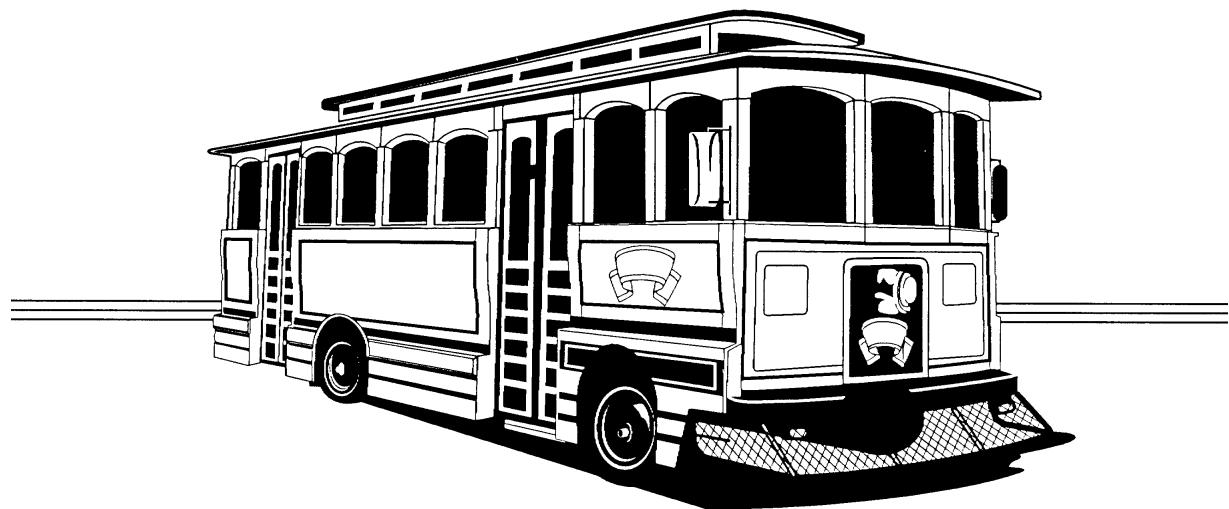


# AH-28 Streetcar Parts Catalog for ISB02



Part Number 24362900



Figure 2-1.	Front Suspension Installation.....	2-2
Figure 2-2.	Front Axle.....	2-4
Figure 2-3.	Rear Axle Assembly.....	2-8
Figure 2-4.	Rear Suspension Assembly .....	2-10
Figure 2-5.	Rear Suspension Installation .....	2-14
Figure 2-6.	Rear Axle Assembly .....	2-18
Figure 3-1.	Air Charging System Installation .....	3-2
Figure 3-2.	Suspension Air System Installation.....	3-8
Figure 3-3.	Air Brake System Installation (Sheet 1 of 2) .....	3-11
Figure 3-4.	Piping Board (Sheet 1 of 2).....	3-17
Figure 3-5.	Body Air System Installation .....	3-22
Figure 3-6.	Manifold Plate Assembly.....	3-24
Figure 4-1.	Engine Installation.....	4-2
Figure 4-2.	Engine Oil Fill Tube Installation.....	4-4
Figure 4-3.	Engine Accessories - Roadside .....	4-6
Figure 4-4.	Engine Accessories - Curbside .....	4-8
Figure 4-5.	Alternator Installation .....	4-10
Figure 4-6.	Fan Installation.....	4-12
Figure 4-7.	A/C Compressor Installation .....	4-14
Figure 4-8.	Engine Accessories - Roadside .....	4-18
Figure 4-9.	B300 Transmission .....	4-20
Figure 4-10.	B300R Transmission Installation (Sheet 1 of 3).....	4-22
Figure 4-11.	Driveline .....	4-28
Figure 4-12.	Front Driveshaft.....	4-31
Figure 5-1.	Fuel Tanks .....	5-2
Figure 5-2.	Fuel System Installation .....	5-4
Figure 5-3.	Exhaust Installation (Sheet 1 of 2) .....	5-6
Figure 6-1.	Cooling System Installation B300 & B300R .....	6-2
Figure 6-2.	Surge Tank and Fill Plate Assemblies .....	6-6
Figure 6-3.	B300 Radiator Installation .....	6-10
Figure 6-4.	B300R Radiator Installation (Sheet 1 of 2).....	6-12
Figure 6-5.	B300R Radiator Installation (Sheet 2 of 2).....	6-13
Figure 7-1.	Power Steering Hydraulic System Installation .....	7-2
Figure 7-2.	Steering Column Installation .....	7-6
Figure 7-3.	Gear Box Assembly .....	7-8
Figure 8-1.	Forward Electrical Installation .....	8-2
Figure 8-2.	Engine Component Bracket B300/B300R.....	8-4
Figure 8-3.	Junction Box.....	8-8
Figure 8-4.	Battery Installation.....	8-10
Figure 8-5.	Dash Component Bracket B300 / B300R.....	8-14
Figure 8-6.	Clearance Light Installation.....	8-18
Figure 8-7.	Parking, Turn Signal, and License Plate Lamps .....	8-22
Figure 8-8.	Interior Lights and Speakers .....	8-24
Figure 8-9.	Deutsch Connector Parts .....	8-26
Figure 8-10.	Left Instrument Panel .....	8-28
Figure 8-11.	Center Instrument Panel .....	8-30
Figure 8-12.	Right Instrument Panel.....	8-32
Figure 9-1.	Bell Installation, Manual .....	9-2
Figure 9-2.	Bell Installation, Electric .....	9-4
Figure 9-3.	Bell Gong Assembly .....	9-6
Figure 9-4.	Bumper Installation, Front and Rear .....	9-8

Figure 9-5.	External Mirror Installation .....	9-10
Figure 9-6.	Cow Catcher Installation .....	9-12
Figure 9-7.	Grille Panel Assembly .....	9-14
Figure 9-8.	Screen Assembly ISB02 .....	9-18
Figure 9-9.	Grille Panel Installation .....	9-20
Figure 9-10.	Cupola Installation and Windows .....	9-22
Figure 9-11.	Window Installation, Full Sliders .....	9-24
Figure 9-12.	Window Installation .....	9-28
Figure 9-13.	Interior and Exterior Window Fillers .....	9-32
Figure 9-14.	Center Headlight Assembly.....	9-34
Figure 9-15.	Front and Rear Mud Flap Installation.....	9-36
Figure 9-16.	Windshield Wiper Installation.....	9-38
Figure 9-17.	Windshield Wiper Motor and Controls.....	9-40
Figure 9-18.	Front Wheel Well Forward Deflectors .....	9-42
Figure 9-19.	Decal Installation.....	9-44
Figure 9-20.	Junction Box Door.....	9-46
Figure 9-21.	Upper Exterior Skin Installation.....	9-48
Figure 9-22.	Drip Cap Installation.....	9-50
Figure 9-23.	Front and Rear Wall Trim.....	9-52
Figure 9-24.	Roadside And Curbside Trim.....	9-56
Figure 9-25.	Skirt Installation (w/Wood Trim) .....	9-60
Figure 9-26.	Front Skirt Assembly, Incandescent and LED Lights, Roadside.....	9-62
Figure 9-27.	Battery Skirt Assembly .....	9-66
Figure 9-28.	Forward Skirt Assembly .....	9-70
Figure 9-29.	Rear Skirt Assembly.....	9-74
Figure 9-30.	Front Skirt Assembly, Curbside.....	9-78
Figure 9-31.	Fuel Skirt Assembly .....	9-82
Figure 9-32.	Forward of Aft Door Skirt Assembly .....	9-86
Figure 9-33.	Rear Skirt Assembly, Curbside .....	9-88
Figure 9-34.	Skirt Installation, Non-Wood.....	9-90
Figure 9-35.	Front Skirt Assembly, Incandescent and LED Lights, Roadside.....	9-92
Figure 9-36.	Battery Skirt Assembly .....	9-96
Figure 9-37.	Forward Skirt Assembly .....	9-98
Figure 9-38.	Rear Skirt Assembly.....	9-100
Figure 9-39.	Front Skirt Assembly, Incandescent and LED Lights, Curbside.....	9-102
Figure 9-40.	Fuel Skirt Assembly .....	9-106
Figure 9-41.	Forward of Aft Door Skirt Assembly .....	9-110
Figure 9-42.	Rear Skirt Assembly, Curbside .....	9-112
Figure 10-1.	.....	10-2
Figure 10-2.	.....	10-3
Figure 10-3.	.....	10-4
Figure 10-4.	.....	10-5
Figure 10-5.	.....	10-6
Figure 10-6.	.....	10-7
Figure 10-7.	.....	10-8
Figure 11-1.	.....	11-2
Figure 11-2.	.....	11-3
Figure 11-3.	.....	11-4
Figure 11-4.	.....	11-5
Figure 11-5.	.....	11-6
Figure 11-6.	.....	11-7

Figure 11-7.	.....	11-8
Figure 12-1.	.....	12-2
Figure 12-2.	.....	12-3
Figure 12-3.	.....	12-4
Figure 12-4.	.....	12-5
Figure 12-5.	.....	12-6
Figure 12-6.	.....	12-7
Figure 12-7.	.....	12-8
Figure 13-1.	.....	13-2
Figure 13-2.	.....	13-3
Figure 13-3.	.....	13-4
Figure 13-4.	.....	13-5
Figure 13-5.	.....	13-6
Figure 13-6.	.....	13-7
Figure 13-7.	.....	13-8
Figure 14-1.	.....	14-2
Figure 14-2.	.....	14-3
Figure 14-3.	.....	14-4
Figure 14-4.	.....	14-5
Figure 14-5.	.....	14-6
Figure 14-6.	.....	14-7
Figure 14-7.	.....	14-8



## General

This parts catalog contains parts information for the AH-28 Streetcar. It consists of a List Of Figures, 14 Sections, a Vendor List, a Part Number Index, and an Alphabetical Index.

**List Of Figures** - A listing of all the figures in the parts catalog.

**Sections** - Each section consists of figures and parts listings. The figure always precedes the parts listing. Both figures and listings may be multiple pages. The first page of each section contains a list of figures for that section. The list of figures identifies each figure contained in that section and its respective page number.

**Figures** - Each part in each figure is numerically indexed with an Item Number. Once the desired part is located in the figure, use the Item Number assigned to that part to find it in the Listing that follows the figure. Fasteners (bolts, screws, washers, nuts, rivets) are normally shown in the Figures but not necessarily indexed. This is because they may be considered "Attaching Parts". These fasteners are listed following the part that they attach. They will always be preceded in the listing with "\*\*\*\* ATTACHING PARTS \*\*\*\*" and followed with "\*\*\*\* END OF ATTACHING PARTS \*\*\*\*". In some instances fasteners (bolts, screws, washers, nuts, rivets) are the parts. In these cases each item will be listed and indexed individually. All occurrences of the same part will be indexed with the same index number.

**Listing** - Provides information on each part shown in the preceding figure. This information consists of the Item Number, Part Number, Nomenclature, and Quantity used. When the Item Number is "NS", it means that the item is "Not Shown" in the figure. When the QTY is "AR", the quantity is "As Required". Where the same part is used in more than one place in a figure, it will be listed with a single index number and the total quantity used for that figure. When that index number has attaching parts, the quantities of the attaching parts will be for the installation of ONE of that index number. An example is three brackets are used in a figure. It will have a single index number with a quantity of three. The quantity of attaching parts that follow that bracket will be the number of parts required to install one bracket.

**Vendor List** - A listing of each vendor's name, address, phone number, and website.

**Part Number Index** - A listing of all part numbers in all figures. When only the part number is known, this index will identify the page or pages in the parts catalog where that particular part number is listed. This listing only contains the part numbers for assemblies and unique parts. Nuts, bolts, washers, and brackets are not listed. When information is needed for these parts look up the assembly that they attach.

**Alphabetical Index** - An alphabetical listing of all the parts in the catalog. When only the part name is known, this index will identify the page or pages in the parts catalog where that particular part name is listed. This listing only contains the part names for assemblies and unique parts. Nuts, bolts, washers, and brackets are not listed. When information is needed for these parts look up the assembly that they attach.

## Table Presentation

All table borders in this document are lined. When the bottom border is open, it indicates that the table is continued on the next page.

## Summary of Changes

The revisions to this manual are summarized in [Table 1](#).

**Table 1. Summary of Changes**

<b>Revision</b>	<b>Issue Date</b>	<b>Description</b>
--	xxxxx 2004	Original Release

## Document Comment Form

This manual contains a document comment form on the following page. Its intent is to provide feedback from the customer to Optima Bus Corp on the quality of its documentation. Please complete this form and let us know how well this manual fulfilled your needs.

## Document Comment Form

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| 1. Did this manual provide the information you needed?             | Yes | No |
| 2. Were you able to locate the information in a timely manner?     | Yes | No |
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|  |     |    |
| 4. When performing steps in this manual, were they easy to follow? | Yes | No |
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| 6. Did you find any technical errors in this manual?               |     |    |
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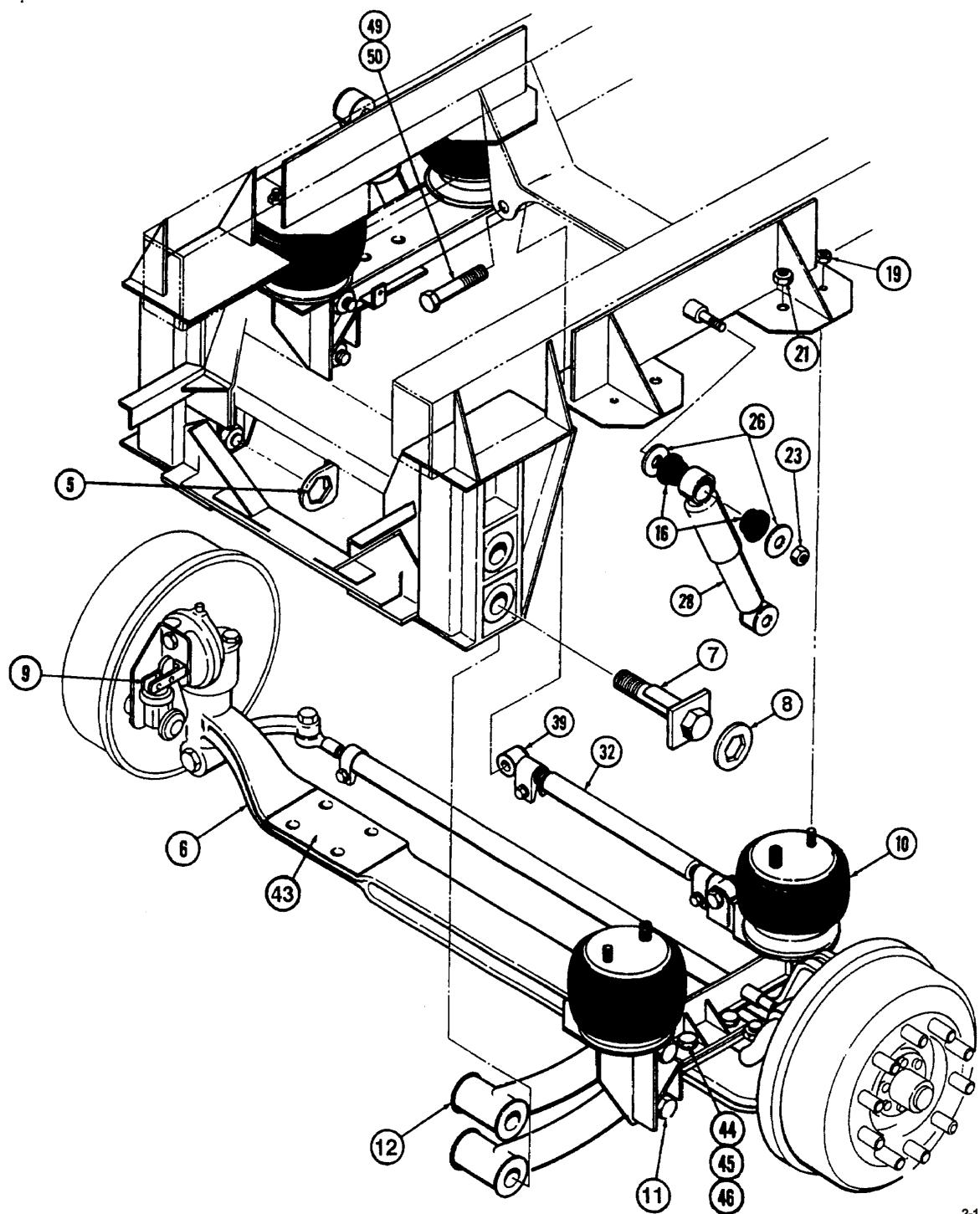
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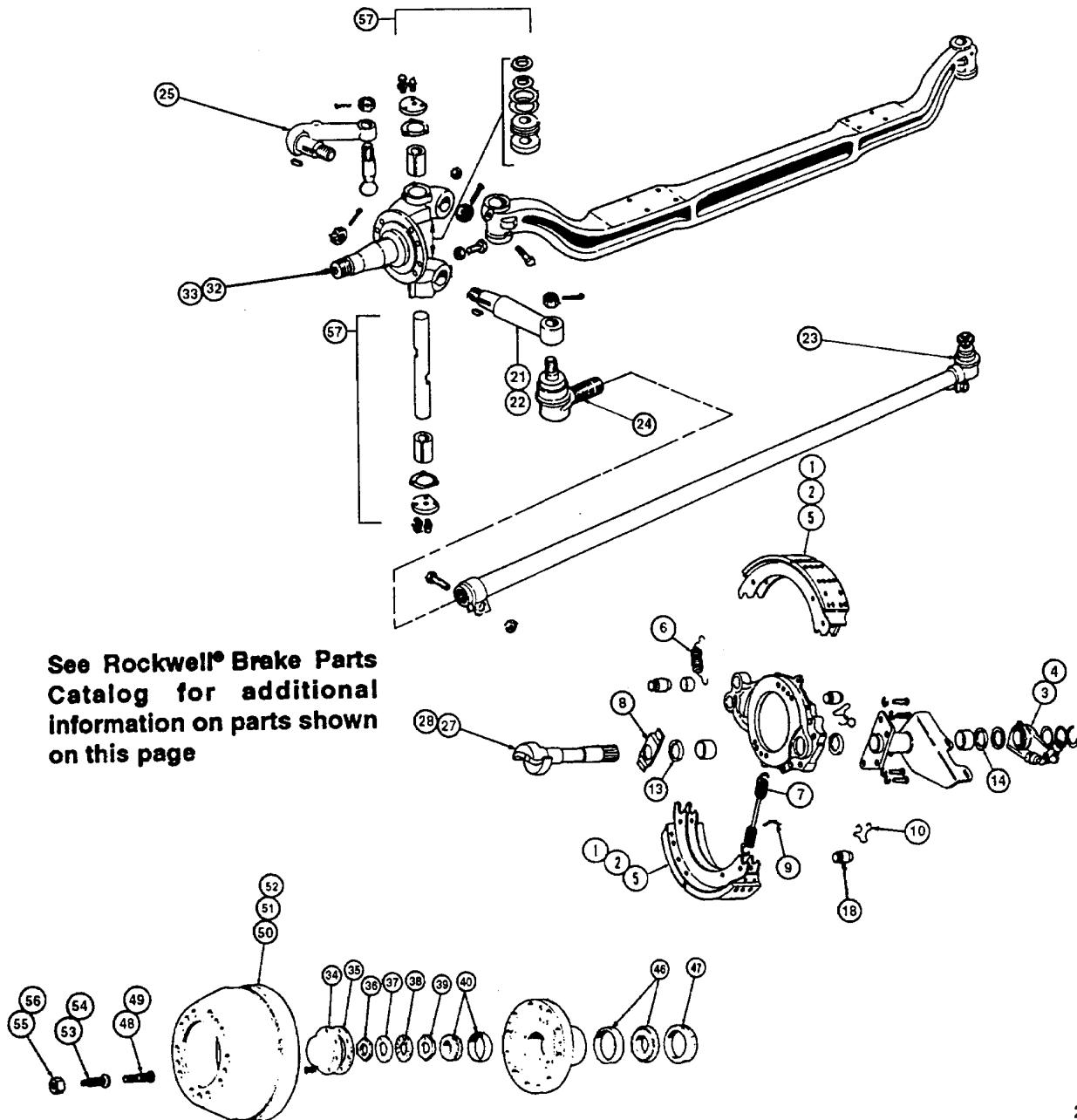
Figure 2-1	Front Suspension Installation.....	2-2
Figure 2-2	Front Axle.....	2-4
Figure 2-3	Rear Axle Assembly.....	2-8
Figure 2-4	Rear Suspension Assembly.....	2-10
Figure 2-5	Rear Suspension Installation.....	2-14
Figure 2-6	Rear Axle Assembly.....	2-18



