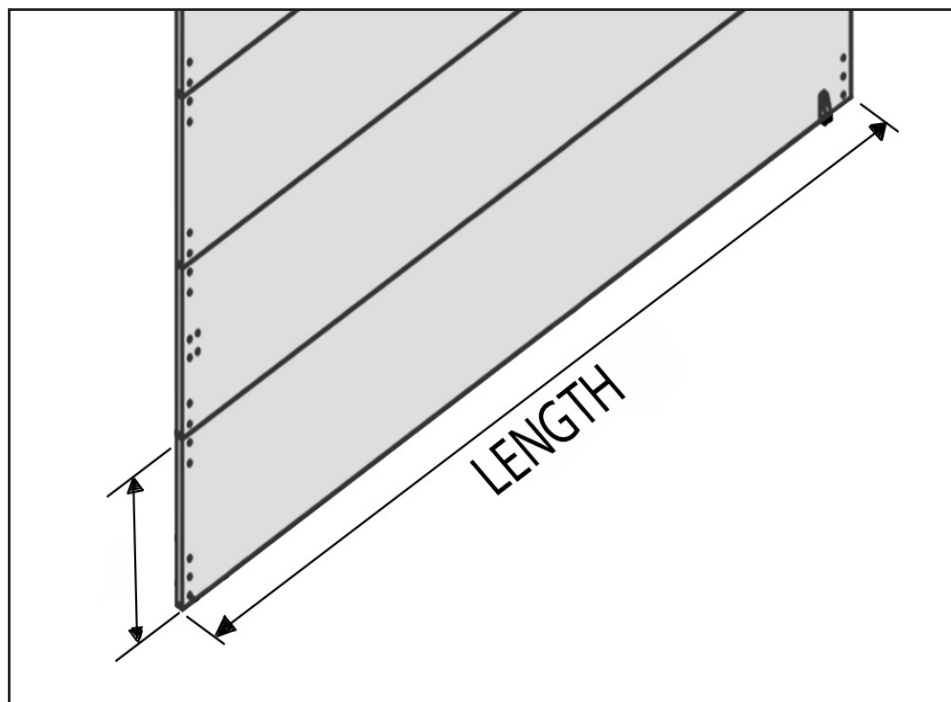
ITEM #	PART #	DESCRIPTION	QTY.	UNIT
1	077041214	DOOR POCKET ASSEMBLY 3" 85H Y RH W/VENT	1	EA
2	118041400	PANEL DOOR POCKET AL.102X42.26X87.65 LH	1	EA
3	96741302	CHANNEL HEADER AL 450256X75 LH	1	EA
4	98741352	NOSE STEP AL 450247X61.29 LH	1	EA
5	077410400	DOOR POST AL 450294X102.43 LH	1	EA
6	077410404	PANEL HEADER AL.102X19.49X42.37 LH	1	EA
7	96741202	TRACK ASSEMBLY UPPER	1	EA
8	45100048	GUSSET HEADER CHANNEL TO DOOR POST	1	EA
9	45100104	DOOR POST CASTING LOWER LH	1	EA
10	001741407	REINFORCEMENT BRACKET PST AL.125X1.53X8.04 LH	1	EA
11	44004060	SEAL BRUSH TYPE C 1.5X82	1	EA
12	44008050	SEAL BRUSH TYPE B 1X83.9	1	EA
NS	45900001	PLUG WD RB/RL .75X1.12X2.9	1	EA
14	083042400	STIFFENER HEADER AL450328X73.75 LH	1	EA
15	96742302	CLIP AL ZEE .102X3X9.57	1	EA
16	123019408	PANEL LINER HEADER AL.07X19.45X44.37 LH	1	EA
17	47009600	CARPET GREY BLACHFORD	4	FT

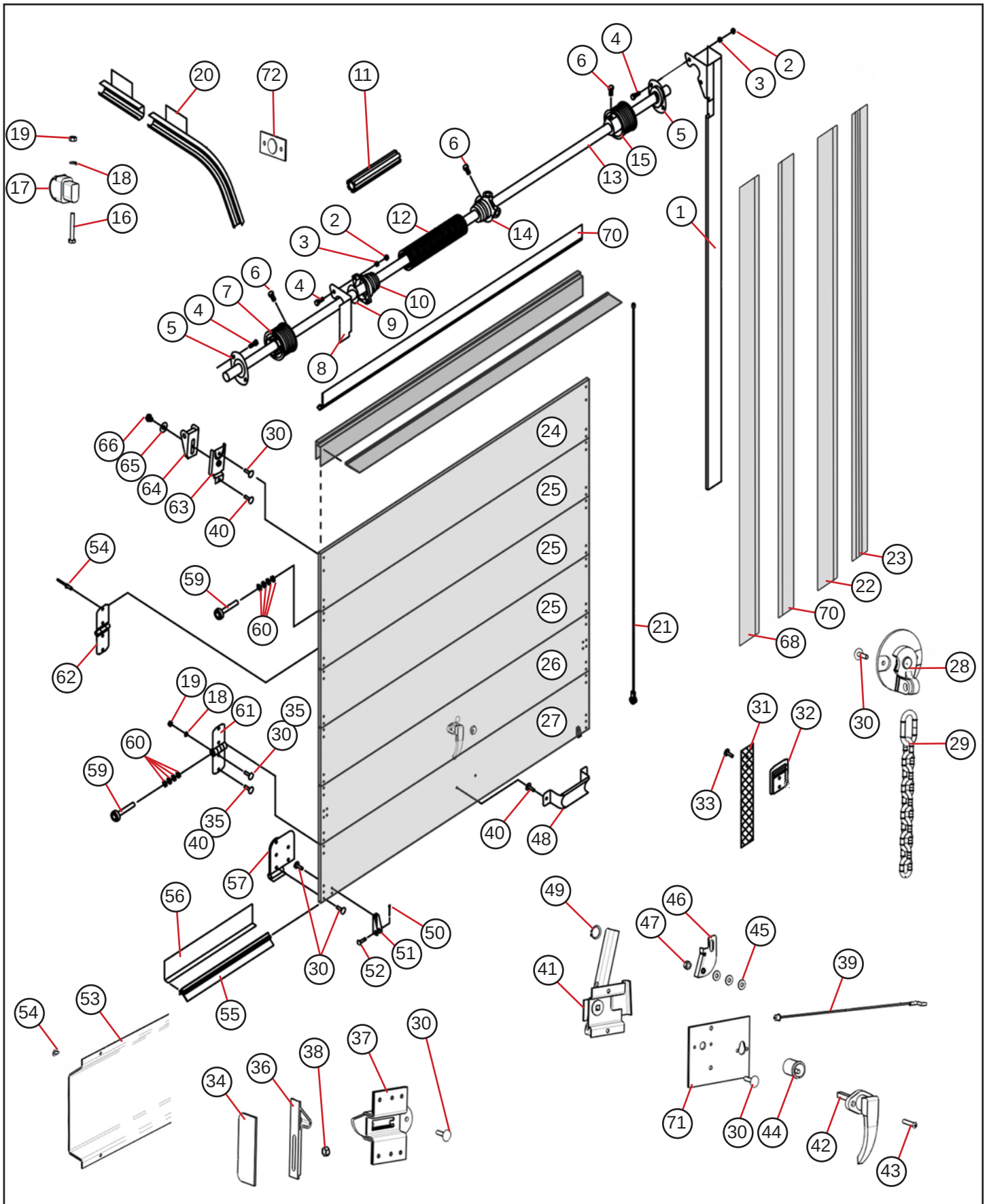


ROLL-UP DOOR SERIAL NUMBER LOCATION

WHEN ORDERING PARTS FOR ROLL-UP DOORS,
PLEASE PROVIDE THE FOLLOWING INFORMATION.
THE SERIAL NUMBER LOCATED ON THE INTERIOR TOP PANEL ROADSIDE EDGE.
THE LENGTH AND HEIGHT OF THE DOOR PANEL(S) TO BE ORDERED.

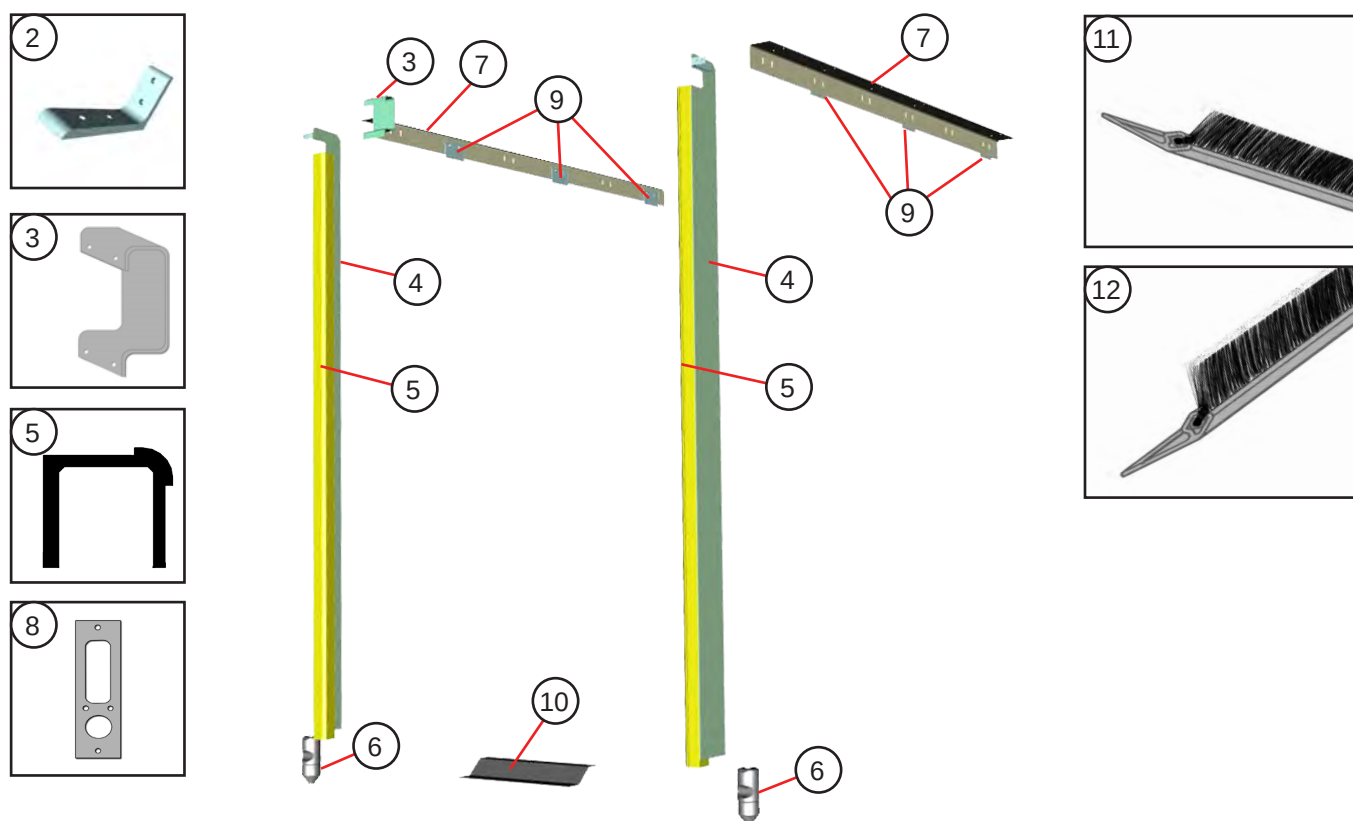
IN THE EVENT OF A DAMAGED, UN-READABLE OR MISSING SERIAL NUMBER,
PLEASE TRY TO PROVIDE THE COMPOSITION DETAILS OF THE DOOR PANEL.
(PLASTIC COATED, ALUMINUM CLAD, PLYWOOD, ETC.)



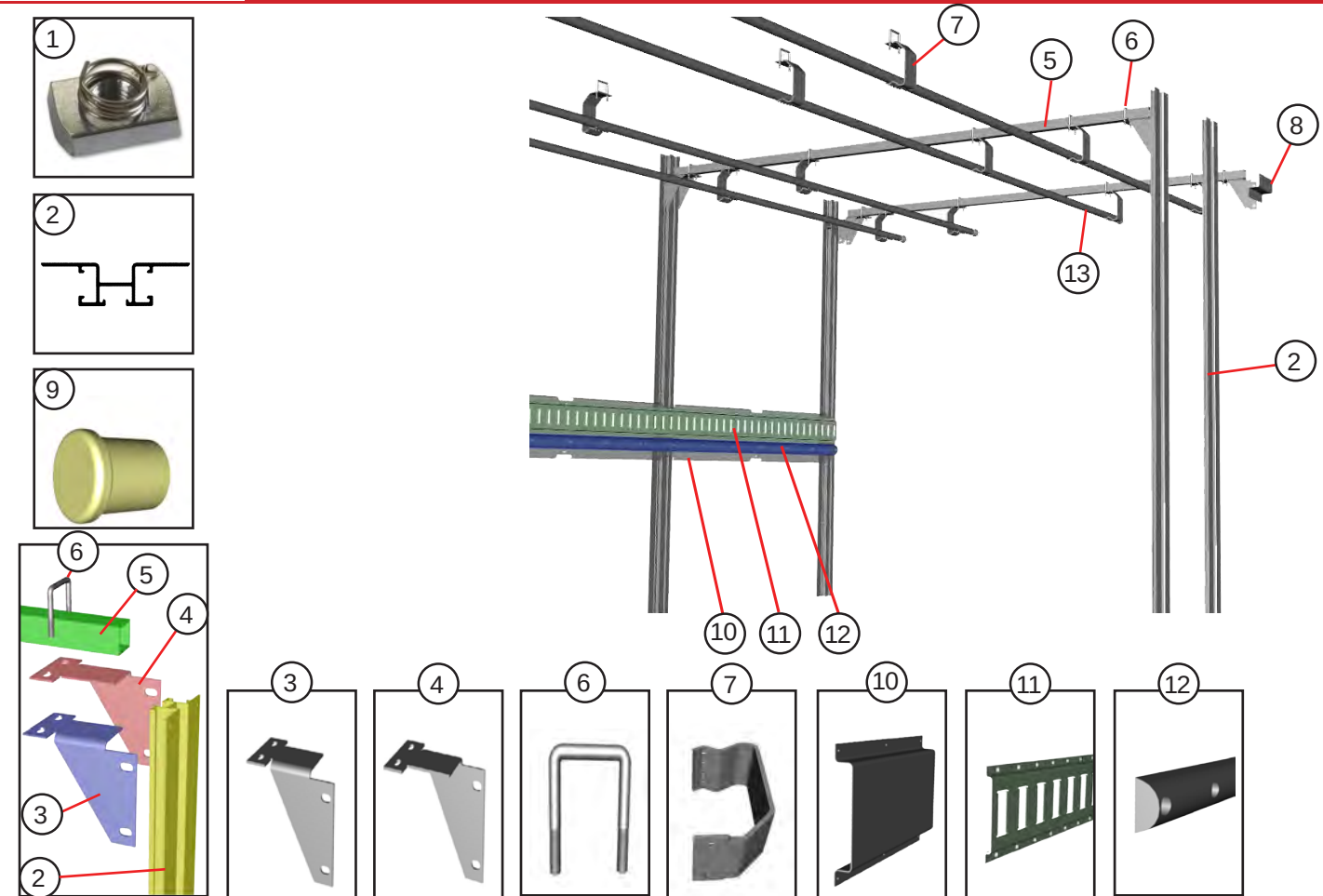


ITEM #	PART #	DESCRIPTION	QTY.	UNIT
	47106575	ROLL-UP DOOR WEATHERTITE 58.75X78.38	1	EA
N/S	005774400	MOUNTING ANGLE	2	EA
1	CALL	VERTICAL TRACK ASM.- R/H (CURBSIDE)	1	EA
N/S	CALL	VERTICAL TRACK ASM.- L/H (ROADSIDE)	1	EA
NS	117073400	TRACK KEYLESS MOD (47009726)	1	EA
2	N/A	HEX NUT - 5/16" NC	6	EA
3	N/A	LOCK WASHER - 5/16"	6	EA
4	N/A	HEX HEAD BOLT - 5/16" NC X 7/8"	6	EA
5	61380	BEARING ASSEMBLY	2	EA
6	47009906	HEX HEAD SET SCREW - 3/8" NC X 7/8"	6	EA
7	1116524	CABLE DRUM - L/H (ROADSIDE)	1	EA
8	61379	SPRING ANCHOR BRACKET	1	EA
9	1116586	BEARING - SPRING ANCHOR PLUG	1	EA
10	47003640	SPRING ANCHOR PLUG - 2 1/2" I.D. SPRING	1	EA
11	N/A	FILLER PLUG - 2 1/2" I.D. SPRING	1	EA
12	47003641	SPRING - 2 1/2" I.D. - #5 X 30" LONG	1	EA
13	47003642	COUNTERBALANCE SHAFT - 58 3/4" LONG	1	EA
14	47003643	SPRING WINDING PLUG - 2 1/2" I.D. SPRING	1	EA
15	1116523	CABLE DRUM - R/H (CURBSIDE)	1	EA
16	N/A	HEX HEAD BOLT - 1/4" NC X 1 3/4"	2	EA
17	47003644	HEAD PROTECTOR	2	EA
18	N/A	LOCK WASHER - 1/4" I.D.	14	EA
19	N/A	HEX NUT - 1/4" NC	14	EA
20	CALL	HORIZONTAL TRACK - R/H (CURBSIDE)	1	EA
N/S	CALL	HORIZONTAL TRACK - L/H (ROADSIDE)	1	EA
21	61384	CABLE ASSEMBLY - 110" LONG	1	PR
22	47106602	BRUSH SIDE SEAL - 1" X 85.75" LONG	2	EA
23	47003648	BRUSH RETAINER - SIDE SEAL - 87" LONG	2	EA
24	CALL	WEATHERTITE TOP PANEL - 10 1/8" X 58 3/4"	1	EA
25	CALL	WEATHERTITE INTERM PANEL - 15" X 58 3/4"	3	EA
26	CALL	WEATHERTITE INTERM LOCK PANEL ASM. -15" X 58 3/4"	1	EA
27	CALL	WEATHERTITE BOTTOM PANEL - 15" X 58 3/4"	1	EA
28	47003653	SAFETY CHAIN LOCK ASSEMBLY	1	EA
29	76431026	STAINLESS STEEL SAFETY CHAIN W/XM - 3343 SLEEVE	1	EA
30	N/A	RIVET - STAINLESS STEEL - 1 1/8"	28	EA
31	47003674	PULL STRAP - 62" LONG (BLACK)	1	EA
32	47000827	PULL STRAP RETAINER	1	EA
33	N/A	SPLINED CARRIAGE BOLT - 1/4" NC X 1 1/2"	2	EA
34	47003675	CATCH MOUNTING PLATE - R/H (CURBSIDE)	1	EA
N/S	47003676	CATCH MOUNTING PLATE - L/H (ROADSIDE)	1	EA
35	N/A	STEP BOLT - 1/4" NC X 1 1/4" STAINLESS STEEL	8	EA
36	47003677	LOCK CATCH	2	EA
37	47000080	END LATCH - R/H (CURBSIDE)	1	EA
N/S	47000081	END LATCH - R/H (ROADSIDE)	1	EA
38	N/A	FLANGE LOCK NUT - 5/16" NC	4	EA

ITEM #	PART #	DESCRIPTION	QTY.	UNIT
39	47003678	LOCK CABLE ASSEMBLY - 24 - 9/16" LONG	2	EA
40	N/A	RIVET - STAINLESS STEEL - 1" LONG	46	EA
41	47003679	CENTER CONTROL ASSEMBLY	1	EA
42	1116535	PLAIN "L" HANDLE	1	EA
43	N/A	OVAL HEAD MACHINE SCREW - #10 - 32 X 1 1/4"	2	EA
44	47003680	BEST CYLINDER KIT - (NO CORE OR KEYS)	1	EA
45	N/A	FLAT WASHER - 1/4" I.D.	3	EA
46	47000082	TOP CAM CATCH	1	EA
47	N/A	LOCK NUT - 1/4" NC	1	EA
48	1116536	LIFT HANDLE	1	EA
49	47003681	RETAINING RING	1	EA
50	N/A	COTTER PIN - 3/32" DIA.	2	EA
51	47009923	CABLE ANCHOR BRACKET	2	EA
52	1116538	CABLE ANCHOR PIN	2	EA
53	47003682	LOCK COVER - ALUMINUM - 58 1/4" LONG	1	EA
54	N/A	1/4" POP RIVET	30	EA
55	47003683	BOTTOM SEAL - HEAVY DUTY - 58 3/4" LONG	1	EA
56	47003684	BOTTOM ANGLE - 53 3/4" LONG	1	EA
57	47003685	HEAVY DUTY BOTTOM FIXTURE - R/H (CURBSIDE)	1	EA
N/S	47003694	HEAVY DUTY BOTTOM FIXTURE - L/H (ROADSIDE)	1	EA
58	N/A	RIVET - STAINLESS STEEL - 1 1/4" LONG	4	EA
59	61360	ROLLER - SEALED	14	EA
60	47009917	SPACER WASHER - ROLLER	16	EA
61	61419	END HINGE	10	EA
62	61397	CENTER HINGE	10	EA
63	1116531	BASE - ADJUSTABLE TOP FIXTURE	2	EA
64	1116530	SLIDE - ADJUSTABLE TOP FIXTURE	2	EA
65	N/A	FLAT WASHER - 3/8" I.D.	2	EA
66	47009912	E-LOK BOLT - 3/8" NC	2	EA
67	47003686	HEAD SEAL RETAINER - 58 3/4" LONG	1	EA
68	47106596	BRUSH SIDE SEAL - 1" BRUSH	2	EA
N/S	47106599	BRUSH HEAD SEAL - 1-1/2" BRUSH	1	EA
69	N/A	DRIVE RIVET - 3/16" X 15/32" LONG	4	EA
70	47003690	HEAD SEAL RETAINER - 54" LONG	1	EA
N/S	47003691	SIDE RETAINER 86" -LONG	1	EA
71	47003692	BACK PLATE-TWO-POINT LOCK W/BEST CYLINDER	1	EA
72	47003693	TRACK CLOSE-OUT	2	EA



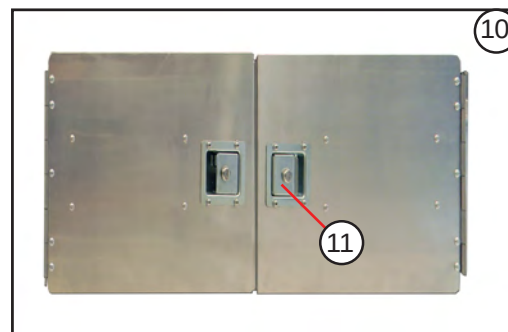
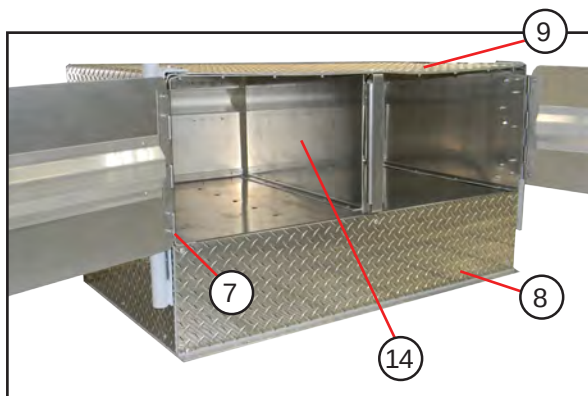
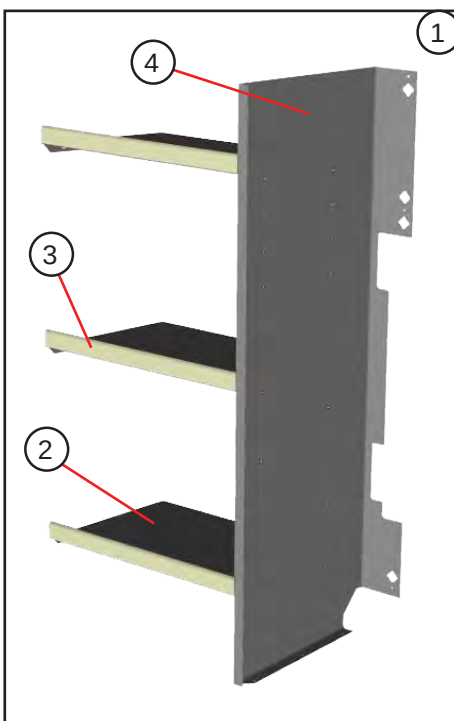
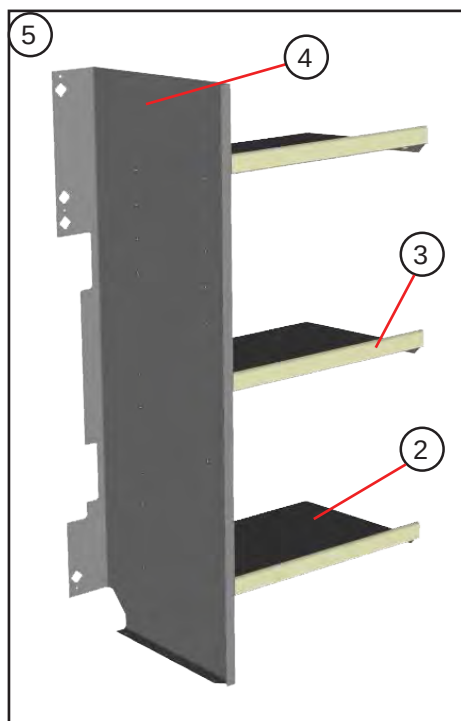
ITEM #	PART #	DESCRIPTION	QTY.	UNIT
	083130592	RUD I 84H NON F/O SL (ALL ITEMS ON THIS PAGE)	1	EA
2	90650309	ANGLE CLIP AL 450192X.88	4	EA
3	7400214	BRACKET SPACER DOOR AL 1126509X4	1	EA
4	7402232	SUPPORT TRACK AL .125X5X81.24	1	EA
5	7402268	POST JAMB RUD AL 450359X78.25	2	EA
6	47009530	DRAIN CHAMBER HDPE	2	EA
7	97024300	ANGLE TRK HORZ AL .102X5.76X68	2	EA
8	47000161	REINFORCEMENT STRIKER RUD STL.25X7.25X2	1	EA
9	83024136	PLATE MOUNTING TRACK STEEL 11GAX2.5X4	6	EA
10	097130400	PLATE LOCK BAFFLE AL.07X6.44X18	1	EA
11	47106596	SEAL SIDE BRUSH 1.0"	2	EA
12	47106599	SEAL HEADER BRUSH 1.5"	1	EA



