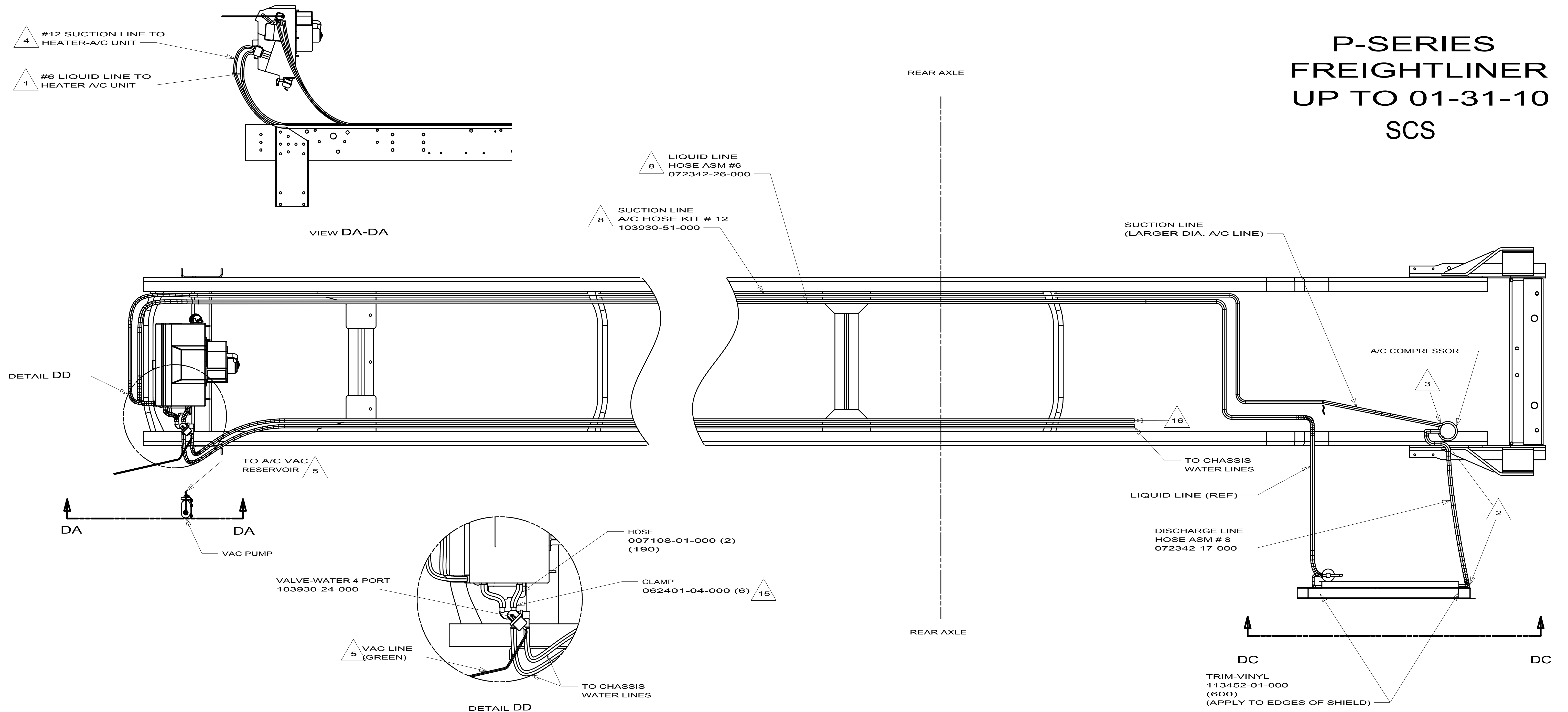


P-SERIES FREIGHTLINER UP TO 01-31-10 SCS



8. HOSE TO BE RUN WITH FREIGHTLINER CHASSIS HOSE AND WIRING.

7. ROUTE A/C LINES OVER THE TOP OF ENGINE AIR INTAKE USE A GENEROUS RADIUS AND DO NOT ALLOW LINES TO TOUCH ENGINE.

6. APPLY GIMP 113452-02-000 OVER ALL SHARP EDGES THAT MAY CROSS HOSES.

5. SUPPLIED WITH A/C-HEATER

4. TORQUE TO 28-33 FT/LBS

3. TORQUE TO 21-27 FT/LBS

2. TORQUE TO 15-20 FT/LBS

1. TORQUE TO 11-13 FT/LBS

16. SEE MOTORAID INSTL FOR ADDITIONAL INFORMATION.

15. TORQUE TO 20.0 $\pm$ 3 IN/LBS.

14. USE ANTI-FREEZE 007316-03-000 (A/R)

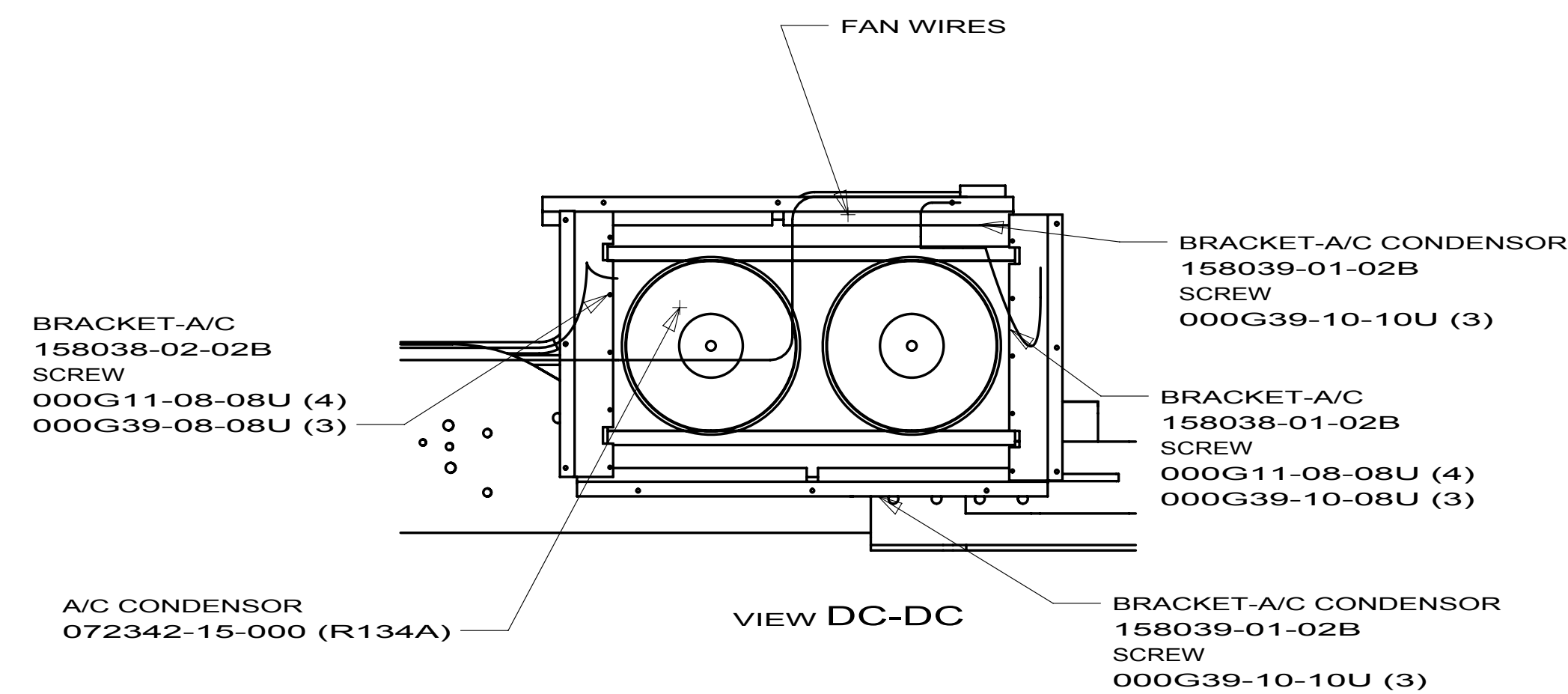
13. USE 50 MM OF DROPOFF FROM TRIMMING 079059-01-000.