2-1

Figure 2-1. Front Suspension Installation

ITEM	PART NO.	DESCRIPTION	QTY
	20-5030-001	Front Suspension Installation	REF
5	30734100	Bolt, Lockdown	4
6	20324912	Axle, Front, AH-28, RT-52, AMTV T	1
	20325012	Axle, Front, 1997, AH28 16" Bra	1
	20325025	Axle, Front, AH28, ABS-Ready	1
	20325112	Axle, Front, AH28 W/O ABS	1
7	23891712	Bolt Assembly, Eccentric	4
8	23891716	Washer, Anti-Turn (RD/W)	4
9	23878600	Kit, Clevis-Slack Adjusters	2
10	23891601	Air Spring, Front Suspension	4
11	23891608	Bushing, 1 1/2" ID x 4 7/16" LG, 60D	4
12	23891707	Bushing, 1 1/2" ID x 4 7/16" LG	4
16	23891602	Bushing, Shock Absorber	8
18	61224302	Bolt, 1-8 x 6 Gr8	1
19	23891736	Locknut, NI 1/2-13 RD/W	8
20	24757300	Locknut, N/I 1-8 Gr5, ZP	1
21	23891735	Locknut, Jam-Thin, 3/4-16, RD/W	4
23	23891609	Locknut, Thin-Front Suspension	4
26	23891732	Washer, Flat, 1 SAE RD/W	4
28	26709100	Shock Absorber, Front	2
32	23891721	Sway Bar 24"	1
39	23891708	Bushing 1" ID x 3" LG	2
43	36990500	Spacer, Front Axle	2
44	60963801	Bolt, 3/4-16 x 4 3/4 Gr8	8
45	64805700	Nut, Flexloc 3/4-16 Full	8
46	68552800	Washer, Flat 3/4 Hrd A32 5	8
49	61047000	Bolt, 1-8 x 6 1/2, Gr8	1
50	64806000	Nut, Flexloc, 1-8 Full	1

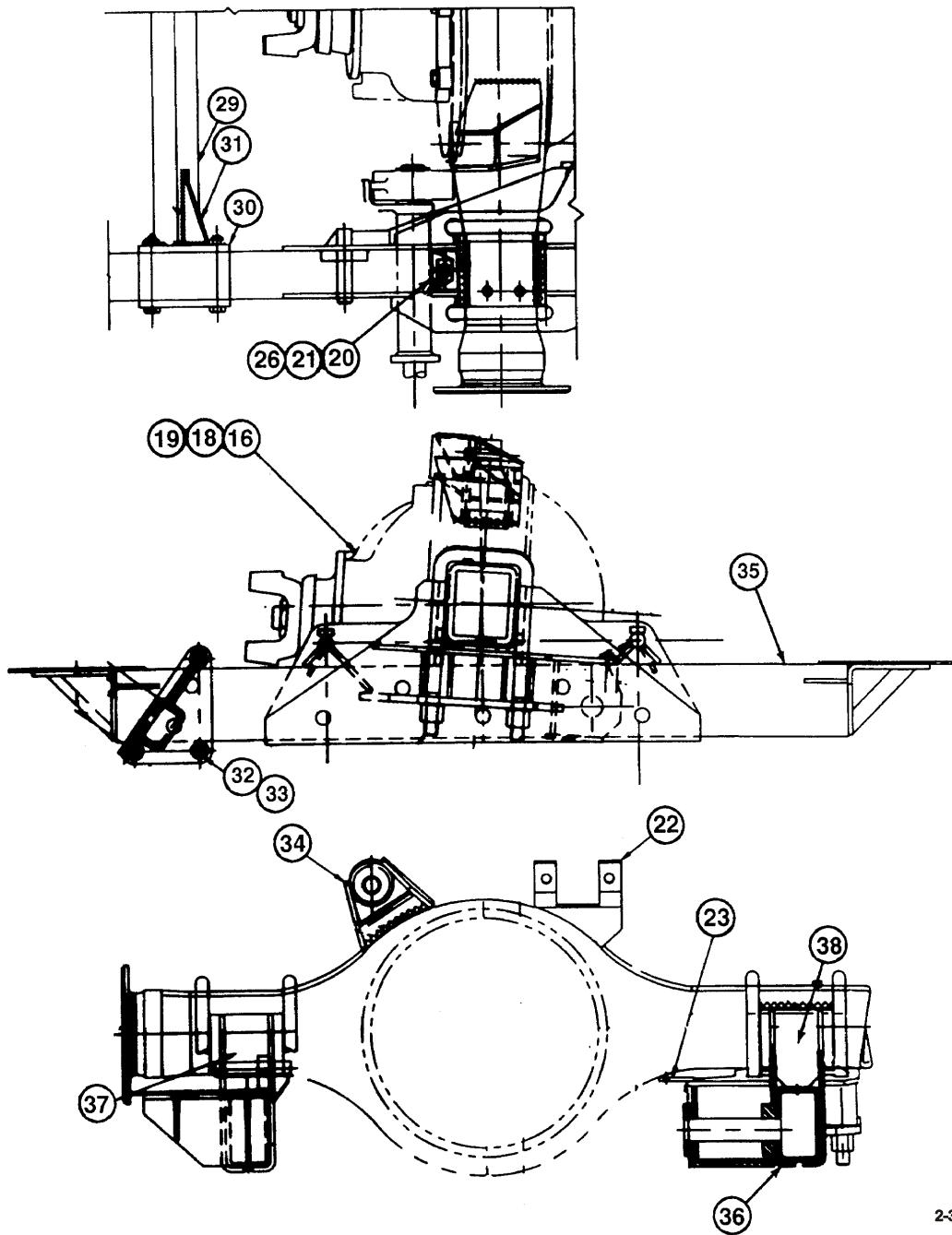


**Figure 2-2. Front Axle**

ITEM	PART NO.	DESCRIPTION	QTY
	20324912	Front Axle	REF
1	23877001	Kit, Brake Shoe, Front (RW)	2
2	23877002	Kit, Brake Shoe Hardware, FRT/REA	2
3	20140300	Adjuster, Slack, LH	1
4	20140400	Adjuster, Slack, RH	1
5	23877003	Kit, Brake Lining, Frt (RW)	2
6	27220401	Spring, Brake, Retainer (R/W)	2
7	27220501	Spring, Brake, Return (RW)	2
8	28565601	Washer, Cam Head R/W	4
9	26720100	Pin, Brake Shoe Return SPGR/W	2
10	26720200	Spring, Brake Shoe Roller Retainer	2
13	21054800	Bushing	2
14	26466301	Seal, Oil (R/W)	2
18	21026202	Pin, Anchor (R/W)	2
21	22495602	Tie Rod Arm, LH (R/W)	1
22	22495603	Tie Rod Arm, RH (R/W)	1
23	22495500	Tie Rod End, RH (R/W)	1
24	22495501	Tie Rod End, LH (R/W)	1
25	20268100	Steering Arm, (R/W)	2
27	23910000	Camshaft, LH (R/W)	1
28	23910100	Camshaft, RH (R/W)	1
32	23900200	Steering Knuckle Assembly, LH	1
33	23900300	Steering Knuckle Assembly, RH	1
34	21249602	Hub Cap Assembly, R/W	2
35	22996202	Gasket R/W	2
36	24738500	Nut, Jam, 1 1/2-12	2
37	28564000	Washer, Wheel Bearing Nut	2
38	26131600	Ring, Lock R/W	2

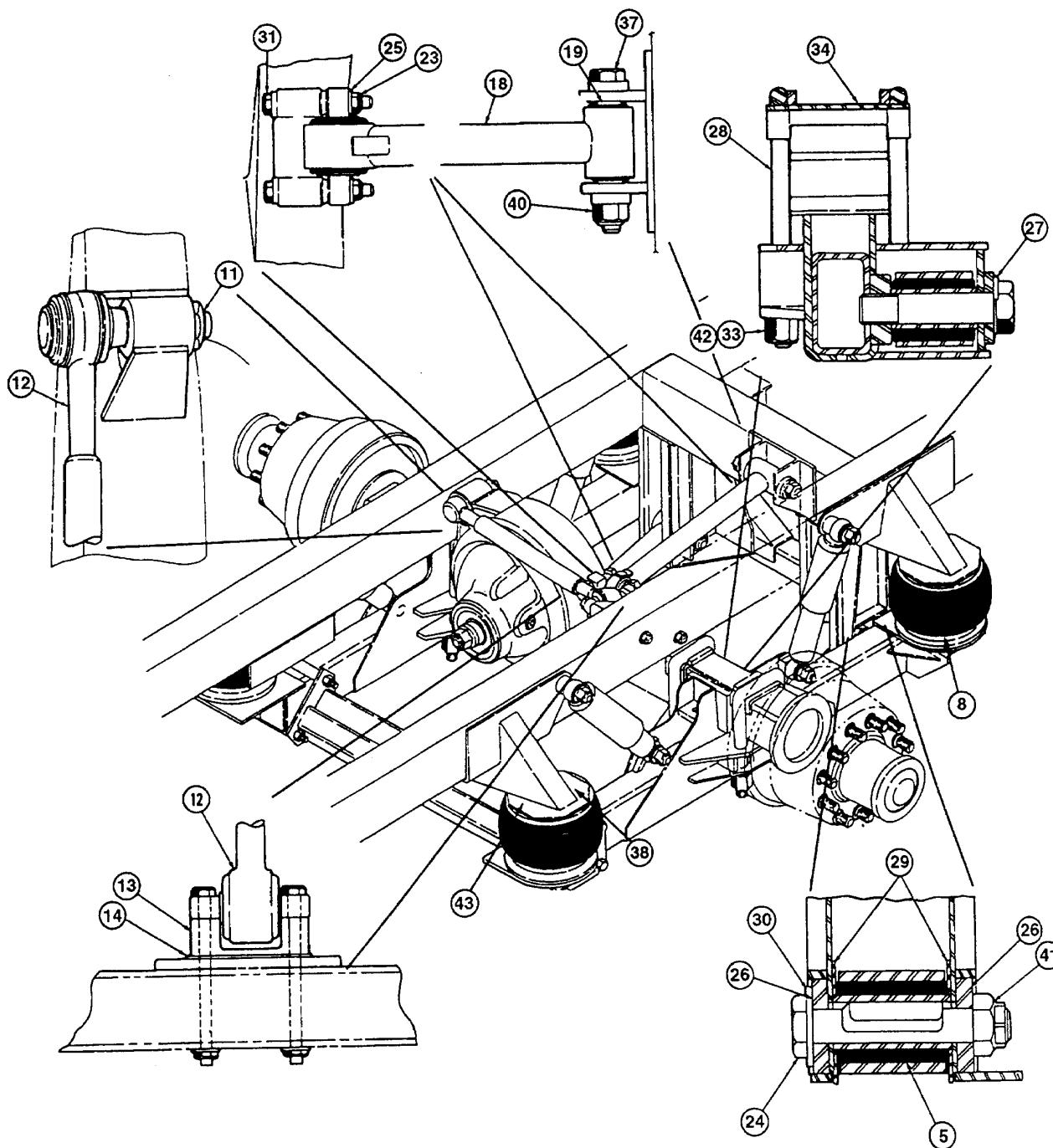
ITEM	PART NO.	DESCRIPTION	QTY
39	24737801	Nut, Wheel Bearing, Inner	2
40	20456612	Bearing, Cone, Outer	2
46	20456611	Bearing, Cone, Inner R/W	2
47	22996203	Gasket R/W	2
48	27534101	Stud, Wheel, LH	10
49	27534102	Stud, Wheel, RH	10
50	21535400	Chamber, Air Type 16 (Midland)	2
51	23566100	Hub & Drum Assembly, Front, LH	1
52	23566200	Hub & Drum Assembly, Front, RH	1
53	27536501	Stud LH	10
54	27536502	Stud RH	10
55	24740000	Nut, Lug LH	10
56	24740200	Nut, Lug RH	10
57	23889702	Kit, King Pin (R/W)	2

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**Figure 2-3. Rear Axle Assembly**

ITEM	PART NO.	DESCRIPTION	QTY
	28-2112A	Rear Axle Weldment	REF
16	20325124	Axle, Rear, 5.86 Ratio	1
18	20325019	Axle, Rear, 4.63 Ratio, 24" BRAK	1
19	20325120	Axle, Rear, 4.88 Ratio	1
20	34946800	Pad, Mounting, Tapped	2
21	34946900	Pad, Mounting	2
22	30870800	Bracket, Torque Rod	1
23	30954600	Bracket, Chassis	2
26	60842000	Bolt, 1/2-13 x 1 1/2 Gr5	2
29	27640818	Tube, 3x2x1/4 w x 34 LG RD/w	1
30	27640817	Cross Tube Mounting Plate, RD/W	2
31	27640816	Gusset 1/4x2 3/4x5 RD/W	2
32	27640815	Bolt, RD/W	6
33	27640814	Locknut, 5/8-11 RD/W	6
34	27640813	Sway Bar Bracket Assembly RD/W	1
35	27640812	Lower Beam Assembly R/S RD/W	1
36	27640811	Lower Beam Assembly C/S RD/W	1
37	27640810	Plate 3/16x1 3/8x4 1/2 RD/W	2
38	27640809	Plate 3/16x1 3/8x5 RD/W	2

EFFECTIVE UNITS WITH VIN ENDING "001" THRU "006" ONLY



2-4

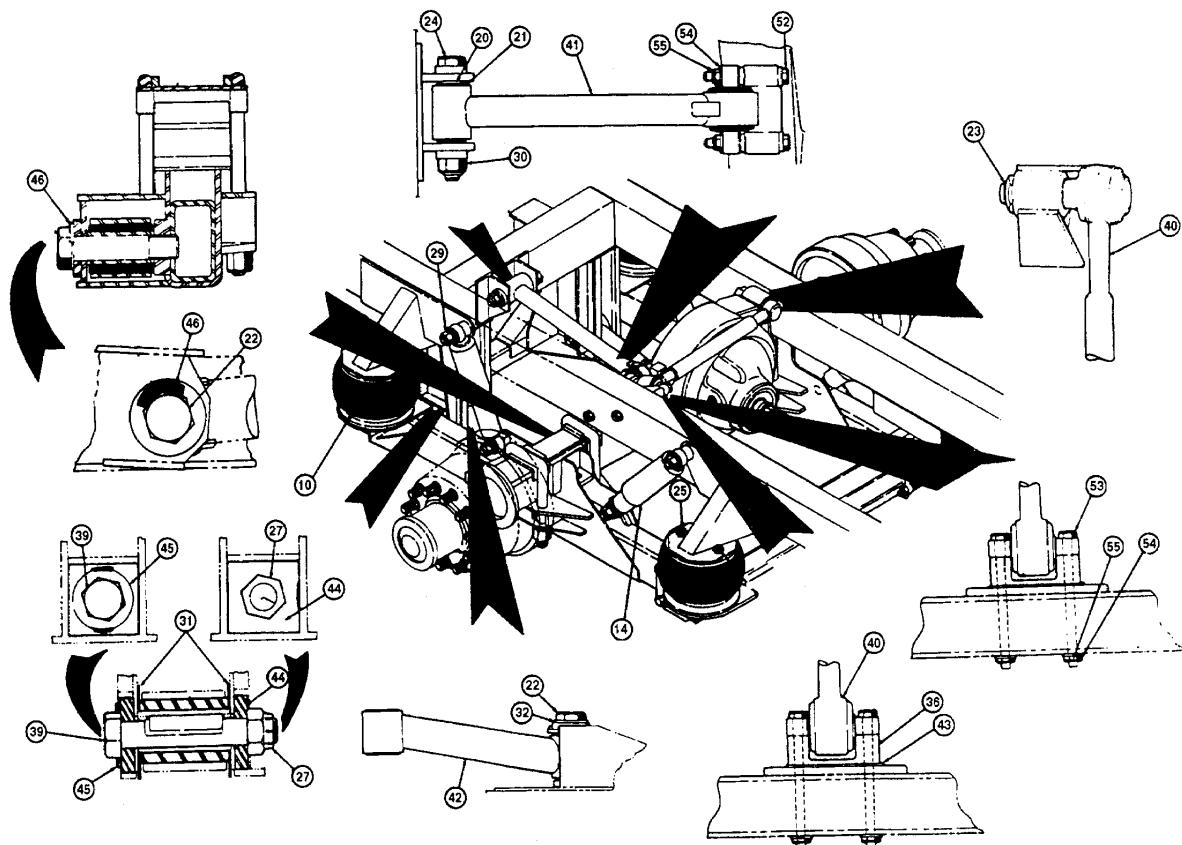
Figure 2-4. Rear Suspension Assembly

ITEM	PART NO.	DESCRIPTION	QTY
	28-5040A	Rear Suspension Installation	REF
5	23891702	Kit, Fastener, Rear Suspension	1
8	23891728	Air Spring, Rear Suspension	4
11	23891707	Bushing, 1 1/2 ID x 4 7/16 LG	1
12	27640901	Sway Bar, 20 1/16"	1
13	23891727	Bracket Assembly, Sway Bar	1
14	27640902	Kit, Sway Bar Shim	1
15	23891705	T-Beam Assembly, 18" LG, Straight	2
16	23891709	U-Bolt, 13 1/2" LG	1
17	23891602	Bushing, Shock Absorber	16
18	23891723	Torque Rod Assembly, 18"	2
19	27640903	Bushing, 1"ID x 4 3/32" LG	2
20	23891726	Shock, Rear Suspension	4
	23891602	Bushing, Shock Absorber	4
23	64805400	Nut, Flexloc, 5/8-11, Full	4
24	23891712	Bolt Assembly, Eccentric	2
25	68552900	Washer, Flat, 5/8 Hrd A325 Plain	12
26	23891715	Plate Clamping, Rear Suspension	2
27	23891711	Plate, Locking, Rear Suspension	2
29	23891713	Washer/Shim 9 GA Coated	4
30	23891716	Washer, Anti-Turn (RD/W)	2
31	60933200	Bolt, 5/8-11 x 4 1/2 Gr8	2
33	23891724	Nut, HH Tall, 7/8-14 RD/W	8
35	60916001	Bolt, 5/8-11 x 9 1/2, Gr8	2
38	23891736	Locknut, NI 1/2-13 RD/W	8
39	23891609	Locknut, Thin, Front Suspension	8
40	24757300	Locknut N/I 1-8 Gr5 ZP	1
41	64806500	Nut, Flexloc, 1 1/4-7 Full	2