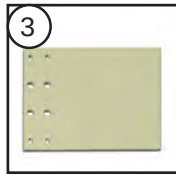
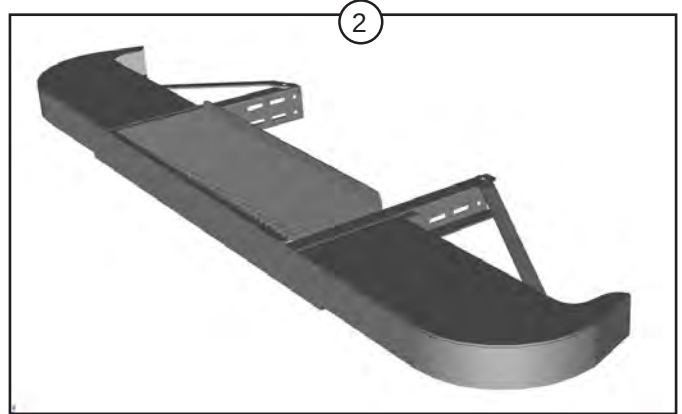
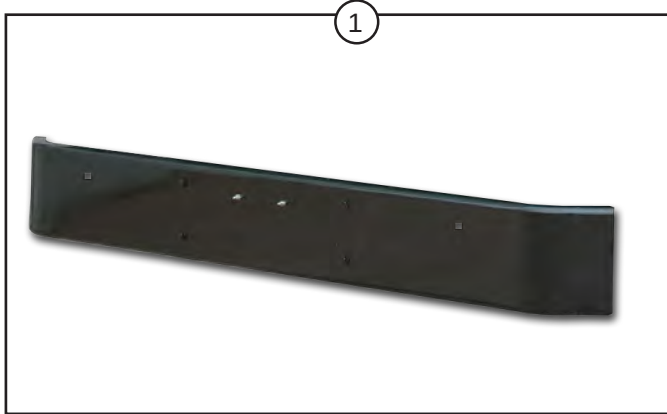
ITEM #	PART #	DESCRIPTION	QTY.	UNIT
1	47001001	CHANNEL NUT 3/8-16 W/SPRING 1-1/4"	88	EA
1	47009988	CHANNEL NUT 1/4-20 W/SPRG 1-1/4"	86	EA
2	093048412	STIFFENER SIDE - SEE PAGES 12 AND 13	22	EA
3	093095414	BRACKET PIPE RACK AL.125X5.88X8.23 LH	22	EA
4	093095415	BRACKET PIPE RACK AL.125X5.88X8.23 RH	22	EA
5	45601158	TUBE STEEL 11GA 45601158X89.5	9	EA
5	113095400	TUBE STEEL 11GA 45601158X83.5 (@ DOOR POCKET)	2	EA
6	45601155	UBOLT SQUARE .31-18 X 2 X 2.375	66	EA
7	45601153	SUPPORT CHANNEL 3.12" PIPE RACK	44	EA
8	093095406	Z PIPE RK AL.125X5.46X7	4	EA
9	45601152	END CAP RUB 1.32OD	8	EA
10	098102401	HAT E/TRK AL.125X10.8X117.75	1	EA
11	098102437	E/TRK HORZ 1101531X105.95	2	EA
12	098102438	PROTECTIVE BUMPER E/TRK 1107307X112.95	2	EA
13	45601156	TUBE STEEL 14GA 1.3125X252	4	EA

* Items 10, 11 and 12 - Only the longest lengths of materials used are shown above.

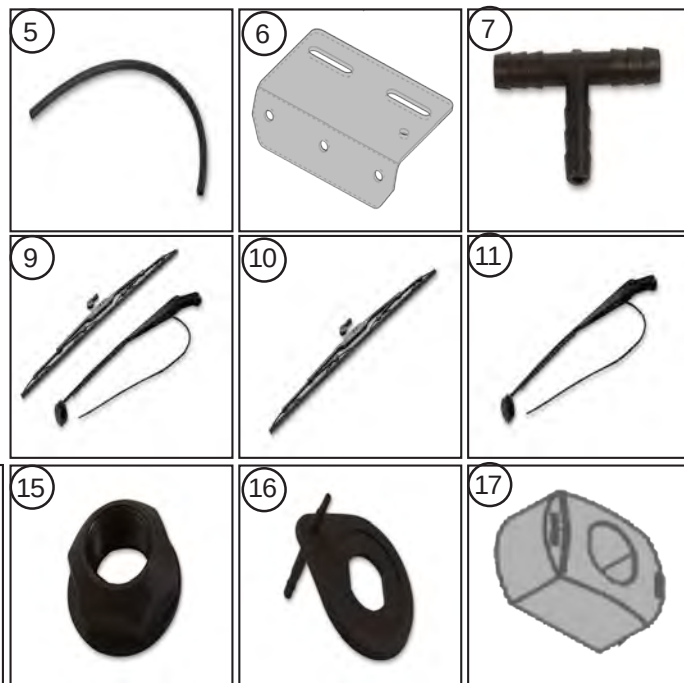
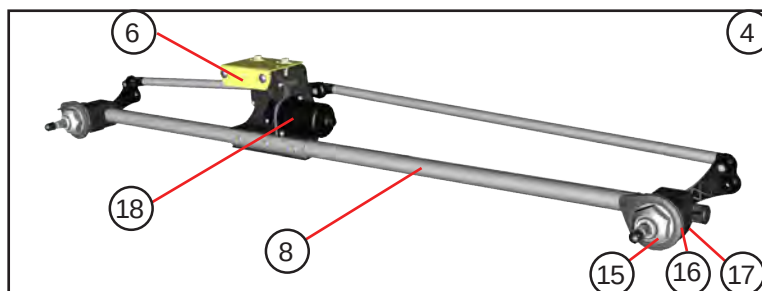
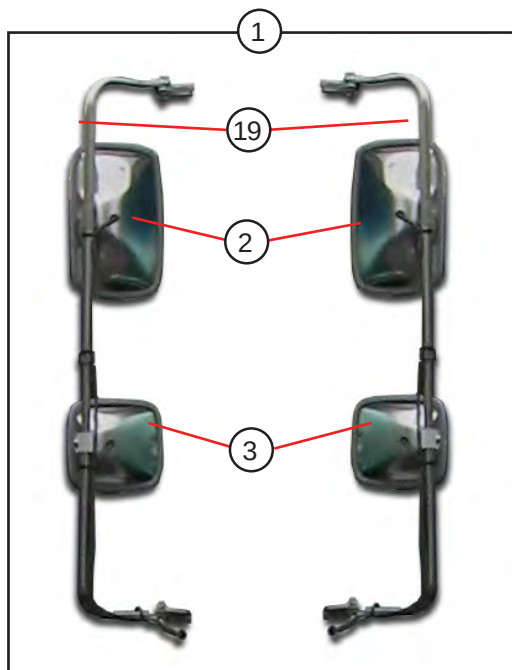
E/TRACK HORZ	74"-125102409	105.95"- 098102437			
HAT E/TRACK RH	28"- 098102441	105.95"- 098102437	110.5" - 098102436	117.5" - 098102401	
HAT E/TRACK LH	29"- 098102449	105.95"- 098102437	110.5" - 098102453	117.5" - 098102452	
RUBBERBUMPER	28"- 083102409	112.6" - 083104410	112.95" - 098102438		



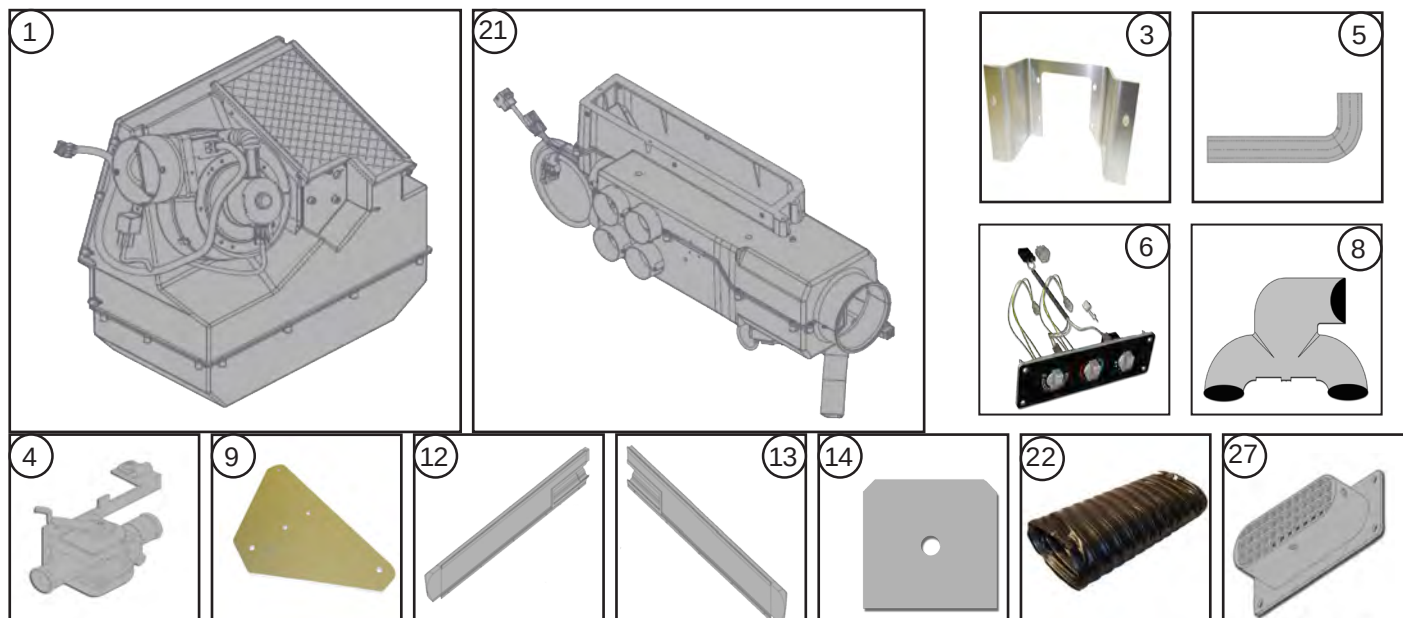
ITEM #	PART #	DESCRIPTION	QTY.	UNIT
1	092126003	SHELF INSTALLATION 3 TIER ADJ/FXD @D/PKT CURBSIDE	1	EA
2	092126404	SHELF PANEL AL.102X21.71X31.98 (3 PER SHELF ASSEMBLY)	3	EA
3	093105631	LIP SHELF AL450589X29 (3 PER SHELF ASSEMBLY)	3	EA
4	092126400	END PANEL AL.102X31.99X69.71 RH	1	EA
5	092126010	SHELF INSTALLATION 3 TIER ADJ/FXD @D/PKT ROADSIDE	1	EA
6	092126411	END PANEL AL.102X31.99X69.71 LH	1	EA
7	118131496	HINGE DOOR AL 12"	2	EA
8	95869202	WHEEL BOX ASSEMBLY SEE PAGE 11	2	EA
9	138119000	COMPARTMENT INSTALLATION (OVER W/BX 14HX44W)	2	EA
10	125119204	DOOR ASSEMBLY COMPARTMENT OVER W/BOX	2	EA
11	08701	LOCK HARDWARE ZINC PLATED	2	EA
12	130118200	RUG HOLDER	2	EA
13	125119402	BRACE	2	EA
14	138119402	DIVIDER WRPR COMPARTMENT AL.125X16.21X23	1	EA



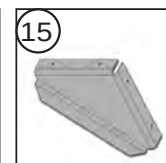
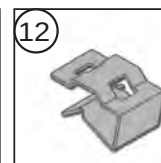
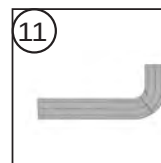
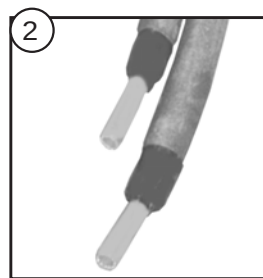
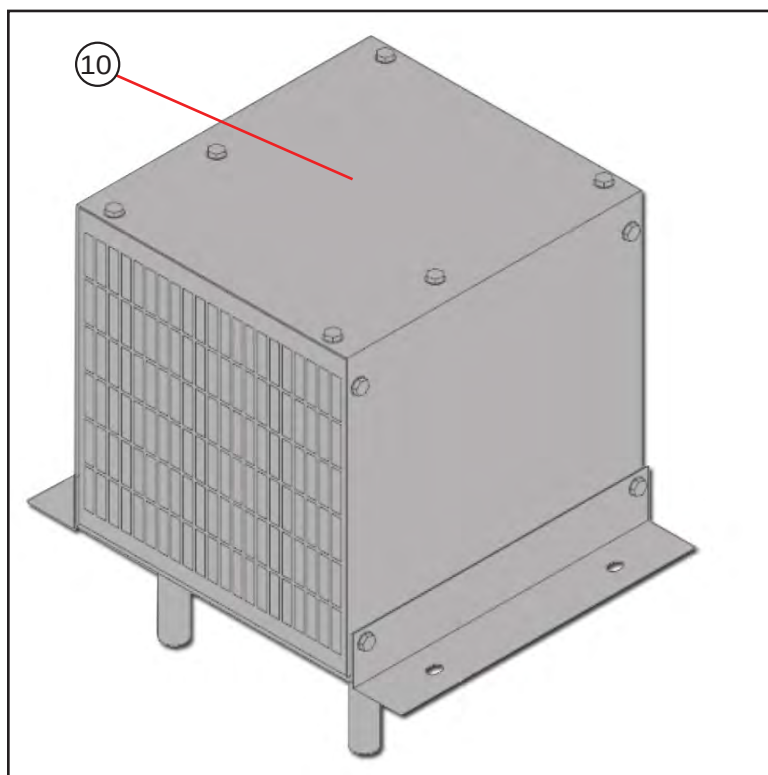
ITEM #	PART #	DESCRIPTION	QTY.	UNIT
1		BUMPER FRONT - SUPPLIED BY CHASSIS MFG.	1	EA
2	115057001	BUMPER REAR - OMITTED FOR LIFTGATE	1	EA
3	95806331	PLATE HANGER BUMPER STEEL .312X11X16.07	2	EA



ITEM #	PART #	DESCRIPTION	QTY.	UNIT
1	090051002	MIRROR INSTALLATION	1	PR
2	47005584	MIRROR STAINLESS HEAD 6.5X10 (HEATED)	2	EA
3	47005585	MIRROR STAINLESS HEAD 6.5X6 (HEATED)	2	EA
4	117363001	WINDSHIELD WIPER INSTALLATION (INCLUDES ITEMS 5-8, 15-17)	1	EA
5	1107122	HOSE .188 ID WSW	12	FT
6	083055454	BRACKET WIPER MOTOR AL.102X4.5X4.64	1	EA
7	1101694	TEE WSWA U/T	1	EA
8	47004188	WIPER SYSTEM TBLR 2 PIVOT	1	EA
9	007363004	WIPER ARM WITH BLADE	1	EA
10	47004134	BLADE 24IN BLACK	1	EA
11	47004186	ARM WSW WET 22IN RADIAL BLACK	1	EA
12	47004137	RSVR W/PUMP WSWA	1	EA
13	003705413	BRACKET MOUNTING RSVR	1	EA
14	46021115	CLIP BODY LARGE PAN	1	EA
15	47005901	NUT	2	EA
16	47005902	PIVOT COVER	2	EA
17	47005903	SPACER	2	EA
18	47005900	MOTOR WINDSHIELD WIPER	1	EA
19	47005583	LOOP MIRROR STAINLESS	2	EA



ITEM #	PART #	DESCRIPTION	QTY.	UNIT
1	555001015	CORE HEATER	1	EA
3	002080400	BRACKET CONT HEATER AL .102X3X11.67	1	EA
4	555002053	VALVE WATER	1	EA
5	47008580	HOSE HEATER FORMED	2	EA
6	555001413	PANEL CONTROL HVAC	1	EA
NS	115080401	BRACKET FOOT DUMP AL.07X4.25X7.45	1	EA
8	090080401	DUCT FOOT DUMP SPCL	1	EA
9	005780402	MOUNTING PLATE AL .07X4.25X8	1	EA
NS	555001524	HOSE DEFROSTER	1	EA
NS	100080023	HEATER PLENUM DEFROSTER 93/96W	1	EA
12	555001719	DUCT DEFROSTER ROADSIDE	1	EA
13	555001720	DUCT DEFROSTER CURBSIDE	1	EA
14	093080400	MOUNTING PLATE AL.102X1.34X1.5	4	EA
NS	117080011	DUCT HEATER ELEK SPCL	1	EA
NS	555001523	HOSE DEFROSTER 2.5X16	1	EA
NS	555001524	HOSE DEFROSTER 2.5X30	2	EA
NS	555001525	HOSE DEFROSTER 2.5X38	2	EA
NS	555001533	HOSE BLOWER 5X7.5	1	EA
NS	555001715	BALL LUVER	6	EA
21	555001323	DUCT HVAC 2011	1	EA
22	47008232	HOSE HEATER DEFROSTER 5" DIA 14" LONG	1	EA
NS	107080005	INTAKE FRESH AIR HVAC	1	EA
NS	555001532	HOSE FRESH AIR HVAC 4" DIA	1	EA
NS	47008812	DUCT RF A/C DAN A/C TO BULKHEAD	1	EA
NS	990002149	A/C FO DAN 808 LBR ONLY FCC	1	EA
27	555002003	COLLAR - FRESH AIR INTAKE	1	EA



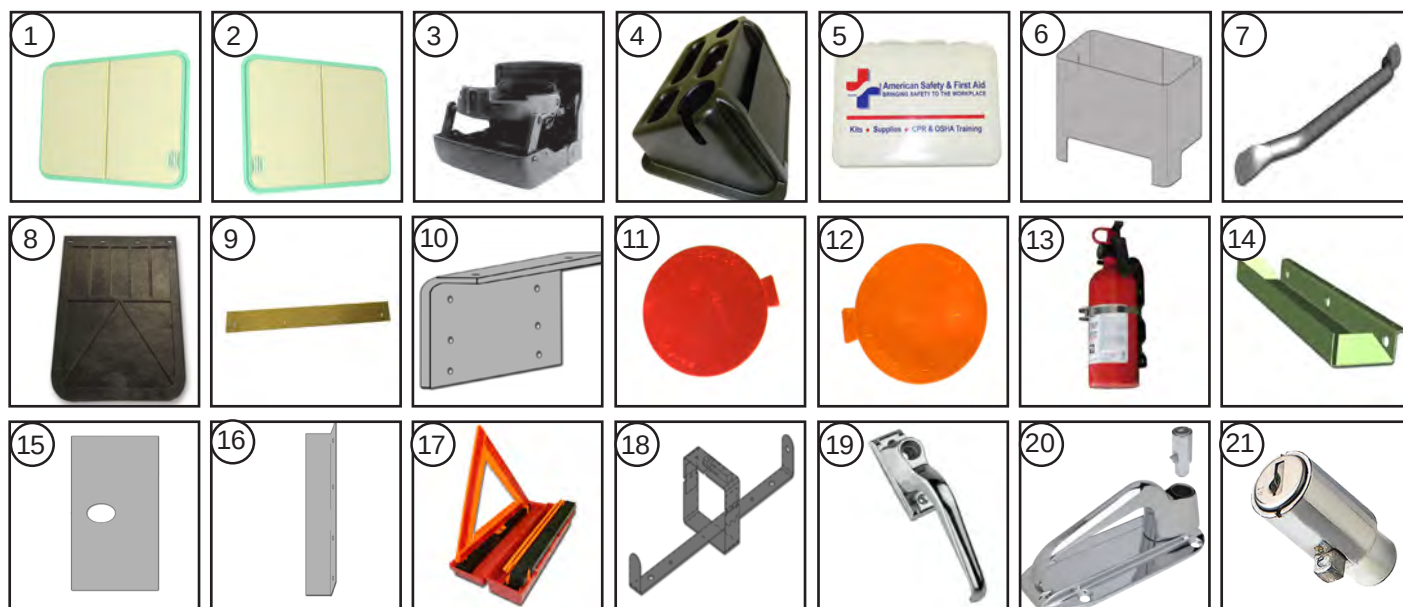
ITEM #	PART #	DESCRIPTION	QTY	UNIT
NS	007144004	AUXILIARY HEATER INSTALLATION	1	EA
2	1109156	INSULATED HEATER HOSE 1.12DIAXFT	30	FT
NS	44001004	HOSE HEATER HI TEMP .62IDXFT	30	FT
4	46004416	GROMMET 1ID .25 MATL THK	5	EA
NS	05M279200	HARNESS ROCKER SWITCH	1	EA
NS	007388322	HARNNESS JUMPER Y 2WR P&P X120	1	EA
NS	007388326	HARNNESS JUMPER Y 2WR P&P X72	1	EA
8	46023616	SWITCH ROCKER ACTUATOR ONLY AUXILIARY HEATER	1	EA
9	46023617	SWITCH ROCKER BASE ONLY SPDT ON-OFF-ON	1	EA
10	47008587	HEATER AUXILIARY 16.6K BTU 2 SPEED	1	EA
11	47008580	HOSE HEATER FORMED	2	EA
12	46021115	CLIP LARGE BODY	1	EA
NS	46021015	CLAMP SS W/CUSION 3.00ID	3	EA
NS	47008594	CLAMP HEATER HOSE 24MM	8	EA
15	007144400	BRACKET AUX HEATER AL.102X9.54X9.54	2	EA



ITEM #	PART #	DESCRIPTION	QTY.	UNIT
1	090087401	PLATE FILLER WIRING AL.102X 1.44X2.63	3	EA
2	46023605	SWITCH ROCKER FAN SPDT ON-OFF-ON	1	EA
3	46030011	FAN 2 SPEED NO SWITCH 270CFM	1	EA
4	46026380	FLASHER FOR TTL LED APPLICATIONS	1	EA
5	11007087	GROMMET .22X.625	4	EA
6	46003017	LAMP WIPE/WASH	1	EA
7	46001905	LAMP AUX S/LH+RH TURN BAR (REAR TRANSOM)	1	EA
NS	112081201	HARNESS M/BODY MKR/TURNS	1	EA
NS	007388323	HARNESS JPR Y 2WR P&P X36	1	EA
NS	007388326	HARNESS JPR Y 2WR P&P X72	1	EA
NS	007391210	HARNESS ROOF / NOSE	1	EA
NS	118084201	HARNESS COM CTR	1	EA
NS	128084201	HARNESS FUSE CTR	1	EA
NS	098084203	HARNESS INSTRUMENT PANEL	1	EA
NS	093093205	HARNESS TRANSOM CHMSL READY	1	EA
NS	132087204	HARNESS TRANSOM TO LG	1	EA
NS	090086200	HARNESS RR WRG LH BK PNL	1	EA
NS	092086205	HARNESS RR WRG RH BK PNL	1	EA
NS	88117437	HARNESS JPR TEE GNRC	2	EA
NS	093093203	HARNESS ROOF 21/24FT6IN	1	EA
NS	090093202	HARNESS JPR CRG D/LP GEN	3	EA
NS	132091202	HARNESS LMP HOOD W/SWITCH	1	EA
NS	098085201	HARNESS HOOD 2009 AL HD	1	EA
NS	090051201	HARNESS MIR HTD W/RKR SW	1	EA
NS	082091200	HARNESS PWR OPTION FROM BAT	1	EA
NS	007388300	HARNESS JPR Y 1WR P&P X6	4	EA
NS	46025591	HARNESS SPEAKR	1	EA
NS	112079204	HARNESS RADIO PNL LMP FD	1	EA
NS	122079201	HARNESS MOD RDO/MON PWR/SPKR	1	EA
NS	100081201	HARNESS A S/T/T/ W/LOOM LED	4	EA
NS	100081203	HARNESS A B/U W/LOOM LED	2	EA
NS	48200113	CABLE CAM TO MON	1	EA
NS	008300402	LABEL FUSE BLOCK	1	EA
NS	128000401	LABEL FUSE BLOCK	1	EA