12. REMOVE RETURN LINE FROM FOWARD SIDE OF VALVE AND ROUTE ACROSS CHASSIS CROSSMEMBER TO RIGHT HAND SIDE

11. EVACUTE COMPLETE SYSTEM TO 50 MICRONS AND CHECK FOR LEAKS CHARGE SYSTEM WITH 40OZ $\pm$ 1.8 OZ OF 3122-00-R134A FREON AND ADD 4 OZ OF REFRIGERANT PAG OIL NO. 104941-02-000

10. LUBRICATE ALL O-RINGS WITH REFRIGERANT OIL.

9. LEAVE CAPS ON HOSES UNTIL FINAL CONNECTION IS MADE



HEATER-A/C INSTL, CHASSIS

3A

169851

NOTES:

P-SERIES FREIGHTLINER (AFTER 02-01-10) EVANS

#12 SUCTION LINE TO
HEATER-A/C UNIT

#6 LIQUID LINE TO
HEATER-A/C UNIT

VIEW DA-DA

LIQUID LINE
HOSE ASM #6
176054-02-000

SUCTION LINE
A/C HOSE KIT # 12
176054-07-000

SUCTION LINE
(LARGER DIA. A/C LINE)

A/C COMPRESSOR

DB

DB

DA

DA

RESERVOIR-VACUUM
176053-01-000
SCREW
G39-10-10U (2)

HOSE
7108-51-000
(700)

FROM HEATER CORE
(RETURN)

TEE
76776-01-000

HOSE
7108-51-000
(70)

VALVE-WATER,3
PORT ELECTRONIC
176044-02-000
SCREW
G39-10-10U (2)

CLAMP
62401-04-000 (8)

TO HEATER CORE
(SUPPLY)

HOSE
7108-51-000
(700)

FROM BOTTOM OF ENGINE
(RETURN)

FROM TOP OF ENGINE
(SUPPLY)

#12 SUCTION LINE TO
HEATER-A/C UNIT

#6 LIQUID LINE TO
HEATER-A/C UNIT

CONNECT BLUE VACUUM
LINE FROM DASH HVAC
CONTROL TO AIR
RECIRCULATION DOOR
VACUUM MOTOR.

VIEW DB-DB

LIQUID LINE (REF)

DISCHARGE LINE
HOSE ASM # 8
176054-01-000

TO CHASSIS
WATER LINES

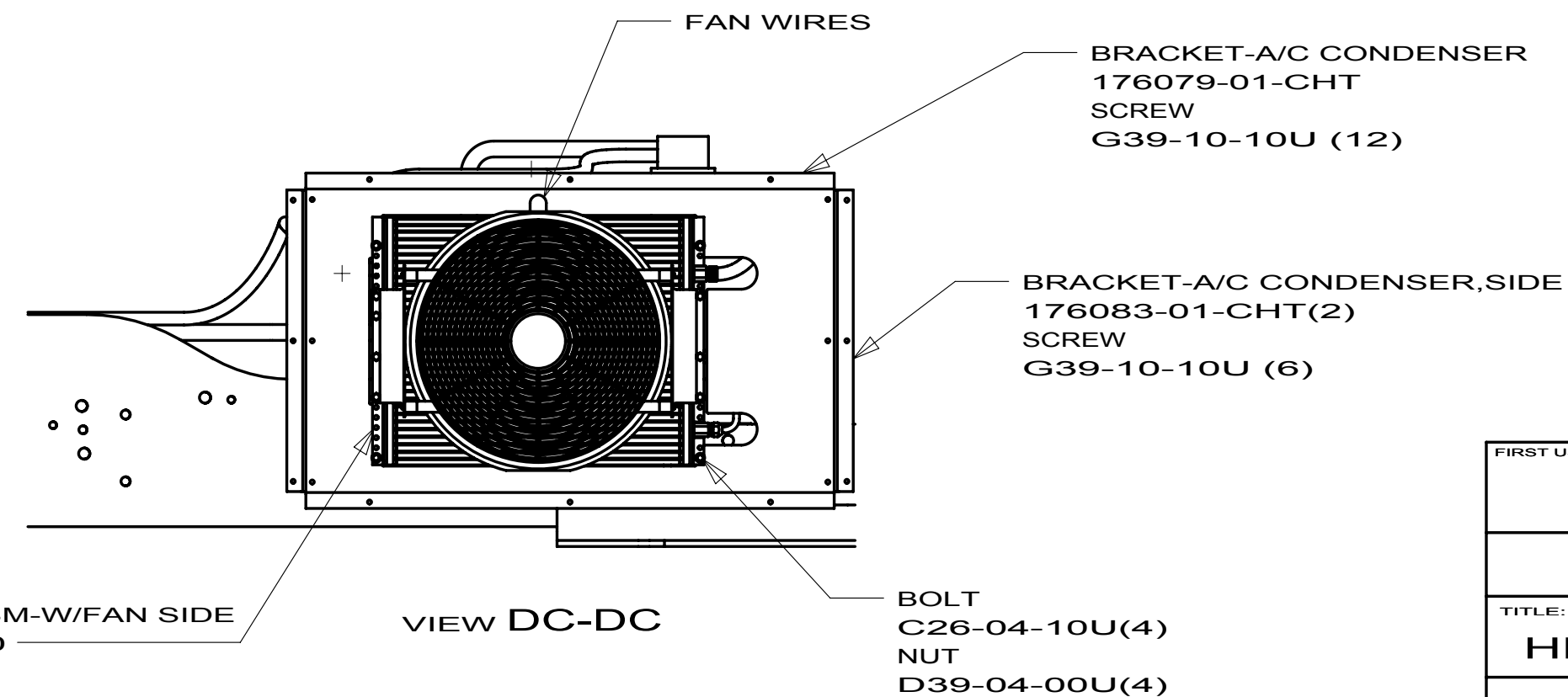
DC

TRIM-VINYL
113452-01-000
(600)
(APPLY TO EDGES OF SHIELD)

DC

- WHEN MOTORAID TUBE CONTACTS ANY CHASSIS COMPONENT THE SHALL BE POTECTED BY CONDUIT 41953-02-000
- USE ANTIFREEZE 7316-03-000 (A/R)
- ADD 4 OZ OF PAG REFRIGERANT OIL P/N 104941-02-000 IN LIQUID LINE, EVACUATE COMPLETE SYSTEM TO 50 MICRONS AND CHARGE SYSTEM WITH R134A REFRIGERANT P/N 3122-03-000. SEE ENGINEERING SPECIFICATION ES0083 FOR REFRIGERANT CHARGE AND REFRIGERANT LINE TORQUE VALUES.
- LUBRICATE ALL O-RINGS WITH REFRIGERANT OIL.
- LEAVE CAPS ON HOSES UNTIL FINAL CONNECTION IS MADE
- APPLY GIMP 113452-02-000 OVER ALL SHARP EDGES THAT MAY CROSS HOSES.
- SEE MOTORAID INSTL FOR ADDITIONAL INFORMATION.