ITEM	PART NO.	DESCRIPTION	QTY
42	23891733	Washer, Flat, 7/8 A-325 RD/W	8
43	23891735	Locknut, Jam, Thin, 3/4-16 RD/W	4
44	23891611	Lockwasher, Internal, Suspension	2

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## EFFECTIVE UNITS WITH VIN ENDING "007" &amp; ON



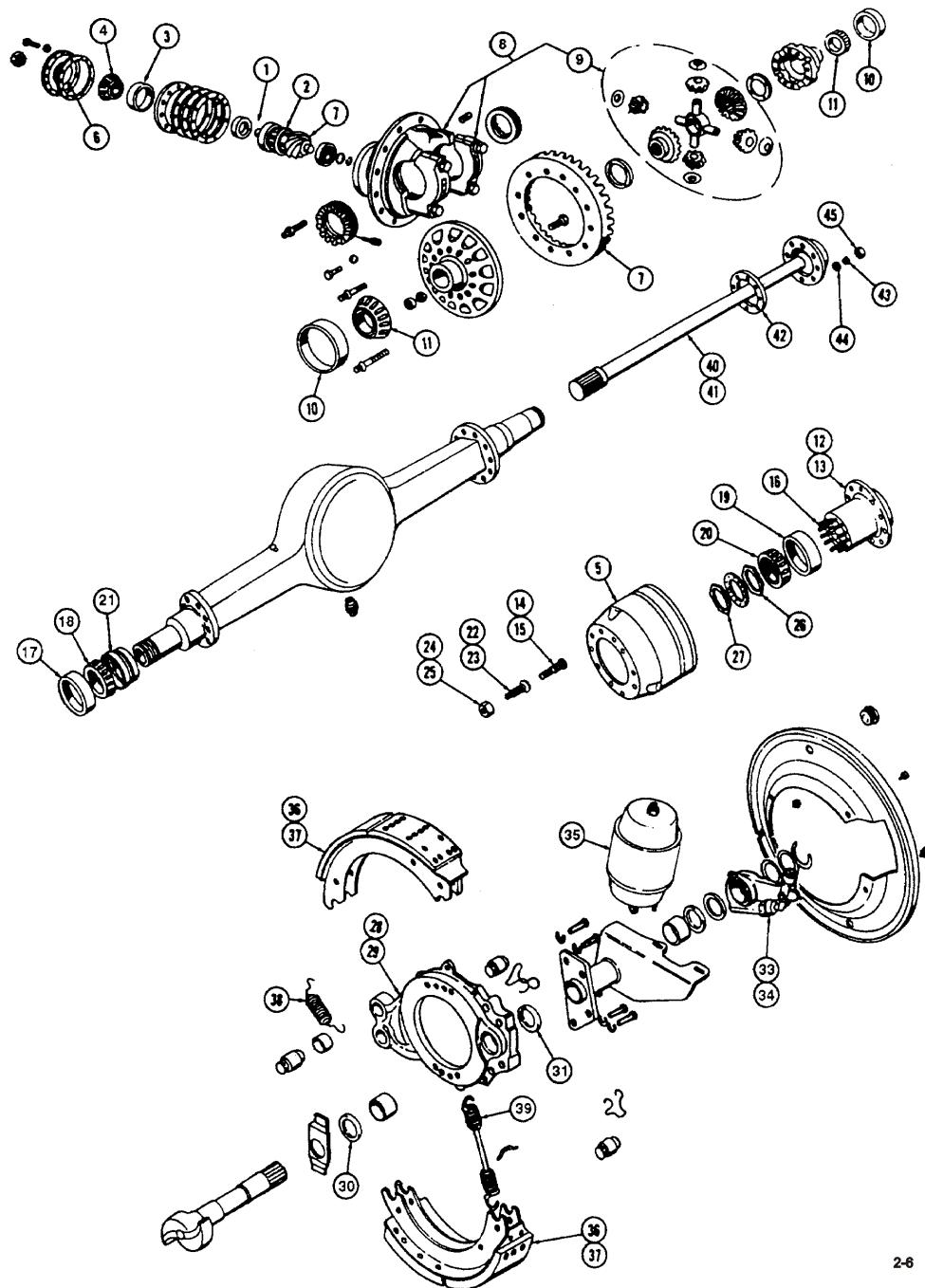
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Figure 2-5. Rear Suspension Installation

ITEM	PART NO.	DESCRIPTION	QTY
	28-5040A	Rear Suspension Installation	REF
10	27640807	Air Spring, AH-28	4
14	27640806	Shock Assembly, AH-28	4
	23891602	Bushing, Shock Absorber	4
20	27640903	Bushing, 1"ID x 4 3/32" LG	1
21	23891723	Torque Rod Assembly, 18"	1
22	23891738	Bolt, 1 1/2-6 x 7 LG RD/W	2
23	23891702	Kit, Fastener, Rear Suspension	1
24	23891737	Bolt, 1-2 x 7 1/2 LG RD/W	1
25	23891736	Locknut NI, 1/2-13 RD/W	8
26	23891735	Locknut, Jam, Thin, 3/4-16 RD/W	4
27	64806500	Nut, Flexloc, 1 1/4-7, Full	2
28	23891734	Nut, HH Tall, 7/8-14 RD/W	8
29	23891609	Locknut, Thin, Front Suspension	8
30	24757300	Locknut N/I 1-8 Gr5, ZP	1
31	23891713	Washer/Shim, 9 GA Coated	4
32	23891611	Lockwasher, Internal, Suspension	2
33	23891733	Washer, Flat, 7/8 A-325 RD/W	8
34	23891732	Washer, Flat, 1 SAE RD/W	8
35	23891718	U-Bolt, 12" LG	4
36	23891731	Bracket, Torque Rod RD/W	1
37	23891730	U-Bolt Spacer Assembly RD/W	1
38	23891729	U-Bolt Spacer Assembly RD/W	1
39	23891712	Bolt Assembly, Eccentric	2
40	27640901	Sway Bar, 20 1/16"	1
41	23891719	Torque Rod Assembly 18"	1
42	23891705	T-Beam Assembly 18" LG, Straight	2
43	27640902	Kit, Sway Bar Shim	1

ITEM	PART NO.	DESCRIPTION	QTY
44	23891715	Plate, Clamping, Rear Suspension	2
45	23891716	Washer, Anti-Turn (RD/W)	2
46	23891711	Plate, Locking, Rear Suspension	2
52	60933200	Bolt, 5/8-11 x 4 1/2, Gr8	2
53	60916001	Bolt, 5/8-11 x 9 1/2, Gr8	2
54	68552900	Washer, Flat, 5/8 HRD a-325 Plain	12
55	64805400	Nut, Flexloc, 5/8-11 Full	4

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2-6

Figure 2-6. Rear Axle Assembly

ITEM	PART NO.	DESCRIPTION	QTY
	28-2112	Rear Axle Weldments	REF
1	20446101	Bearing Cup	1
2	20446102	Bearing Cone	1
3	20445100	Bearing Cup 3.75 OD	1
4	20442300	Bearing Cone 1.875 ID	1
5	22376502	Drum, Brake	2
6	20324904	Seal, Pinion (R/W)	1
7	23043701	Gear Set Assembly, 4.56:1 Ratio	1
7	20324903	Gear Set, 4.88:1	1
8	20324902	Case, Differential Assembly	1
9	20324905	Kit, Differential (R/W)	1
10	20446103	Bearing Cup	2
11	20446104	Bearing Cone	2
12	23530801	Hub & Stud Assembly, LH (R/W)	1
13	23530802	Hub & Stud Assembly, RH (R/W)	1
14	27534101	Stud, Wheel, LH	10
15	27534102	Stud, Wheel, RH	10
16	27534100	Stud (R/W)	16
17	20446105	Bearing Cup	2
18	20446106	Bearing Cone	2
19	20498100	Bearing Cup, 4.4375 OD	2
20	20498400	Bearing Cone	2
21	26467901	Seal (R/W)	2
22	24739900	Nut, Lug LH	10
23	24740100	Nut, Lug, RH	10
24	24740000	Nut, Lug LH	10
25	24740200	Nut, Lug, RH	10
26	24737801	Nut, Lug Bearing, Inner	2

ITEM	PART NO.	DESCRIPTION	QTY
27	24737701	Nut, Wheel Bearing, Outer	2
28	27092200	Spider Brake Assembly	1
29	27220401	Spring, Brake Retainer (R/W)	4
30	26466301	Seal, Oil (R/W)	2
31	26466302	Seal (R/W)	2
33	20140300	Adjuster, Slack, LH	1
34	20140400	Adjuster, Slack, RH	1
35	21535102	Chamber, Brake, LH	2
39	27220501	Spring, Brake Return (R/W)	2
40	26578001	Shaft, Axle, LH	1
41	26578002	Shaft, Axle, RH	1
42	22996401	Gasket, Axle (R/W)	2
43	22319201	Dowel, Tapered	16
44	20324906	Washer, Lock (R/W)	16
45	24762101	Nut, Differential	1

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Figure 3-1	Air Charging System Installation . . . . .	3-2
Figure 3-2	Suspension Air System Installation . . . . .	3-8
Figure 3-3	Air Brake System Installation (Sheet 1 of 2) . . . . .	3-11
Figure 3-4	Piping Board (Sheet 1 of 2) . . . . .	3-17
Figure 3-5	Body Air System Installation . . . . .	3-22
Figure 3-6	Manifold Plate Assembly . . . . .	3-24

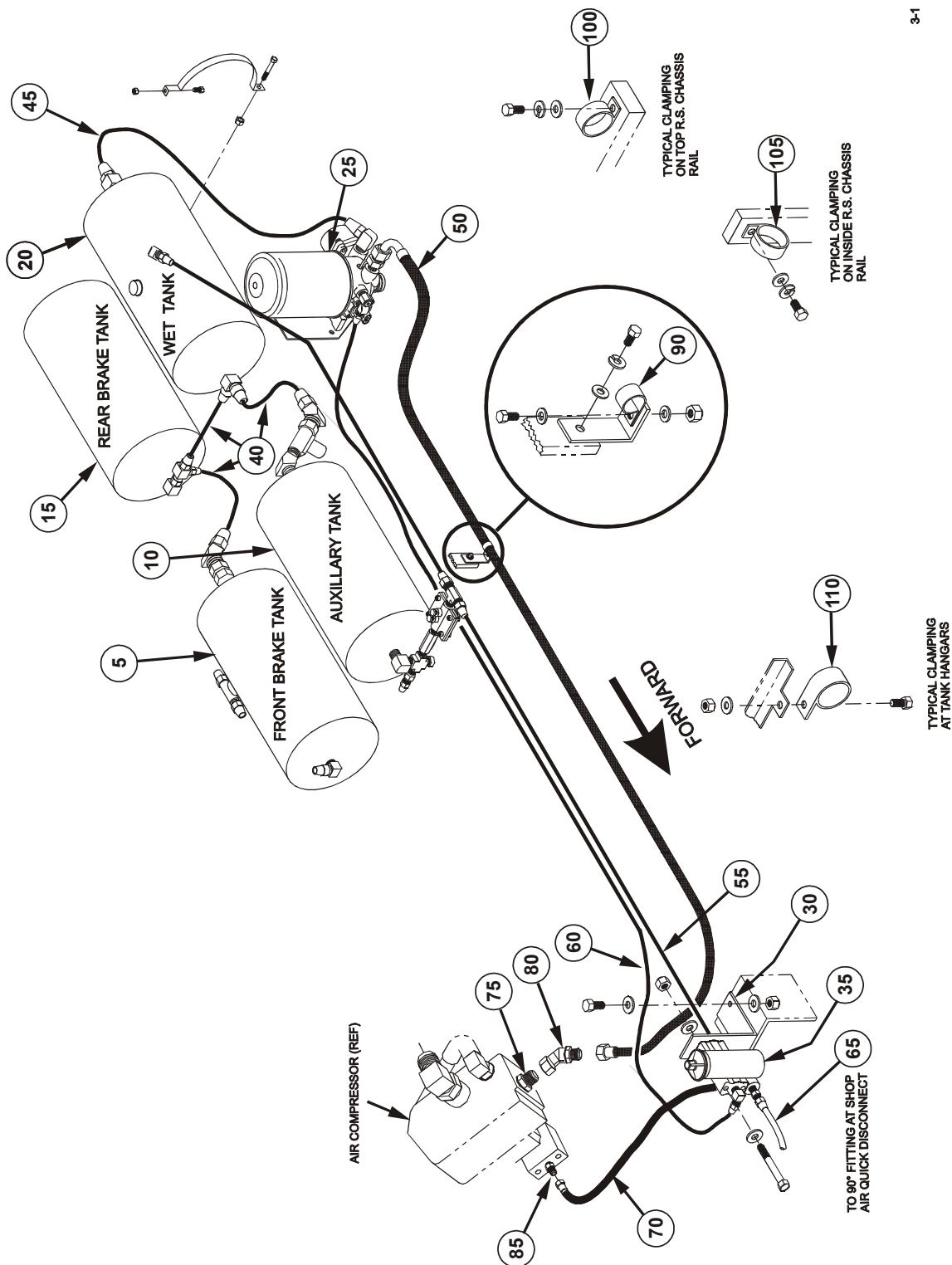


Figure 3-1. Air Charging System Installation

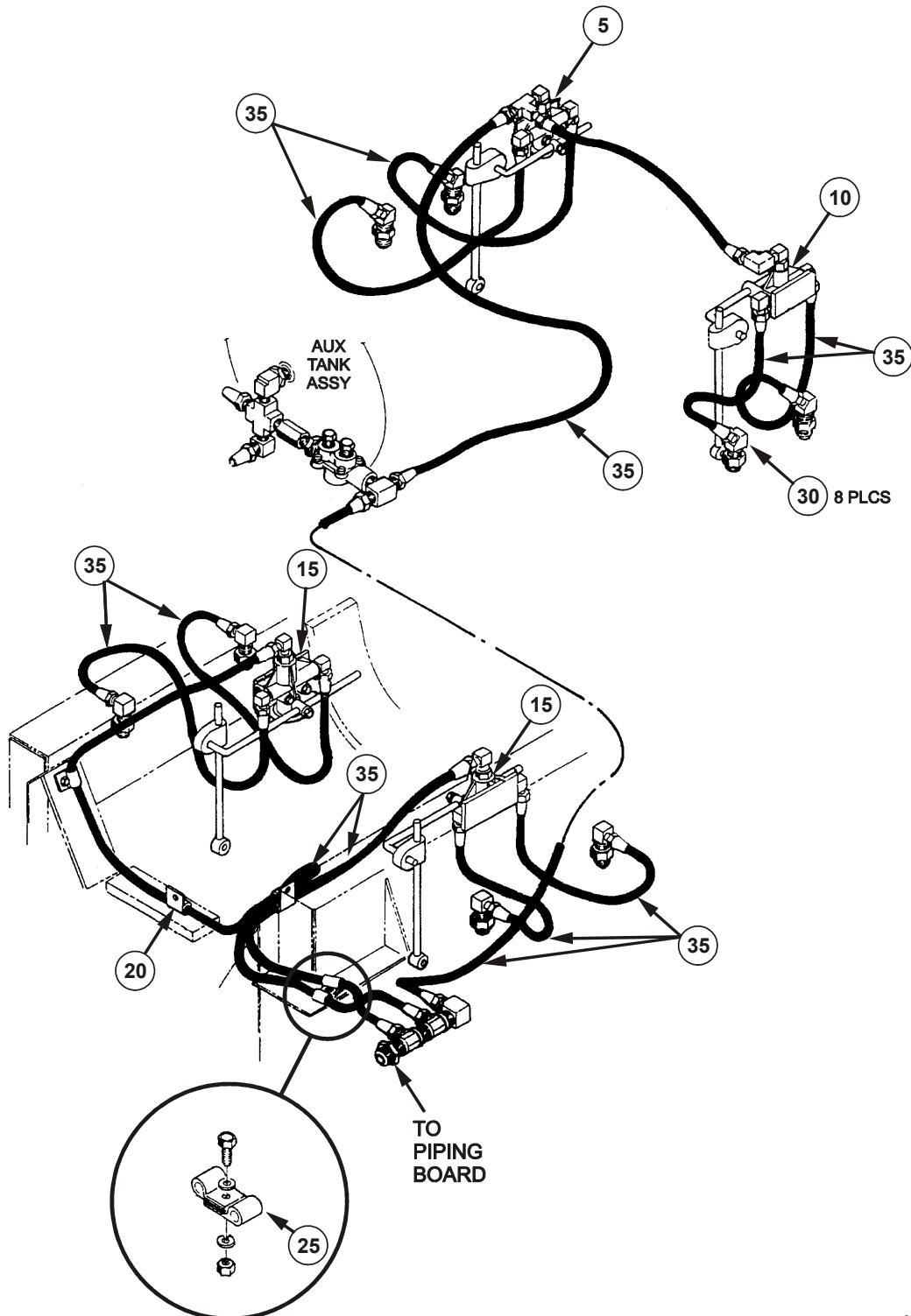
ITEM	PART NO.	DESCRIPTION	QTY
5	28-6005D-001	Air Charging System Installation W/ABS	REF
	20-6010-3	Tank Assembly, Front Brake	1
		Consisting of:	
	25970200	Tank, Air, 8" OD x 26"	1
	28440900	Valve, Ball, W/T-Handle	1
	28458200	Valve, Check, 1 Way	1
	60165201	Adapter, 90°	1
	60293714	Fitting, 45°	1
	60293731	Adapter, Tee	1
	60274200	Plug, Hex Head, 3/8	1
		*** ATTACHING PARTS ***	
	20904100	Bracket, Air Reservoir	4
	60766600	Bolt, 3/8-16 x 1" LG	2
	64804600	Locknut, 3/8-16	2
	60770201	Bolt, 3/8-16 x 5.75" LG	1
	64804600	Locknut, 3/8-16	2
		*** END OF ATTACHING PARTS ***	
10	20-6010-2	Tank Assembly, Auxiliary	1
		Consisting of:	
	25970200	Tank, Air, 8 x 26	1
	60263600	Adapter	1
	22670400	Filter, Air	1
	28432500	Valve, Air Brake Protect	1
	28440900	Valve, Ball, W/T-Handle	1
	22900200	Valve, Check	1
	60253800	Adapter, 45°	1
	60293714	Fitting, 45°	1
	60293701	Fitting, Straight	1