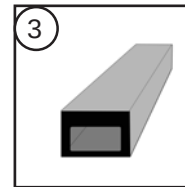
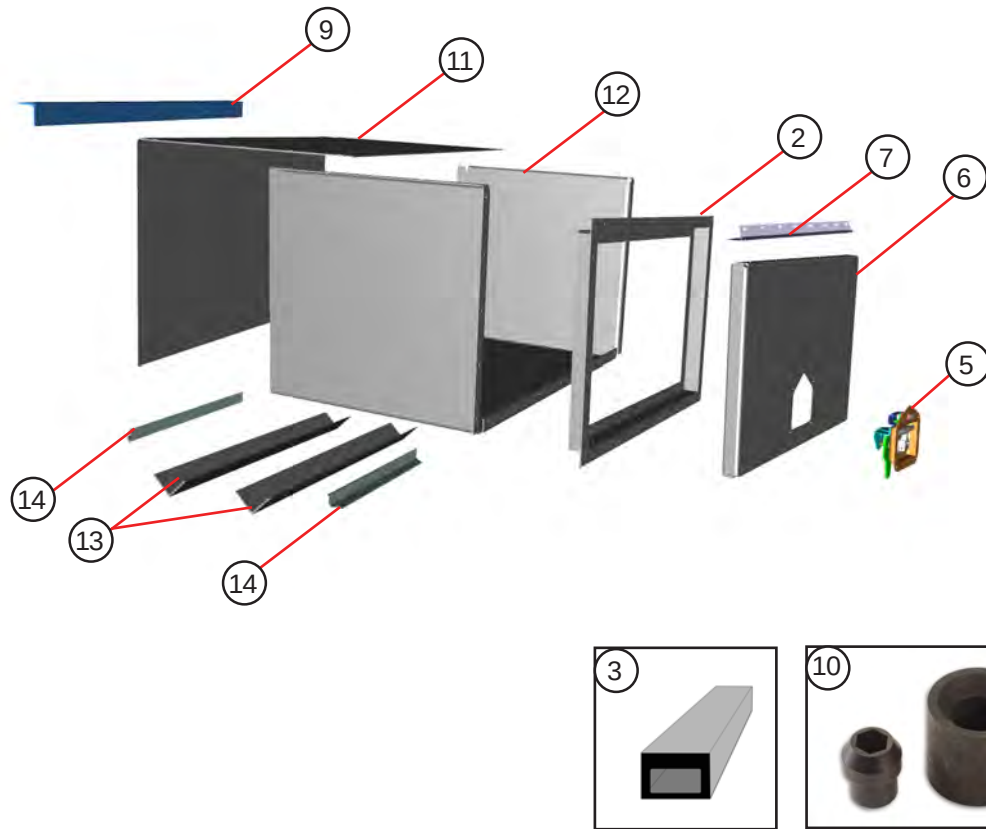
ITEM #	PART #	DESCRIPTION	QTY.	UNIT
1	46000208	HEADLAMP LED	2	EA
2	46000210	HEADLAMP BRACKET	2	EA
3	46001344	LAMP C/M LED NO PC AMB W/.180M	2	EA
4	44000052	GROMMET	1	EA
5	46025598	RADIO AM/FM/CD/WB/MON DOUBLE DIN	1	EA
6	46025590	SPEAKER 6.5 IN.	1	PR
7	46023619	SWITCH ROCKER ACTUATOR ONLY LIFTGATE	1	EA
8	46023618	SW RKR ACTR ONLY HTD MIR	1	EA
9	46023508	SWITCH ROCKER CAB DOME SPST ON-OFF	1	EA
10	46023603	SWITCH ROCKER FRONT CARGO DOME SPDT ON-ON	1	EA
11	46001365	LAMP CLEARANCE MARKER LED PC AMBER .180M BLLT	6	EA
12	46001367	LAMP CLEARANCE MARKER LED P2 RED .180M BLLT	7	EA
13	46001366	LAMP CLEARANCE MARKER LED P2 AMBER .180M BLLT	1	EA
14	46023611	SWITCH ROCKER BASE ONLY SPDT ON-ON	4	EA
15	46027653	LAMP P/T LED FRONT AMBER	2	EA
16	46004443	GROMMET ROUND BLACK 4IN LAMP	6	EA
17	46002266	LAMP REAR COMBO LED (46004443 - GROMMET ROUND 4")	4	EA
18	46001447	LAMP BACK UP LED (46004443 - GROMMET ROUND 4")	2	EA
19	46002638	LAMP DOME RECESSED LED	1	EA
19	46002636	LAMP DOME RECESSED LED	1	EA
20	47009110	SWITCH TILT HOOD COURTESY LAMPS	1	EA
21	46003823	LAMP COURTESY (UNDER HOOD) / (MTG. BRACKET 122091400)	2	EA
NS	110092002	ALARM BACK UP CHASSIS SUPPLIED	1	EA
NS	46023611	SWITCH ROCKER BASE ONLY SPDT ON-ON	2	EA
NS	46023619	SWITCH ROCKER ACTUATOR ONLY - LIFT GATE	1	EA
NS	46023618	SWITCH ROCKER ACTUATOR ONLY - HEATED MIRRORS	1	EA
NS	46022203	CIRCUIT BREAKER 150A BUSS @BAT BOX LIFT GATE CTRL	1	EA



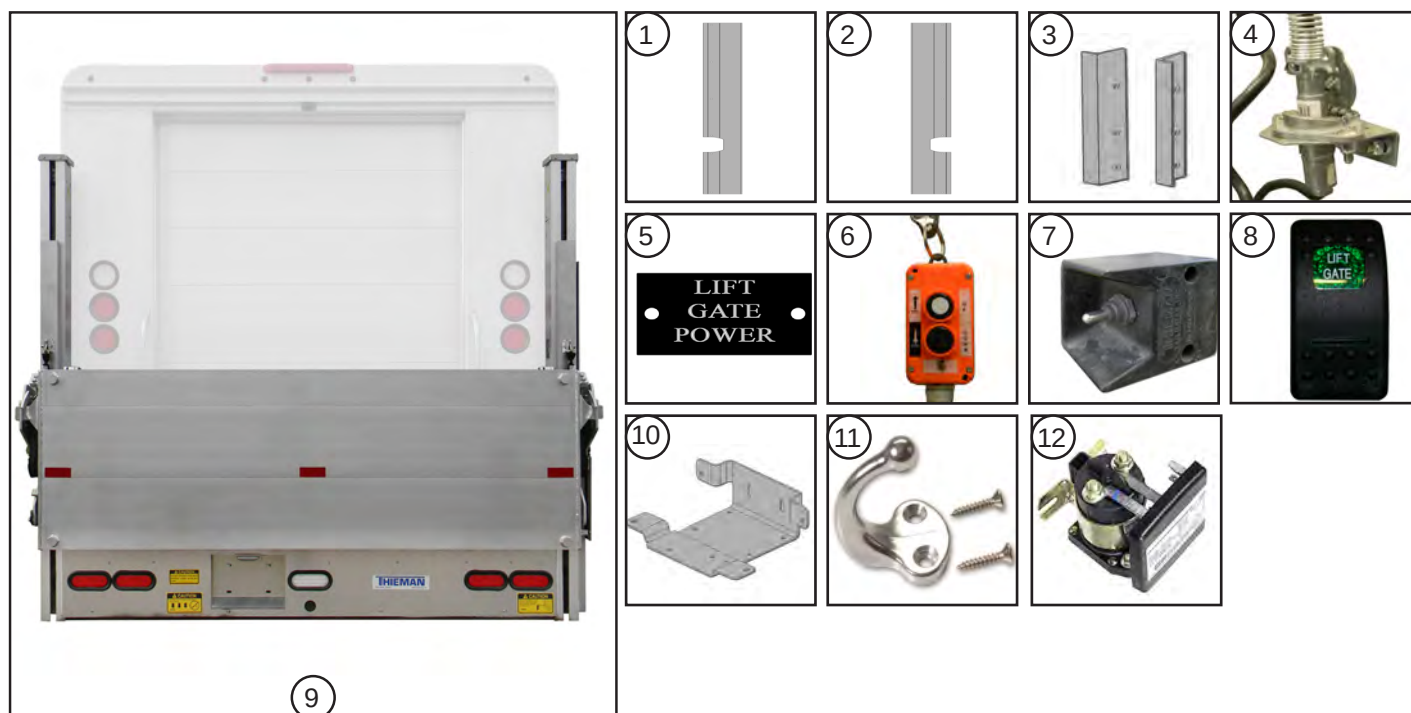
ITEM #	PART #	DESCRIPTION	QTY.	UNIT
1	45800102	WINDOW SLIDING SASH ANZ FRM LH	1	EA
2	45800103	WINDOW SLIDING SASH ANZ FRM RH	1	EA
3	42007007	CUP HLDR FOLDDOWN	1	EA
4	47009626	CENTER CONSOLE CUP HOLDER	1	EA
5	47009574	FIRST AID KIT - 10 PERSON	1	EA
6	137024400	SHIELD SPLASH BATTERY 45200014X12X52	1	EA
7	47001063	GRAB HANDLE 1" AL 31.875L 2.75DP ANZ	5	EA
8	80795401	MUD FLAPS BLACK NO LOGO 20X24	1	PR
9	7504428	RETAINER MUD FLAPS	2	EA
10	80795014	ANGLE RETAINER MUD FLAPS	2	EA
11	46025017	REFLECTOR RED SPITFIRE 2.88 DIA. X4	1	EA
12	46025018	REFLECTOR AMBER SPITFIRE 2.88 DIA. X2	1	EA
13	47009622	FIRE EXTINGUISHER 5LB.	1	EA
14	92106300	GUARD LAMP AL .07X11.2X32.94 (REAR - T/T/B/U)	2	EA
NS	95801001	TIE DOWN PACKAGE GNRC	1	EA
15	78331095	PLATE TIE DOWN	23	EA
16	97650306	ANGLE TIE DOWN	1	EA
17	47009547	REFLECTOR KIT - TRIANGLES	1	EA
18	47009548	BRACKET REFLECTOR FLARE KIT	1	EA
19	47001192	HANDLE REAR CHROME RUD W/O CYCLINDER	1	EA
20	47000690	HANDLE SIDE CHROME W/O CYCLINDER	2	EA
21	47001181	CYLINDER REMOVABLE	3	EA
NS	48200113	CABLE CAMERA TO MONITOR	1	EA



ITEM #	PART #	DESCRIPTION	QTY.	UNIT
1	098137405	PLATE STEP FBG .125X9.1X17	1	EA
2	098137406	PLATE STEP FBG .125X10X16	1	EA
3	47001001	CHANNEL NUT 3/8-16 W/SPRG 1-1/4"	95	EA
4	1107109	GROMMET	1	EA
5	47009988	CHANNEL NUT 1/4-20 W/SPRG 1-1/4"	114	EA
6	47009283	SHELF 30" WORK STATION	1	EA
7	42007007	CUP HOLDER FOLDDOWN	1	EA
8	47001050	RAIL GRAB IN	1	EA
9	098137402	PLATE STEP OVERLAY FBG .125X8.5X24.1	1	EA
10	45400509	PLATE STEP OVERLAY FBG .125X10.38X22	1	EA
11	46004443	GROMMET REAR LIGHTS	6	EA
12	47106596	SEAL BRUSH SIDE 1.0" / SEAL BRUSH HEADER 47106599 1.5"	2	EA
13	112017426	BRACKET MOUNTING CTSY LAMP SWITCH	1	EA
14	47005504	SUNVISOR	2	EA
15	1113430	DOCUMENT POUCH	1	EA
16	100092401	BRACKET DOME LAMP	1	EA
17	11007087	GROMMET (HEATED MIRRIRS)	2	EA
18	43004362	BAG PLASTIC DOC WALK-IN	1	EA
19	46025559	ANTENNA TP/SI	1	EA
20	48200141	CAMERA BACK UP CLR BULLET (BRACKET 146079401)	1	EA
21	098028401	INSULATION E/BX42002056X13.55X28.25	1	EA
22	098005404	INSULATION E/BX42002056X14.28X31.29	1	EA
23	098005405	INSULATION E/BX42002056X15.09X33.05	1	EA
24	098005406	INSULATION E/BX42002056X21.25X30.59	1	EA
25	098005407	INSULATION E/BX42002056X19.58X30.72	1	EA
NS	093116410	INSULATION DASH WALL BTRLAX3-2A	1	EA



ITEM #	PART #	DESCRIPTION	QTY.	UNIT
1	148009000	BAT/BOX AUX INSTALLATION	1	EA
2	130009204	DOOR ASSEMBLY BAT/BOX	1	EA
3	44004079	SEAL RUBBER "D" .25 X .375	7	FT
4	130009203	BATTERY BOX OUTER FRAME ASSEMBLY	1	EA
5	47001498	HANDLE T BLACK W/LK RH	1	EA
6	130009415	DOOR BAT/BOX AL.125X17.63X24.63	1	EA
7	130009414	HINGE STAINLESS 47007794X21	1	EA
8	138009200	BAT/BOX AUX ASSEMBLY	1	EA
9	138009401	ANGLE SUPPORT BAT/BOX AL45018X29	1	EA
10	47000921	HOLD BACK DOOR	1	EA
11	134024401	WRPR BAT BX AL.102X27.88X33.17	1	EA
12	138009400	WRPR COMPT AL.102X17.96X59.32	1	EA
13	124024409	SUPPORT ANGLE AL450523X25.5	2	EA
14	138009401	ANGLE SUPPORT BAT/BOX AL45018X29	2	EA

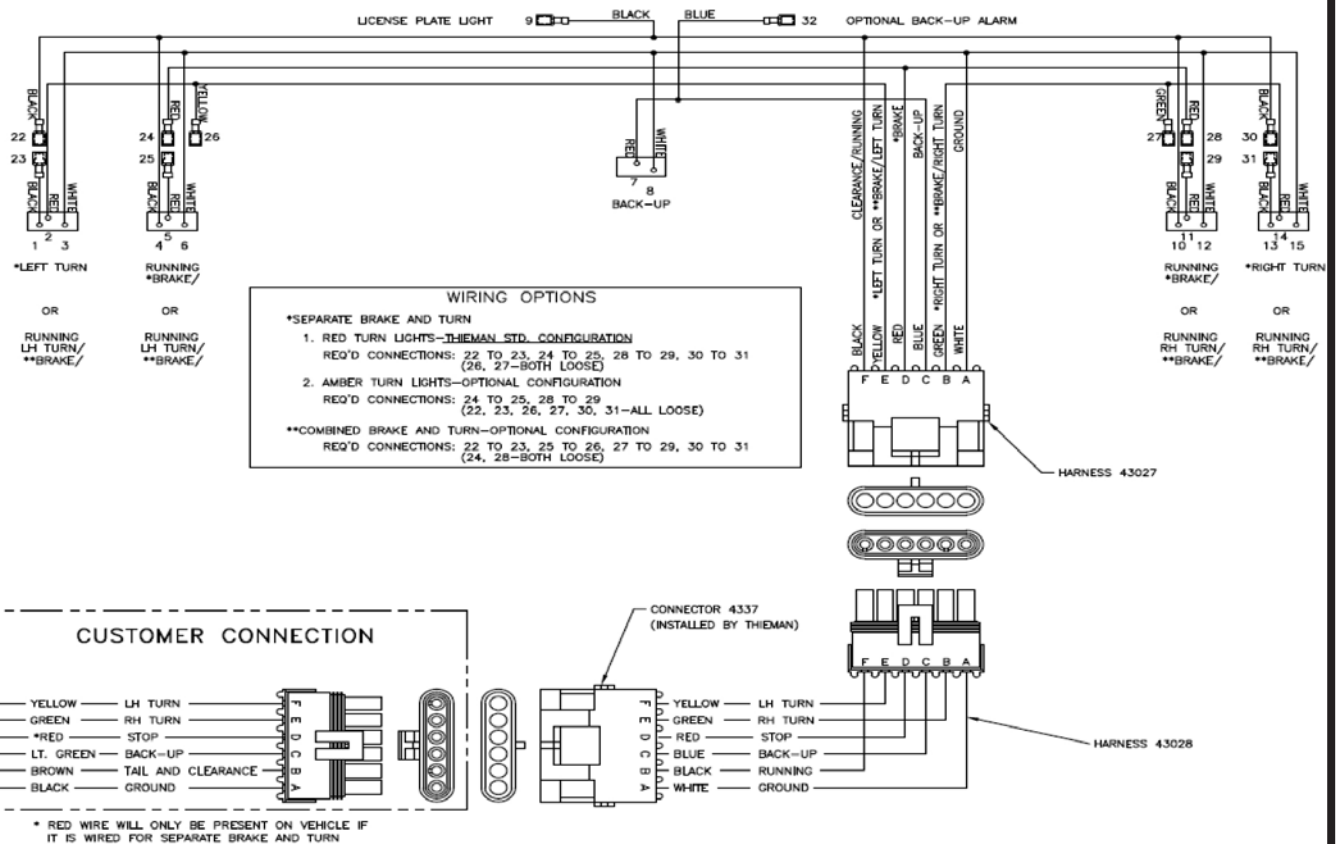
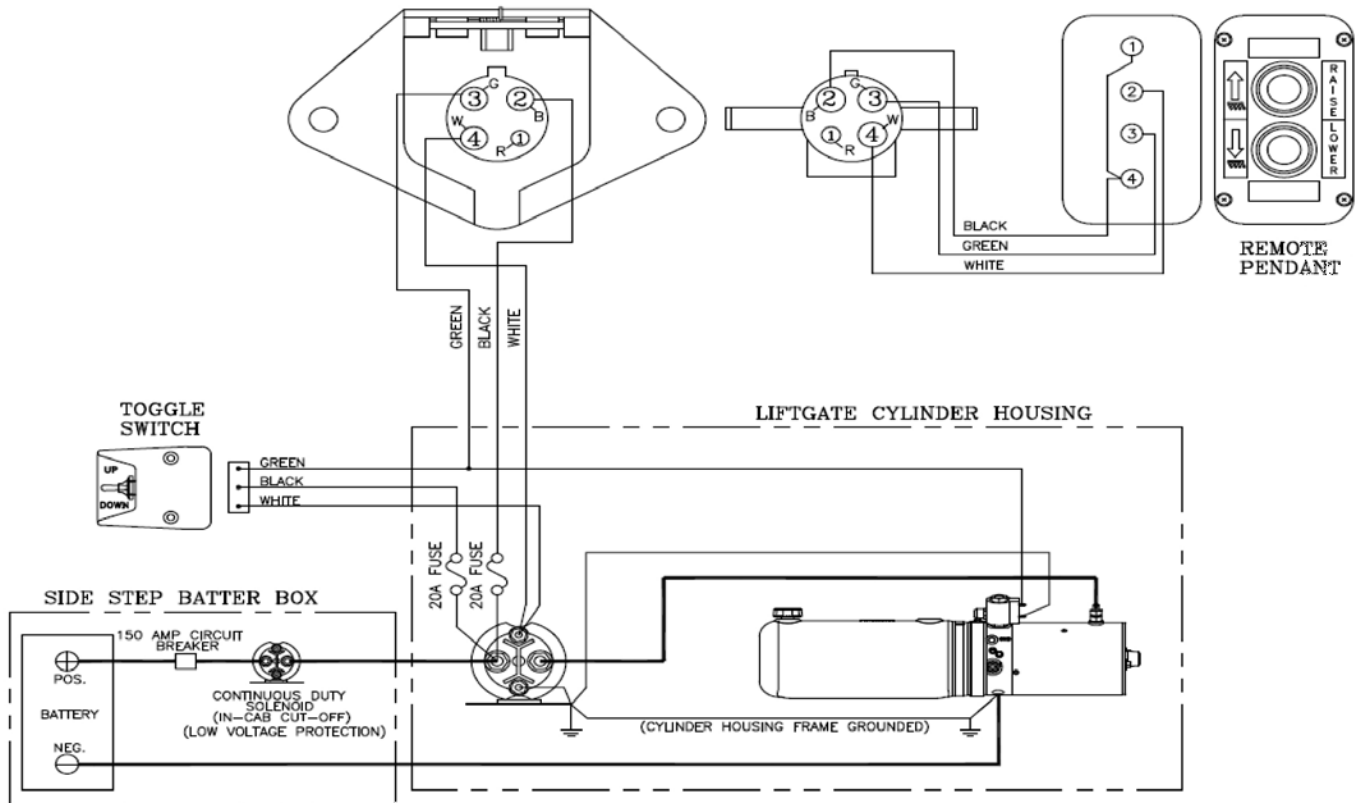


* Weld on and bolt on liftgates are not interchangeable.
If adding a Lift Gate, back modifications may be needed.
Please call and we will be happy to assist you.

ITEM #	PART #	DESCRIPTION	QTY.	UNIT
1	092050412	MOUNTING BRACKET ROADSIDE	1	EA
2	092050413	MOUNTING BRACKET CURBSIDE	1	EA
3	092050404	ANGLE LOWER MOUNTING LH (092050405 RH)	1	EA
4	46013413	BRACKET MOUNTING TRAILER RECEPTACLE 78 CIRC	1	EA
5	45200252	LABEL PLASTIC LIFT GATE POWER	1	EA
6	Call w/ S/N	HAND-HELD CONTROLER	1	EA
7		SWITCH TOGGLE UP/DOWN	1	EA
8	46023619	SWITCH ROCKER ACTUATOR ONLY LIFT GATE	1	EA
NS	46023611	SWITCH ROCKER BASE ONLY SPDT ON-ON (SEE PG30 ITEM9)	1	EA
9	47005314	LIFT GATE BOLT-ON AL 90X(30+18)X6	1	EA
10	122092401	BRACKET MOUNTING CTR AL.102X8.02X10.07	1	EA
11	1113494	COAT HOOK AL (BRACKET 98R831003)	1	EA
12	46027578	BATTERY SEPARATOR MODULE 200A (WIRING DIAGRAM PG37)	1	EA
NS	102084201	HARNESS ROCKER SWITCH JUMPER FOR OPT	1	EA
NS	122092203	HARNESS LIFT GATE CONTROL MODULE	1	EA
NS	122088203	HARNESS BATTERY POS-2GA BREAKER 108"	1	EA
NS	122088206	HARNESS BATTERY POS JUMPER 24"	1	EA
NS	88117517	HARNESS JUMPER BATTERY SEP TO IGN	1	EA
NS	122088206	HARNESS BATTERY POS JUMPER 24"	1	EA
NS	88117501	HARNNESS JUMPER 3CIRC 5' (60")	1	EA
NS	132088201	HARNESS BATTERY NEG 2GA 24"	1	EA

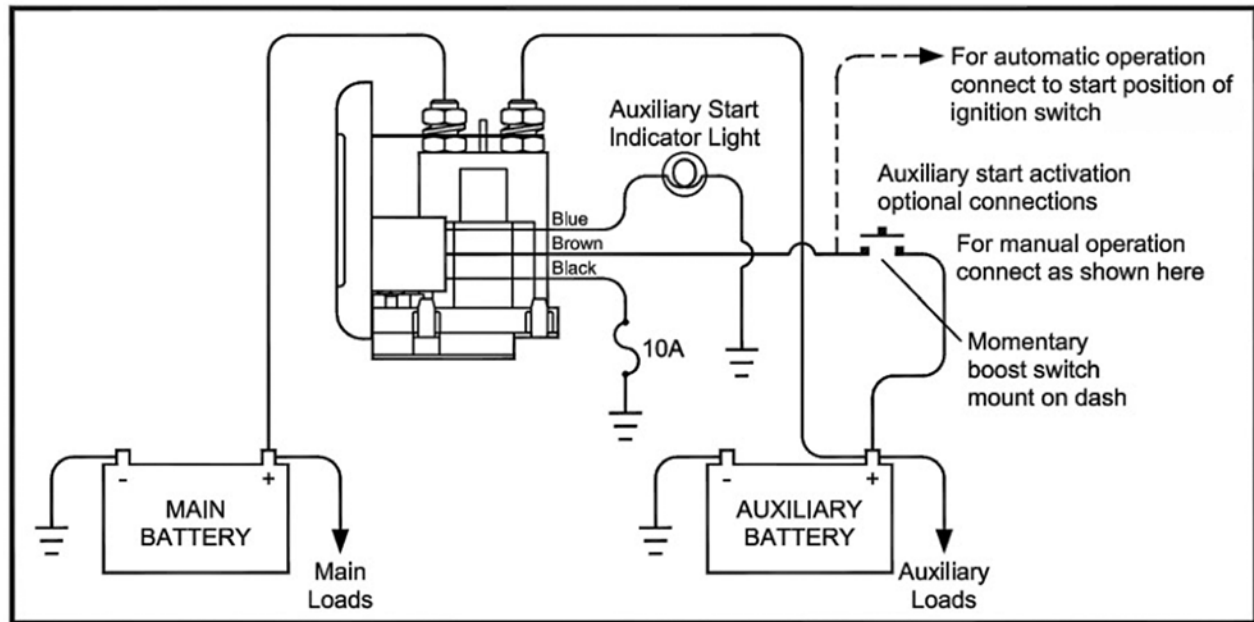
GRAVITY DOWN ELECTRIC CONTROL

(G&K SERVICES TOGGLE AND REMOTE PENDANT-AS SHIPPED FROM THIEMAN)



* RED WIRE WILL ONLY BE PRESENT ON VEHICLE IF IT IS WIRED FOR SEPARATE BRAKE AND TURN

BATTERY SEPARATOR INSTALLATION INSTRUCTIONS



007391210
ROOF TO NOSE



88117437
JUMPER T GENERIC



48200113
CAMERA TO MONITOR

REV	DESCRIPTION	BY	REL. NO.
	RELEASE TO PRODUCTION	CHK.	DATE

PROPRIETARY

This drawing and the information and data contained hereon constitutes valuable proprietary trade secret information of Morgan Olson Corp. and may not be used, duplicated or further disclosed or disseminated for any purpose other than that purpose for which it was originally provided, without the prior written consent of Morgan Olson Corp.