NOTES:

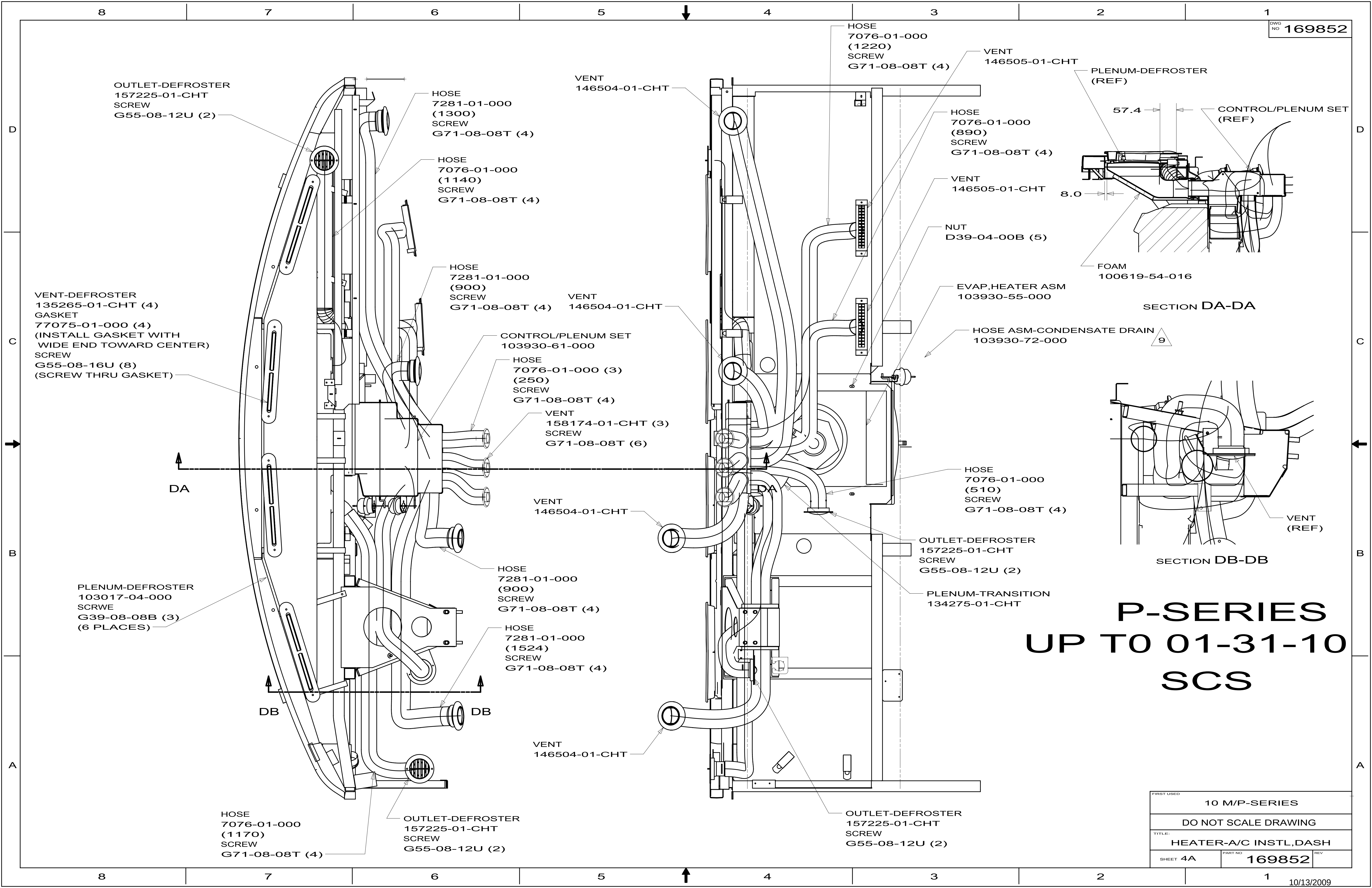


FIRST USED		
10 P-SERIES FL		
DO NOT SCALE DRAWING		
TITLE:		
HEATER-A/C INSTL,CHASSIS		
SHEET3B	PART NO	REV
	169851	

KEY	PART NUMBER	U/M DESCRIPTION	072342-17-000 VENDOR NO.
	072342-12-701	EA HOSE ASM #8 CONDENSER/COMP	085-0142
	113245-01-707	EA O'RING #8	045-0126

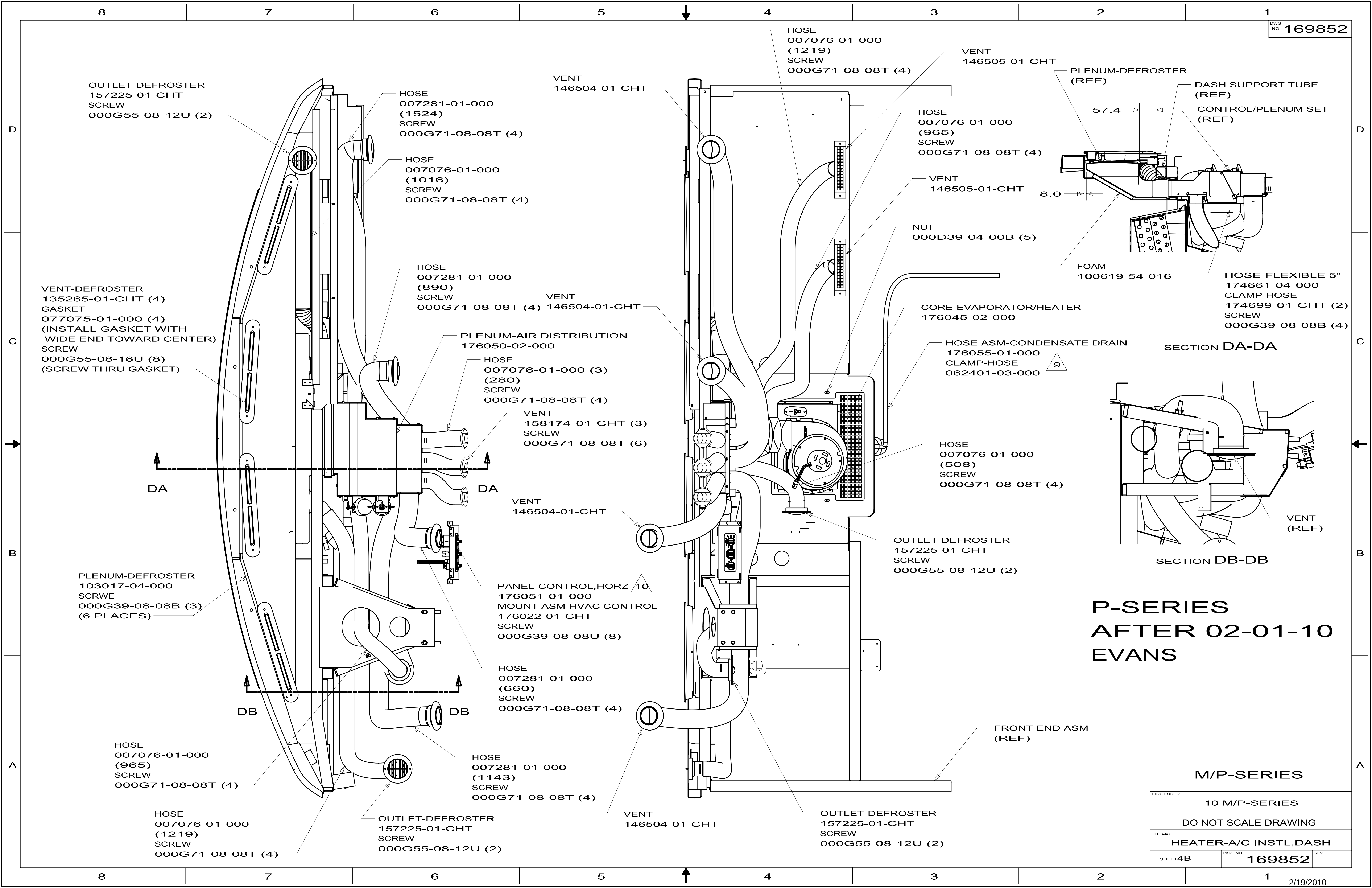
KEY	PART NUMBER	U/M DESCRIPTION	072342-26-000 VENDOR NO.
	072342-26-700	EA SWITCH-BINARY W/PACKARD CONN	032-00384
	072342-26-701	EA HOSE ASM. - #6 DRIER/EVAP	085-00623
	103930-01-716	EA SWITCH-PRESSURE/COND. FAN	032-0036
	113245-01-711	EA O'RING #6	045-0129