ITEM	PART NO.	DESCRIPTION	QTY
	60274200	Plug, Hex Head, 3/8	2
	60145800	Adapter, 1/4 MPT : 1/4 Tube	1
	60250000	Adapter, Bushing, 1/2 MPT : 1/4 FP	1
	60252500	Adapter, Nipple, 1/4 MPT Close	1
	60274000	Plug, Hex Head, 1/4	1
	60273900	Plug, Hex Head, 1/8	1
		*** ATTACHING PARTS ***	
	20904100	Bracket, Air Reservoir	4
	60766600	Bolt, 3/8-16 x 1" LG	2
	64804600	Locknut, 3/8-16	2
	60770201	Bolt, 3/8-16 x 5.75" LG	1
	64804600	Locknut, 3/8-16	2
		*** END OF ATTACHING PARTS ***	
15	20-6010-4	Tank Assembly, Rear Brake	1
		Consisting of:	
	25970200	Tank, Air, 8 x 26	1
	28458100	90° Valve, One Way	1
	28440900	Valve, Ball, W/T-Handle	1
	60293710	Fitting, 90°	1
	60165201	Adapter, 90°	1
	60293728	Fitting, Tee	1
	60293729	Fitting, Straight	1
	60274200	Plug, Hex Head, 3/8	1
	60262400	Adapter, Tee	1
		*** ATTACHING PARTS ***	
	20904100	Bracket, Air Reservoir	4
	60766600	Bolt, 3/8-16 x 1" LG	2
	64804600	Locknut, 3/8-16	2
	60770201	Bolt, 3/8-16 x 5.75" LG	1

ITEM	PART NO.	DESCRIPTION	QTY
	64804600	Locknut, 3/8-16	2
		*** END OF ATTACHING PARTS ***	
20	20-6010-1	Tank Assembly, Wet	1
		Consisting of:	
	25970200	Tank, Air, 8 x 26	1
	28440900	Valve, Ball, W/T-Handle	1
	60293728	Fitting, Tee	1
	60293707	Fitting, 90°	1
	60293800	Fitting	1
	60249600	Adapter, Bushing	1
	60274200	Plug, Hex Head, 3/8	1
		*** ATTACHING PARTS ***	
	20904100	Bracket, Air Reservoir	4
	60766600	Bolt, 3/8-16 x 1" LG	2
	64804600	Locknut, 3/8-16	2
	60770201	Bolt, 3/8-16 x 5.75" LG	1
	64804600	Locknut, 3/8-16	2
		*** END OF ATTACHING PARTS ***	
25	28-6010A-1	Air Dryer Assembly	1
		Consisting of:	
	22380503	Dryer, Air	1
	24-6038-002	Bracket, Dryer	1
	60841800	Bolt, 1/2-13 x 1 1/4 LG	3
	68537800	Lockwasher, 1/2"	3
	68531800	Flatwasher, 1/2"	3
	22380504	Silencer	1
	60293800	Fitting, 90°, 3/4 Tube : 1/2 MPT	1
	60293712	Fitting, 90°, 1/4 Tube : 1/8 MPT	1
	60020800	Adapter, St., 1/2 MPT : 3/4" JIC	1

ITEM	PART NO.	DESCRIPTION	QTY
		*** ATTACHING PARTS ***	
	60766400	Bolt, 3/8-16 x 3/4" LG	4
	68537400	Lockwasher, 3/8"	4
		*** END OF ATTACHING PARTS ***	
30	28-6012-1	Bracket, Mounting, Governor	1
		*** ATTACHING PARTS ***	
	60700200	Bolt, 1/4-20 x 3/4" LG	2
	68530200	Flatwasher, 1/4"	4
	64780800	Locknut, 1/4-20	2
		*** END OF ATTACHING PARTS ***	
35	28-6010-5	Governor Assembly	1
		Consisting of:	
	23087100	Governor	1
	60146001	Adapter	1
	60034200	Adapter, 90°	1
	48015000	Tube, Air	AR
	60293712	Fitting, 90°	3
		*** ATTACHING PARTS ***	
	60702000	Bolt, 1/4-20 x 3" LG	2
	68530200	Flatwasher, 1/4"	4
	64780800	Locknut, 1/4-20	2
		*** END OF ATTACHING PARTS ***	
40	48012100	Tube, Green, 1/2" OD	AR
45	48012700	Tube, Green, 3/4" OD	AR
50	28-6029-8	Hose Assembly, 3/4"	1
55	48015400	Tube, Yellow, 1/4" OD	AR
60	48015000	Tube, Black, 1/4" OD	AR
65	48010500	Tube, Green, 3/8" OD	AR
70	28-6029-1	Hose Assembly, 1/4"	1

ITEM	PART NO.	DESCRIPTION	QTY
75	60074900	Adapter, Metric, Straight, M27 x 2 : 3/4 37° JIC	1
80	60075600	45° Swivel Nut Elbow, 1 1/16-12 Female Swivel : 3/4M 37° JIC	1
85	60114900	Connector, Male, M10 x 1 : 1/4 37° JIC	1
90	21644300	Hose Clamp, Support, 1.06" Closed  *** ATTACHING PARTS ***	1
	60700200	Bolt, 1/4-20 x 3/4" LG	1
	68530200	Flatwasher, 1/4"	2
	64780800	Locknut, 1/4-20	1
		*** END OF ATTACHING PARTS ***	
100	21644300	Hose Clamp, Support, 1.06" Closed  *** ATTACHING PARTS ***	4
	60700200	Bolt, 1/4-20 x 3/4" LG	1
	68537000	Lockwasher, 1/4"	1
	68530200	Flatwasher, 1/4"	1
	64780800	Locknut, 1/4-20	1
		*** END OF ATTACHING PARTS ***	
105	21644000	Hose Clamp, Support, 1.75" Closed	2
	60700200	Bolt, 1/4-20 x 3/4" LG	1
	68530200	Flatwasher, 1/4"	1
	64780800	Locknut, 1/4-20	1
110	21644000	Hose Clamp, Support, 1.50" Closed	4
	60700200	Bolt, 1/4-20 x 3/4" LG	1
	68530200	Flatwasher, 1/4"	1
	64780800	Locknut, 1/4-20	1



3-2b

Figure 3-2. Suspension Air System Installation

ITEM	PART NO.	DESCRIPTION	QTY
5	28-6006	Suspension Air System Installation	REF
	28461602	Valve, Height Control, Right Rear	1
		*** ATTACHING PARTS ***	
		Bolt, 1/4-20 x 2 1/4 LG	2
		Lockwasher, 1/4"	2
		*** END OF ATTACHING PARTS ***	
	24-4163-9	Rod, Rear Linkage, 3/16 x 12	1
	24162200	Linkage Assembly	1
	21631900	Clamp, Hose, 1/4-5/8 ID	1
	60293711	Elbow, 90°, 1/4MPT-3/8 Tube	1
	60293717	Elbow, 45°, 1/4MPT-3/8 Tube	1
	60293721	Male Run Tee, 1/4MPT-3/8 Tube	1
	60255600	Straight Elbow, 1/4 MPT:1/4 FPT	1
10	28461602	Valve, Height Control, Left Rear	1
		*** ATTACHING PARTS ***	
		Bolt, 1/4-20 x 2 1/4 LG	2
		Lockwasher, 1/4"	2
		*** END OF ATTACHING PARTS ***	
	24-4163-9	Rod, Rear Linkage, 3/16 x 12	1
	24162200	Linkage Assembly	1
	21631900	Clamp, Hose, 1/4-5/8 ID	1
	60293711	Elbow, 90°, 1/4MPT-3/8 Tube	2
	60293717	Elbow, 45°, 1/4MPT-3/8 Tube	1
	60255600	Straight Elbow, 1/4 MPT:1/4 FPT	1
15	28461602	Valve, Height Control, Front (Left and Right)	2
		*** ATTACHING PARTS ***	
		Bolt, 1/4-20 x 2 1/4 LG	2
		Lockwasher, 1/4"	2

ITEM	PART NO.	DESCRIPTION	QTY
		*** END OF ATTACHING PARTS ***	
	24-4163-10	Rod, Front Linkage, 3/16 x 9	1
	24162200	Linkage Assembly	1
	21631900	Clamp, Hose, 1/4-5/8 ID	1
	60293802	Elbow, 90°, Non Swivel, 1/4MPT-3/8 Tube	1
	60293711	Elbow, 90°, 1/4MPT-3/8 Tube	2
20	60170000	Clamp, Tube, 3/8	AR
		*** ATTACHING PARTS ***	
	60700200	Bolt, 1/4-20 x 3/4 LG	1
		*** END OF ATTACHING PARTS ***	
25	60170000	Clamp, Tube, 3/8	2
		*** ATTACHING PARTS ***	
	60700000	Bolt, 1/4-20 x 1/2 LG	1
	68530200	Flatwasher, 1/4"	1
	68537000	Lockwasher, 1/4"	1
	64780800	Locknut, 1/4-20	1
		*** END OF ATTACHING PARTS ***	
30	60293711	Elbow, 90°, 1/4MPT-3/8 Tube	8
35	48010000	Tube, Nylon, Black, 3/8"OD x 41.0'	AR

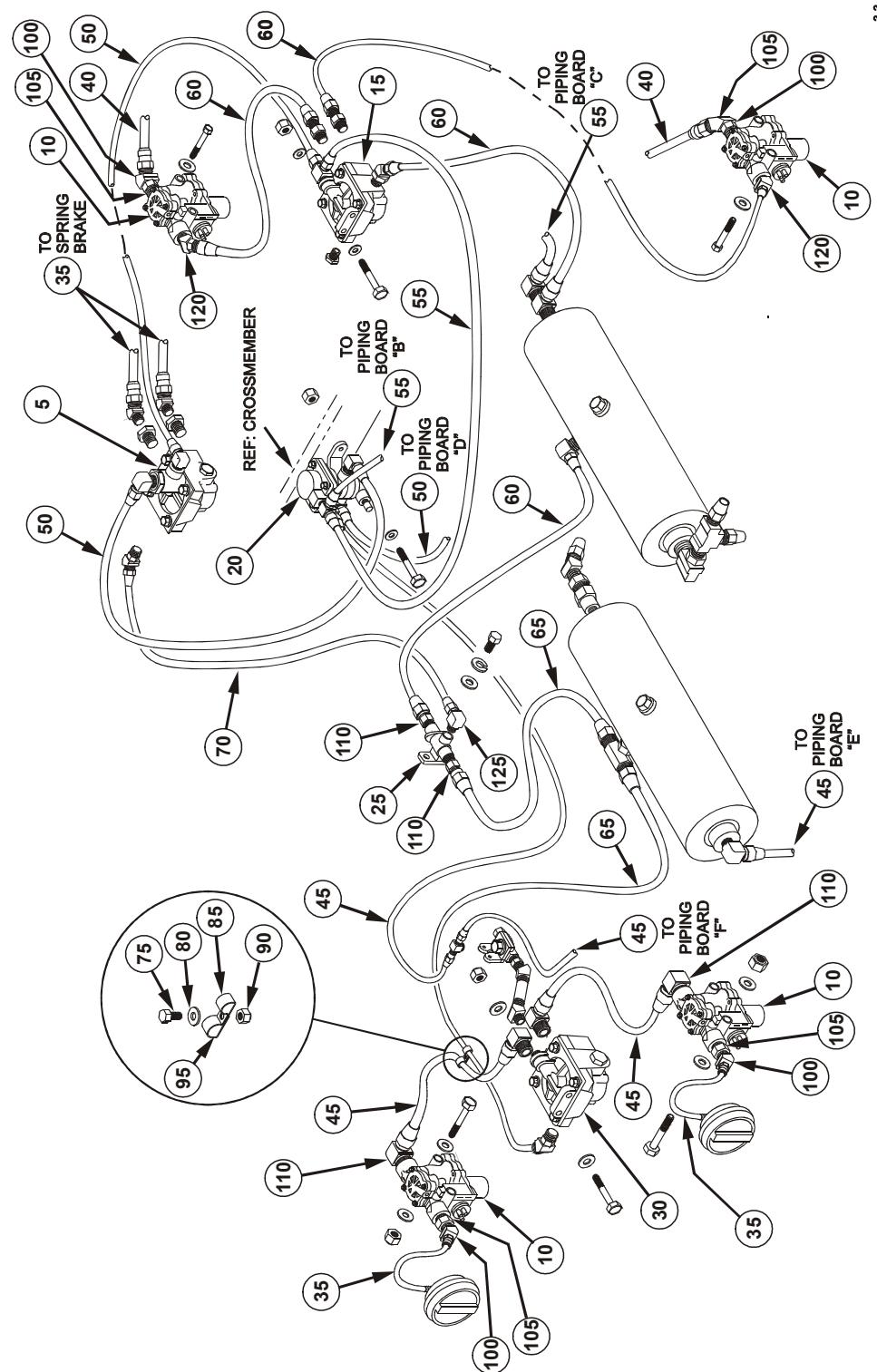


Figure 3-3. Air Brake System Installation (Sheet 1 of 2)

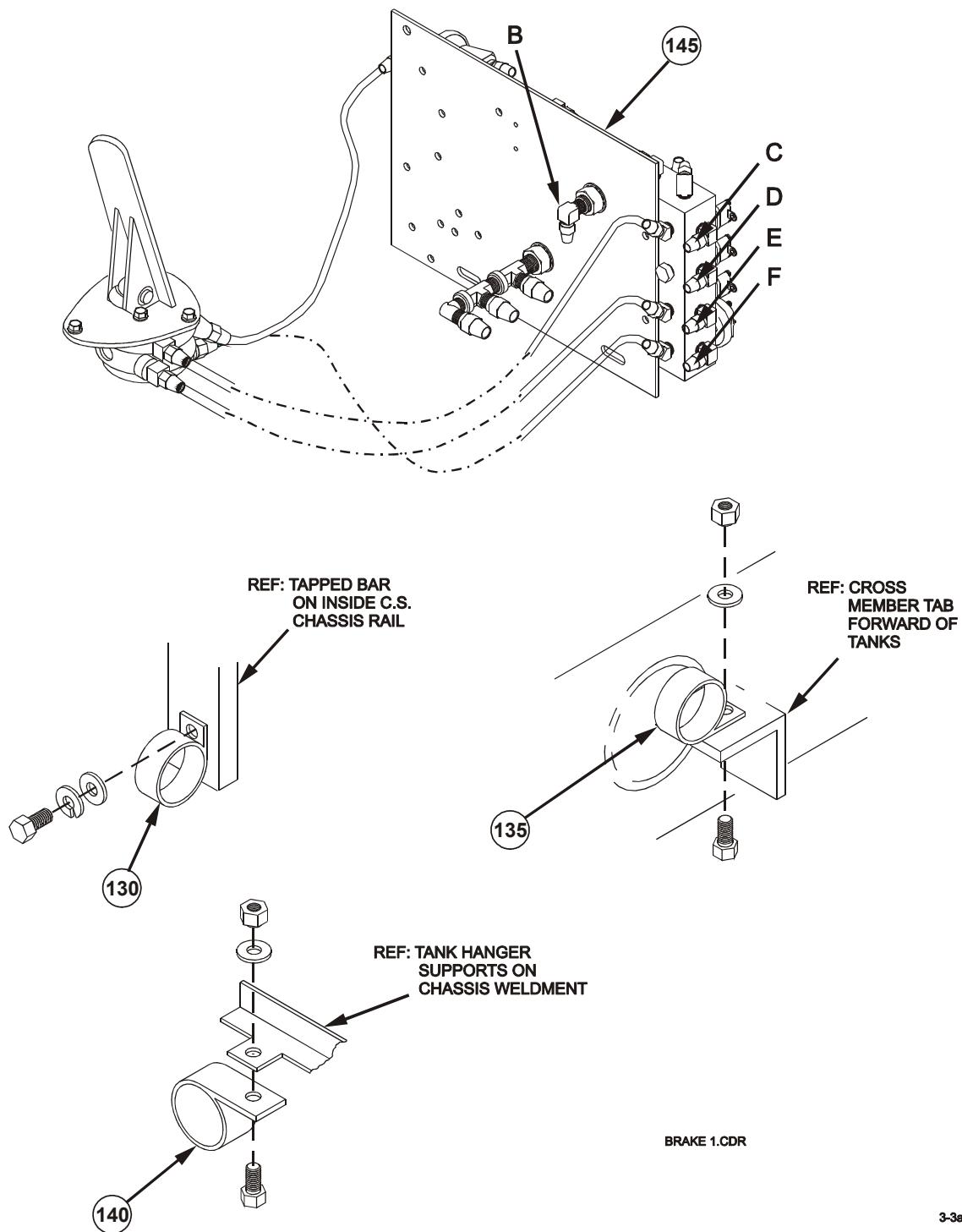


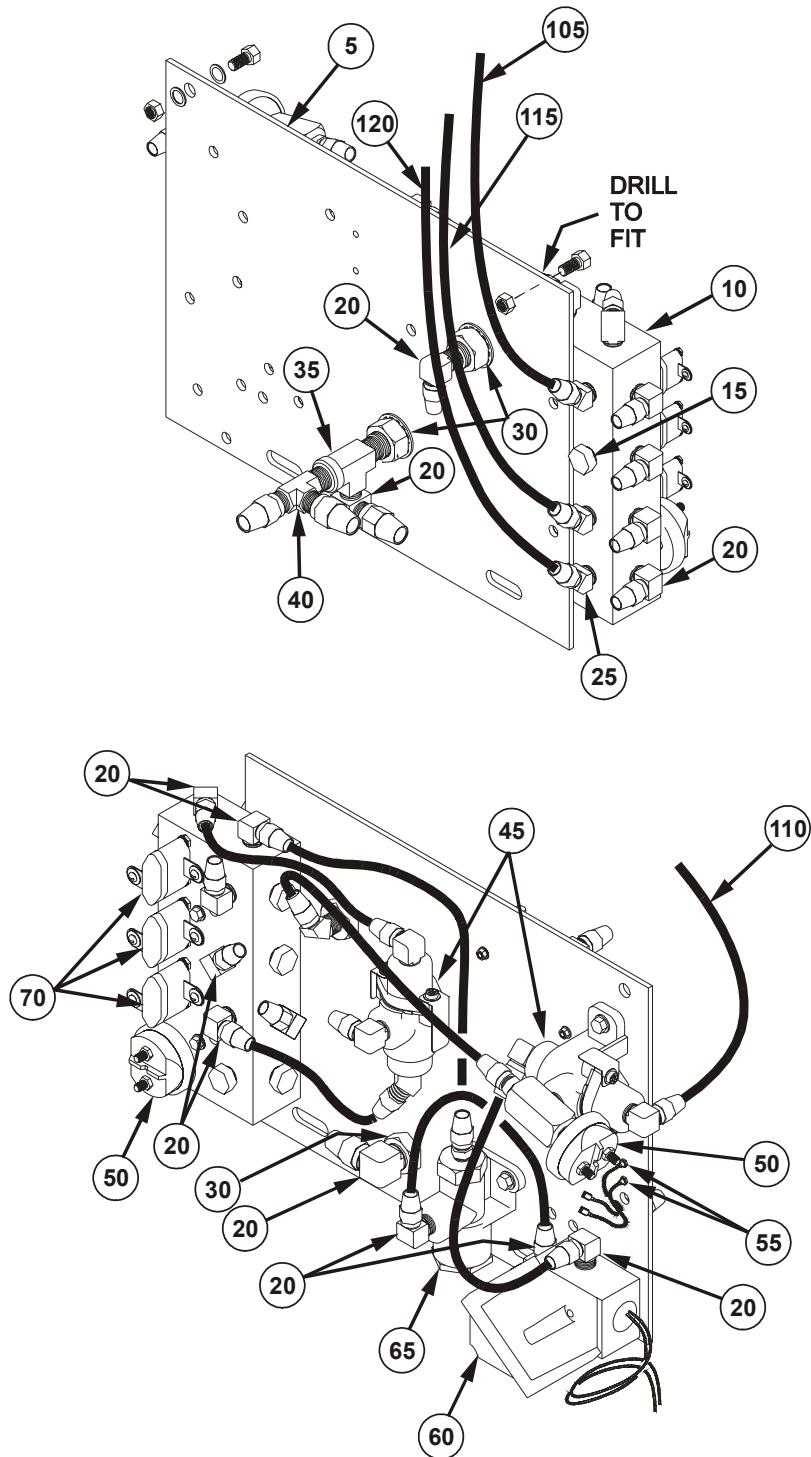
Figure 3-3. Air Brake System Installation (Sheet 2 of 2)