GENERAL STANDARDS UNLESS OTHERWISE NOTED:

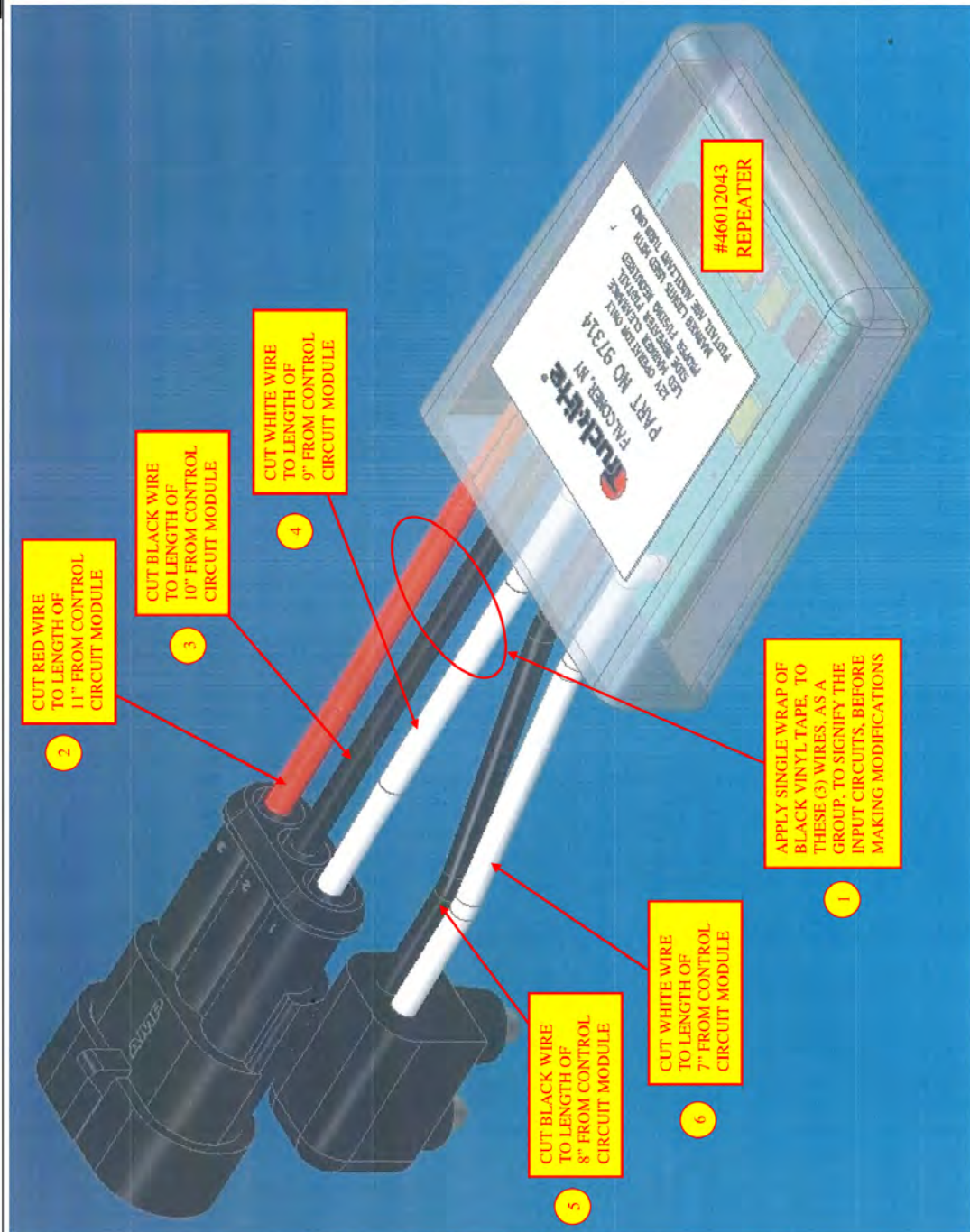
1. TOLERANCE: .X ± .060 .XX ± .030 .XXX ± .010
2. ANGLES: .X ± .5 DEGREES
3. BREAK ALL EXPOSED SHARP EDGES AND DEBURR.
4. FOR FLAT PATTERNS ALL INSIDE CORNERS MUST BE WITH .188" R.
5. FOR FLAT PATTERNS ALL OUTSIDE CORNERS MAY BE ROUNDED UP TO .188" R TO FACILITATE PRODUCTION.

DRAWN	DFW	CHECKED	RELEASE NO.
DATE	07AUG11	DATE	07AUG11
DO NOT SCALE			
NAME			

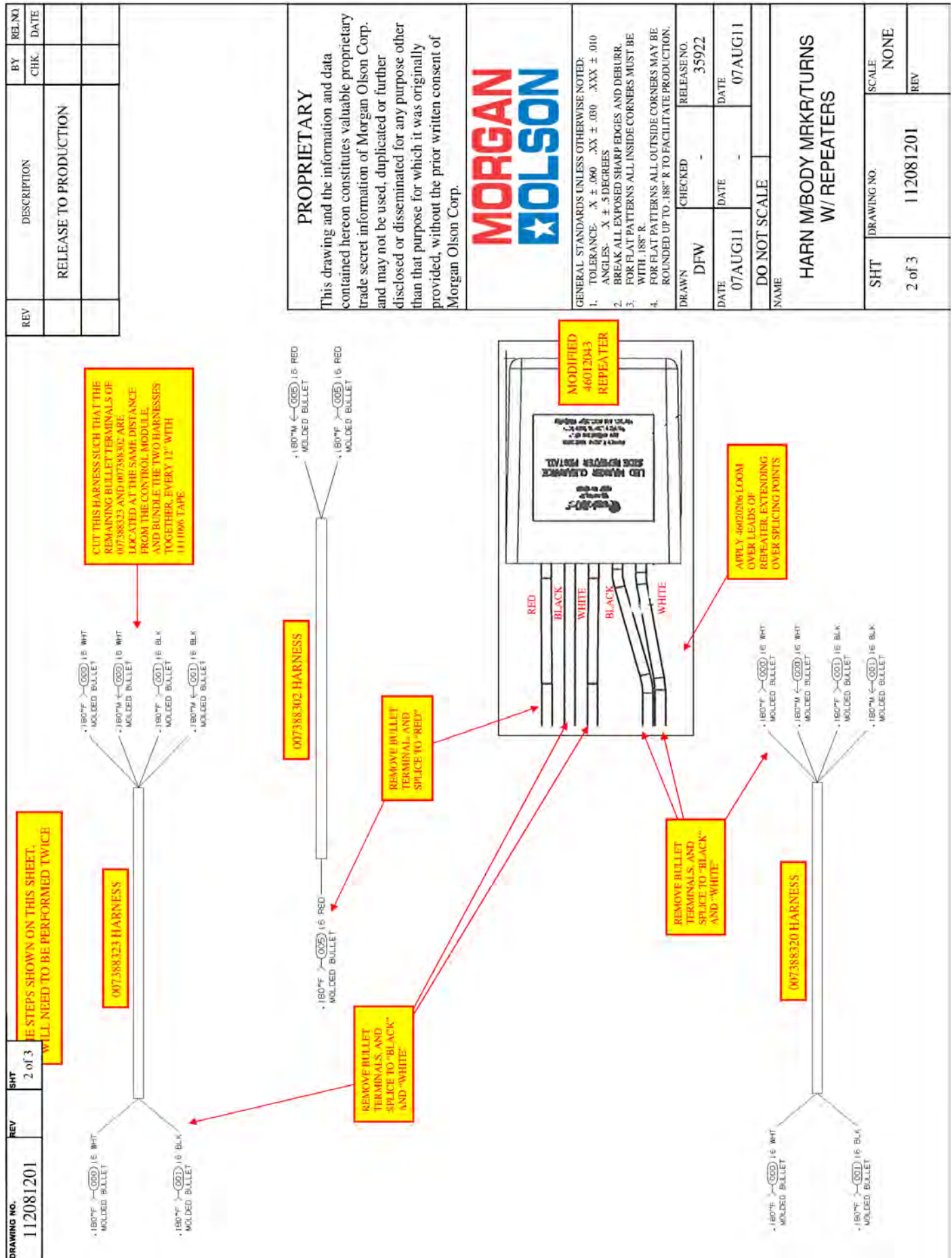
HARN M/BODY MRKR/TURNS
W/ REPEATERS

SHT	DRAWING NO.	SCALE
1 of 3	112081201	NONE
		REV

THE STEPS SHOWN ON THIS SHEET,
WILL NEED TO BE PERFORMED TWICE



DRAWING NO.	REV	SHT
112081201		1 of 3



PROPRIETARY

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GENERAL STANDARDS UNLESS OTHERWISE NOTED:

1. TOLERANCE: .X ± .000 .XX ± .000 .XXX ± .010
2. ANGLES: X ± 5 DEGREES
3. BREAK ALL EXPOSED SHARP EDGES AND DEBURR.
4. FOR FLAT PATTERNS ALL INSIDE CORNERS MUST BE WITH .188" R.
5. FOR FLAT PATTERNS ALL OUTSIDE CORNERS MAY BE ROUNDED UP TO .188" R TO FACILITATE PRODUCTION.

DRAWN: DFV
CHECKED: -
RELEASE NO: 35922

DATE: 07AUG11
DATE: 07AUG11

DO NOT SCALE
NAME: -

HARN M/BODY MRKR/TURNS
W/ REPEATERS

SHT: 2 of 3
DRAWING NO: 112081201
SCALE: NONE
REV: -

REV	DESCRIPTION	BY	REL NO
	RELEASE TO PRODUCTION	CHK	DATE

DRAWING NO.	REV	SHT
112081201		3 of 3

ASSEMBLE THE TWO PREVIOUSLY FABRICATED HARNESSES, ALONG WITH THE OTHER LISTED ITEMS AS SHOWN BELOW

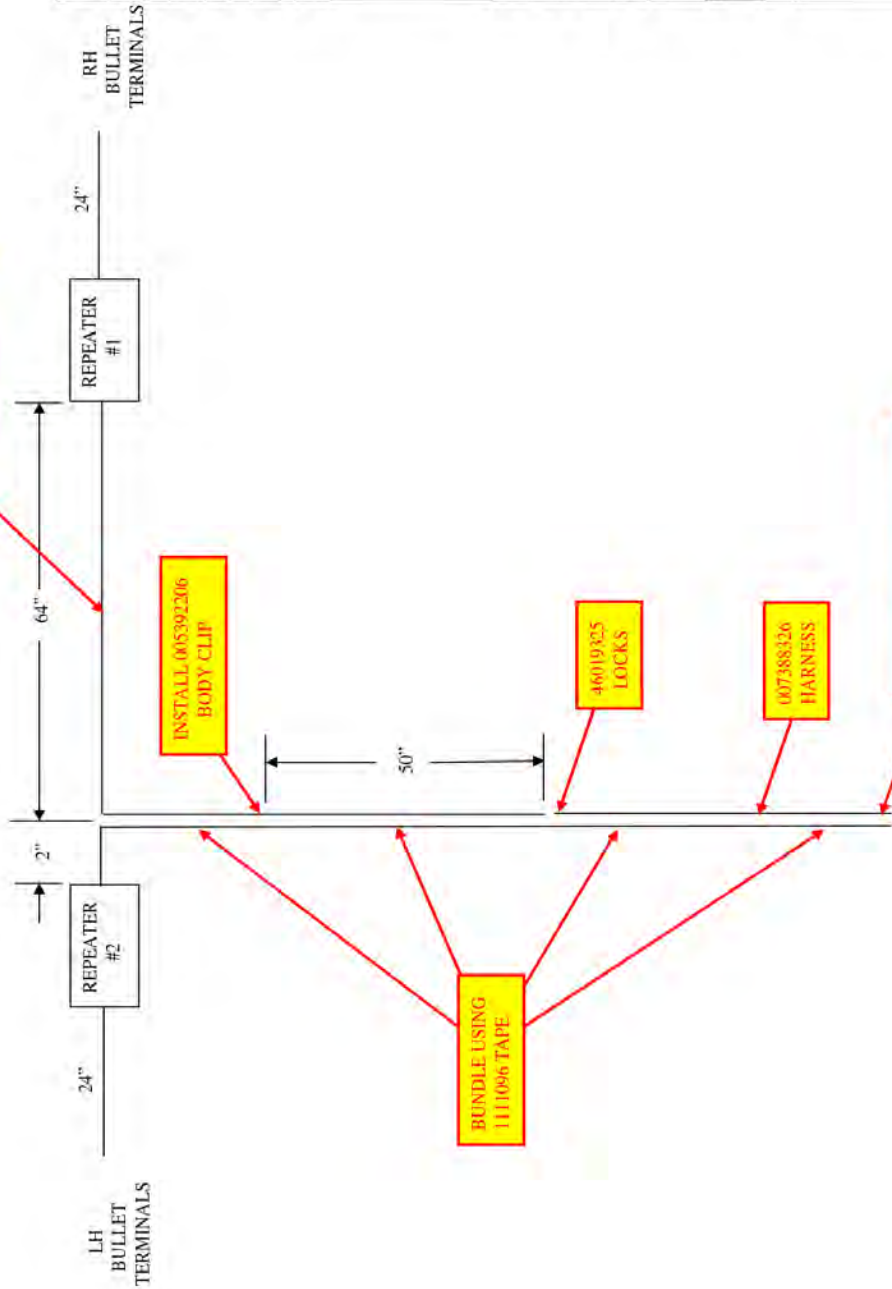
APPLY SINGLE WRAP OF 42005012 YELLOW TAPE 33" FROM REPEATER #1 TO MARK CENTER OF HOOD

INSTALL 005392206 BODY CLIP

46019325 LOCKS

007388326 HARNESS

APPLY SINGLE WRAP OF 42005012 YELLOW TAPE AT END OF 007388326 TO MARK RH MRKR/TURN LAMP



PROPRIETARY

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GENERAL STANDARDS UNLESS OTHERWISE NOTED:

1. TOLERANCE- .X ± .060 .XX ± .030 .XXX ± .010
2. ANGLES- .X ± .5 DEGREES
3. BREAK ALL EXPOSED SHARP EDGES AND DEBURR.
4. FOR FLAT PATTERNS ALL INSIDE CORNERS MUST BE WITH .188" R.
5. FOR FLAT PATTERNS ALL OUTSIDE CORNERS MAY BE ROUNDED UP TO .188" R TO FACILITATE PRODUCTION.

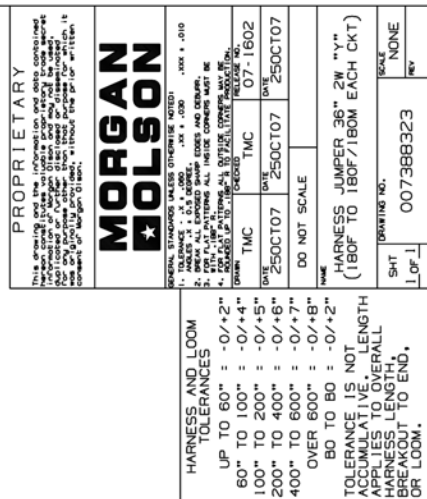
DRAWN: DFW
DATE: 07AUG11
CHECKED: -
DATE: -
RELEASE NO: 35922

DO NOT SCALE
NAME: -
DATE: 07AUG11

HARN M/BODY MRKR/TURNS
W/ REPEATERS

SHT	DRAWING NO.	SCALE
3 of 3	112081201	NONE
		REV

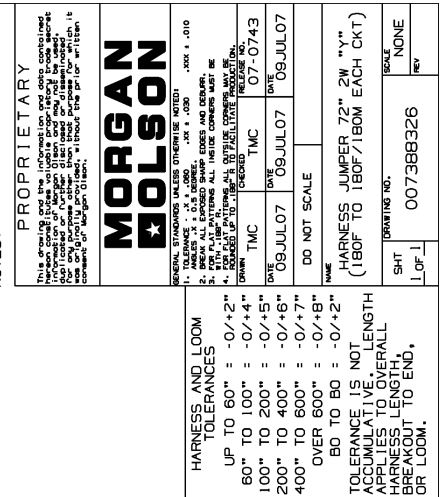
CIRCUIT	DESCRIPTION	END POINTS	FUNCTION
000	16 WHT	A1,B1,B2	GROUND
001	16 BLK	A2,B3,B4	POWER



FIRST USE:
SIDE MARKER
INSTALLATION

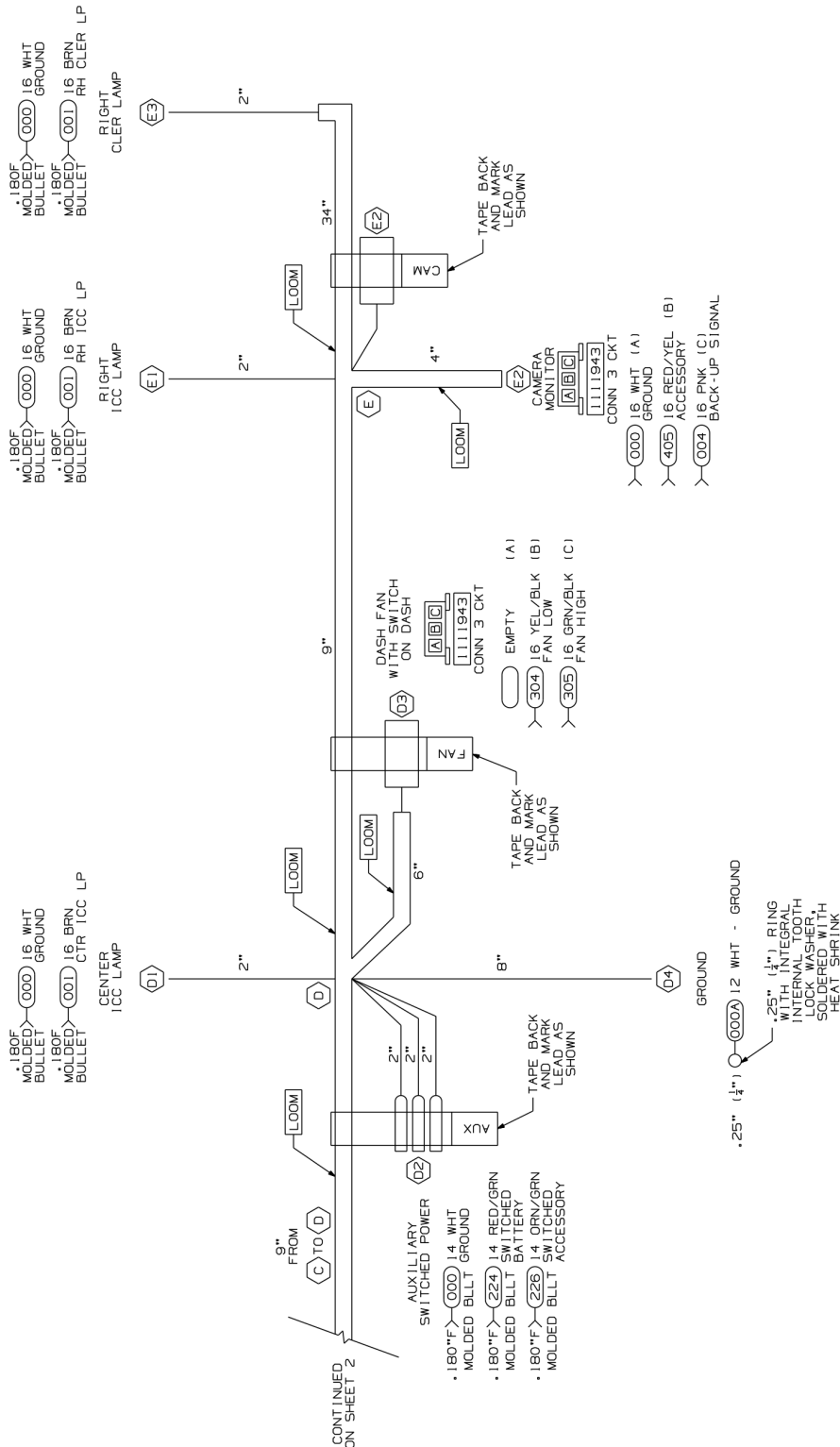
BASED ON:
007388322

CIRCUIT	DESCRIPTION	END POINTS	FUNCTION
000	16 WHT	A1,B1,B2	GROUND
001	16 BLK	A2,B3,B4	POWER



HARNESSES AND LOOM TOLERANCES		TMC		TMC		DATE		07-07-07		07-07-07		07-07-07	
UP TO 60" = -0/+2"		60" TO 100" = -0/+4"		100" TO 200" = -0/+5"		200" TO 400" = -0/+6"		400" TO 600" = -0/+7"		OVER 600" = -0/+8"		BO TO BO = -0/+2"	
TOLERANCE IS NOT ACCUMULATIVE. LENGTH APPLIES TO OVERALL BREAKOUT TO END, OR LOOM.		HARNESSES JUMPER 72" 2W "Y" (180" TO 180"/180M EACH CKT)		DO NOT SCALE		TMC		DATE		07-07-07		07-07-07	
SHT		DRAWING NO.		SCALE		REV		NONE		NONE		REV	
1 OF 1		007388326											

DRAWING NO.		REV	SHT
007391210		A	1 of 2
REV.	DESCRIPTION	BY	DATE
	RELEASE FOR PRODUCTION	CHK.	
A	REDRAWN & REVISED	DFW	07/14/10



- VENDOR TO GREASE FEMALE BULLET TERMINALS.
- THIS IS A PURCHASED HARNESS. NO BILL OF MATERIAL EXISTS.
- VENDOR MAY REPLACE WITH HARNESS TO APPROVED MULTIMETER OR CONNECTORS. PIGTAILS SHOWN IN TERMINAL VIEW.
- HARNESS TO BE TESTED FOR CONTINUITY, SHORTS, AND OPEN CIRCUITS.
- CONNECTORS SHOWN FROM WIRE ENTRY SIDE, UNLESS OTHERWISE NOTED.
- SPLICES TO BE AUTOMATED WITH SOLDER, AND ADHESIVE LINED HEAT SHRINK TUBING.
- TAPE [1111098]: 6" AT BREAKOUTS, 2" AT 18" INTERVALS FOR UNINTERRUPTED LOOM LENGTHS GREATER THAN 24", AND 2" AT LOOM ENDS.
- HARNESS TO HAVE A LABEL SHOWING MORGAN OLSON PART NUMBER, REVISION NUMBER, AND DATE OF MANUFACTURE.
- SPLIT POLY LOOM UNLESS OTHERWISE NOTED.
- GXL WIRE.