KEY	PART NUMBER	U/M DESCRIPTION	072342-27-000 VENDOR NO.
	072342-27-700	EA HOSE - #6 DRIER/EVAPORATOR	085-00622
	103930-01-716	EA SWITCH-PRESSURE/COND. FAN	032-0036
	103930-12-708	EA SWITCH-BINARY-HI/LOW CUTOUT	032-00048
	103930-12-709	EA FITTING-QUICK CONNECT	050-0120
	110279-02-702	EA O'RING #12	045-0125
	113245-01-711	EA O'RING #6	045-0129



P-SERIES UP TO 01-31-10 SCS

FIRST USED		
10 M/P-SERIES		
DO NOT SCALE DRAWING		
TITLE:		
HEATER-A/C INSTL,DASH		
SHEET 4A	PART NO	REV
	169852	



P-SERIES AFTER 02-01-10 EVANS

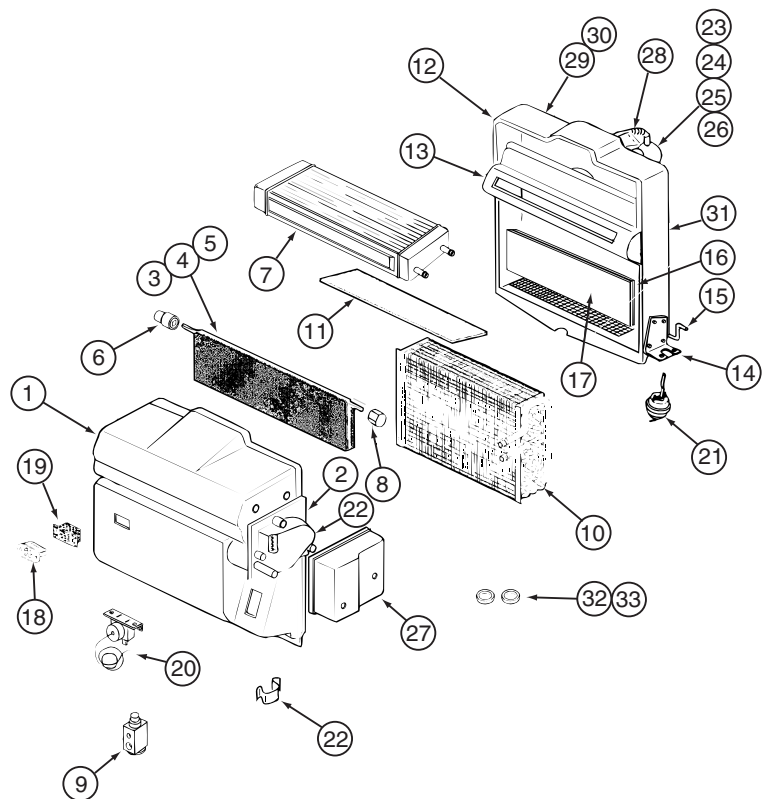
M/P-SERIES		
FIRST USED	10 M/P-SERIES	
	DO NOT SCALE DRAWING	
TITLE:	HEATER-A/C INSTL,DASH	
SHEET4B	PART NO 169852	REV

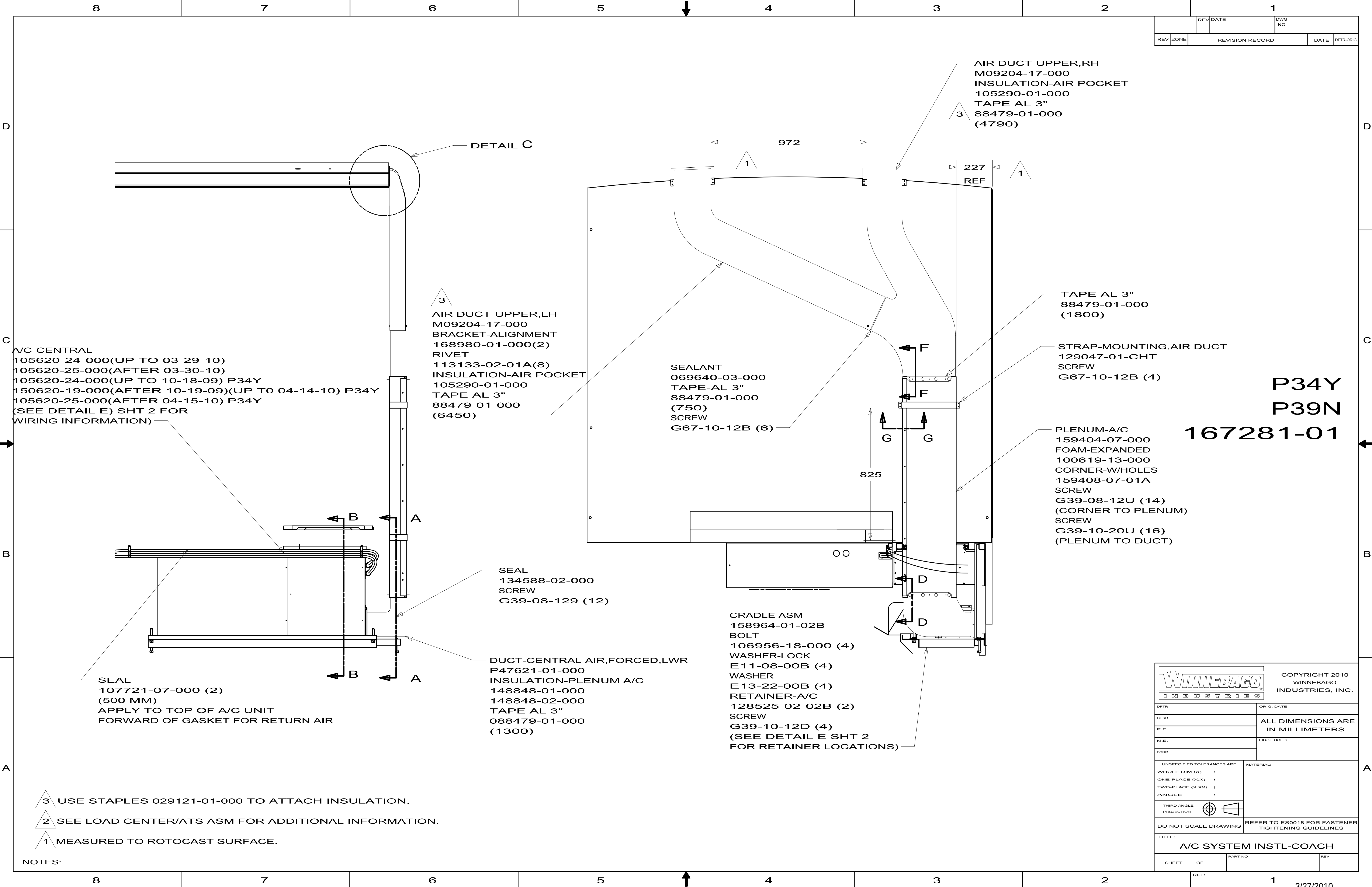
KEY	PART NUMBER	U/M DESCRIPTION
	103930-17-702	EA O'RING #10
	103930-51-700	EA HOSE - #12 EVAP/COMP - 41.5'