ITEM	PART NO.	DESCRIPTION	QTY
5	28-6007A	Air Brake System Installation	REF
	28-6010-2	Control Valve Assembly, Spring Brake	1
		Consisting of:	
	28458700	Control Valve, Spring Brake	1
	60293713	90° Connector, 1/8 MPT : 3/8 T	1
	60253600	45° St. Elbow, 3/8 MPT : 3/8 FPT	2
	60274400	Plug, Pipe, 1/2 MPT	1
	60293711	90° Connector, 1/4 MPT : 3/8 T	1
	60293714	45° Connector, 1/2 MPT : 1/2 T	1
	60250200	Bushing, Reducer, 1/2 MPT : 3/8 FPT	2
10	22900101	ABS Modulation Valve	4
		*** ATTACHING PARTS ***	
	60702000	Bolt, 1/4-20 x 3 (Front ONLY)	2
	68530200	Flatwasher, 1/4" (Front OLNY)	4
	64780800	Locknut, 1/4-20 (Front ONLY)	2
	60701800	Bolt, 1/4-20 x 2 3/4 (Rear ONLY)	2
	68530200	Flatwasher, 1/4" (Front ONLY)	2
		*** END OF ATTACHING PARTS ***	
15	28-6010-1	Relay Valve Assembly, Rear	1
		Consisting of:	
	28458400	Valve, Relay	1
	60293705	Adapter, 3/8 MPT : 1/2 T	2
	60274400	Plug, Pipe	1
	60293714	45° Connector, 1/2 MPT : 1/2 T	1
	60293724	Male Run Tee, 3/8 MPT : 3/8 T : 3/8 T	1
		*** ATTACHING PARTS ***	
	60700800	Bolt, 1/4-20 x 1 1/2	2
	68530200	Flatwasher, 1/4"	4

ITEM	PART NO.	DESCRIPTION	QTY
20	64780800	Locknut, 1/4-20	2
		*** END OF ATTACHING PARTS ***	
	28-6010-4	Valve Assembly, Inversion	1
		Consisting of:	
	28459800	Valve, Inversion	1
	60293721	Male Run Tee, 1/4 MPT : 3/8 T : 3/8 T	1
	60293711	90° Connector, 1/4 MPT : 3/8 T	3
		*** ATTACHING PARTS ***	
	60700800	Bolt, 1/4-20 x 1 1/2	2
	68530200	Flatwasher, 1/4"	4
25	64780800	Locknut, 1/4-20	2
		*** END OF ATTACHING PARTS ***	
	28458300	Check Valve, Double	1
		*** ATTACHING PARTS ***	
	60700200	Bolt, 1/4-20 x 3/4	1
	68537000	Lockwasher, 1/4"	1
	68530200	Flatwasher, 1/4"	1
		*** END OF ATTACHING PARTS ***	
	24-6012-2	Relay Valve Assembly, Front	1
		Consisting of:	
30	28458400	Valve, Relay	1
	28457100	Valve, Quick Release	1
	60191401	Tee, 3/8 Tube : 3/8 Tube	1
	62785100	Nipple, Long, 3/8 MPT x 2 1/2" LG	1
	60293708	90° Elbow, 3/8 MPT : 3/8 Tube	2
	60253600	45° St. Elbow, 3/8 MPT : 3/8 FPT	2
	60274000	Plug, Pipe, 1/4 MPT	1
	60274400	Plug, Pipe, 1/2 MPT	1
	60293714	45° Elbow, 1/2 MPT : 1/2 Tube	1

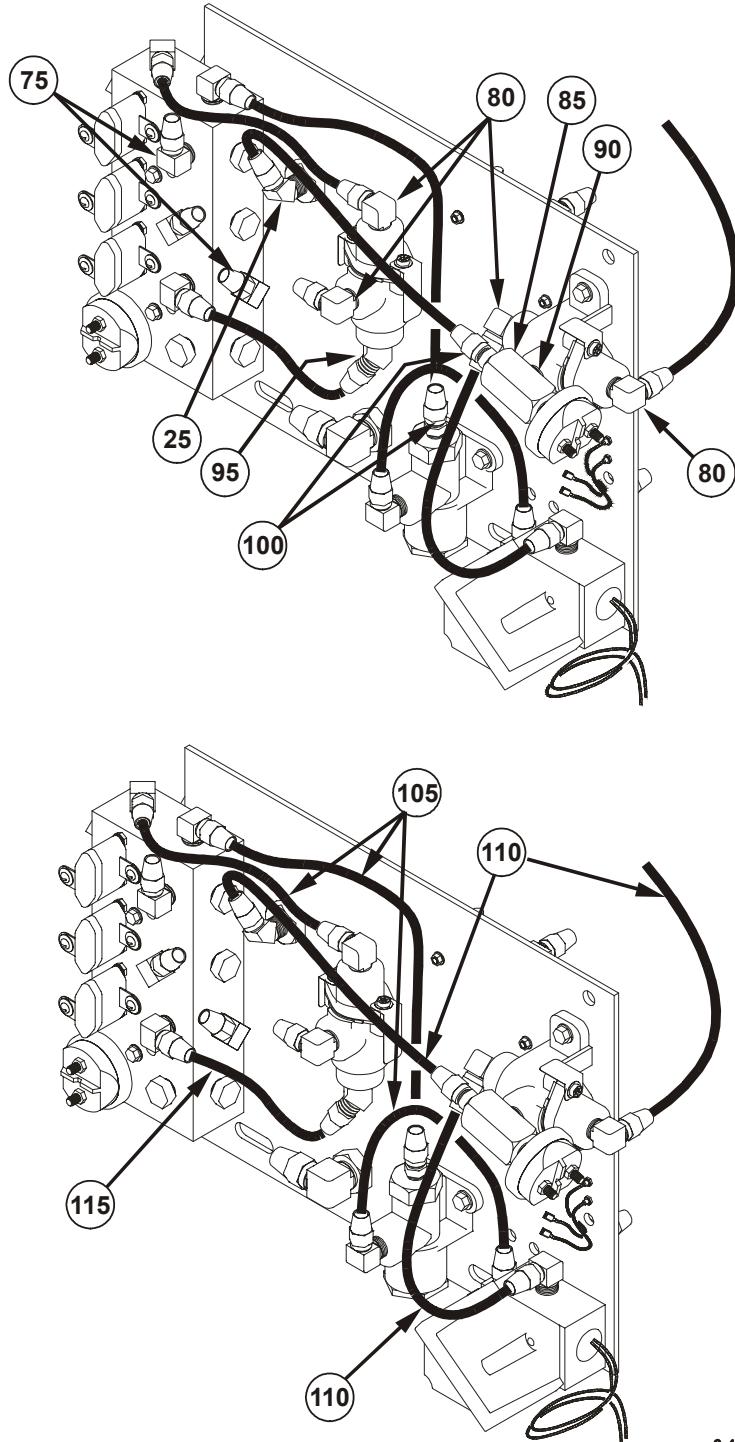
ITEM	PART NO.	DESCRIPTION	QTY
	60248000	Bushing, Reducer, 3/8 FPT : 1/4 MPT	1
		*** ATTACHING PARTS ***	
	60700800	Bolt, 1/4-20 x 1 1/2	2
	68530200	Flatwasher, 1/4"	4
	64780800	Locknut, 1/4-20	2
		*** END OF ATTACHING PARTS ***	
35	24388000	Hose Assembly, Air Brake (Front)	4
40	23491000	Hose Assembly, Air Brake (Rear)	2
45	48010200	Hose, 3/8" Red	AR
50	48011000	Hose, 3/8" Brown	AR
55	48010500	Hose, 3/8" Green	AR
60	48012100	Hose, 1/2" Green	AR
65	48012200	Hose, 1/2" Red	AR
70	48010900	Hose, 1/2" Brown	AR
75	60700200	Bolt, 1/4-20 x 3/4	1
80	68530200	Flatwasher, 1/4"	1
85	61600600	Clamp, Hose, Support, 0.50" Closed	1
90	64780800	Locknut, 1/4-20	1
95	61600400	Clamp, Hose, Support, 0.375" Closed	1
100	60253600	45° Street Elbow, 3/8 MPY: 3/8" FPT	4
105	60250200	Reducer Bushing, 1/2 MPT : 3/8 FPT	4
110	60165201	90° Adapter	2
115	60293705	Straight Adapter	2
120	60293714	45° Adapter	2
125	60293710	90° Adapter	1
130	61601000	Clamp, Hose, Support, 0.75" Closed	1
		*** ATTACHING PARTS ***	
	60700200	Bolt, 1/4-20 x 3/4	1
	68537000	Lockwasher, 1/4"	1

ITEM	PART NO.	DESCRIPTION	QTY
	68530200	Flatwasher, 1/4"	1
	64780800	Nut, 1/4-20	1
		*** END OF ATTACHING PARTS ***	
135	61601000	Clamp, Hose, Support, 0.75" Closed	1
		*** ATTACHING PARTS ***	
	60700200	Bolt, 1/4-20 x 3/4	1
	68530200	Flatwasher, 1/4"	1
	64780800	Nut, 1/4-20	1
		*** END OF ATTACHING PARTS ***	
140	61601000	Clamp, Hose, Support, 0.75" Closed	1
	21622500	Clamp, Hose, Support, 1.25" Closed	1
	21644200	Clamp, Hose, Support, 1.50" Closed	1
		*** ATTACHING PARTS ***	
	60700200	Bolt, 1/4-20 x 3/4	1
	68530200	Flatwasher, 1/4"	1
	64780800	Nut, 1/4-20	1
		*** END OF ATTACHING PARTS ***	
145	20-6040-2	Piping Board Assembly, Diesel (See <a href="#">Figure 3-4</a> for Bkdn)	1



3-4a

Figure 3-4. Piping Board (Sheet 1 of 2)



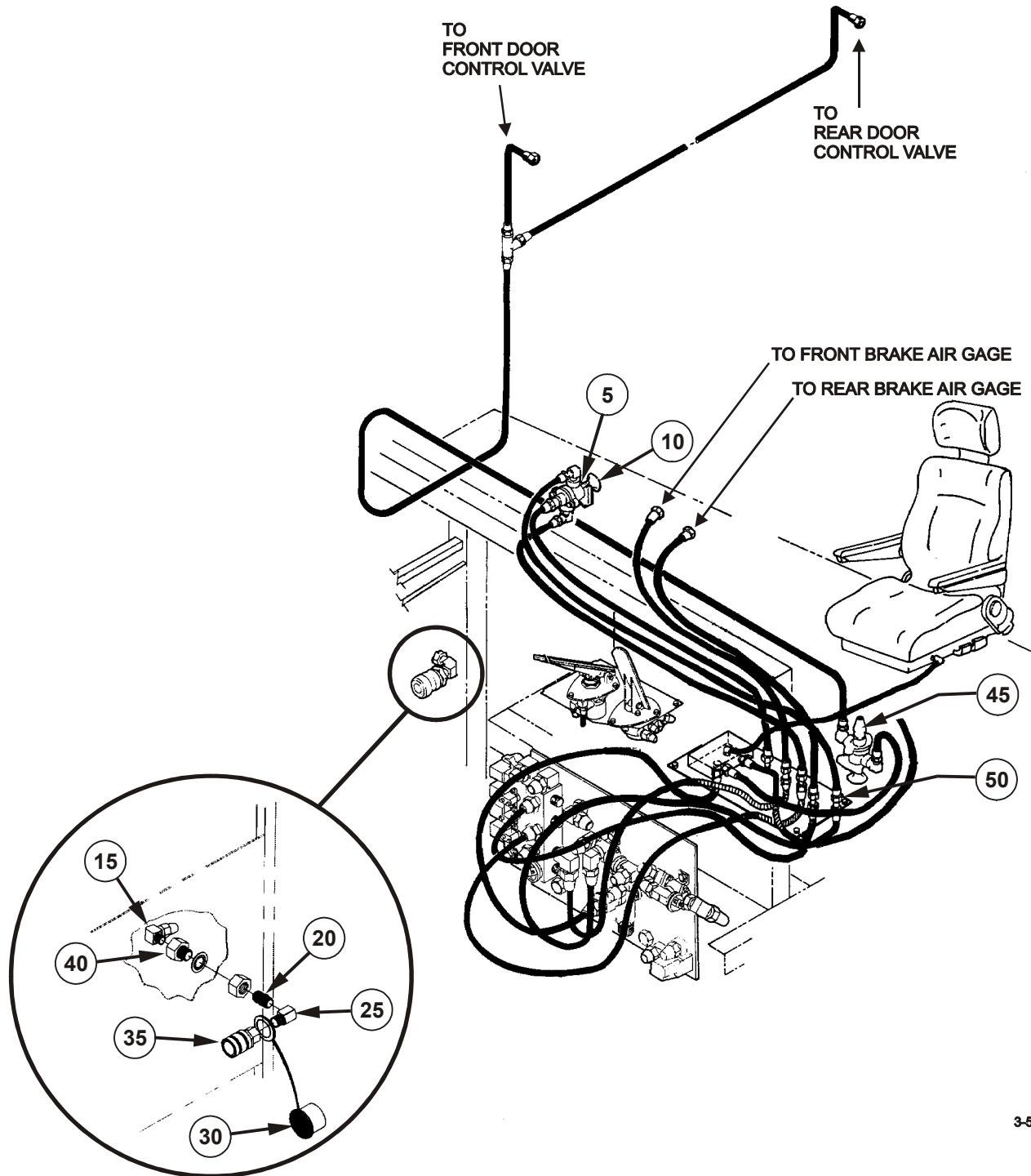
3-4b

**Figure 3-4. Piping Board (Sheet 2 of 3)**

ITEM	PART NO.	DESCRIPTION	QTY
5	20-6040-3	Piping Board Assembly	REF
	28-6041-1	Piping Board	1
		*** ATTACHING PARTS ***	
	60700400	Bolt, 1/4-20 x 1" LG	2
	68530200	Flatwasher, 1/4"	4
	64780800	Locknut, 1/4-20	2
		*** END OF ATTACHING PARTS ***	
10	20-6043-1	Manifold Block	1
		*** ATTACHING PARTS ***	
	60701200	Bolt, 1/4-20 x 2" LG	2
	68530200	Flatwasher, 1/4"	4
	64780800	Locknut, 1/4-20	2
		*** END OF ATTACHING PARTS ***	
15	60274000	Plug, Pipe, 1/4 MPT	5
20	60293711	90° Adapter, 3/8 T : 1/4 MPT	14
25	60293717	45° Adapter, 3/8 T : 1/4 MPT	4
30	60142200	Fitting, Bulkhead, 1/4 FPT	2
35	60262400	Tee, 1/4 MPT : 1/4 FPT : 1/4 FPT	1
40	60293721	Tee, 1/4 MPT : 3/8 T : 3/8 T	1
45	28458300	Check Valve, Two Way	2
		*** ATTACHING PARTS ***	
	60700400	Bolt, 1/4-20 x 1" LG	1
	68530200	Flatwasher, 1/4"	1
	64780800	Locknut, 1/4"	1
		*** END OF ATTACHING PARTS ***	
50	27662700	Switch, Stoplight	2
55	28-7222-1	Rectifier Assembly	2
60	05-6042-1	Control Valve, Air, Weather-Proof	1

ITEM	PART NO.	DESCRIPTION	QTY
		*** ATTACHING PARTS ***	
	61118200	Screw, Machine, 10-32 x 1/2" LG	2
	68529800	Flatwasher, #10	2
		*** END OF ATTACHING PARTS ***	
65	28458000	Valve, Regulating, Pressure	1
		*** ATTACHING PARTS ***	
	60700400	Bolt, 1/4-20 x 1" LG	2
	68530200	Flatwasher, 1/4"	2
	64780800	Locknut, 1/4-20	2
		*** END OF ATTACHING PARTS ***	
70	27662600	Indicator, Low Pressure	3
75	60293707	90° Adapter, 1/4 T : 1/4 MPT	2
80	60293708	90° Adapter, 3/8 T : 3/8 MPT	3
85	60259000	Tee, Branch, Male, 1/4 MPT : 1/4 FPT : 1/4 FPT	1
90	60249600	Bushing, Reducer, 3/8 MPT : 1/4 FPT	1
95	60293715	45° Adapter, 3/8 T : 3/8 MPT	1
100	60293704	Adapter, Straight, 3/8 T : 1/4 MPT	2
105	48010000	Tube, Black, 3/8"	AR
110	48010300	Tube, Orange, 3/8"	AR
115	48010500	Tube, Green, 3/8"	AR
120	48010200	Tube, Red, 3/8"	AR