NOTES:

PROPRIETARY
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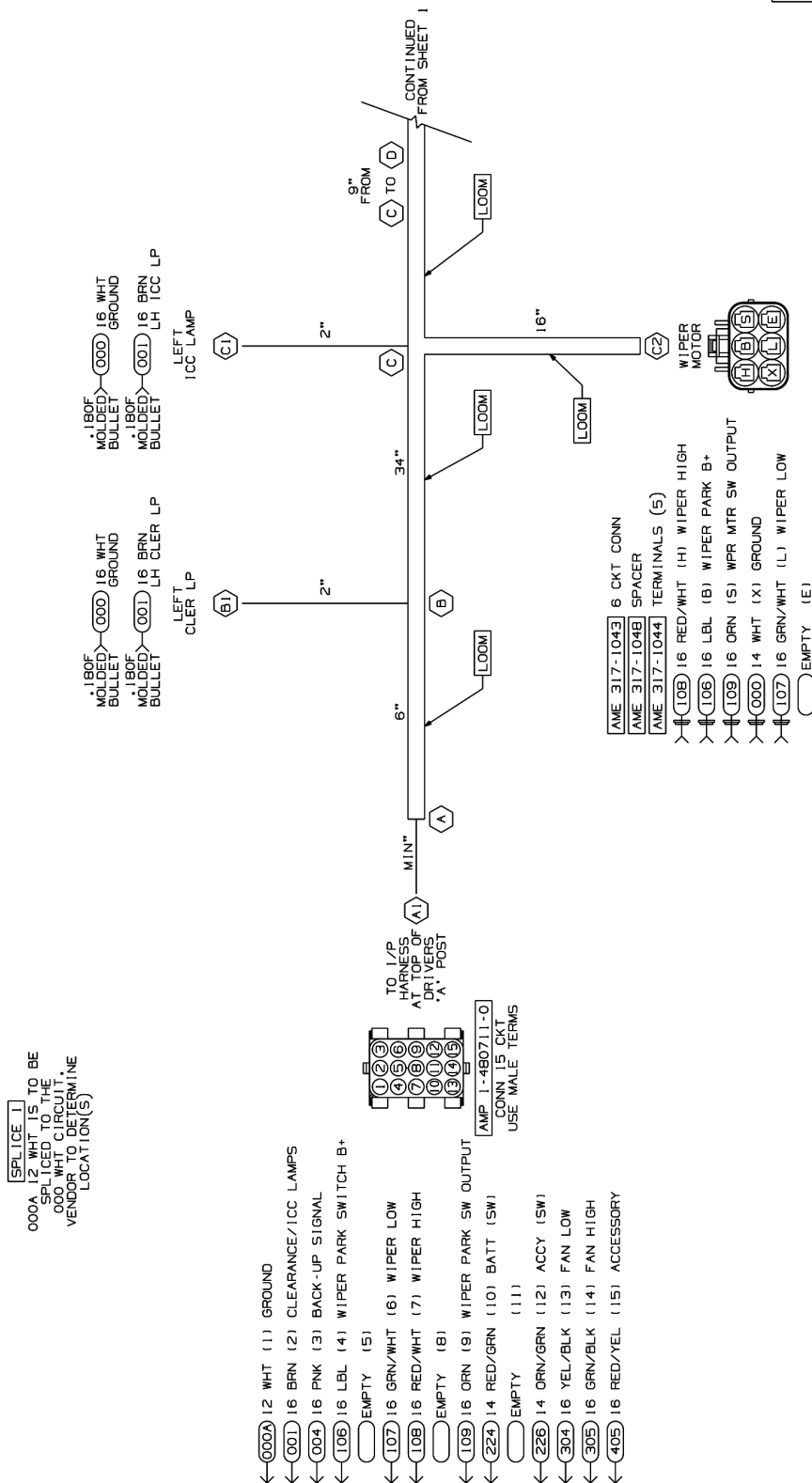


GENERAL STANDARD UNLESS OTHERWISE NOTED:	
1. DIMENSIONS - .XX ± .001	2. DIMENSIONS - .XX ± .001
3. DIMENSIONS - .XX ± .001	4. DIMENSIONS - .XX ± .001
5. DIMENSIONS - .XX ± .001	6. DIMENSIONS - .XX ± .001
7. DIMENSIONS - .XX ± .001	8. DIMENSIONS - .XX ± .001
9. DIMENSIONS - .XX ± .001	10. DIMENSIONS - .XX ± .001
11. DIMENSIONS - .XX ± .001	12. DIMENSIONS - .XX ± .001
13. DIMENSIONS - .XX ± .001	14. DIMENSIONS - .XX ± .001
15. DIMENSIONS - .XX ± .001	16. DIMENSIONS - .XX ± .001
17. DIMENSIONS - .XX ± .001	18. DIMENSIONS - .XX ± .001
19. DIMENSIONS - .XX ± .001	20. DIMENSIONS - .XX ± .001
21. DIMENSIONS - .XX ± .001	22. DIMENSIONS - .XX ± .001
23. DIMENSIONS - .XX ± .001	24. DIMENSIONS - .XX ± .001
25. DIMENSIONS - .XX ± .001	26. DIMENSIONS - .XX ± .001
27. DIMENSIONS - .XX ± .001	28. DIMENSIONS - .XX ± .001
29. DIMENSIONS - .XX ± .001	30. DIMENSIONS - .XX ± .001
31. DIMENSIONS - .XX ± .001	32. DIMENSIONS - .XX ± .001
33. DIMENSIONS - .XX ± .001	34. DIMENSIONS - .XX ± .001
35. DIMENSIONS - .XX ± .001	36. DIMENSIONS - .XX ± .001
37. DIMENSIONS - .XX ± .001	38. DIMENSIONS - .XX ± .001
39. DIMENSIONS - .XX ± .001	40. DIMENSIONS - .XX ± .001
41. DIMENSIONS - .XX ± .001	42. DIMENSIONS - .XX ± .001
43. DIMENSIONS - .XX ± .001	44. DIMENSIONS - .XX ± .001
45. DIMENSIONS - .XX ± .001	46. DIMENSIONS - .XX ± .001
47. DIMENSIONS - .XX ± .001	48. DIMENSIONS - .XX ± .001
49. DIMENSIONS - .XX ± .001	50. DIMENSIONS - .XX ± .001
51. DIMENSIONS - .XX ± .001	52. DIMENSIONS - .XX ± .001
53. DIMENSIONS - .XX ± .001	54. DIMENSIONS - .XX ± .001
55. DIMENSIONS - .XX ± .001	56. DIMENSIONS - .XX ± .001
57. DIMENSIONS - .XX ± .001	58. DIMENSIONS - .XX ± .001
59. DIMENSIONS - .XX ± .001	60. DIMENSIONS - .XX ± .001
61. DIMENSIONS - .XX ± .001	62. DIMENSIONS - .XX ± .001
63. DIMENSIONS - .XX ± .001	64. DIMENSIONS - .XX ± .001
65. DIMENSIONS - .XX ± .001	66. DIMENSIONS - .XX ± .001
67. DIMENSIONS - .XX ± .001	68. DIMENSIONS - .XX ± .001
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71. DIMENSIONS - .XX ± .001	72. DIMENSIONS - .XX ± .001
73. DIMENSIONS - .XX ± .001	74. DIMENSIONS - .XX ± .001
75. DIMENSIONS - .XX ± .001	76. DIMENSIONS - .XX ± .001
77. DIMENSIONS - .XX ± .001	78. DIMENSIONS - .XX ± .001
79. DIMENSIONS - .XX ± .001	80. DIMENSIONS - .XX ± .001
81. DIMENSIONS - .XX ± .001	82. DIMENSIONS - .XX ± .001
83. DIMENSIONS - .XX ± .001	84. DIMENSIONS - .XX ± .001
85. DIMENSIONS - .XX ± .001	86. DIMENSIONS - .XX ± .001
87. DIMENSIONS - .XX ± .001	88. DIMENSIONS - .XX ± .001
89. DIMENSIONS - .XX ± .001	90. DIMENSIONS - .XX ± .001
91. DIMENSIONS - .XX ± .001	92. DIMENSIONS - .XX ± .001
93. DIMENSIONS - .XX ± .001	94. DIMENSIONS - .XX ± .001
95. DIMENSIONS - .XX ± .001	96. DIMENSIONS - .XX ± .001
97. DIMENSIONS - .XX ± .001	98. DIMENSIONS - .XX ± .001
99. DIMENSIONS - .XX ± .001	100. DIMENSIONS - .XX ± .001

HARNESS AND LOOM TOLERANCES	
UP TO 60"	± 0.12"
60" TO 100"	± 0.14"
100" TO 200"	± 0.15"
200" TO 400"	± 0.16"
400" TO 600"	± 0.17"
OVER 600"	± 0.18"
BO TO BO	± 0.12"
LENGTHS APPLY FROM BREAKOUT TO BREAKOUT, OR BREAKOUT TO WIRE ENTRY SIDE OF CONNECTOR, OR END OF COVER.	

BASED ON 005391200

GA/COLOR	END POINTS	FUNCTION
000A	12 WHT	GROUND
000B	14/16 WHT	A1,D4,SP.LICE 1
001	16 BRN	B1,C1,C2,D1,D2,E1,E2,E3,SP.LICE 1
004	16 PNK	A1,B1,C1,D1,E1,E3
106	16 LBL	A1,E2
107	16 GRN/WHT	A1,C2
108	16 RED/WHT	A1,C2
		CLEARANCE/ICC LPS
		BACK-UP SIGNAL
		WIPER PARK SWITCH B+
		WIPER LOW
		WIPER HIGH



PROPRIETARY



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GENERAL STANDARDS UNLESS OTHERWISE NOTED!

- GENERAL STANDARDS UNLESS OTHERWISE NOTED!
- | | | | | |
|----|--|----|--------------|--|
| 1. | TOLERANCE | .X | ± .060 | |
| | ANGLES | X | ± 0.5 DEGREE | |
| 2. | BREAK ALL EXPOSED SHARP EDGES AND DENDR. | | | |
| 3. | FOR FLAT PATTERNS ALL INSIDE CORNERS MUST BE ROUNDED UP TO .188" | | | |
| 4. | FOR FLAT PATTERNS ALL OUTSIDE CORNERS MAY BE ROUNDED UP TO .188" TO FACILITATE PRODUCTION. | | | |
- .XXX ± .010
.XX ± .030

DATE	07-18-52	DATE	07-18-52
TIME	08:00	TIME	08:00
DRIVER	W. J. HARRIS	DRIVER	W. J. HARRIS
TRUCK NO.	2008 SEED TRUCK	TRUCK NO.	2008 SEED TRUCK
SCALE	2008 SEED TRUCK	SCALE	2008 SEED TRUCK
REV	2008 SEED TRUCK	REV	2008 SEED TRUCK
DATE	07-18-52	DATE	07-18-52
TIME	08:00	TIME	08:00
DRIVER	W. J. HARRIS	DRIVER	W. J. HARRIS
TRUCK NO.	2008 SEED TRUCK	TRUCK NO.	2008 SEED TRUCK
SCALE	2008 SEED TRUCK	SCALE	2008 SEED TRUCK
REV	2008 SEED TRUCK	REV	2008 SEED TRUCK





DRAWING NO.	REV	SHT
118084201		3 of 3
DESCRIPTION	BY	ECO NO.
RELEASE FOR PRODUCTION	CHK.	DATE

CIRCUIT	DESCRIPTION	END POINTS	FUNCTION
000	16 WHT	E1,F2,F3,G2,SPLICE1	GROUND
000A	12 WHT	A1,A2,E3,F1,G1,SPLICE1	GROUND
001	16 BRN	A1,A2,F1	CLER/ICC LAMPS
002	16 GRN	A2,F1	RIGHT HAND TURN LAMP
003	16 YEL	A2,F1	LEFT HAND TURN LAMP
004	16 PNK	A1,A2,F1	BACK-UP LP SIGNAL
005	16 RED	A2,F1	STOP ONLY LAMP
006	16 TAN	A2,G2	CAB DOME LAMP
007	14 ORN	A2,G2	LOAD DOME LAMP(S)
008	16 BLU	F2,G1,G3	DASH ILLUM
009	12 RED	C1,G1	BATTERY-DOME LAMP RELAY FEED
090	16 BLU/WHI	A2,G1	LOAD DM 3W SW
091	16 BLU/YEL	A2,G1	LOAD DM 3W SW
100	12 WHI/RED	G2,E3	ELECTRIC HVAC GROUND
101	12 ORN	G1,G3	ELECTRIC HVAC FEED
103	14 YEL	F3,G3,SPLICE 2	ACCESSORY WIPER POWER
106	16 LBL	A1,SPLICE 2	WIPER POWER (B+)
107	16 GRN/WHI	A1,F3	WIPER MOTOR LOW
108	16 RED/WHI	A1,F3	WIPER MOTOR HIGH
109	16 ORN	A1,F3	WPR MOTOR PARK SWITCH OUTPUT
111	16 PNK/BLK	F3,G1	WASHER PUMP
116	14/16 RED/GRN	C1,E1,G1,G1	BAT-12V OUTLET/LTR/RADIO
118	16 BLK/RED	E1,G1	LOAD DOME RELAY COIL (B+)
203	12 ORN	D1,G3	ACCESSORY TO FUSE BLOCK
204	14 RED/BLK	B2,C1,G1	BATTERY-AUXILIARY 1
206	14 ORN/BLK	D1,G1	ACCESSORY-AUXILIARY 1
207	12 YEL	C1,G3	BATTERY TO FUSE BLOCK
212	14 PPL/BLK	D1,E1	ACCESSORY-RADIO
214	14 ORN/WHI	B2,D1	ACCESSORY-AUXILIARY 2
224	14 RED/GRN	A1,G2	BATTERY-AUXILIARY SWITCHED
226	14 ORN/GRN	A1,G2	ACCESSORY-AUXILIARY SWITCHED
303	16 ORN/YEL	D1,G1	ACCESSORY-DASH FAN
304	16 YEL/BLK	A1,G2	DASH FAN LOW
305	16 GRN/BLK	A1,G2	DASH FAN HIGH
*400	16 GRY/BLK	B1,G2	RH SPEAKER (-)
*401	16 GRY/WHI	B1,G2	RH SPEAKER (+)
*402	16 WHT/BLK	B1,G2	LH SPEAKER (-)
*403	16 WHT/GRN	B1,G2	LH SPEAKER (+)
405	14/16 RED/YEL	A1,E1,G1	ACCY RADIO/CAM
JPR1	16 GRY	E1,E1	BATTERY-LOW VOLTAGE SWITCH
JPR2	14 BLK	E1,E1	ACCESSORY-LOW VOLTAGE SWITCH

- OPTIONAL: CIRCUITS 400 & 401 MAY BE SUPPLIED AS STANDARD SPEAKER "ZIP CORD" PAIRS. CIRCUIT NUMBER AND CONNECTOR INDEXING MUST BE MAINTAINED AS SHOWN.
- OPTIONAL: CIRCUITS 402 & 403 MAY BE SUPPLIED AS STANDARD SPEAKER "ZIP CORD" PAIRS. CIRCUIT NUMBER AND CONNECTOR INDEXING MUST BE MAINTAINED AS SHOWN.

SPLICE 1
VENDOR TO SPLICE
000 16 WHT TO
000A 12 WHT IN
SUITABLE LOCATIONS

PROPRIETARY

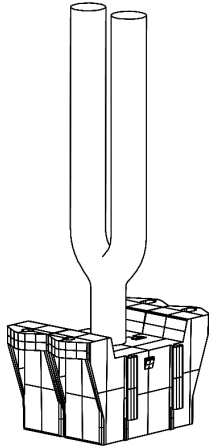
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GENERAL STANDARDS UNLESS OTHERWISE NOTED:
1. DIMENSIONS ARE IN INCHES.
2. DIMENSIONS ARE IN MILLIMETERS.
3. DIMENSIONS ARE IN MILLIMETERS.
4. DIMENSIONS ARE IN MILLIMETERS.
5. DIMENSIONS ARE IN MILLIMETERS.
6. DIMENSIONS ARE IN MILLIMETERS.

DATE	11 JAN 11	DATE	11 JAN 11
DFW	33505	DATE	11 JAN 11
DO NOT SCALE	2011 FCC M-100	DATE	11 JAN 11
NAME	HARN COM CTR FCC	DATE	11 JAN 11
	ZIP CODE	DATE	11 JAN 11
	W/ 46023310 WPR SW	DATE	11 JAN 11
SHT	118084201	DATE	11 JAN 11
3 of 3		DATE	11 JAN 11

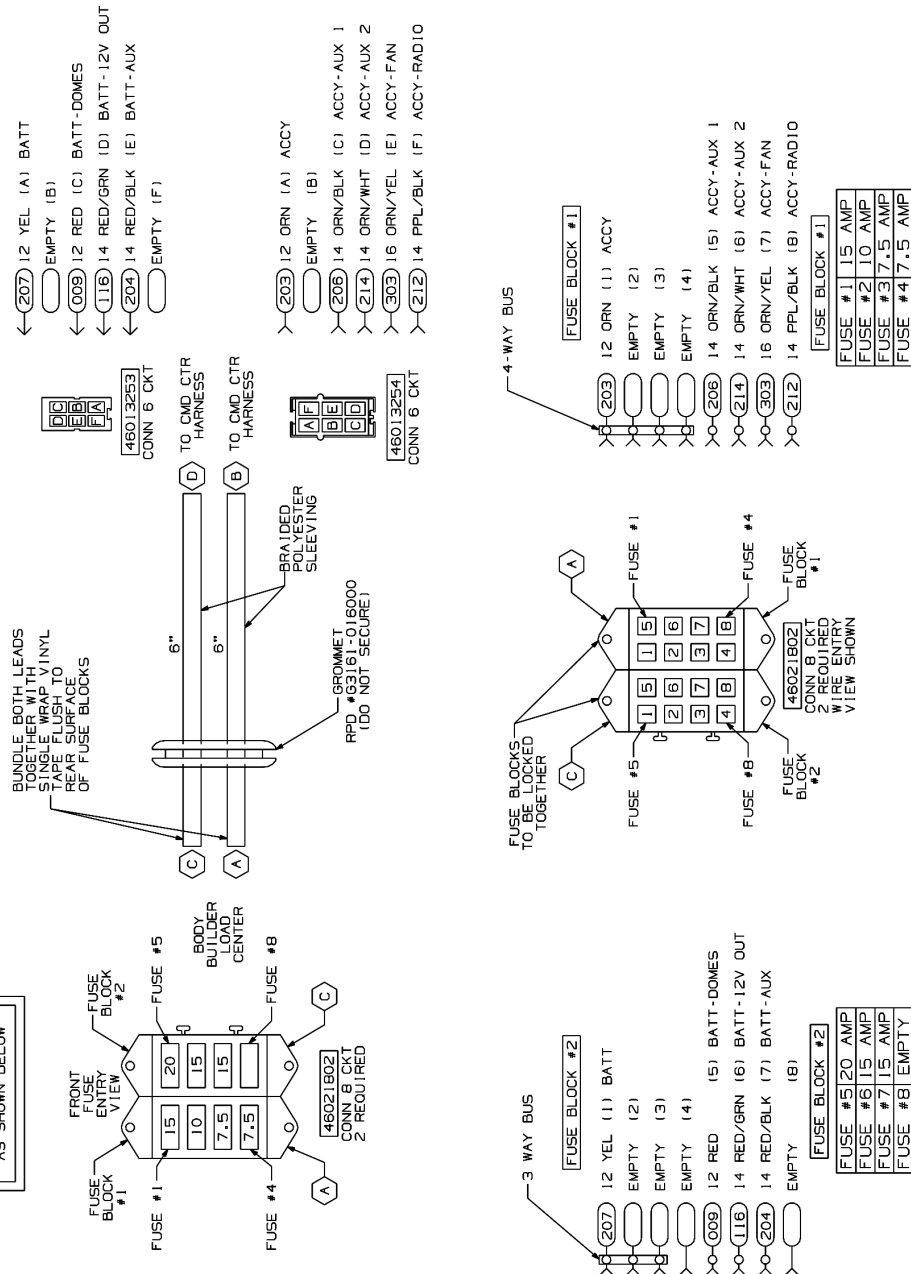
DRAWING NO.		REV	SHT	
128084201			1 OF 1	
REV.	DESCRIPTION	BY	ECN NO.	DATE
	RELEASE FOR PRODUCTION	CHK.		



LAY OF WIRE TO BE SUCH THAT WHEN INSERTED INTO FUSE BLOCK ASSEMBLY, AS SHOWN

CIRCUIT	DESCRIPTION	END POINTS	FUNCTION
009	12 RED	C,D	BATT-DOMES
116	14 RED/GRN	C,D	BATT-12V OUT
203	12 ORN	A,B	ACCY
204	14 RED/BLK	C,D	BATT-AUX
206	14 ORN/BLK	A,B	ACCY-AUX 1
207	12 YEL	C,D	BATT
212	14 PPL/BLK	A,B	ACCY-RADIO
214	14 ORN/WHI	A,B	ACCY-AUX 2
303	16 ORN/YEL	A,B	ACCY-FAN

NOTE: FUSES AND FUSEBLOCKS MUST BE ORIENTED AS SHOWN BELOW



1. THIS IS A PURCHASED HARNES. NO BILL OF MATERIAL EXISTS.
2. BRAIDED POLYESTER SLEEVING TO BE CLOSED AT BOTH ENDS WITH 1/2" OF SHRINK TUBING, AND TAPED [1111096] 6" AT BREAKOUTS.
3. VENDOR MAY REPLACE PIGTAILS WITH WIRING TO APPROVED MOLDINGS OR CONNECTORS. PIGTAILS SHOWN IN TERMINAL VIEW.
4. HARNES TO BE TESTED FOR CONTENT, OPENS, SHORTS, AND CONTINUITY.
5. CONNECTORS SHOWN FROM WIRE ENTRY SIDE. UNLESS OTHERWISE NOTED.
6. SPLICES TO BE AUTOMATED WITH SOLDER, AND ADHESIVE LINED HEAT SHRINK TUBING.
7. TAPE [1111096] 6" AT BREAKOUTS AND 2" AT LOOM ENDS.
8. HARNES TO HAVE A LABEL SHOWING MORGAN OLSON PART NUMBER, REVISION NUMBER, AND DATE OF MANUFACTURE.
9. SPLIT POLY LOOM UNLESS OTHERWISE NOTED.
10. GXL WIRE.