103930-51-000
VENDOR NO.
045-0127
085-0490

KEY	PART NUMBER	U/M DESCRIPTION	VENDOR NO.
1	103930-55-701	EA CASE - FRONT	062-0658
2	103930-30-701	EA PLATE - MOTOR MOUNT	062-0544
3	103930-55-705	EA DOOR - BLEND AIR	071-0892
6	103930-30-702	EA BUSHING/DRIVE (BLEND DOOR)	062-0168
7	103930-55-706	EA CORE - HEATER - W/GASKET	084-0271
8	103930-30-709	EA COUPLING - BLEND DOOR SHAFT	062-0634
9	103930-20-700	EA VALVE-EXPANSION-BLOCK, 2 TON	034-0032
10	103930-55-700	EA CORE-EVAPORATOR	041-00168
12	103930-55-702	EA CASE-REAR	062-0657
14	103930-01-708	EA BRACKET-VACUUM MOTOR	070-0113
15	103930-20-704	EA ROD-DOOR-RECIRCULATING	073-0018
16	103930-55-707	EA DOOR - RECIRCULATION	071-0891
18	103930-01-710	EA RESISTOR-FUSED, A/C 4 TERM	035-0006
20	103930-01-711	EA THERMOSTAT	033-0003
21	103930-02-708	EA MOTOR-VACUUM SERVO, A/C	030-0025
22	103930-30-703	EA MOTOR - SERVO	030-0104
23	103930-20-707	EA HOUSING-BLOWER	062-0145
24	103930-55-703	EA MOTOR - BLOWER W/O PIGTAIL	030-0137
25	103930-01-717	EA WHEEL-BLOWER, CLOCKWISE	062-0010
26	103930-20-708	EA CLIP-MOTOR SHAFT	022-0001
27	103930-30-704	EA COVER - SERVO	062-0545
32	113245-01-707	EA O'RING #8	045-0126
33	103930-17-702	EA O'RING #10	045-0127
	103930-55-704	EA CORE-HEATER	042-0059
	110279-01-703	EA HOSE-VENT F/BLOWER MOTOR	051-0034
CONTACT WINNEBAGO PART SALES FOR UNLISTED COMPONENT(S)			

KEY	PART NUMBER	U/M DESCRIPTION	VENDOR NO
	103930-17-702	EA O'RING #10	045-0127
	103930-59-700	EA HOSE - A/C-#12EVAP/COMP 80"	085-0574
	113245-01-710	EA O'RING, #12	045-0128





REV		DATE	DWG NO	
REV	ZONE	REVISION RECORD		DATE
				DATE
				DATE

A/C-CENTRAL
105620-24-000(UP TO 03-29-10)
105620-25-000(AFTER 03-30-10)
105620-24-000(UP TO 10-18-09) P34Y
150620-19-000(AFTER 10-19-09)(UP TO 04-14-10) P34Y
105620-25-000(AFTER 04-15-10) P34Y
(SEE DETAIL E) SHT 2 FOR
WIRING INFORMATION)

3
AIR DUCT-UPPER,LH
M09204-17-000
BRACKET-ALIGNMENT
168980-01-000(2)
RIVET
113133-02-01A(8)
INSULATION-AIR POCKET
105290-01-000
TAPE AL 3"
88479-01-000
(6450)

SEALANT
069640-03-000
TAPE-AL 3"
88479-01-000
(750)
SCREW
G67-10-12B (6)

AIR DUCT-UPPER,RH
M09204-17-000
INSULATION-AIR POCKET
105290-01-000
TAPE AL 3"
88479-01-000
(4790)

TAPE AL 3"
88479-01-000
(1800)

STRAP-MOUNTING,AIR DUCT
129047-01-CHT
SCREW
G67-10-12B (4)

PLENUM-A/C
159404-07-000
FOAM-EXPANDED
100619-13-000
CORNER-W/HOLES
159408-07-01A
SCREW
G39-08-12U (14)
(CORNER TO PLENUM)
SCREW
G39-10-20U (16)
(PLENUM TO DUCT)

SEAL
134588-02-000
SCREW
G39-08-129 (12)

DUCT-CENTRAL AIR,FORCED,LWR
P47621-01-000
INSULATION-PLENUM A/C
148848-01-000
148848-02-000
TAPE AL 3"
088479-01-000
(1300)

CRADLE ASM
158964-01-02B
BOLT
106956-18-000 (4)
WASHER-LOCK
E11-08-00B (4)
WASHER
E13-22-00B (4)
RETAINER-A/C
128525-02-02B (2)
SCREW
G39-10-12D (4)
(SEE DETAIL E SHT 2
FOR RETAINER LOCATIONS)

SEAL
107721-07-000 (2)
(500 MM)
APPLY TO TOP OF A/C UNIT
FORWARD OF GASKET FOR RETURN AIR

P34Y
P39N
167281-01

- 3 USE STAPLES 029121-01-000 TO ATTACH INSULATION.
- 2 SEE LOAD CENTER/ATS ASM FOR ADDITIONAL INFORMATION.
- 1 MEASURED TO ROTOCAST SURFACE.

WINNEBAGO INDUSTRIES		COPYRIGHT 2010 WINNEBAGO INDUSTRIES, INC.	
DISTR		ORIG. DATE	
CHGR		ALL DIMENSIONS ARE IN MILLIMETERS	
P.E.		FIRST USED	
M.E.			
DSNR			
UNSPECIFIED TOLERANCES ARE:		MATERIAL:	
WHOLE DIM (X) ±			
ONE-PLACE (X.X) ±			
TWO-PLACE (X.XX) ±			
ANGLE ±			
THIRD ANGLE PROJECTION			
DO NOT SCALE DRAWING		REFER TO ES0018 FOR FASTENER TIGHTENING GUIDELINES	
TITLE: A/C SYSTEM INSTL-COACH			
SHEET OF		PART NO	
REV		REV	

2
CONDUIT ASM-CENTRAL A/C
CLAMP
083610-01-000 (3)
(CLAMP EVERY 600 mm)

PANEL-TRAY, A/C FILTER
139757-02-02B
SCREW
G67-10-10U (4)

FILTER
109050-01-000

GASKET-DUCT
134588-04-000

FLOOR ASM

069640-31-000

SCREW
G39-08-24B (8)

SEAL
104692-01-000

SCREW
G11-08-20B (4)

PLATE
129051-01-01A
RIVET
118626-01-CHT (3)

SCREW
G39-08-12B (4)

WIRE ASM-THERMOSTAT
TIE WIRE TO 110V
WIRING WITH
WIRE TIE
008343-02-000

BRACKET-ZEE
130481-01-01A (2)
SCREW
G39-08-089 (8)

SECTION A-A

SECTION B-B

DETAIL C
(2 PLCS)

SEALANT
72889-20-000
(INSERTED INTO
CORNER W/HOLES
BEFORE ASSEMBLY)

167281-01

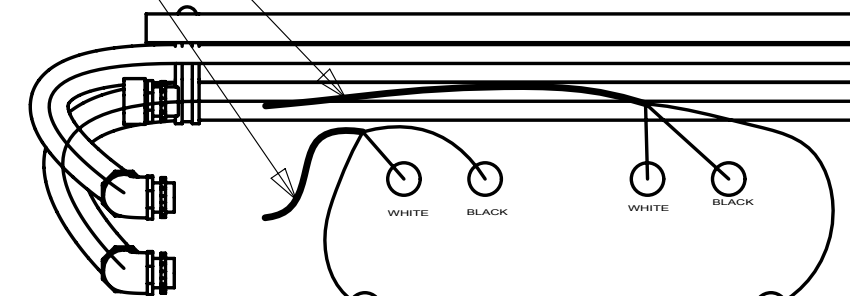
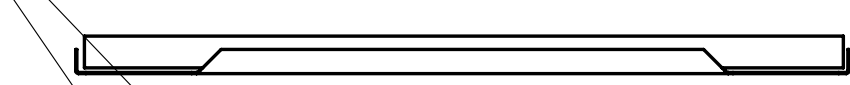
FROM LOAD CENTER