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3-5a

Figure 3-5. Body Air System Installation

ITEM	PART NO.	DESCRIPTION	QTY
	28-6035-1	Body Air System Installation	REF
5	20-6010-11	Valve Assembly, Park Brake	1
10	23897700	Knob, Plain	1
15	60293711	90° Elbow, 3/8 T : 1/4 MPT	1
20	60252500	Nipple, Close, 1/4 NPT	1
25	60255600	90° Street Elbow, 1/4 MPT : 1/4 FPT	1
30	21247600	Dust Cap. 1" ID	1
35	22273200	Quick Disconnect, 1/4 FPT	1
40	60142200	Anchor Coupling, 1/4 FPT	1
45	28459200	Valve, Air	1
50	28-6037	Manifold Plate Assembly (See <a href="#">Figure 3-6</a> for BKDN)	1

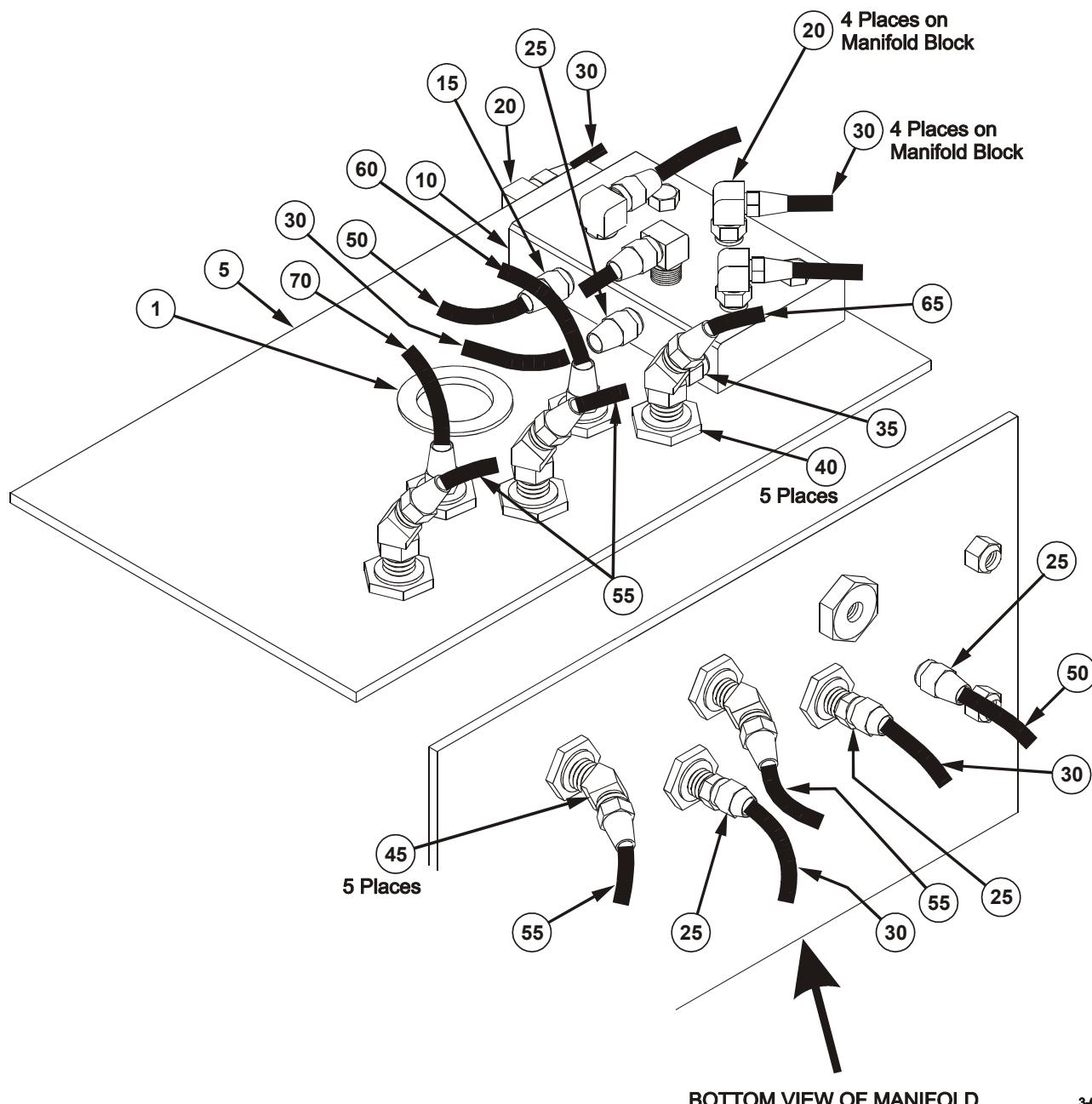
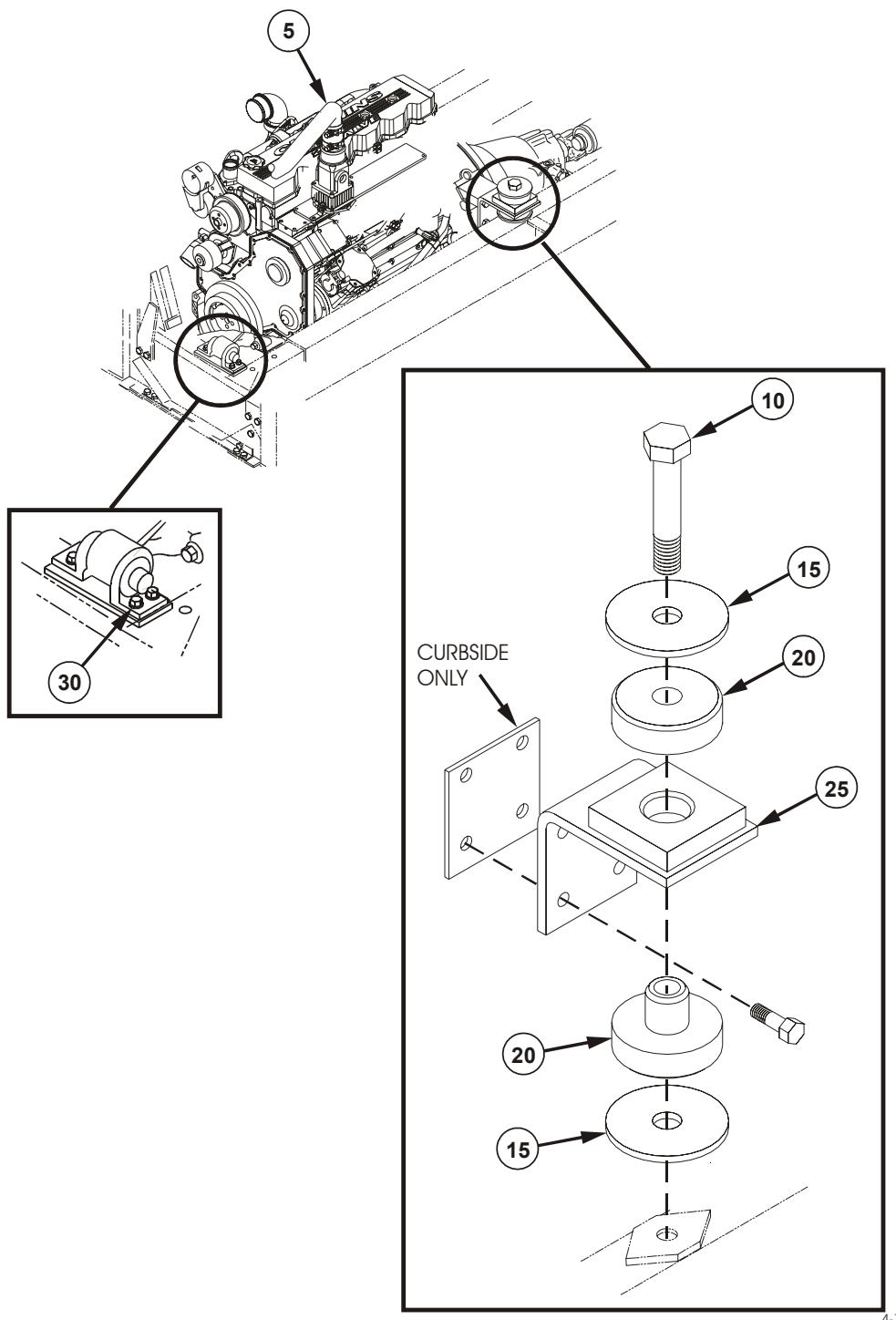


Figure 3-6. Manifold Plate Assembly

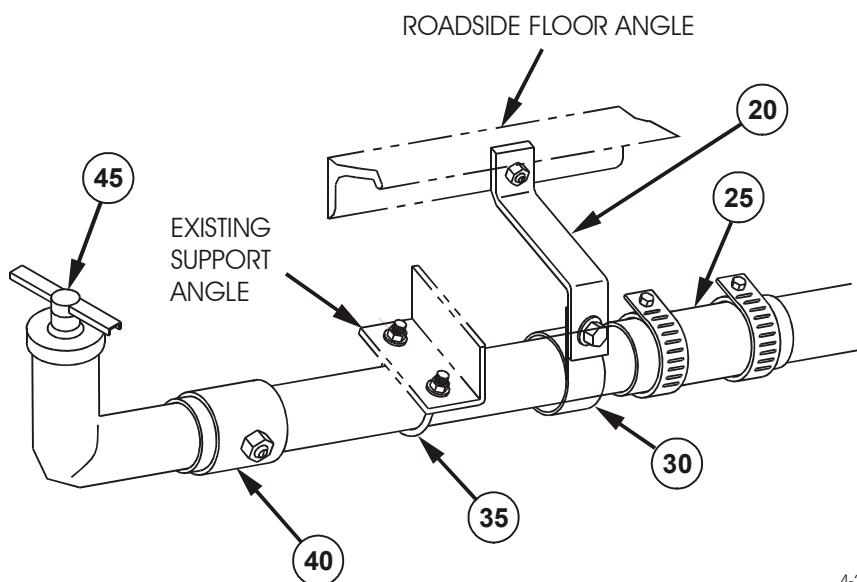
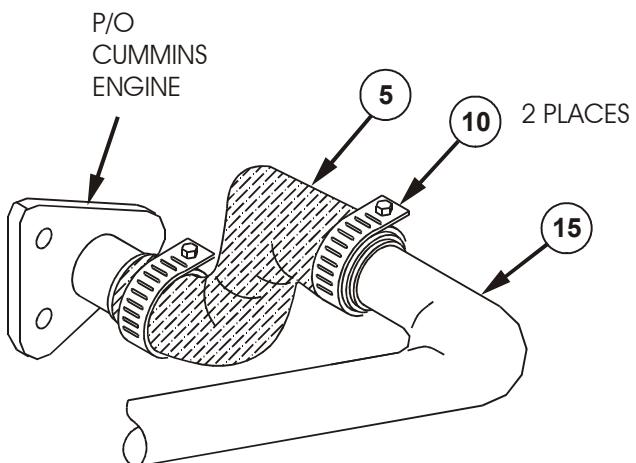
ITEM	PART NO.	DESCRIPTION	QTY
	28-6037	Manifold Plate Assembly	REF
1	61408300	Snap Bushing	1
5	28-6038-1	Manifold Plate	1
10	20-6043-2	Manifold Block	1
		*** ATTACHING PARTS ***	
	60700800	Bolt, 1/4-20 x 1 1/2" LG	2
	64780800	Locknut, 1/4-20	2
		*** END OF ATTACHING PARTS ***	
15	60293704	Fitting, 1/4 MPT - 3/8 Tube	2
20	60293707	90° Fitting, 1/4 MPT - 1/4 Tube	5
25	60293701	Fitting, 1/4 MPT - 3/8 Tube	4
30	48015000	Hose, 1/4" Black	AR
35	60274000	Plug, 1/4 MPT	1
40	60142200	Anchor Coupling, 1/4 FP - 1/4 FP	5
45	60293717	45° Adapter, 1/4 MPT - 3/8 Tube	5
50	48010000	Hose, 3/8" Black	AR
55	48011000	Hose, 3/8" Brown	AR
60	48015200	Hose, 1/4" Green	AR
65	48010300	Hose, 3/8" Orange	AR
70	48015100	Hose, 1/4" Red	AR



Figure 4-1	Engine Installation .....	4-2
Figure 4-2	Engine Oil Fill Tube Installation .....	4-4
Figure 4-3	Engine Accessories - Roadside .....	4-6
Figure 4-4	Engine Accessories - Curbside .....	4-8
Figure 4-5	Alternator Installation .....	4-10
Figure 4-6	Fan Installation .....	4-12
Figure 4-7	A/C Compressor Installation .....	4-14
Figure 4-8	Engine Accessories - Roadside .....	4-18
Figure 4-9	B300 Transmission .....	4-20
Figure 4-10	B300R Transmission Installation (Sheet 1 of 3) .....	4-22
Figure 4-11	Driveline .....	4-28
Figure 4-12	Front Driveshaft .....	4-31

**Figure 4-1. Engine Installation**

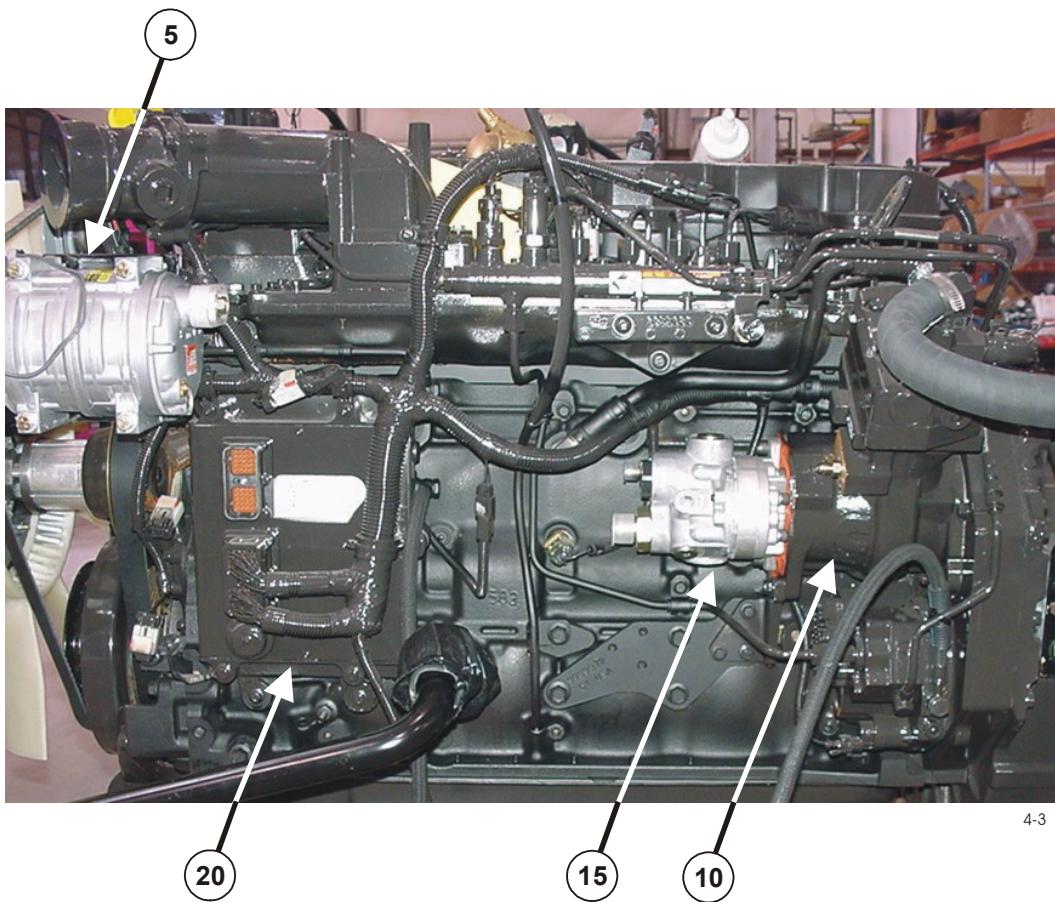
ITEM	PART NO.	DESCRIPTION	QTY
	28-0200E	Engine Installation - ISB02	REF
5	22514100	Cummins ISB02 Engine - 200 HP	1
	22514000	Cummins ISB02 Engine - 245 HP	1
10	64730500	Bolt, 7/8-9 x 4 1/2"	2
15	23635905	Washer, Isolator	4
20	23635904	Isolator, Engine Mount	2
25	28-4119-1	Engine Mount Weldment - Roadside	1
	28-4119-2	Engine Mount Weldment - Curbside	1
		*** ATTACHING PARTS ***	
	28-4119-20	Spacer - CURBSIDE ONLY	1
	60686000	Bolt, M12 X 1.75-6H X 25mm	8
		*** END OF ATTACHING PARTS ***	
30	60786200	Bolt, 3/8-16 x 1"	4
	68553101	Flatwasher, H.T, 3/8" Ø - 1/0" OD	4