NOTES:

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MORGAN OLSON

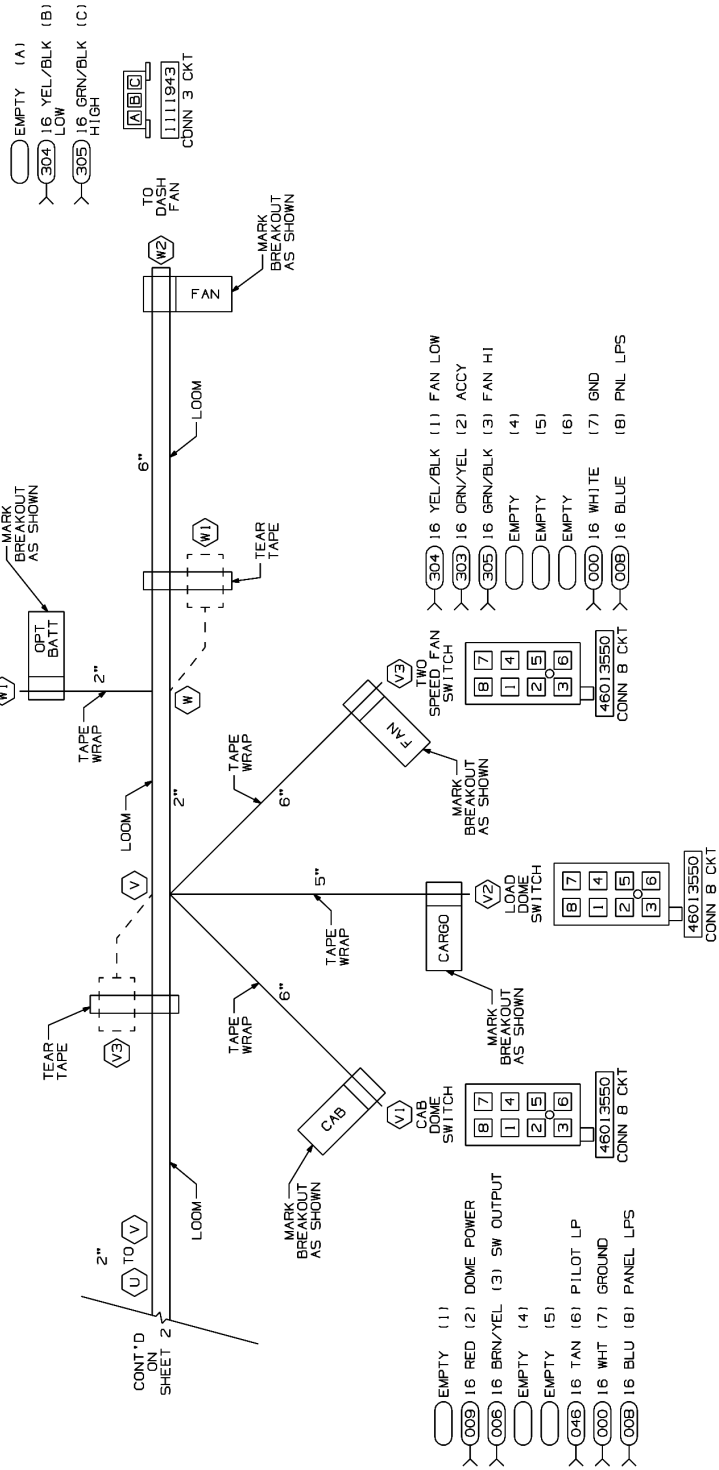
REVISIONS		DATE		BY		DATE	
1.	TRANSMISSION	12-10-00					
2.	REAR AIR EXHAUST SHARP EDGES AND DEBURR						
3.	3/16" PLATE W/ 1/8" DIA. HOLE. ALL THESE CONIGTS MUST BE						
4.	DRILLING UP TO 1/8" DIA. WITHIN 1/16" TYP. MAX DIA. OF						
5.	DRILLING UP TO 1/8" DIA. WITHIN 1/16" TYP. MAX DIA. OF						
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DRAWING NO.	REV	SHT	
098084203	C	1 OF 4	
REV.	DESCRIPTION	BY	DATE
	RELEASE FOR PRODUCTION	DFW	2013
A	REVISED BETWEEN B/O'S "J" AND "M"	DFW	2013
B	REV'D B/O "R1"	DFW	2013
C	7" WAS 3" SHEET 2	ALL	4/24/08
	7" WAS 3" SHEET 2		11/03/13

VENDOR TO KEEP LOOM SIZE AS SMALL AS POSSIBLE

- > (000) 16 WHT (1) GROUND
- > (008) 16 BLU (2) PNL LPS
- > (204) 14 RED/BLK (3) BATT-AUX
- > (224) 14 RED/GRN (4) OPT. LD

AMP 1-480702-0
CONN 4 CKT
USE FEMALE TERMS
OPTIONAL BATTERY
LOAD



- > (090) 16 BLU/WHI (1) 3 WAY SW
- > (117) 16 WHI/RED (2) RLY COIL
- > (082) 16 BLU/YEL (3) 3 WAY SW (OR GND)
- > (000) 16 WHI (4) GND
- > (007) 16 ORN (6) LOAD DOME
- > (000) 16 WHI (7) GND
- > (008) 16 BLU (8) PANEL LPS

9. THIS IS A PURCHASED HARNESS. NO BILL OF MATERIAL EXISTS.
8. VENDOR MAY REPLACE PIGTAILS WITH WIRING TO APPROVED MOLDINGS OR CONNECTORS. PIGTAILS SHOWN IN TERMINAL VIEW.
7. HARNESS TO BE TESTED FOR CONTENT, OPENS, SHORTS, AND CONTINUITY.
6. CONNECTORS SHOWN FROM WIRE ENTRY SIDE. UNLESS OTHERWISE NOTED.
5. SPLICES TO BE AUTOMATED WITH SOLDER, AND ADHESIVE LINED HEAT SHRINK TUBING.
4. TAPE [1111096] 6" AT BREAKOUTS AND 2" AT LOOM ENDS.
3. HARNESS TO HAVE A LABEL SHOWING MORGAN OLSON PART NUMBER, REVISION NUMBER, AND DATE OF MANUFACTURE.
2. SPLIT POLY LOOM UNLESS OTHERWISE NOTED.
1. GXL WIRE.

NOTES:

PROPRIETARY
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MORGAN OLSON

GENERAL STANDARD UNLESS OTHERWISE NOTED

1. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.
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DO NOT SCALE	DO NOT SCALE	DO NOT SCALE

HARN 1/P FCC 2009 M-100
2P D/PK INT WPR RRR SW

DRAWING NO.	SHT	REV
098084203	1 OF 4	NONE

FIRST USE:
CV100826
BASED ON:
007384210



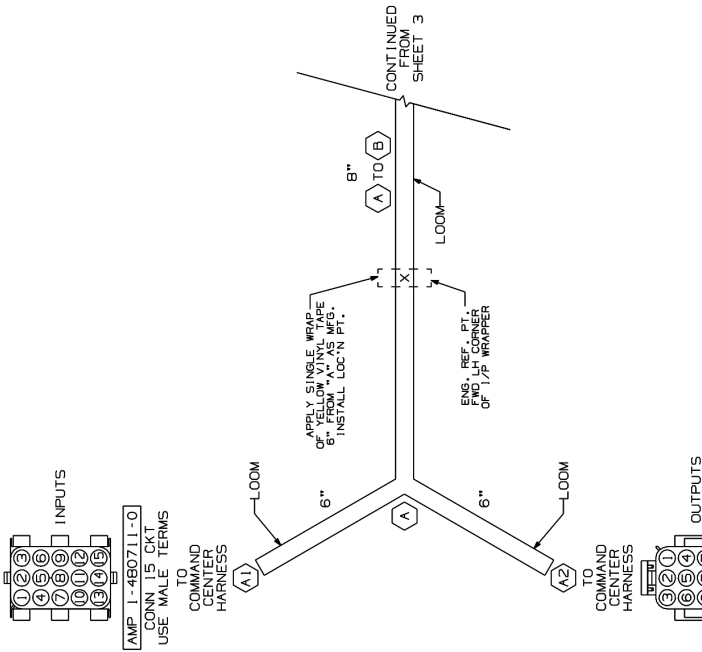


DRAWING NO.	098084203	REV	C	SHT	4 OF 4
REV.	DESCRIPTION	BY	DATE	CHK.	
A	RELEASE FOR PRODUCTION	DFW	28/03		
B	REVISED BETWEEN B/O'S "J" AND "M"	DFW	28/03		
C	REV'D B/O "R1"	DFW	28/03		
D	7" WAS 3" SHEET 2	ALL	28/03		
E	7" WAS 3" SHEET 2	ALL	28/03		

- < (000) 12 WHT (1) BODY GROUND
 < (008) 16 BLU (2) PANEL LAMPS
 < (009) 12 RED (3) BATTERY-DOME LPS
 < (090) 16 BLU/WHT (4) 3-WAY SWITCH
 < (091) 16 BLU/YEL (5) 3-WAY SWITCH
 < (101) 12 GRN (6) ACCESSORY-HVAC
 < (111) 16 PNK/BLK (7) WASHER PUMP
 < (116) 14 RED/GRN (8) BATT-12V OUTLET
 < (118) 16 BLK/RED (9) DOME RLY COIL B+
 < (204) 14 RED/BLK (10) BATTERY-AUX
 < (206) 14 GRN/BLK (11) ACCESSORY-AUX
 < (303) 16 GRN/YEL (12) ACCESSORY-FAN
 < (404) 16 YEL/WHT (13) BATTERY-RADIO
 < (405) 16 RED/YEL (14) ACCESSORY-RADIO
 < () EMPTY (15)
- > (007) 14 GRN (1) LOAD DOME LAMPS
 > (046) 16 TAN (2) TO CAB DOME LAMPS
 > (121) 16 WHT/BLU (3) WASHER GROUND
 > (224) 14 RED/GRN (4) SWITCHED BAT LOAD
 > (226) 14 GRN/GRN (5) SWITCHED ACY LOAD
 > (304) 16 YEL/BLK (6) DASH FAN LOW
 > (305) 16 GRN/BLK (7) DASH FAN HIGH
 > (400) 16 GRN/BLK (8) RH SPEAKER-NEG
 > (401) 16 GRN/WHT (9) RH SPEAKER-POS
 > (402) 16 WHT/BLK (10) LH SPEAKER-NEG
 > (403) 16 WHT/GRN (11) LH SPEAKER-POS
 > (100) 12 WHT/RED (12) HVAC GROUND

CIRCUIT	DESCRIPTION	END POINTS	FUNCTION
000	12/14/16 WHT	A1,C1,N1,O1,R1,T1,T2,U1,V1,V2,V3,W1	GROUND
006	16 BRN/YEL	F1,V1	CAB DOME LAMP SWITCH OUTPUT
007	14/16 GRN	A2,B1,F2,V2	LOAD DOME LAMP(S)
008	16 BLU	A1,T1,U1,V1,V2,V3,W1	PANEL LAMPS (THRU DIMMER SWITCH)
009	12/16 RED	A1,B1,V1	DOME BATTERY FEED
036	16 BRN/WHT	C1,E1	CAB DOME TO TIMER
046	16 TAN	A2,C1,V1	CAB DOME LAMP
090	16 BLU/WHT	A1,V2	LOAD DOME LAMPS 3-WAY SWITCH
091	16 BLU/YEL	A1,N2	LOAD DOME LAMPS 3-WAY SWITCH
092	16 BLU/YEL	P1,V2	LOAD DOME LAMPS 3-WAY SWITCH
100	12 WHT/RED	A2,J1	ELECTRIC HVAC GROUND
101	12 GRN	A1,J1	ELECTRIC HVAC ACCESSORY POWER
111	16 PNK/BLK	A1,M	WASHER PUMP
116	14 RED/GRN	A1,O1,R1	LIGHTER (BATTERY)
117	16 WHT/RED	B1,O1,V2	LOAD DOME LAMPS RELAY COIL GROUND
118	16 BLK/RED	A1,D1	LOAD DOME LAMPS RELAY COIL BATTERY
121	16 WHT/BLU	A2,M	WASHER PUMP GROUND
200	10 WHT/RED	B1,D1	LOAD DOME LAMPS RELAY COIL
204	14 RED/BLK	A1,G1,W1	GROUND - AUX
206	14 GRN/BLK	A1,G1,U1	BATTERY POWER - AUX
224	14 RED/GRN	A2,W1	ACCESSORY POWER - SWITCHED
226	14 GRN/GRN	A2,U1	AUX BATTERY POWER - SWITCHED
303	16 GRN/YEL	A1,V3	FAN SWITCH POWER
304	16 YEL/BLK	A2,V3,W2	DASH FAN LOW
305	16 GRN/BLK	A2,T2	DASH FAN HIGH
400	16 GRN/BLK	A2,T2	RH SPEAKER (NEGATIVE)
401	16 GRN/WHT	A2,T2	RH SPEAKER (POSITIVE)
402	16 WHT/BLK	A2,T2	LH SPEAKER (NEGATIVE)
403	16 WHT/GRN	A2,T2	LH SPEAKER (POSITIVE)
404	16 YEL/WHT	A1,T2	RADIO BATTERY FEED
405	16 RED/YEL	A1,T2	RADIO ACCESSORY FEED
JPR1	16 TAN	C2,C2	CAB DOME JUMPER
JPR2	16 GRN	D2,D2	LOAD DOME JUMPER

- OPTIONAL: CIRCUITS 400 & 401 MAY BE SUPPLIED AS STANDARD SPEAKER "ZIP CORD" PAIRS. CIRCUIT NUMBER AND CONNECTOR INDEXING MUST BE MAINTAINED AS SHOWN.
- OPTIONAL: CIRCUITS 402 & 403 MAY BE SUPPLIED AS STANDARD SPEAKER "ZIP CORD" PAIRS. CIRCUIT NUMBER AND CONNECTOR INDEXING MUST BE MAINTAINED AS SHOWN.



PROPRIETARY

MORGAN OLSON

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GENERAL STANDARD UNLESS OTHERWISE NOTED
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 SCALE: NONE
 REV: C

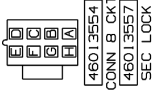




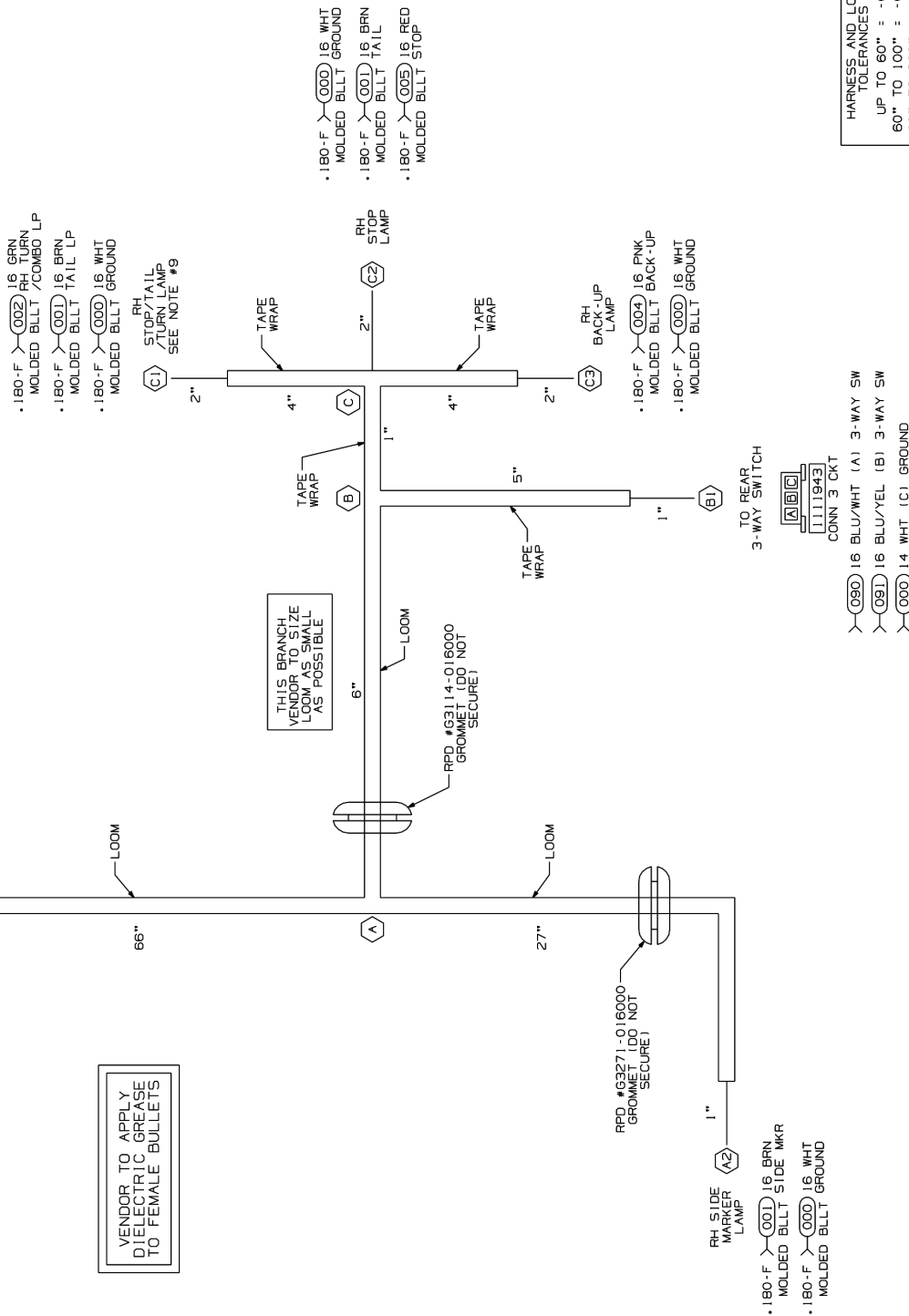
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DESCRIPTION	BY	DATE
RELEASE FOR PRODUCTION	CHK	
A REVISED "A" TO "C" AND "D" W/ 25SEP09		
A TAIL LAMP BREAKOUT AREA		

CIRCUIT	DESCRIPTION	END POINTS	FUNCTION
000	14/16 WHT	A1, A2, B1, C1, C2, C3	GROUND
001	16 BRN	A1, A2, C1, C2	TAIL/SIDE MARKER LPS
002	16 GRN	A1, C1	RH TURN/COMBO LP
004	16 PNK	A1, C3	BACK-UP LP
005	16 RED	A1, C2	150 STOP LP
090	16 BLU/WHT	A1, B1	3-WAY SWITCH
091	16 BLU/YEL	A1, B1	3-WAY SWITCH

TO TRANSOM HARNES AT UPPER RH REAR CORNER OF LOAD COMPT



- ← (000) 14 WHT (A) GROUND
- ← (001) 16 BRN (B) TAIL LP/SIDE MKR
- ← (002) 16 GRN (C) RH TURN/COMBO LP
- ← () EMPTY (D)
- ← (004) 16 PNK (E) BACK-UP LP
- ← (005) 16 RED (F) STOP ONLY
- ← (090) 16 BLU/WHT (G) 3-WAY SW
- ← (091) 16 BLU/YEL (H) 3-WAY SW



FIRST USE:
JV000311
BASED ON:
092086204
& 092086204

- WHEN ISOLATED STOP CIRCUIT 005 IS USED, CIRCUIT 002 REMAINS ACTIVE FOR INFORMATION OR CAN BECOME OPERATIONAL BY UNPLUGGING THE BRAKE FEED INTO TURN SIGNAL SWITCH.
- VENDOR MAY REPLACE WITH APPROVED MOLDINGS OR CONNECTORS. PIGTAILS SHOWN IN TERMINAL VIEW.
- HARNESSES TO BE TESTED FOR RESISTANCE, SHORTS, AND CONTINUITY.
- CONNECTORS SHOWN FROM WIRE ENTRY SIDE, UNLESS OTHERWISE NOTED.
- SPLICES TO BE AUTOMATED WITH SOLDER, AND ADHESIVE LINED HEAT SHRINK TUBING.
- TAPE [1111096]: 6" AT BREAKOUTS, 2" AT 18" INTERVALS FOR UNINTERRUPTED LOOM LENGTHS GREATER THAN 24", AND 2" AT LOOM ENDS.
- HARNESSES TO HAVE A LABEL SHOWING MORGAN OLSON PART NUMBER, REVISION LEVEL, AND DATE OF MANUFACTURE.
- SPLIT POLY LOOM UNLESS OTHERWISE NOTED.
- GXL WIRE.

NOTES:

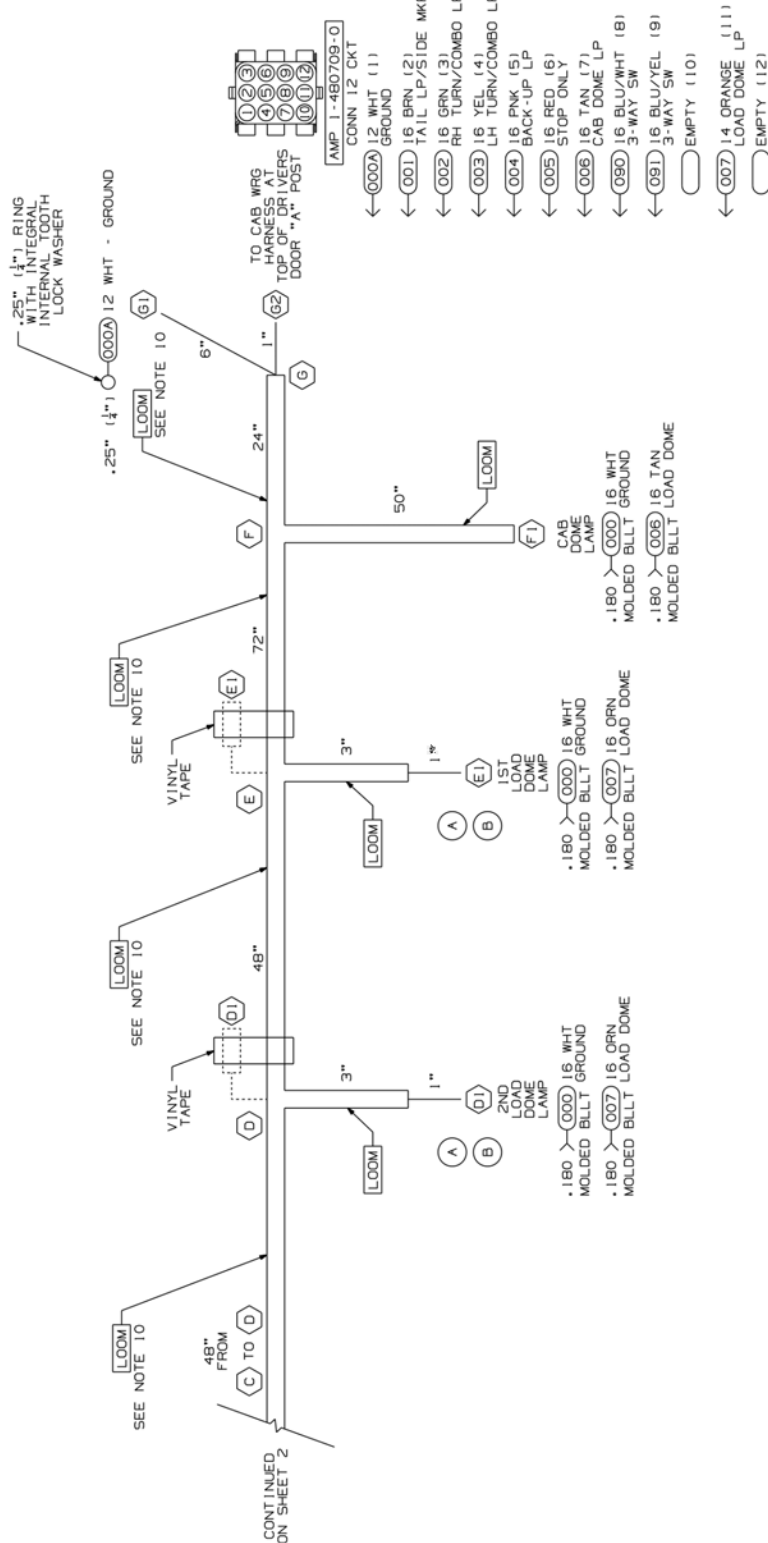
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GENERAL STANDARDS UNLESS OTHERWISE NOTED	
1. HARNESSES SHALL BE MADE TO ORDER.	2. HARNESSES SHALL BE MADE TO ORDER.
3. FOR PLANT INTERIOR ALL HARNESSES MUST BE MADE TO ORDER.	4. FOR PLANT INTERIOR ALL HARNESSES MUST BE MADE TO ORDER.
5. FOR PLANT INTERIOR ALL HARNESSES MUST BE MADE TO ORDER.	6. FOR PLANT INTERIOR ALL HARNESSES MUST BE MADE TO ORDER.
DATE	DATE
24SEP09	24SEP09
DFW	DFW
28410	28410
DO NOT SCALE	
NAME	
HARN RR WPG RH BPL	
2009 CFF NON D/PLR	
DRAWING NO.	SCALE
092086205	NONE
SHT	REV
1 OF 1	A

REV.	DESCRIPTION	BY	DATE
A	RELEASE TO PRODUCTION	TJM	2/24/02
B	REVISED DOME LAMP BREAKOUT LENGTH	TJM	2/24/02
C	REV'D DM LP B/O'S	DFW	2/24/02
D			
E			
F			

DRAWING NO.	REV.	SHT
093093203	B	1 of 2



10. MAIN TRUNK OF HARNESS MUST FIT IN A .75 DIA. WIRE CHANNEL.
9. THIS IS A PURCHASED HARNESS. NO BILL OF MATERIAL EXISTS.
8. VENDOR MAY REPLACE PIGTAILS WITH WIRING APPROVED MOLDINGS OR CONNECTORS. PIGTAILS SHOWN IN TERMINAL VIEW.
7. HARNESS TO BE TESTED FOR CONTENT, OPENS, SHORTS, AND CONTINUITY.
6. CONNECTORS SHOWN FROM WIRE ENTRY SIDE, UNLESS OTHERWISE NOTED.
5. SPLICES TO BE AUTOMATED WITH HEAT SHRINK TUBING. HEAT SHRINK BUTT SPLICES ARE ACCEPTABLE FOR M-O FABRICATION IF NECESSARY.
4. TAPE [1111096]: 8" AT BREAKOUTS AND 2" AT LOOM ENDS.
3. HARNESS TO HAVE A LABEL SHOWING MORGAN OLSON PART NUMBER, REVISION NUMBER, AND DATE OF MANUFACTURE.
2. SPLIT POLY LOOM UNLESS OTHERWISE NOTED.
1. GXL WIRE.