SEALANT
72889-20-000
(AROUND INNER
DUCT FLANGE)

U-CHANNEL-W/HOLES
160755-01-02B (2)
RIVET
118626-01-01A (8)

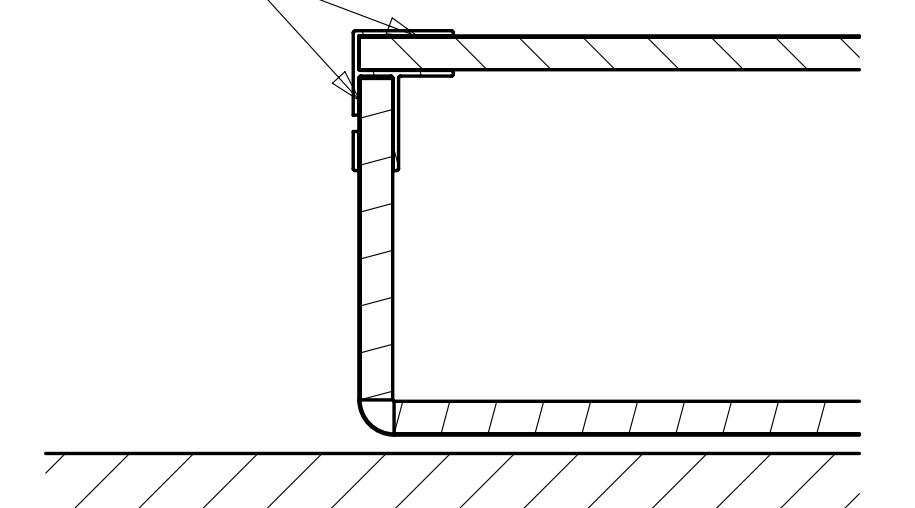
TAPE-AL 3"
88479-01-000
(1000)
(AROUND DUCT SEAM)

SECTION D-D



GROUND LUG

TAPE-AL 3"
88479-01-000
(1000)
(AROUND DUCT SEAM)



SECTION G-G

U-CHANNEL-W/HOLES
160755-01-02B (2)
RIVET
118626-01-01A (8)

SEALANT
72889-20-000
(AROUND INNER
DUCT FLANGE)

SECTION F-F

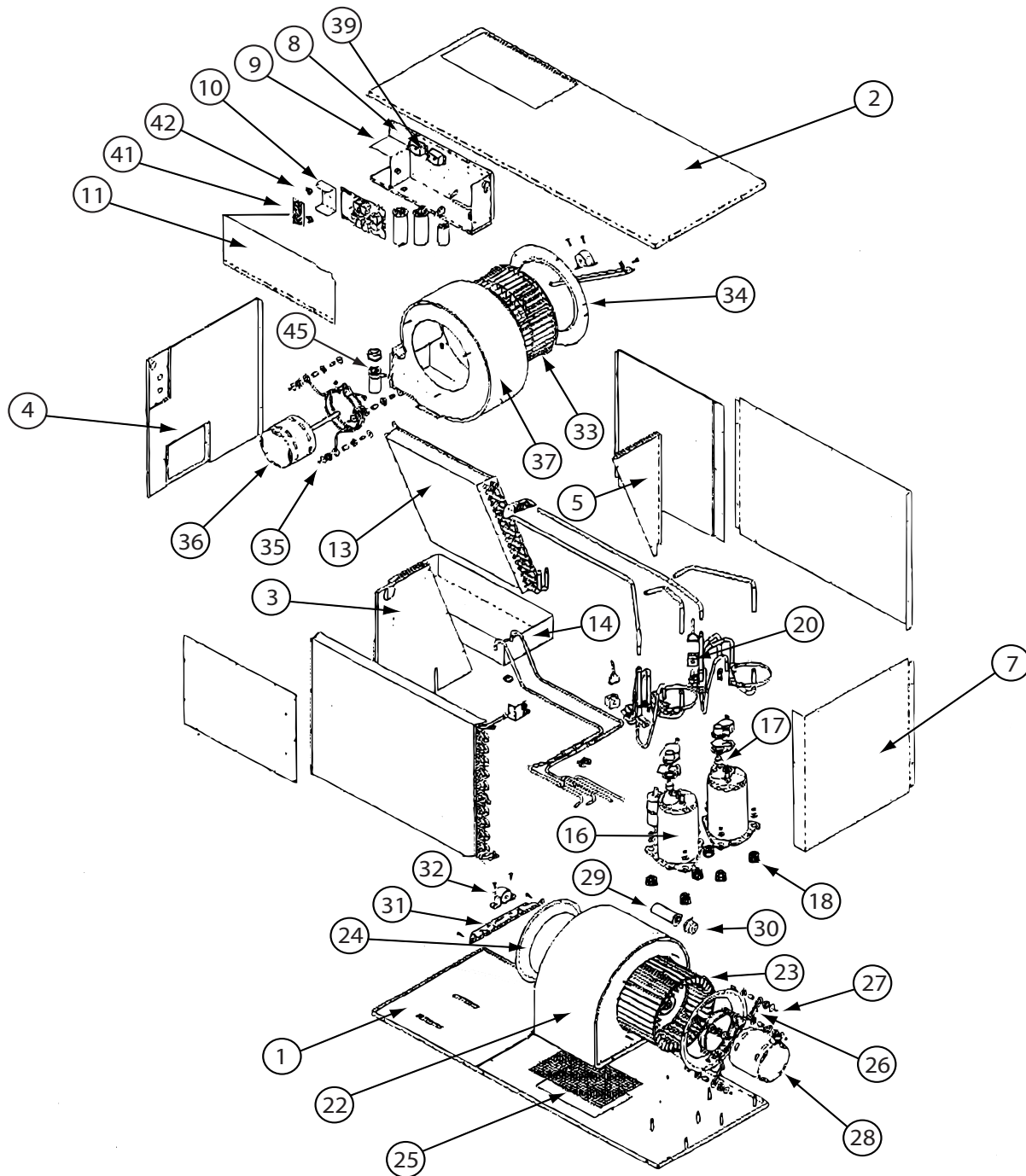
RETAINER-A/C (REF)