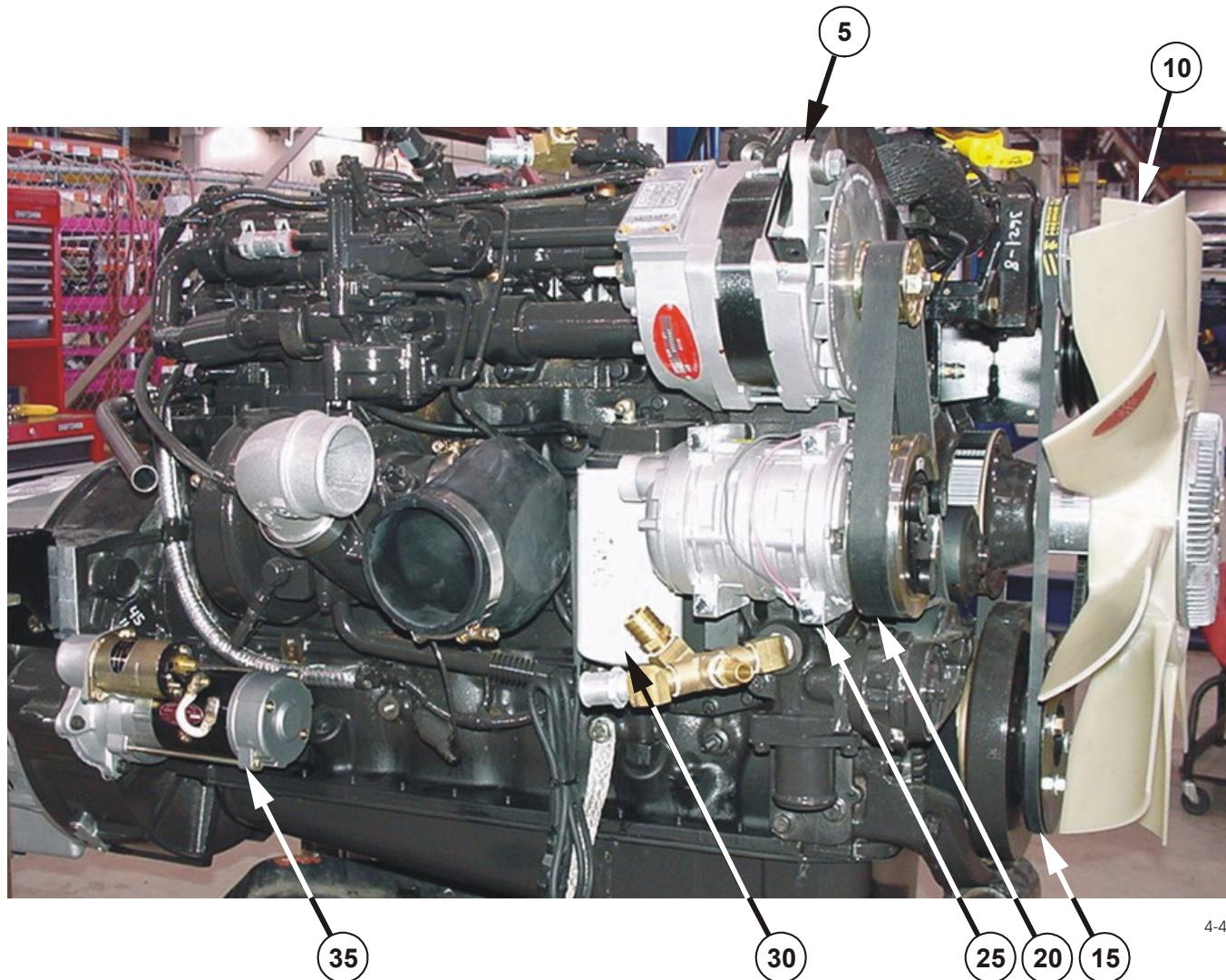
4-2

**Figure 4-2. Engine Oil Fill Tube Installation**

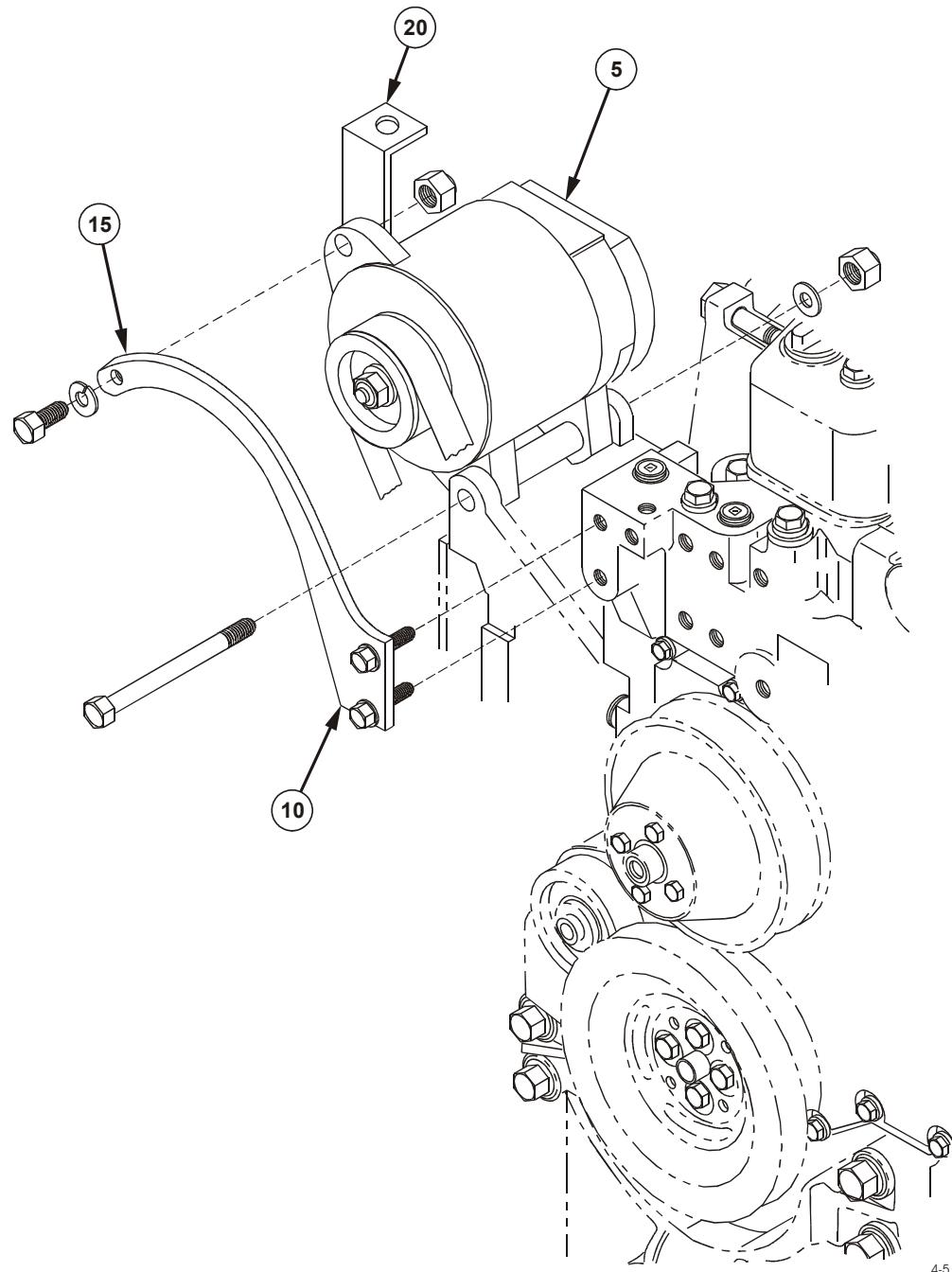
ITEM	PART NO.	DESCRIPTION	QTY
	28-2072A	Engine Oil Fill Tube Installation	REF
5	23491900	Hose	1
	48030100	Protective Sleeve	1
10	21638100	Clamp, Hose, 1"-2"	2
15	28-2075-1	Oil Fill Tube	1
20	28-2077-2	Oil Fill Clamp Support	1
		*** ATTACHING PARTS ***	
	60700200	Bolt, 1/4-20 x 3/4"	2
	68530200	Washer, Flat, 1/4"	2
	64780800	Locknut, 1/4-20	2
		*** END OF ATTACHING PARTS ***	
25	28-2072A007	Hose, 1 1/4" ID x 6" LG	1
		*** ATTACHING PARTS ***	
	21638100	Clamp, Hose, 1"-2"	2
		*** END OF ATTACHING PARTS ***	
30	21622500	Clamp, Tubing, 1 1/4"	1
35	20742900	U-Clamp, 1/4-20 x 1 1/4"	1
40	24-2073-2	Oil Fill Tube Assembly	1
45	21226400	Oil Fill Cap	1

**Figure 4-3. Engine Accessories - Roadside**

ITEM	PART NO.	DESCRIPTION	QTY
5	21827901	Compressor, Air Conditioning, R134A, A-Groove	1
10	22672700	Compressor, Air (See Cummins Parts Catalog, P/N 4056509, for installation)	1
15	25916401	Pump, Power Steering	1
20	22902200	Control Module, Electronic (See Cummins Parts Catalog, P/N 4056509, for installation)	1

**Figure 4-4. Engine Accessories - Curbside**

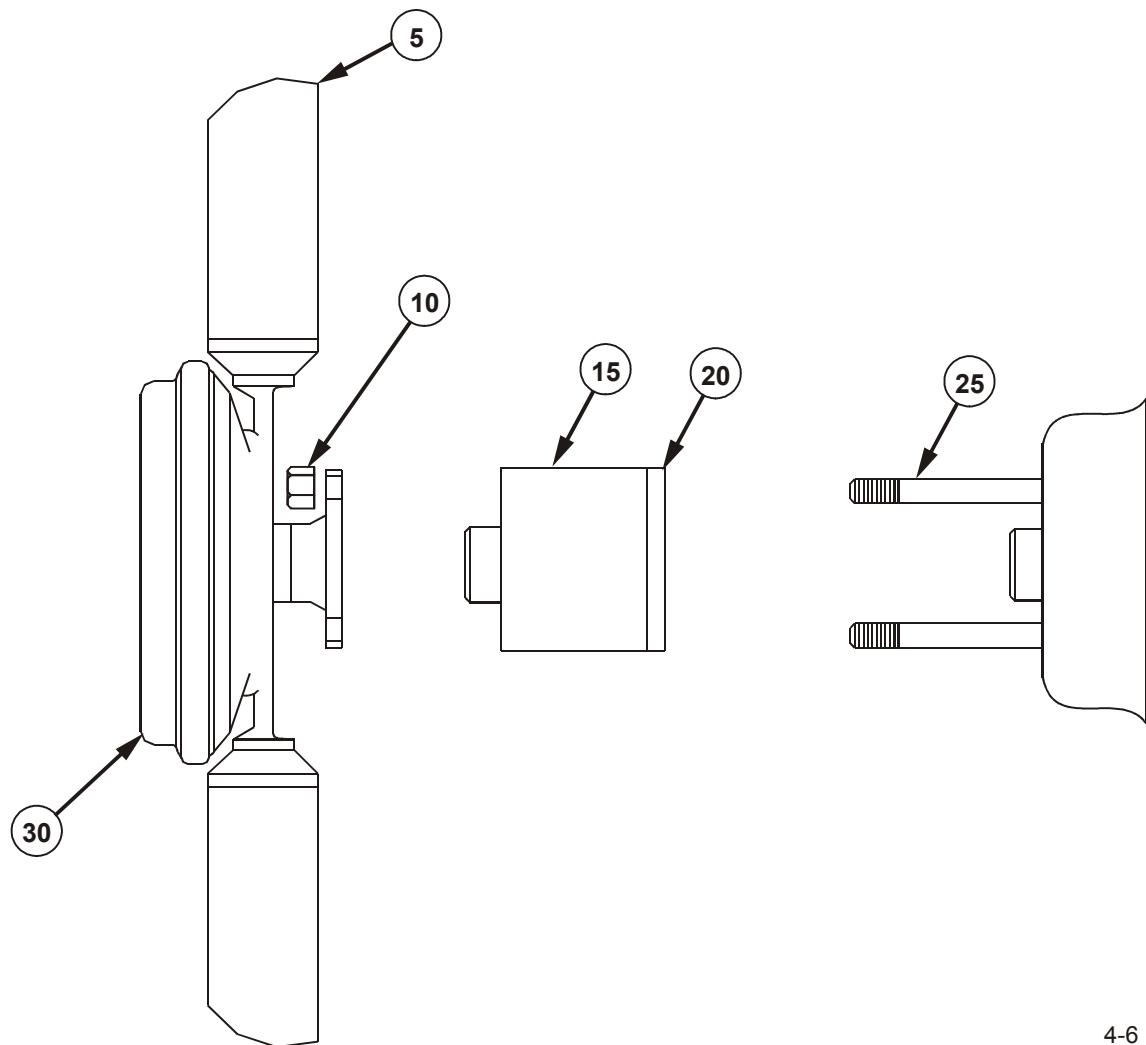
ITE M	PART NO.	DESCRIPTION	QTY
5	20161201	Alternator, 200 Amp (See for <a href="#">Figure 4-5</a> for BKDN)  *** ATTACHING PARTS ***	1
	60845600	Bolt, 1/2-13 x 6" LG	1
	68531800	Flatwasher, 1/2"	1
	64805000	Locknut, 1/2-13	1
	60841800	Bolt, 1/2-13 x 1.25" LG	1
	68537800	Lockwasher, 1/2"	1
	28-2055-5	Clamp Bracket	1
	64805000	Locknut, 1/2-13	1
		*** END OF ATTACHING PARTS ***	
10	28-2030B-001	Fan Installation (See for <a href="#">Figure 4-6</a> for BKDN)	1
15	20532001	V-Belt, 13A x 65.0"	1
20		8-Groove Belt, 73"	1
25	21827900	Compressor, Air Conditioning, R134A, 8-Groove (See for <a href="#">Figure 4-7</a> for BKDN)	1
30	22513400	Filter, Oil	1
35	21930960	Starter Motor, 12Vdc	1
		*** ATTACHING PARTS ***	
	61222200	Bolt, M10-1.5 x 40mm, GR8.8	3
		*** END OF ATTACHING PARTS ***	



4-5

**Figure 4-5. Alternator Installation**

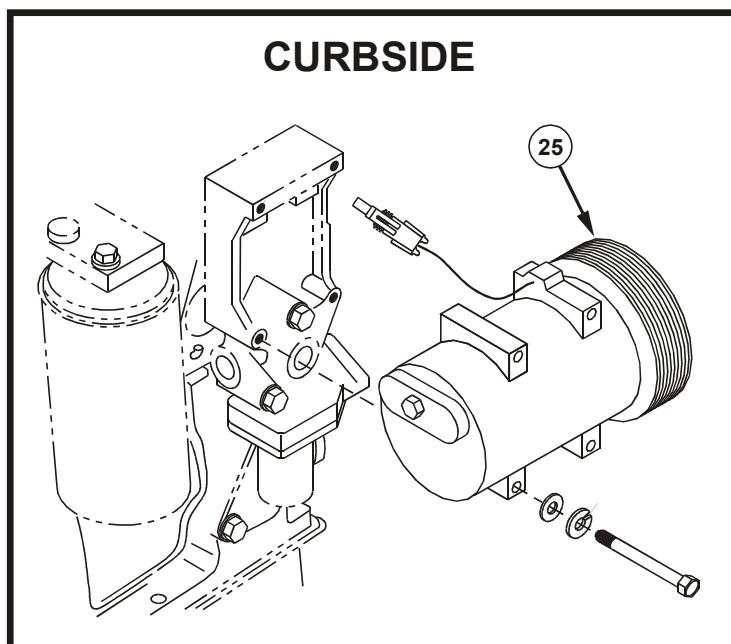
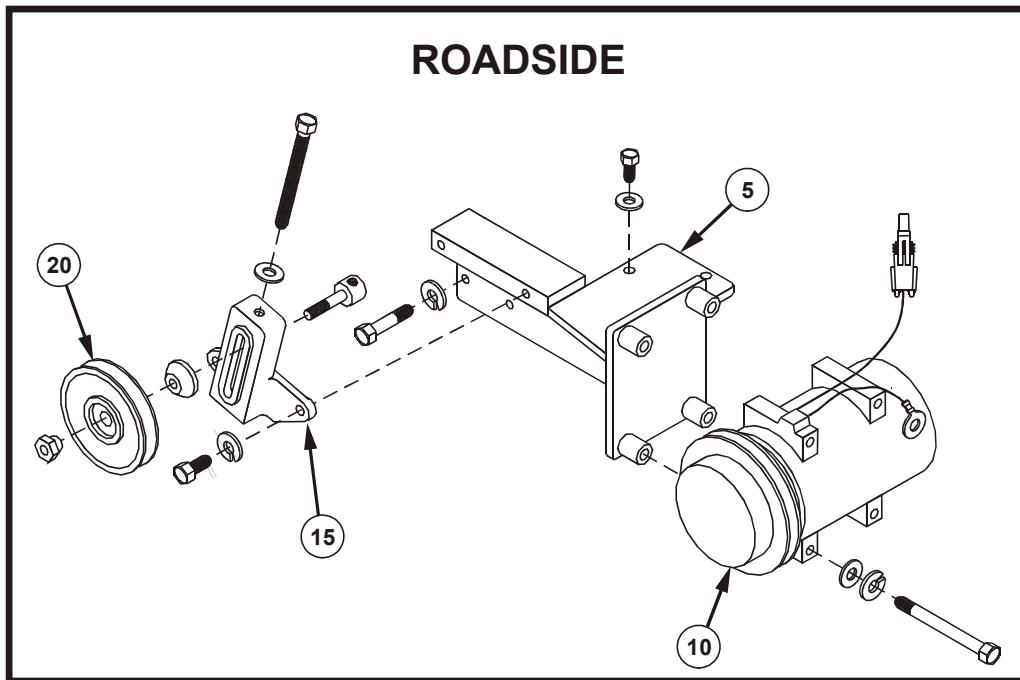
ITEM	PART NO.	DESCRIPTION	QTY
5	20161201	Alternator, 200 Amp	1
		*** ATTACHING PARTS ***	
	60845600	Bolt, 1/2-13 x 6" LG	1
	68531800	Flatwasher, 1/2"	1
	64805000	Locknut, 1/2-13	1
	60841800	Bolt, 1/2-13 x 1.25" LG	1
	68537800	Lockwasher, 1/2"	1
	64805000	Locknut, 1/2-13	1
		*** END OF ATTACHING PARTS ***	
10	3943456	Bracket, Alternator	1
15	3925852	Pulley, Alternator	1
20	28-2055-5	Clamp Bracket	1



4-6

**Figure 4-6. Fan Installation**

ITEM	PART NO.	DESCRIPTION	QTY
5	28-2030B-001	Fan Installation	REF
	22578300	Fan, 24"Ø	1
	64813500	*** ATTACHING PARTS *** Locknut, 8mm-1.25	6
10	64807100	*** END OF ATTACHING PARTS *** Locknut, 10mm-1.50	4
15		Spacer, 2" (Provided by Cummins)	1
20		Spacer, 0.25" (Provided by Cummins)	1
25	28-2033-003	Stud, Fan Mounting, M10-1.50-6G x 3.88 (98mm)	4
30	22578600	Clutch, Fan	1