NOTES:

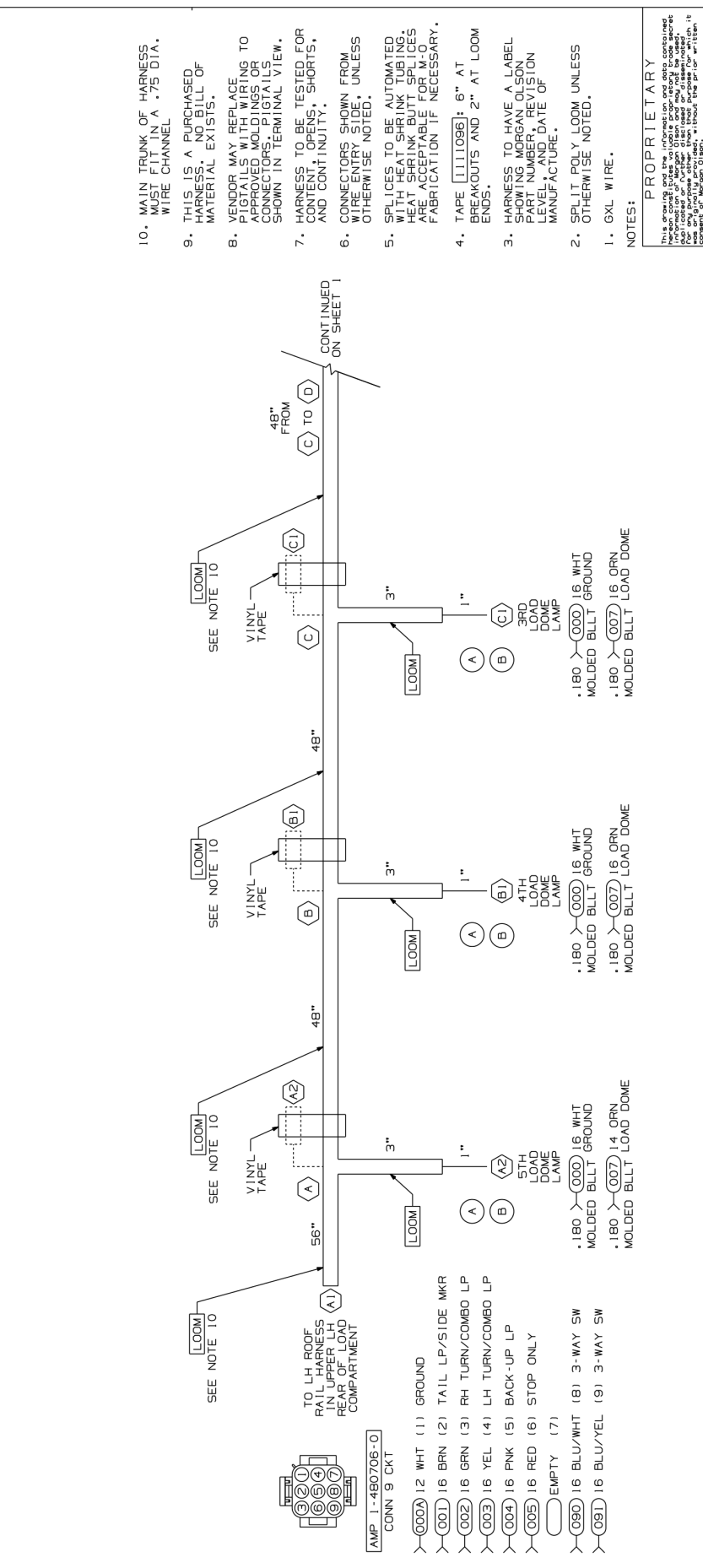
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GENERAL STANDARD UNLESS OTHERWISE NOTED:	
1. DIMENSIONS - .0005" - .001" - .002" - .005" - .010" - .020" - .030" - .040" - .050" - .060" - .070" - .080" - .090" - .100" - .125" - .150" - .175" - .200" - .250" - .300" - .350" - .400" - .450" - .500" - .550" - .600" - .650" - .700" - .750" - .800" - .850" - .900" - .950" - 1.000" - 1.125" - 1.250" - 1.375" - 1.500" - 1.625" - 1.750" - 1.875" - 2.000" - 2.125" - 2.250" - 2.375" - 2.500" - 2.625" - 2.750" - 2.875" - 3.000" - 3.125" - 3.250" - 3.375" - 3.500" - 3.625" - 3.750" - 3.875" - 4.000" - 4.125" - 4.250" - 4.375" - 4.500" - 4.625" - 4.750" - 4.875" - 5.000" - 5.125" - 5.250" - 5.375" - 5.500" - 5.625" - 5.750" - 5.875" - 6.000" - 6.125" - 6.250" - 6.375" - 6.500" - 6.625" - 6.750" - 6.875" - 7.000" - 7.125" - 7.250" - 7.375" - 7.500" - 7.625" - 7.750" - 7.875" - 8.000" - 8.125" - 8.250" - 8.375" - 8.500" - 8.625" - 8.750" - 8.875" - 9.000" - 9.125" - 9.250" - 9.375" - 9.500" - 9.625" - 9.750" - 9.875" - 10.000"	2. TOLERANCES - .0005" - .001" - .002" - .005" - .010" - .020" - .030" - .040" - .050" - .060" - .070" - .080" - .090" - .100" - .125" - .150" - .175" - .200" - .250" - .300" - .350" - .400" - .450" - .500" - .550" - .600" - .650" - .700" - .750" - .800" - .850" - .900" - .950" - 1.000" - 1.125" - 1.250" - 1.375" - 1.500" - 1.625" - 1.750" - 1.875" - 2.000" - 2.125" - 2.250" - 2.375" - 2.500" - 2.625" - 2.750" - 2.875" - 3.000" - 3.125" - 3.250" - 3.375" - 3.500" - 3.625" - 3.750" - 3.875" - 4.000" - 4.125" - 4.250" - 4.375" - 4.500" - 4.625" - 4.750" - 4.875" - 5.000" - 5.125" - 5.250" - 5.375" - 5.500" - 5.625" - 5.750" - 5.875" - 6.000" - 6.125" - 6.250" - 6.375" - 6.500" - 6.625" - 6.750" - 6.875" - 7.000" - 7.125" - 7.250" - 7.375" - 7.500" - 7.625" - 7.750" - 7.875" - 8.000" - 8.125" - 8.250" - 8.375" - 8.500" - 8.625" - 8.750" - 8.875" - 9.000" - 9.125" - 9.250" - 9.375" - 9.500" - 9.625" - 9.750" - 9.875" - 10.000"
3. FINISH - .0005" - .001" - .002" - .005" - .010" - .020" - .030" - .040" - .050" - .060" - .070" - .080" - .090" - .100" - .125" - .150" - .175" - .200" - .250" - .300" - .350" - .400" - .450" - .500" - .550" - .600" - .650" - .700" - .750" - .800" - .850" - .900" - .950" - 1.000" - 1.125" - 1.250" - 1.375" - 1.500" - 1.625" - 1.750" - 1.875" - 2.000" - 2.125" - 2.250" - 2.375" - 2.500" - 2.625" - 2.750" - 2.875" - 3.000" - 3.125" - 3.250" - 3.375" - 3.500" - 3.625" - 3.750" - 3.875" - 4.000" - 4.125" - 4.250" - 4.375" - 4.500" - 4.625" - 4.750" - 4.875" - 5.000" - 5.125" - 5.250" - 5.375" - 5.500" - 5.625" - 5.750" - 5.875" - 6.000" - 6.125" - 6.250" - 6.375" - 6.500" - 6.625" - 6.750" - 6.875" - 7.000" - 7.125" - 7.250" - 7.375" - 7.500" - 7.625" - 7.750" - 7.875" - 8.000" - 8.125" - 8.250" - 8.375" - 8.500" - 8.625" - 8.750" - 8.875" - 9.000" - 9.125" - 9.250" - 9.375" - 9.500" - 9.625" - 9.750" - 9.875" - 10.000"	4. MATERIALS - .0005" - .001" - .002" - .005" - .010" - .020" - .030" - .040" - .050" - .060" - .070" - .080" - .090" - .100" - .125" - .150" - .175" - .200" - .250" - .300" - .350" - .400" - .450" - .500" - .550" - .600" - .650" - .700" - .750" - .800" - .850" - .900" - .950" - 1.000" - 1.125" - 1.250" - 1.375" - 1.500" - 1.625" - 1.750" - 1.875" - 2.000" - 2.125" - 2.250" - 2.375" - 2.500" - 2.625" - 2.750" - 2.875" - 3.000" - 3.125" - 3.250" - 3.375" - 3.500" - 3.625" - 3.750" - 3.875" - 4.000" - 4.125" - 4.250" - 4.375" - 4.500" - 4.625" - 4.750" - 4.875" - 5.000" - 5.125" - 5.250" - 5.375" - 5.500" - 5.625" - 5.750" - 5.875" - 6.000" - 6.125" - 6.250" - 6.375" - 6.500" - 6.625" - 6.750" - 6.875" - 7.000" - 7.125" - 7.250" - 7.375" - 7.500" - 7.625" - 7.750" - 7.875" - 8.000" - 8.125" - 8.250" - 8.375" - 8.500" - 8.625" - 8.750" - 8.875" - 9.000" - 9.125" - 9.250" - 9.375" - 9.500" - 9.625" - 9.750" - 9.875" - 10.000"
DATE	DATE
15APR09	21APR09
TJM	26B36
DO NOT SCALE	
HARNESS ROOF 21" x 24" 6"	
M100 TRUCK .180F BLTT	
SHT	SCALE
1 of 2	NONE
DRAWING NO.	REV
093093203	B

HARNESS AND LOOM TOLERANCES
UP TO 60" = -0/+2"
60" TO 100" = -0/+4"
100" TO 200" = -0/+5"
200" TO 400" = -0/+6"
400" TO 600" = -0/+7"
OVER 600" = -0/+8"
BO TO BO = -0/+2"
TOLERANCE IS NOT ACCUMULATIVE. LENGTH APPLIES TO OVERALL HARNESS LENGTH, BREAKOUT TO END, OR LOOM.

CIRCUIT	DESCRIPTION	END POINTS	FUNCTION
000A	12 WHT	A1,G1,G2,SPLICE 1	GROUND
000	14/16 WHT	A2,B1,C1,D1,E1,F1,SPLICE 1	GROUND
001	16 BRN	A1,G2	CLER/ICC LPS
002	16 GRN	A1,G2	RH TURN LP
003	16 YEL	A1,G2	LH TURN LP
004	16 PNK	A1,G2	BACK-UP LPS
005	16 RED	A1,G2	STOP LPS

[illegible]

HARNES AND LOOM TOLERANCES	
UP TO 60"	= -0/+2"
60" TO 100"	= -0/+4"
100" TO 200"	= -0/+5"
200" TO 400"	= -0/+6"
400" TO 600"	= -0/+7"
OVER 600"	= -0/+8"
BO TO BO	= -0/+2"
TOLERANCE IS NOT ACCUMULATIVE. LENGTH APPLIES TO OVERALL HARNES LENGTH, BREAKOUT TO END, OR LOOM.	

DRAWING NO.	REV	SHT
090093202	A	1 of 1
DESCRIPTION	DATE	
RELEASE FOR PRODUCTION		
A	80" WAS 64"	42849
		21 MAR 14

9. THIS IS A PURCHASED HARNESS. NO BILL OF MATERIAL EXISTS.
8. VENDOR MAY REPLACE PIGTAILS WITH WIRING TO APPROVED MOLDINGS OR CONNECTORS. PIGTAILS SHOWN IN TERMINAL VIEW.
7. HARNESS TO BE TESTED FOR CONTENT, OPENS, SHORTS, AND CONTINUITY.
6. CONNECTORS SHOWN FROM WIRE ENTRY SIDE, UNLESS OTHERWISE NOTED.
5. SPLICES TO BE AUTOMATED WITH SOLDER, AND ADHESIVE LINED HEAT SHRINK TUBING.
4. TAPE [1111096]: 6" AT BREAKOUTS, 2" AT 18" TERMINALS. LONGER IF REQUIRED. Loom length greater than 24", and 2" at loom ends.
3. HARNESS TO HAVE A LABEL FROM MORGAN OLSON, PART NUMBER, REVISION LEVEL, AND DATE OF MANUFACTURE.
2. SPLIT POLY LOOM UNLESS OTHERWISE NOTED.
1. GXL WIRE.

NOTES:

PROPRIETARY

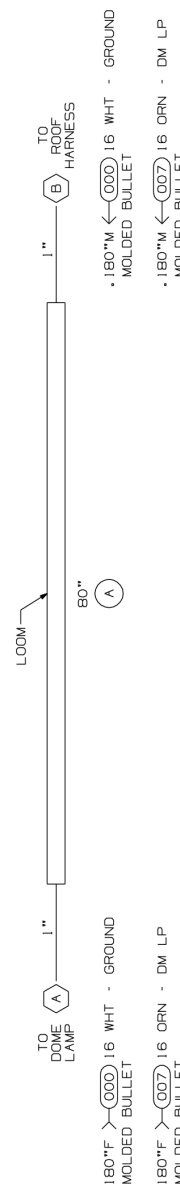
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GENERAL STANDARDS UNLESS OTHERWISE NOTED:
 1. HARNESS SHALL BE MADE TO ORDER.
 2. HARNESS SHALL BE MADE TO ORDER.
 3. HARNESS SHALL BE MADE TO ORDER.
 4. HARNESS SHALL BE MADE TO ORDER.
 5. HARNESS SHALL BE MADE TO ORDER.

DATE	DATE	DATE
26OCT09	26OCT09	26OCT09
DFW	DFW	DFW
28816	28816	28816

DO NOT SCALE	DO NOT SCALE	DO NOT SCALE
HARN. JPR. CRG. D/LP	HARN. JPR. CRG. D/LP	HARN. JPR. CRG. D/LP
GEN. 1800BLL1	GEN. 1800BLL1	GEN. 1800BLL1
DRAWING NO.	DRAWING NO.	DRAWING NO.
090093202	090093202	090093202
SHT	SHT	SHT
1 of 1	1 of 1	1 of 1
REV	REV	REV
A	A	A



• 180°F > (000) 16 WHT - GROUND
 MOLDED BULLET
 • 180°F > (007) 16 ORN - DM LP
 MOLDED BULLET

FEMALE
 BULLET TERMINALS
 TO BE GREASED

HARN. JPR. CRG. D/LP	HARN. JPR. CRG. D/LP	HARN. JPR. CRG. D/LP
GEN. 1800BLL1	GEN. 1800BLL1	GEN. 1800BLL1
DRAWING NO.	DRAWING NO.	DRAWING NO.
090093202	090093202	090093202
SHT	SHT	SHT
1 of 1	1 of 1	1 of 1
REV	REV	REV
A	A	A

FIRST USE:
 CV100632
 BASED ON:
 007386326

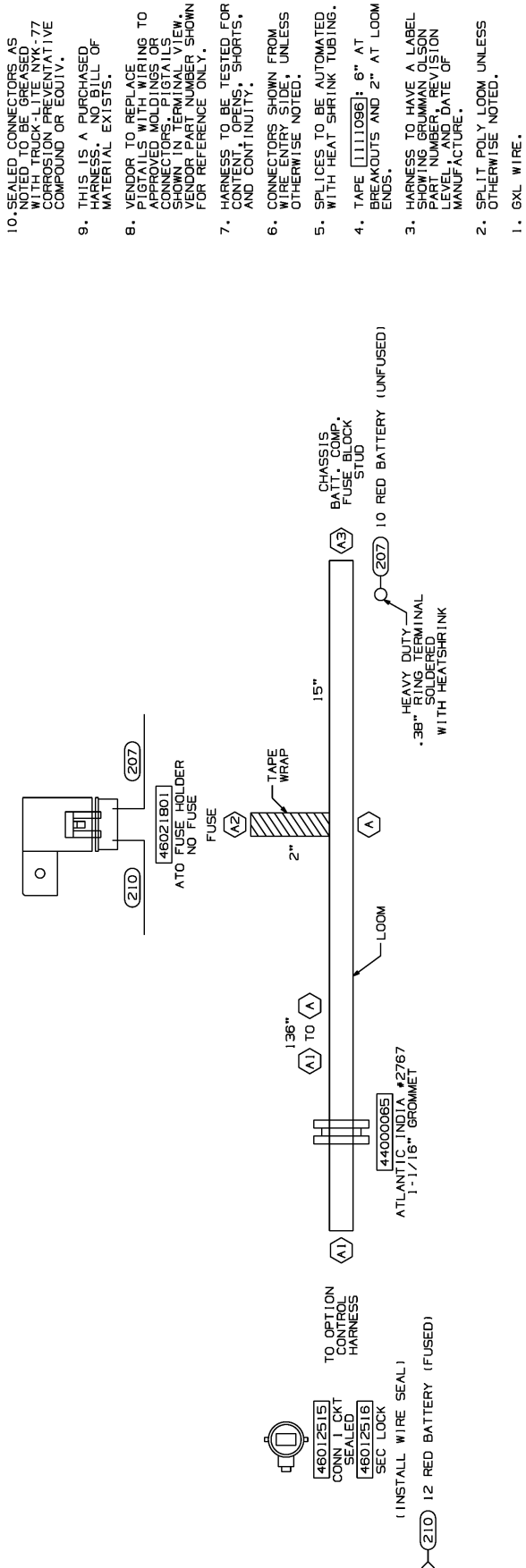






DRAWING NO.	REV	SHT
082091200		1 OF 1
DESCRIPTION	DATE	BY
RELEASE FOR PRODUCTION		

CIRCUIT	GAUGE/COLOR	END POINTS	FUNCTION
207	10 RED	A2, A3	BATTERY (UNFUSED)
210	12 RED	A1, A2	BATTERY (FUSED)



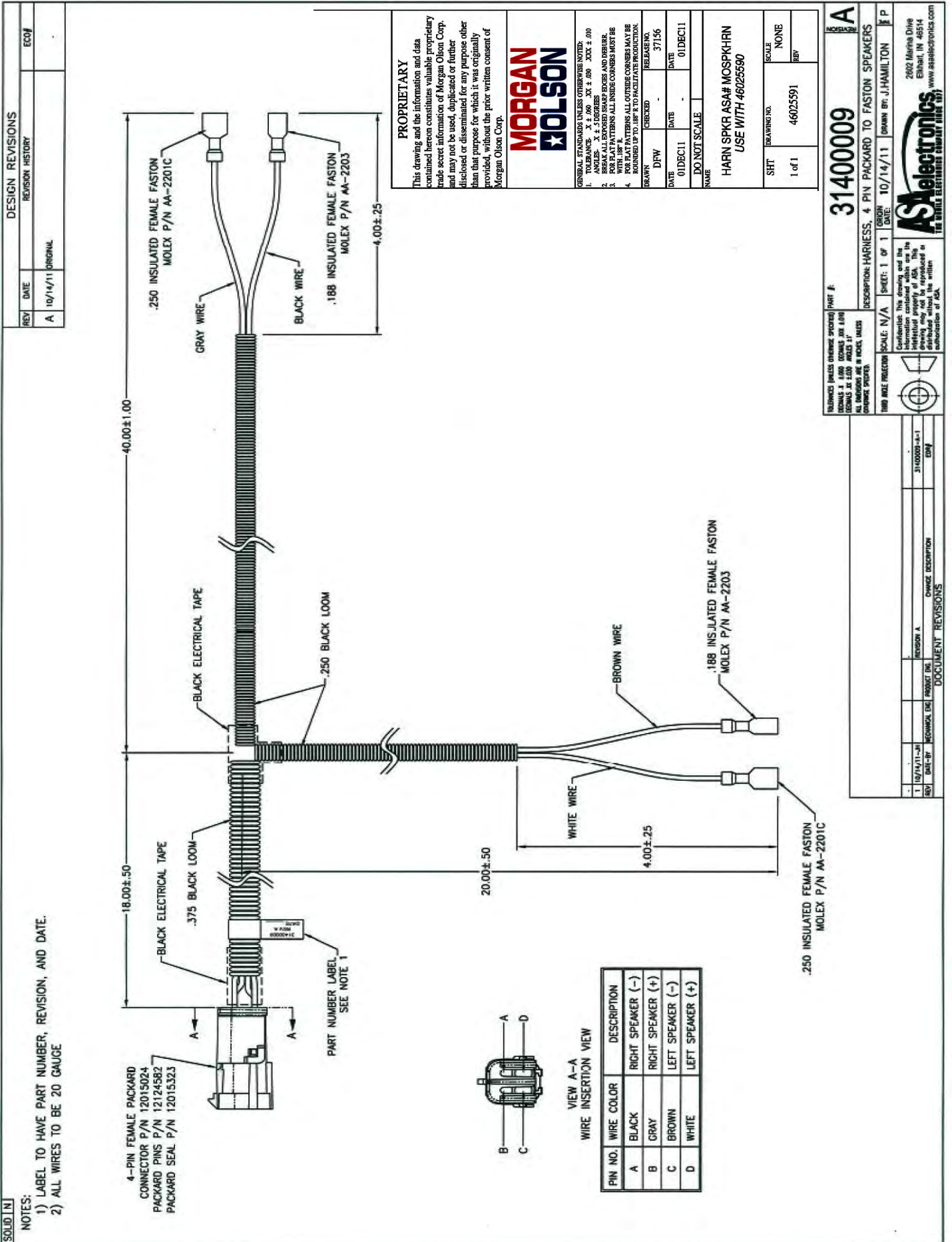
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MORGAN OLSON	
SERIAL STANDARDS UNLESS OTHERWISE NOTED:	
1. DIMENSIONS: UNLESS OTHERWISE NOTED, DIMENSIONS ARE IN INCHES.	2. TOLERANCES: UNLESS OTHERWISE NOTED, TOLERANCES ARE IN INCHES.
3. FINISH: UNLESS OTHERWISE NOTED, FINISH IS AS SHOWN.	4. MATERIALS: UNLESS OTHERWISE NOTED, MATERIALS ARE AS SHOWN.
5. FABRICATION: UNLESS OTHERWISE NOTED, FABRICATION IS AS SHOWN.	6. ASSEMBLY: UNLESS OTHERWISE NOTED, ASSEMBLY IS AS SHOWN.
DATE	DATE
09JAN08	09JAN08
DO NOT SCALE	
NAME	
HARN-PWR, OPTION, FROM BATT	
SHT	SCALE
1 OF 1	NONE
DRAWING NO.	REV
082091200	

HARN-PWR, OPTION, FROM BATT	
TOLERANCES	
UP TO 60"	= -0/+2"
60" TO 100"	= -0/+4"
100" TO 200"	= -0/+5"
200" TO 400"	= -0/+6"
400" TO 600"	= -0/+7"
OVER 600"	= -0/+8"
BO TO BO	= -0/+2"
TOLERANCE IS NOT ACCUMULATIVE. LENGTH APPLIES TO OVERALL HARN-PWR LENGTH, PREPARED TO END, OR LOOM.	

NOTES:	
1. GXL WIRE.	
2. SPLIT POLY LOOM UNLESS OTHERWISE NOTED.	
3. HARN-PWR TO HAVE A LABEL PART NUMBER, REVISION LEVEL, AND DATE OF MANUFACTURE.	
4. TAPE [1111098]: 8" AT BREAKOUTS AND 2" AT LOOM ENDS.	
5. SPICES TO BE AUTOMATED WITH HEAT SHRINK TUBING.	
6. CONNECTORS SHOWN FROM WIRE ENTRY SIDE, UNLESS OTHERWISE NOTED.	
7. HARN-PWR TO BE TESTED FOR CONTENTS, OPEN, SHORTS, AND CONTINUITY.	
8. VENDOR TO REPLACE PIGTAILS WITH WIRING OR APPROVED MOLDINGS OR CONNECTORS. INSTALL VENDOR PART NUMBER SHOWN FOR REFERENCE ONLY.	
9. THIS IS A PURCHASED HARN-PWR. NO BILL OF MATERIAL EXISTS.	
10. SEALED CONNECTORS AS NOTED TO BE GREASED WITH PROTECTANT TO PREVENT CORROSION PREVENTATIVE COMPOUND OR EQUIV.	