VIEW E

70.0

1070.0

FIRST USED		
DO NOT SCALE DRAWING		
TITLE: A/C SYSTEM INSTL-COACH		
SHEET	PART NO	REV



105620-19-000

105620-19-000 (CONTINUED)			
KEY	PART NUMBER	U/M DESCRIPTION	VENDOR NO.
12	105620-19-701	EA CONDENSER COIL	1452-173
13	105620-19-702	EA EVAPORATOR COIL	1452-172
14	105620-19-703	EA DRAIN PAN	6538-314
15	105620-12-703	EA VALVE - DRAIN	6795-200
16	105620-12-704	EA COMPRESSOR (TECHUMSEH)	1450-2149
17	105620-12-705	EA OVERLOAD	1450-0081
18	105620-01-706	EA MOUNTING PKG.,COMP., 3 PER	6759-3081
20	105620-12-708	EA COIL - SOLENOID	1460-1081
21	105620-19-704	EA BY-FLOW RESTRICTOR	1454-259
22	105620-19-700	EA BLOWER HOUSING/OUTSIDE AIR	6536A515
23	105620-01-713	EA WHEEL-BLOWER/OUTSIDE AIR	1472-1611
24	105620-01-714	EA VENTURI-BLOWER/OUTSIDE AIR	6795A150
25	105620-16-706	EA SCREEN/SAFETY	6795B313
26	105620-01-715	EA MOUNT-BLOWER/OUTSIDE AIR	6795A3011
27	105620-01-716	EA SLEEVE & GROMMET, 4 PER PKG	6795A3031
28	105620-10-721	EA MOTOR/BLOWER-8 3/4" SHAFT	1468A3029
29	105620-01-718	EA CAPACITOR-FAN(OUTDOOR MOTOR)	1499-5631
30	105620-10-715	EA RUBBER CAPACITOR BOOT	1499-951
31	105620-01-700	EA BEARING BRACKET/OUTSIDE AIR	6536-514
32	105620-10-701	EA BEARING/PILLOW BLOCK-O/S AIR	6536-3011
33	105620-11-701	EA BLOWER WHEEL/INSIDE AIR	1472-1151
34	105620-12-715	EA BLOWER VENTURI/INSIDE AIR	6535A287
35	105620-01-723	EA MOUNT-BLOWER MOTOR - I/S AIR	6795-302
36	105620-19-705	EA MOTOR-BLOWER-INSIDE AIR-REV.	1468A3219
37	105620-19-706	EA BLOWER HOUSING/INSIDE AIR	6537A590
38	105620-01-729	EA RELAY-COMPRESSOR -4 TERMINAL	1460-1131
39	126859-01-703	EA CAPACITOR - RUN	1499-5671
40	105620-16-708	EA BOARD/TERMINAL- HIGH VOLTAGE	6795-3151
41	105620-01-723	EA GROUND PLUG	1216228
42	105620-10-705	EA PTCR (START DEVICE) - W/CAP.	8333A9021
43	105620-12-727	EA CIRCUIT BD(6535 C SERIES)	6535C3201
44	093763-01-704	EA CAPACITOR-FAN (INDOOR MOTOR)	1499-5461
	105620-12-719	EA COIL SENSOR	7330A3231
CONTACT WINNEBAGO PART SALES FOR UNLISTED COMPONENTS			

SHROUD-FURNACE
133323-03-01A
SUPPORT FURNACE SHROUD
133611-02-02B
SCREW
000G39-10-10B (4)

PANEL
145895-06-02B
SCREW
000G39-10-10T (11)
PANEL
126693-05-02B
GASKET
141337-01-01A

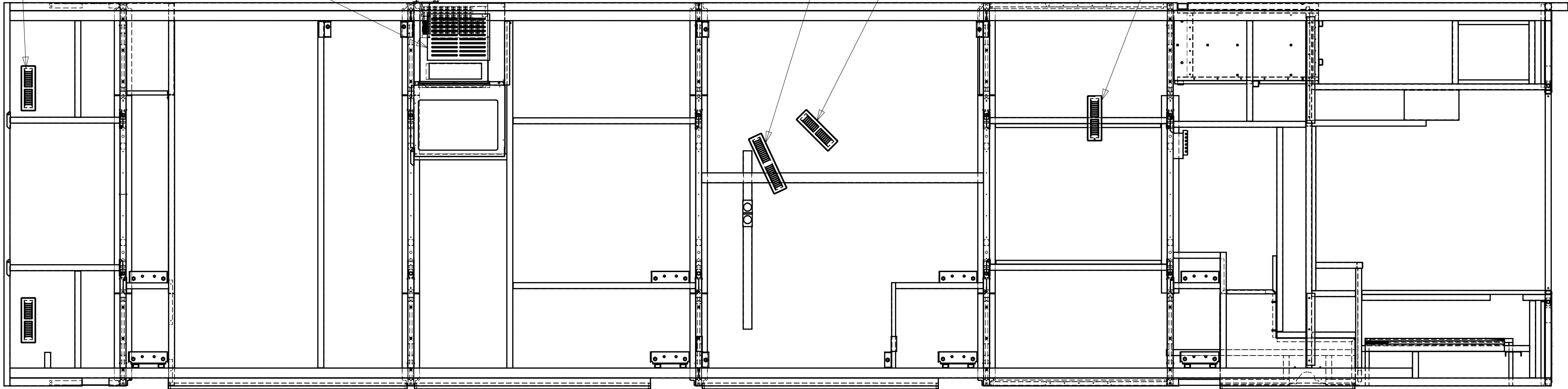
REGISTER-HEAT
137965-10-02A

REGISTER-HEAT
137965-01-02A

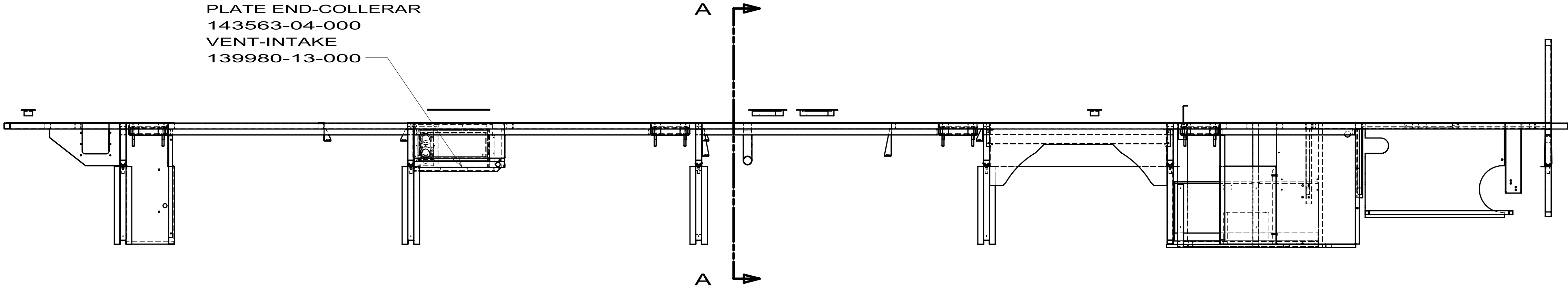
REGISTER-HEAT
137965-04-02A

GRILL-RETURN AIR
093614-13-02A
SCREW
000G11-12-140 (2)

REGISTER-HEAT
137965-03-02A(2)



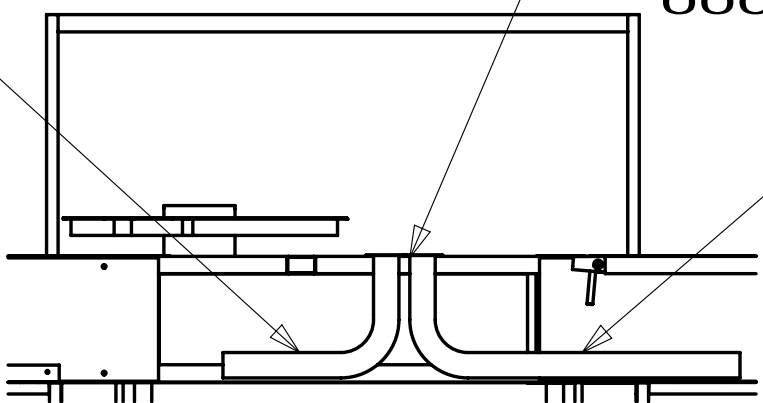
FURNACE
143563-08-000
GASKET-FIBERGLASS
143563-05-000
PLATE END-COLLERAR
143563-04-000
VENT-INTAKE
139980-13-000



DUCT
009198-02-000
(560)

ADAPTOR-DUCT,2"
092776-01-000 (2)
SCREW
000G39-08-08T (4)

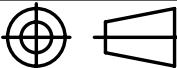
DUCT
009198-02-000
(900)

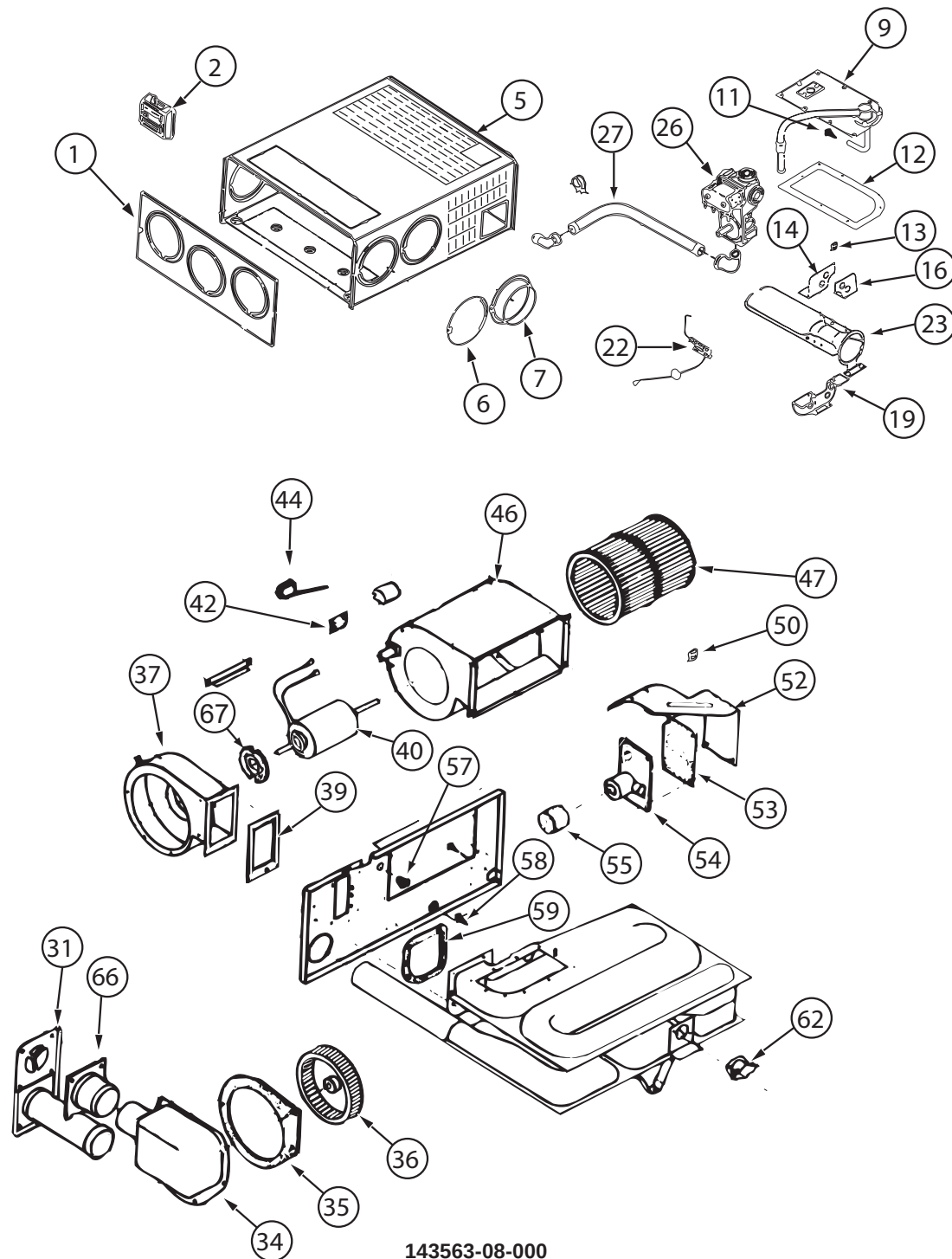


SECTION A-A

- NOTES:
1. FURNACE WILL BE INSTALLED TO VENDORS SPECIFICATIONS.
 2. USE SEAL 090340-01-000 ON ALL SURFACES THAT CONTACT FLOOR.
 3. ALL EXPOSED EDGES MUST BE COVERED WITH TAPE 088479-01-000.
 4. ALL FLEXIBLE DUCTS TO BE SECURED TO FLOOR OR WALL AT 1219 INTERVALS MAXIMUM USING CABLE TIE 108046-02-000.
 5. SECURE ALL TEES OR SPLICES WITH A FLEXIBLE DUCT TO FLOOR OR WALL USING CABLE TIE 108046-02-000.

SEE CHART
FOR COLOR VARIATIONS
OF THIS PART

WINNEBAGO® INDUSTRIES		COPYRIGHT 2009 WINNEBAGO INDUSTRIES, INC.	
DFTR		ORIG. DATE	
CHKR		ALL DIMENSIONS ARE IN MILLIMETERS	
P.E.			
M.E.		FIRST USED	
DSNR		09 M39N	
UNSPECIFIED TOLERANCES ARE:		MATERIAL:	
WHOLE DIM (X) ± 3			
ONE-PLACE (X.X) ± 1.5			
TWO-PLACE (X.XX) ± 0.50			
ANGLE ± 1°			
THIRD ANGLE PROJECTION			
DO NOT SCALE DRAWING			
TITLE: HEATING SYSTEM INSTL			
SHEET 1 OF 1		PART NO 165059	REV



143563-08-000

143563-08-000 (CONTINUED)

KEY	PART NUMBER	U/M	DESCRIPTION	VENDOR NO.
1	143563-01-700	EA	CABINET - FRONT	101907
5	143563-08-700	EA	CABINET	102102
7	075696-02-703	EA	COLLAR - DUCT	050715
9	143563-08-701	EA	MANIFOLD ASSEMBLY	171638
11	143563-02-701	EA	ORFICE - MAIN BURNER	180309
12	098668-22-703	EA	GASKET - BURNER ACCESS COVER	070811
14	143563-02-702	EA	PLATE - SECONDARY AIR/TOP BACK	063198
16	143563-02-703	EA	PLATE - SECONDARY AIR/TOP FRT	062933
19	143563-02-704	EA	PLATE - SECONDARY AIR/BOTTOM	062935
22	139980-01-701	EA	ELECTRODE	232286
23	098668-11-701	EA	BURNER ASSEMBLY, SF-42F	010799
26	143563-08-702	EA	VALVE-GAS	161192
27	143563-08-703	EA	PIPE ASSEMBLY (GAS INLET)	171655
31	098668-01-707	EA	TUBE ASSEMBLY, EXHAUST W/CAP	260231
32	098668-01-713	EA	TUBE ASSEMBLY, INTAKE	051248
34	139980-01-703	EA	HOUSING/COMB. - FRONT/HALF	390852
37	139980-01-704	EA	HOUSING/COMB. - REAR/HALF	390848
38	098668-22-702	EA	WHEEL-COMBUSTION AIR	350183
39	139980-01-705	EA	GASKET/FIREWALL-COMB AIR	071084
40	143563-08-704	EA	MOTOR ASSEMBLY W/GASKET	232850
42	143563-08-705	EA	BLOWER ASM(ROOM AIR)FRONT1/2	390873
44	143563-08-706	EA	BLOWER ASM(ROOM AIR)REAR 1/2	390921
45	143563-08-707	EA	SWITCH-SAIL	232868
48	139980-01-710	EA	SWITCH - ON/OFF	232351
49	139980-01-712	EA	INSULATOR - MODULE BD	070807
50	098668-22-705	EA	MODULE BD W/RELAY TIME DELAY	520820
51	139980-01-713	EA	CAP/INSULATOR-MODULE BD	070973
52	098668-01-711	EA	WHEEL-BLOWER, ROOM AIR	350129
54	139980-01-714	EA	BUSHING - UNIVERSAL	070362
56	143563-08-708	EA	BUSHING - STRAIN RELIEF	230216
57	098668-01-716	EA	GASKET-FIREWALL,CHAMBER SIDE	070808
58	143563-02-707	EA	CHAMBER ASM. - FINAL	021172BK
59	098668-22-706	EA	SWITCH/LIMIT-195 TRIP TEMP	232505
65	143563-05-709	EA	PANEL ASSEMBLY-MODULE BD	102078
67	143563-08-710	EA	MODULE BOARD - DUAL CONTROL	232806
CONTACT WINNEBAGO PART SALES FOR UNLISTED COMPONENT(S)				