BASED ON:
074093201





DRAWING NO.	REV	SHT 1 OF 1
112079204		
REV.	DESCRIPTION	BY CHK.
	RELEASE FOR PRODUCTION	ISSUED DATE

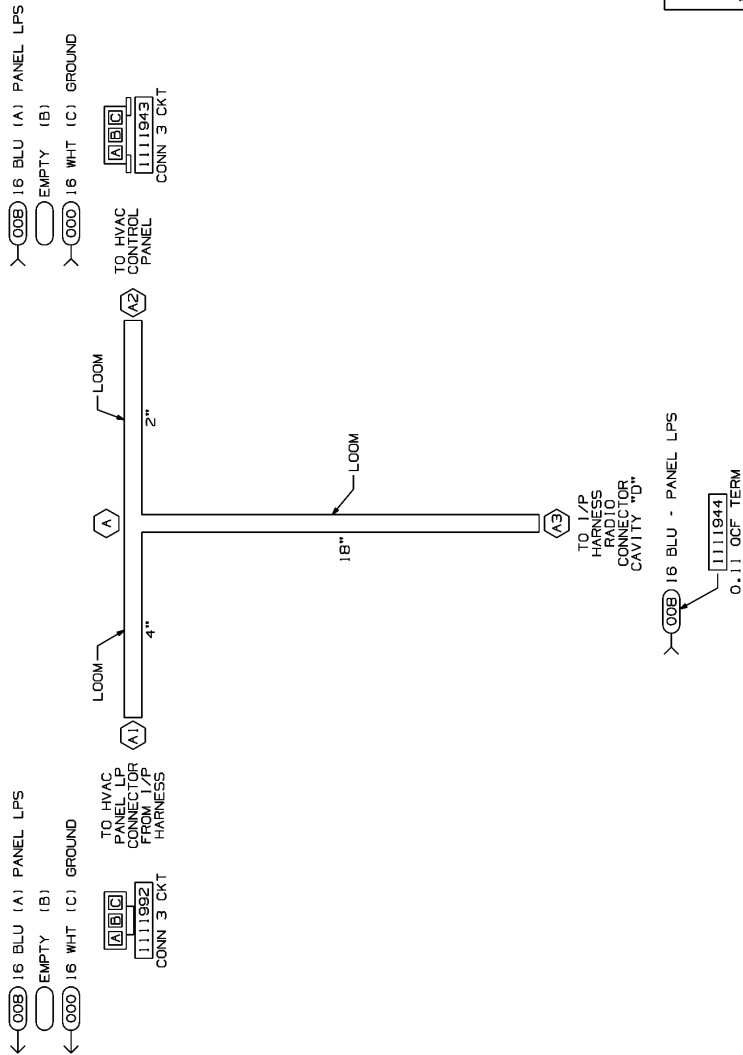
9. THIS IS A PURCHASED HARNESS. NO BILL OF MATERIAL EXISTS.
10. VENDOR MAY REPLACE THIS HARNESS WITH AN APPROVED WELDING OR CONNECTOR, PIGTAILS, SHOWN IN TERMINAL VIEW.
11. HARNESS TO BE TESTED FOR CONTENT, OPENS, SHORTS, AND CONTINUITY.
12. CONNECTORS SHOWN FROM WIRE ENTRY SIDE, UNLESS OTHERWISE NOTED.
13. SPLICES TO BE AUTOMATED WITH SOLDER, AND ADHESIVE LINED HEAT SHRINK TUBING.
14. TAPE [1111096]: 6" AT BREAKOUTS, 2" AT 18" INTERVALS FOR UNINTERRUPTED LOOM LENGTHS GREATER THAN 24", AND 2" AT LOOM ENDS.
15. HARNESS TO HAVE A LABEL SHOWING MORGAN OLSON PART NUMBER, REVISION NUMBER, AND DATE OF MANUFACTURE.
16. SPLIT POLY LOOM, UNLESS OTHERWISE NOTED.
17. GXL WIRE.

NOTES:

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GENERAL STANDARDS UNLESS OTHERWISE NOTED	
1. TOLERANCES	XXX ± .010
2. DIMENSIONS	XXX ± .010
3. FINISHES	XXX ± .010
4. MATERIALS	XXX ± .010
5. FINISHES	XXX ± .010
6. FINISHES	XXX ± .010
7. FINISHES	XXX ± .010
8. FINISHES	XXX ± .010
9. FINISHES	XXX ± .010
10. FINISHES	XXX ± .010
11. FINISHES	XXX ± .010
12. FINISHES	XXX ± .010
13. FINISHES	XXX ± .010
14. FINISHES	XXX ± .010
15. FINISHES	XXX ± .010
16. FINISHES	XXX ± .010
17. FINISHES	XXX ± .010
18. FINISHES	XXX ± .010
19. FINISHES	XXX ± .010
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33. FINISHES	XXX ± .010
34. FINISHES	XXX ± .010
35. FINISHES	XXX ± .010
36. FINISHES	XXX ± .010
37. FINISHES	XXX ± .010
38. FINISHES	XXX ± .010
39. FINISHES	XXX ± .010
40. FINISHES	XXX ± .010
41. FINISHES	XXX ± .010
42. FINISHES	XXX ± .010
43. FINISHES	XXX ± .010
44. FINISHES	XXX ± .010
45. FINISHES	XXX ± .010
46. FINISHES	XXX ± .010
47. FINISHES	XXX ± .010
48. FINISHES	XXX ± .010
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73. FINISHES	XXX ± .010
74. FINISHES	XXX ± .010
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79. FINISHES	XXX ± .010
80. FINISHES	XXX ± .010
81. FINISHES	XXX ± .010
82. FINISHES	XXX ± .010
83. FINISHES	XXX ± .010
84. FINISHES	XXX ± .010
85. FINISHES	XXX ± .010
86. FINISHES	XXX ± .010
87. FINISHES	XXX ± .010
88. FINISHES	XXX ± .010
89. FINISHES	XXX ± .010
90. FINISHES	XXX ± .010
91. FINISHES	XXX ± .010
92. FINISHES	XXX ± .010
93. FINISHES	XXX ± .010
94. FINISHES	XXX ± .010
95. FINISHES	XXX ± .010
96. FINISHES	XXX ± .010
97. FINISHES	XXX ± .010
98. FINISHES	XXX ± .010
99. FINISHES	XXX ± .010
100. FINISHES	XXX ± .010



FIRST USE:
CV100986
BASED ON:
112079203

HARNESS AND LOOM TOLERANCES	
UP TO 60"	: -0/+2"
60" TO 100"	: -0/+4"
100" TO 200"	: -0/+5"
200" TO 400"	: -0/+6"
400" TO 600"	: -0/+7"
OVER 600"	: -0/+8"
BO TO BO	: -0/+2"

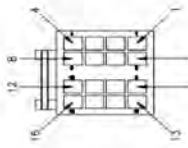
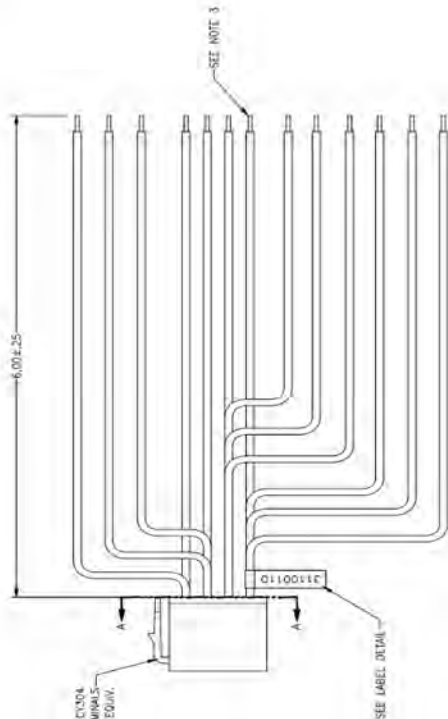
REV	DESCRIPTION	BY	REL. NO
	RELEASE TO PRODUCTION	CHK.	DATE

LOCATE THE POWER/SPEAKER PIGTAIL SHOWN HERE WHICH COMES WITH THE #6025598 DOUBLE DIN RADIO/MONITOR AND TERMINATE BLUNT CUT WIRES AS SHOWN ON SHEET 2 OF THIS DRAWING.

DRAWING NO.	REV	SMT
122079201		1 of 2

REV	DATE	DESCRIPTION	BY
A	10/11/10	ORIGINAL	
B	10/14/10	REVISED AMP CONNECTIONS 962188-1 & 962191-1 WITH CDS	31100110-B-1
C	10/14/10	SWP AND TIN BLUNT CUT WIRE	31100110-C-1

- NOTES:
- 1) ALL WIRES TO BE 18 GAUGE STRANDED COPPER WIRE WITH VINYL INSULATION IN COLORS INDICATED.
 - 2) LABEL TO HAVE PART NUMBER ON FRONT, REV LEVEL AND DATE TO BE ON REAR
 - 3) ALL WIRES TO BE STRIPPED .5MM (.20 INCH) AND TIN SOLDERED AS SHOWN



PIN NO.	WIRE COLOR	FUNCTION
1	GREEN	LEFT REAR SPEAKER (+)
2	WHITE	LEFT FRONT SPEAKER (+)
3	GRAY	RIGHT FRONT SPEAKER (+)
4	VIOLET	RIGHT REAR SPEAKER (+)
5	GREEN/BLACK	LEFT REAR SPEAKER (-)
6	WHITE/BLACK	LEFT FRONT SPEAKER (-)
7	GRAY/BLACK	RIGHT FRONT SPEAKER (-)
8	VIOLET/BLACK	RIGHT REAR SPEAKER (-)
9	RED	+12V SWITCHED
10	BLUE	POWER-ANTENNA REMOTE
11	EMPTY	NO CONNECTION
12	EMPTY	NO CONNECTION
13	BLACK	GROUND
14	ORANGE/WHITE	BACKLIGHT/ILLUMINATOR
15	YELLOW	+12V BATT. UNSWITCHED
16	EMPTY	NO CONNECTION

31100110

REVISIONS

DATE: 12/17/09

DESIGNER: J. HAMMOND

DATE: 12/17/09

DESIGNER: J. HAMMOND

31100110

REVISIONS

DATE: 12/17/09

DESIGNER: J. HAMMOND

DATE: 12/17/09

DESIGNER: J. HAMMOND

PROPRIETARY

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- GENERAL STANDARDS UNLESS OTHERWISE NOTED:
1. TOLERANCE- .X ± .000 .XX ± .030 .XXX ± .010
 2. ANGLES- .X ± 5 DEGREES
 3. BREAK ALL EXPOSED SHARP EDGES AND DEBURR.
 4. FOR FLAT PATTERNS ALL INSIDE CORNERS MUST BE WITH .188" R.
 5. FOR FLAT PATTERNS ALL OUTSIDE CORNERS MAY BE ROUNDED UP TO .188" R TO FACILITATE PRODUCTION.

DRAWN	RLC	CHECKED	RELEASE NO.
DATE	29MAR12	DATE	29MAR12
DO NOT SCALE		NAME	

HARN MOD RDO/MON PWR/SPKR
ASA-JENSEN #JRV212TB

SHT	DRAWING NO.	SCALE
1 of 2	122079201	NONE
		REV

DRAWING NO.	REV	SHT
122079201		2 OF 2
DESCRIPTION	BY	DATE
RELEASE TO PRODUCTION	OK	

FIRST USE:
CV101252
BASED ON:
112079202

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MORGAN OLSON	
GENERAL STANDARD UNLESS OTHERWISE NOTED: 1. DIMENSIONS ARE IN INCHES AND DECIMALS THEREOF. 2. DIMENSIONS ARE TO CENTER UNLESS OTHERWISE NOTED. 3. DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. 4. DIMENSIONS ARE TO CENTER UNLESS OTHERWISE NOTED. 5. DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. 6. DIMENSIONS ARE TO CENTER UNLESS OTHERWISE NOTED. 7. DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. 8. DIMENSIONS ARE TO CENTER UNLESS OTHERWISE NOTED. 9. DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. 10. DIMENSIONS ARE TO CENTER UNLESS OTHERWISE NOTED.	
DATE	29MAR12
DO NOT SCALE	2012
HARN MOD ROD/MON PWR/SPKR ASA-JENSEN #JRV21215	
SHT	2 OF 2
DRAWING NO.	122079201
SCALE	NONE
REV	

COVER PIGTAIL LEADS WITH #1108143 LOOM, AND CLOSE USING #1111096 TAPE

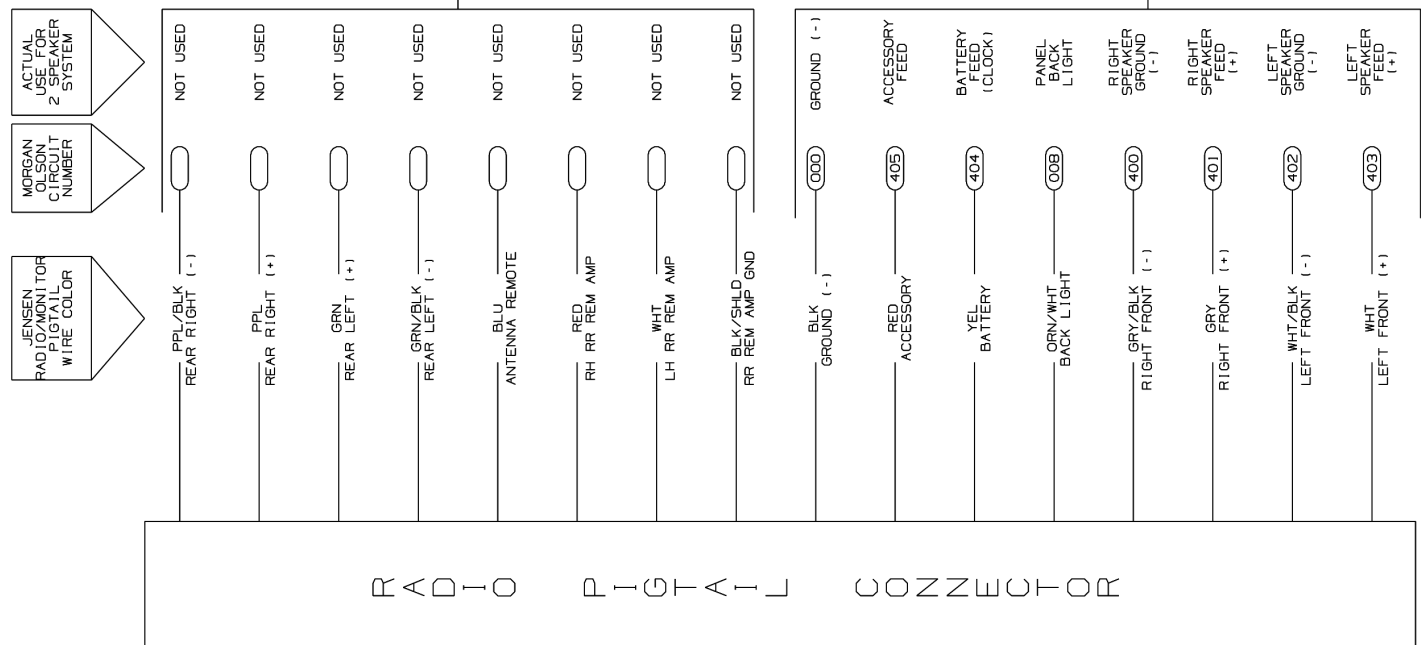
THESE CIRCUITS ARE NOT USED. CUT OFF STRIPPED END OF FIRST WIRE THEN CUT EACH WIRE 1" SHORTER THAN THE LAST SO THE ENDS CANNOT CONTACT EACH OTHER. COVER THE EIGHT WIRES WITH A SINGLE LENGTH OF #46032502 HEAT SHRINK TUBING

- ← (000) BLACK (A) GROUND (-)
- ← (405) RED (B) ACCESSORY
- ← (404) YELLOW (C) BATTERY
- ← (00B) ORN/WHI (D) DASH ILLUMINATION
- ← (400) GRY/BLK (E) RIGHT FRONT SPEAKER (-)
- ← (401) GRAY (F) RIGHT FRONT SPEAKER (+)
- ← (402) WHI/BLK (G) LEFT FRONT SPEAKER (-)
- ← (403) WHITE (H) LEFT FRONT SPEAKER (+)

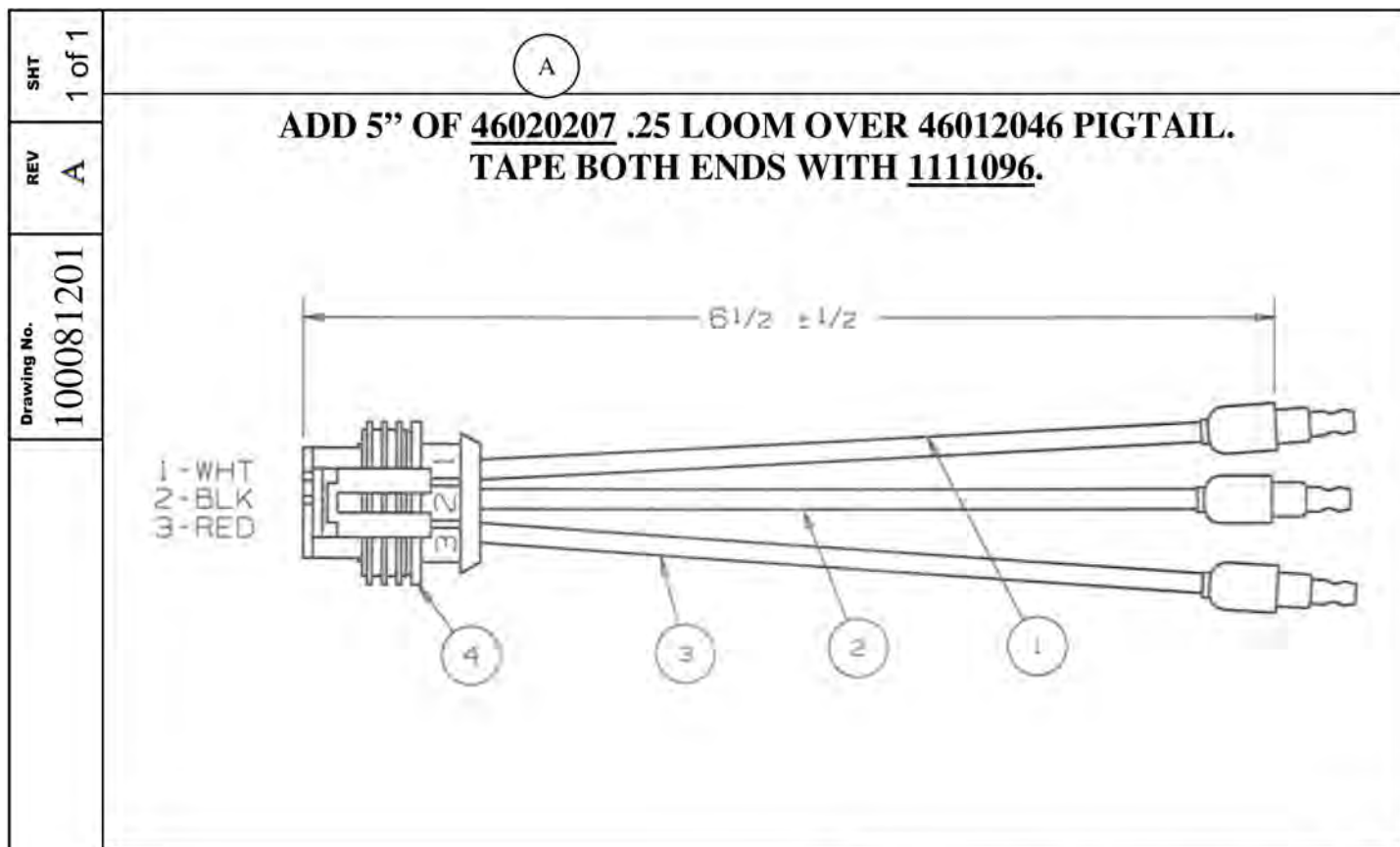


ATTACH #46018504 TERMINALS TO THESE PINS AND INSERT INTO CAVITIES OF #46013554 AS SHOWN AT RIGHT.

THIS CONNECTOR MAKES NO PWR HARN RADIO POWER CONNECTOR



RADIO PIGTAIL CONNECTOR

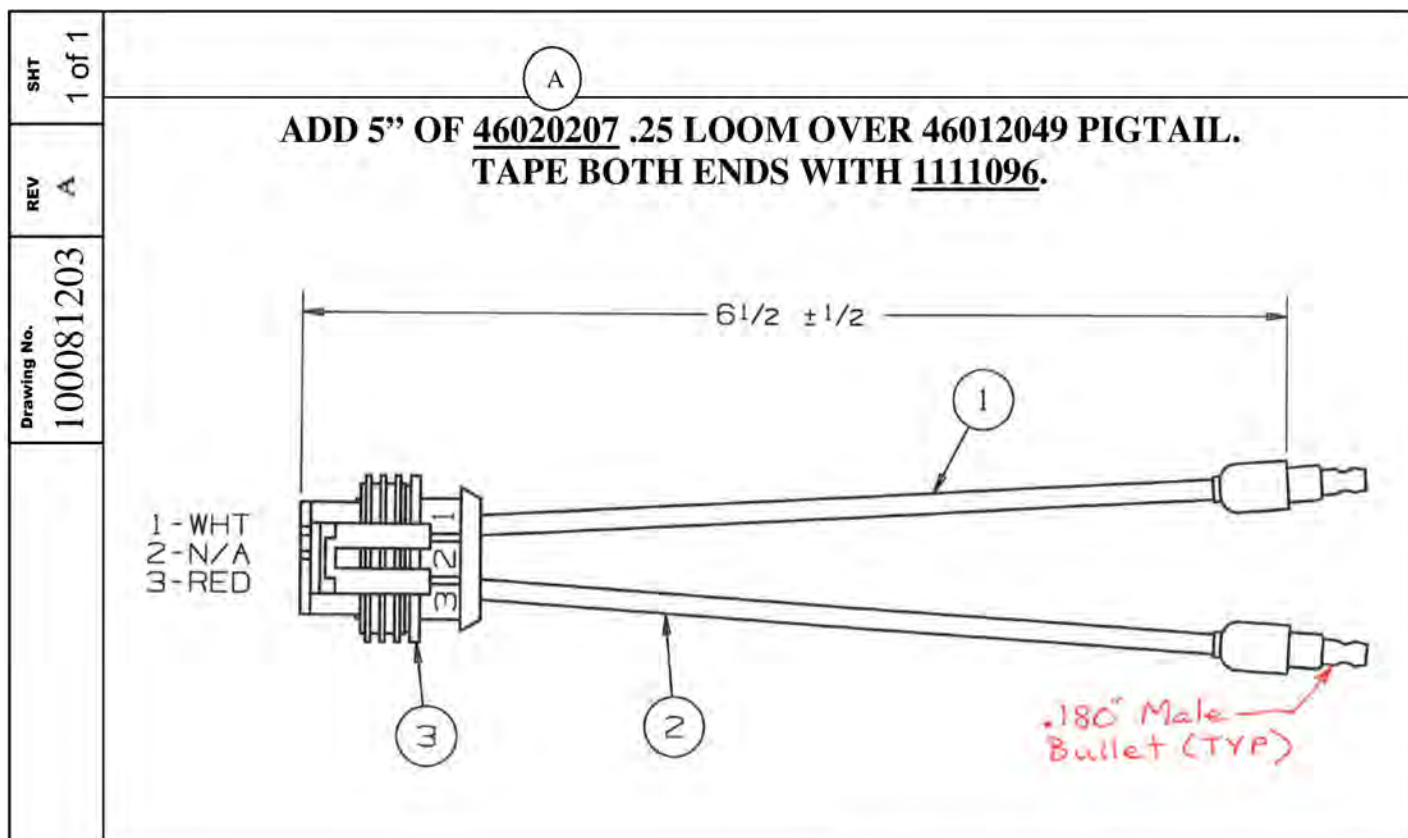


DIGITAL PHOTO DRAWING



- GENERAL STANDARDS UNLESS OTHERWISE NOTED:
1. TOLERANCE- .X ± .060 .XX ± .030 .XXX ± .010
 - ANGLES- X ± .5 DEGREES
 2. BREAK ALL EXPOSED SHARP EDGES AND DEBURR.
 3. FOR FLAT PATTERNS ALL INSIDE CORNERS MUST BE WITH .188" R.
 4. FOR FLAT PATTERNS ALL OUTSIDE CORNERS MAY BE ROUNDED UP TO .188" R TO FACILITATE PRODUCTION.

				DRAWN	CHECKED	RELEASE NO.
				TJM		31075
A	LOOM 46020207 WAS 46020201	MTS	43454	DATE	DATE	DATE
			6/10/14	12MAY10		12MAY10
REV	DESCRIPTION	BY	REL.NO.	DO NOT SCALE		
		CHK.	DATE	NAME		
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				SHT	DRAWING NO.	SCALE
				1 of 1	100081201	NONE
						REV
						A



DIGITAL PHOTO DRAWING



GENERAL STANDARDS UNLESS OTHERWISE NOTED:

1. TOLERANCE- .X ± .060 .XX ± .030 .XXX ± .010
ANGLES- .X ± .5 DEGREES
2. BREAK ALL EXPOSED SHARP EDGES AND DEBURR.
3. FOR FLAT PATTERNS ALL INSIDE CORNERS MUST BE WITH .188" R.
4. FOR FLAT PATTERNS ALL OUTSIDE CORNERS MAY BE ROUNDED UP TO .188" R TO FACILITATE PRODUCTION.

				DRAWN TJM	CHECKED	RELEASE NO. 31075
A	LOOM 46020207 WAS 46020201	MTS	43454	DATE 12MAY10	DATE	DATE 12MAY10
			6/10/14			
REV	DESCRIPTION	BY	REL. NO.	DO NOT SCALE		
		CHK.	DATE	NAME		
PROPRIETARY This drawing and the information and data contained hereon constitutes valuable proprietary trade secret information of Morgan Olson Corp. and may not be used, duplicated or further disclosed or disseminated for any purpose other than that purpose for which it was originally provided, without the prior written consent of Morgan Olson Corp.				HARN A S/T/T WITH LOOM (LOOM OVER 46012049)		
				SHT 1 of 1	DRAWING NO. 100081203	SCALE NONE
						REV A