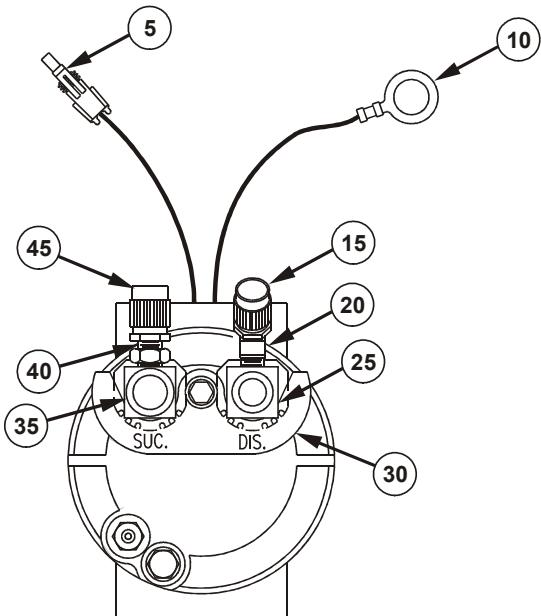
4-7

**Figure 4-7. A/C Compressor Installation**

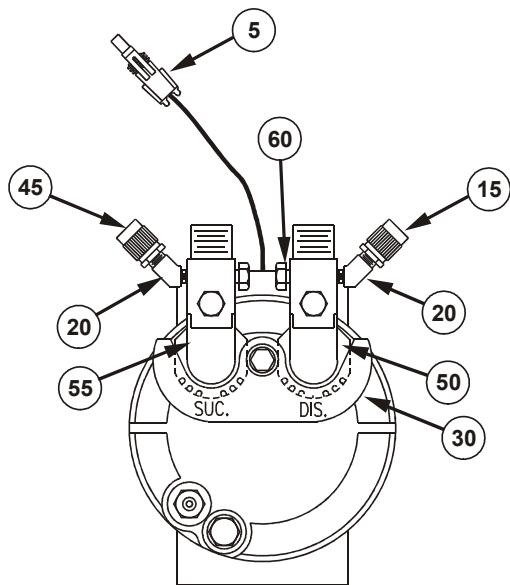
ITEM	PART NO.	DESCRIPTION	QTY
5	28-2093B	A/C Compressor Installation	REF
	22350000	Mounting Bracket, Compressor	1
		*** ATTACHING PARTS ***	
	60685102	Bolt, 10mm - 1.5 X 30mm	3
	68536100	Lockwasher, 10mm	3
	60684901	Bolt, 8mm	2
	68536000	Lockwasher, 8mm	2
		*** END OF ATTACHING PARTS ***	
10	21827901	A/C Compressor, R134A, A-Groove, Roadside	1
		*** ATTACHING PARTS ***	
	60684903	Bolt, 8mm - 1.25 x 120mm	4
	60686401	Flatwasher, 8mm	4
	68536000	Lockwasher, 8mm	4
		*** END OF ATTACHING PARTS ***	
15	22350100	Bracket, Idler	1
		*** ATTACHING PARTS ***	
	60685103	Bolt, 10mm - 1.5 x 25mm	2
	68536100	Lockwasher, 10mm	2
		*** END OF ATTACHING PARTS ***	
20	22349700	Pulley, Idler, 4.5"	1
		*** ATTACHING PARTS ***	
	22349800	Bolt, Adjustment, 10mm - 1.25 x 40mm	1
	22349600	Spacer, Cone, 1 1/2" x 13/32" x 9/16"	1
	22349900	Nut, Bearing, 10mm - 1.25	1
	60684902	Bolt, 8mm - 1.25 x 110mm	1
	60686401	Flatwasher, 8mm	1
		*** END OF ATTACHING PARTS ***	
25	21827900	A/C Compressor, R134A, 8K-Groove, Curbside	1

ITEM	PART NO.	DESCRIPTION	QTY
		*** ATTACHING PARTS ***	
	60684100	Bolt, 8mm - 1.25 x 100mm	4
	60686401	Flatwasher, 8mm	4
	68536000	Lockwasher, 8mm	4
		*** END OF ATTACHING PARTS ***	

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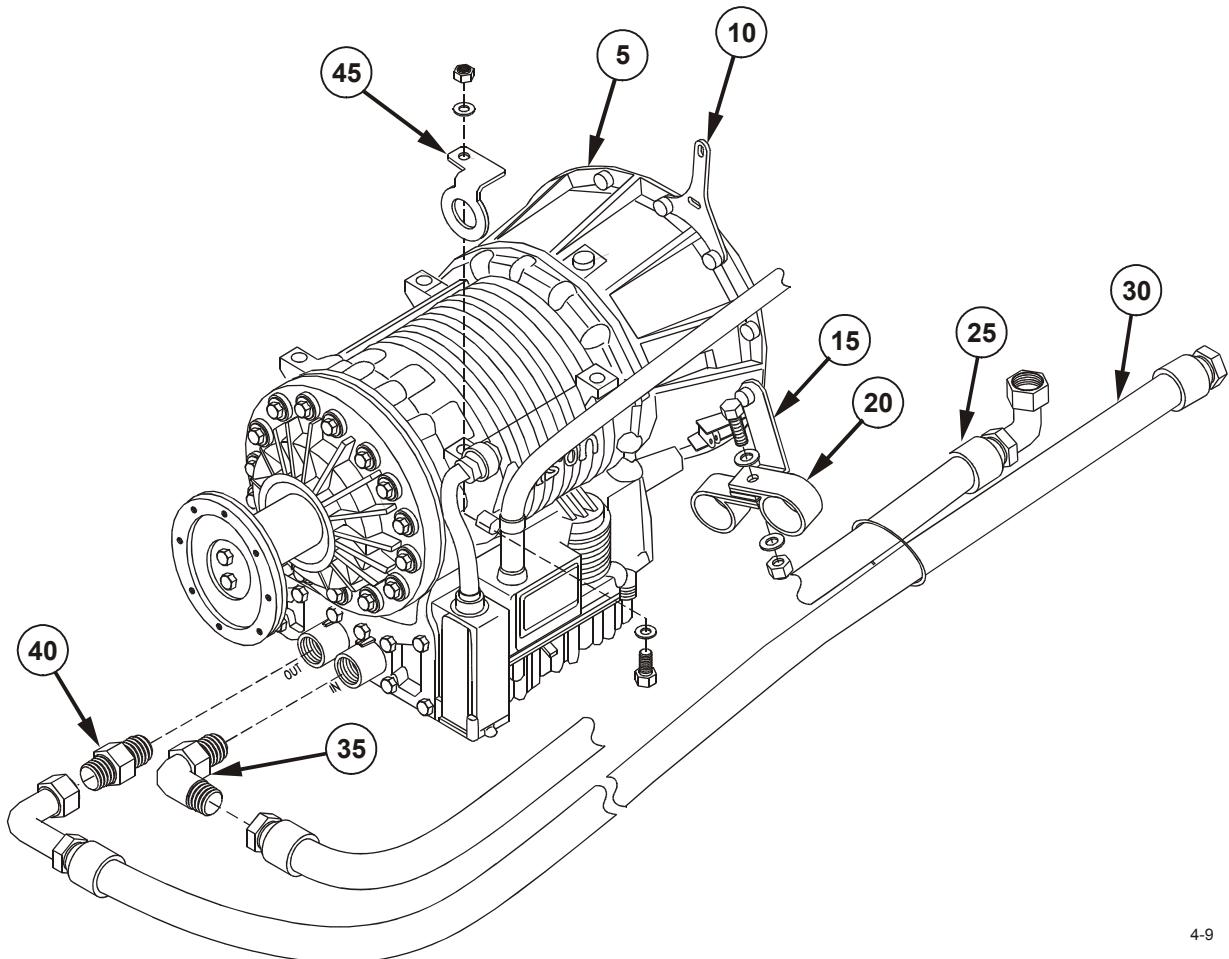
ROADSIDE COMPRESSOR - REAR VIEW



CURBSIDE COMPRESSOR - REAR VIEW

**Figure 4-8. Engine Accessories - Roadside**

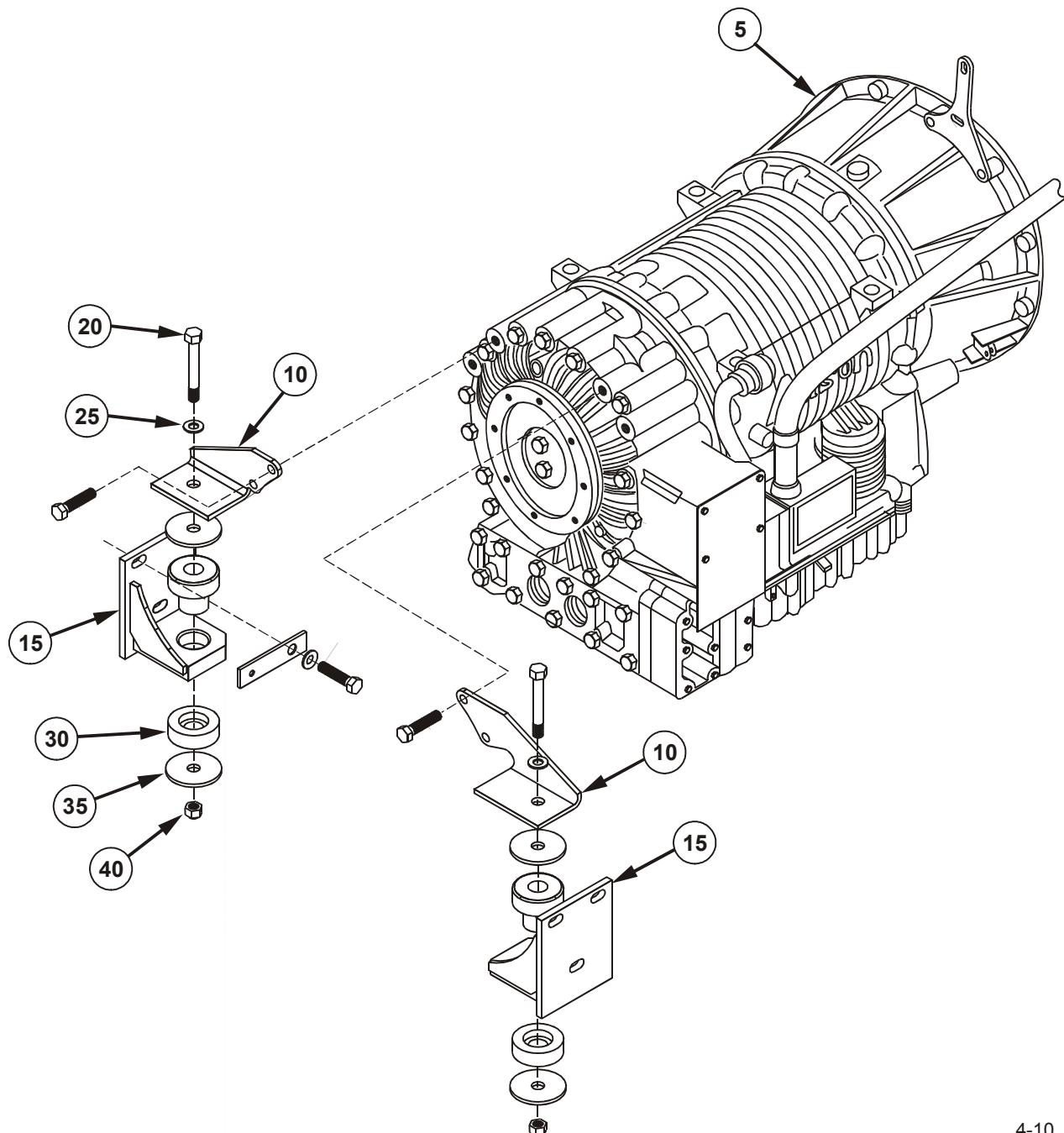
ITEM	PART NO.	DESCRIPTION	QTY
5	28-2093B	A/C Compressor Installation	REF
	21827901	A/C Compressor, R134A, A-Groove, Roadside	REF
		Deutsch Connector - Consisting of:	
	23496102	2-Pin Housing	1
	28580502	Wedge, Secondary Locking	1
	25172700	Pin, 14-16 GA	1
	25936900	Plug, Cavity	1
10	27847100	Terminal, Ring, 3/8", 14-16 GA	1
15	28968400	High Pressure Fitting	1
20	60168000	45° Street Elbow, 1/8 NPT	1
25	28968408	Hose, Discharge, 3/4-16	1
30	28968407	Plate, Manifold	1
		*** ATTACHING PARTS ***	
	61080100	Bolt, 10mm - 1.5 x 25mm	1
	28968403	Lockwasher, 10mm	1
		*** END OF ATTACHING PARTS ***	
35	28968405	Manifold Fitting, Straight, 7/8-14	1
40	28968402	Service Valve, 1/8"	1
45	28968300	Low Pressure Fitting	1
50	28968409	90° Manifold Fitting, Discharge Hose, 3/4-16	1
55	28968500	90° Manifold Fitting, Suction Hose, 7/8-14	1
60	28968401	Plug, Pipe, 1/8 MPT	4



4-9

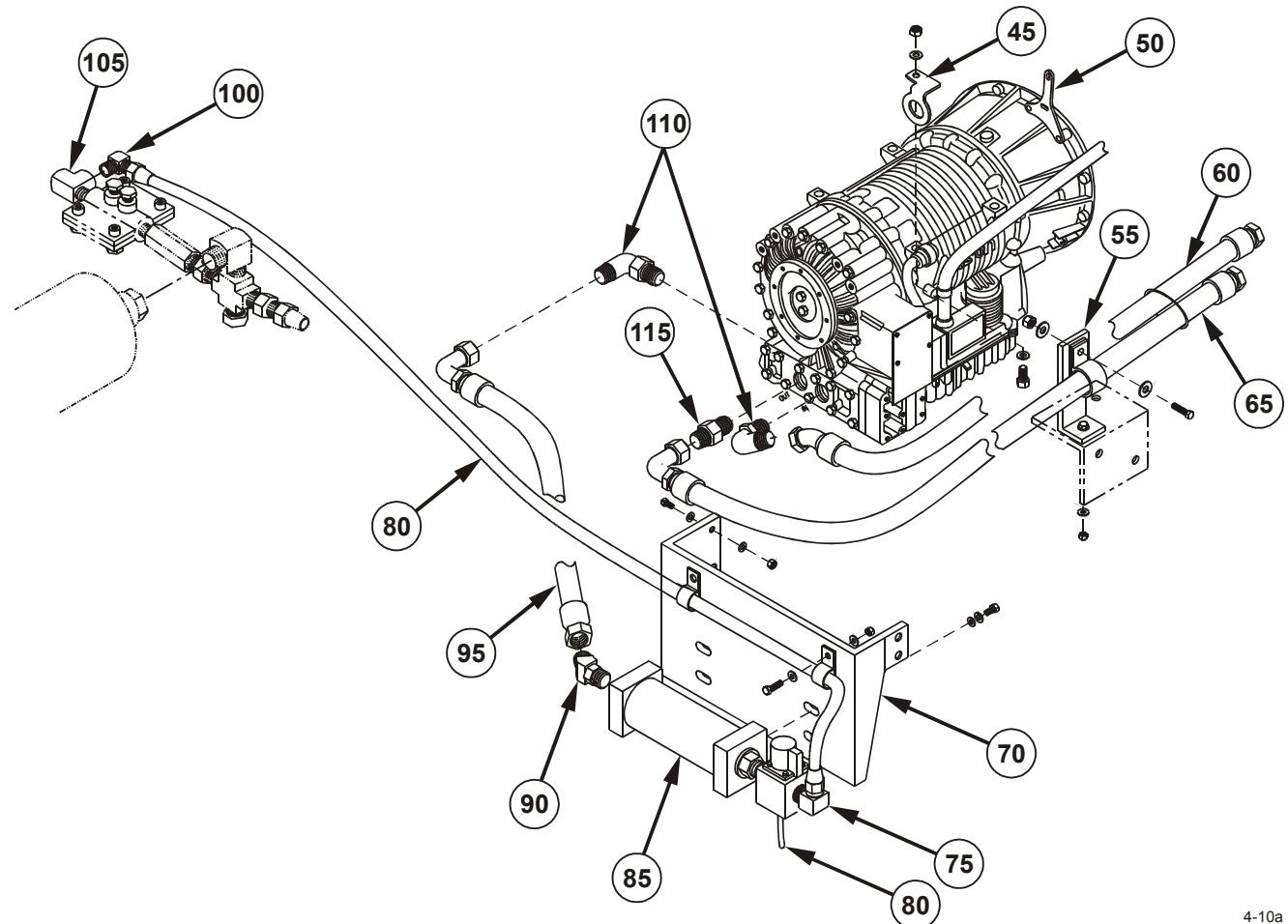
**Figure 4-9. B300 Transmission**

ITEM	PART NO.	DESCRIPTION	QTY
	28-2020C-002	Transmission Installation B300	REF
5	28114600	Transmission, B300	1
10	28-2137-3	Exhaust Support Bracket	1
	28-2137-5	Spacer	2
15	28-2055-5	Oil Cooler Line Support Bracket	1
20	21622500	Tubing Clamp, 1 1/4" Closed	2
		*** ATTACHING PARTS ***	
	60700400	Bolt, 1/4-20 x 1" LG	1
	66530200	Flatwasher, 1/4"	2
	64780800	Locknut, 1/4-20	1
		*** END OF ATTACHING PARTS ***	
25	28-2017-19	Hose Assembly, Transmission IN/CS Radiator Fitting	1
30	28-2017-20	Hose Assembly, Transmission OUT/RS Radiator Fitting	1
35	60078801	90° Male O-Ring Adapter	1
40	60109800	Straight Male O-Ring Adapter	1
45	29516336	Transmission Plug Bracket	1
		*** ATTACHING PARTS ***	
	60842000	Bolt, 1/2-13 x 1 1/2" LG	1
	68531800	Flatwasher, 1/2"	2
	64813000	Nut, Flexlock, 1/2-13	1
		*** END OF ATTACHING PARTS ***	



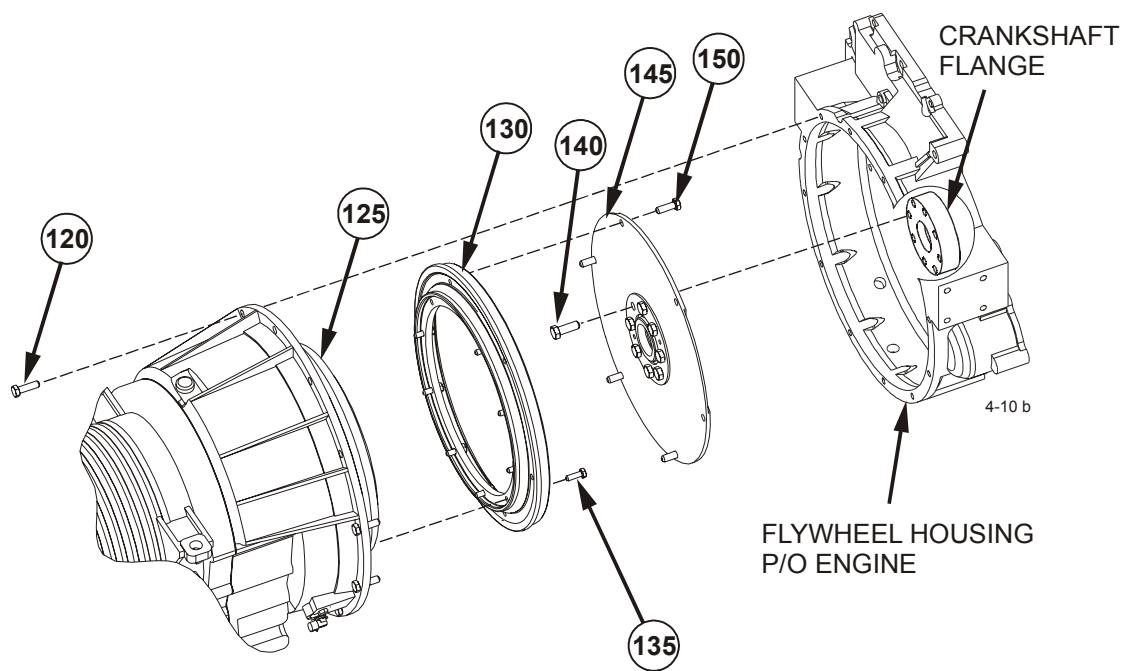
4-10

**Figure 4-10. B300R Transmission Installation (Sheet 1 of 3)**



4-10a

Figure 4-10. B300R Transmission Installation (Sheet 2 of 3)

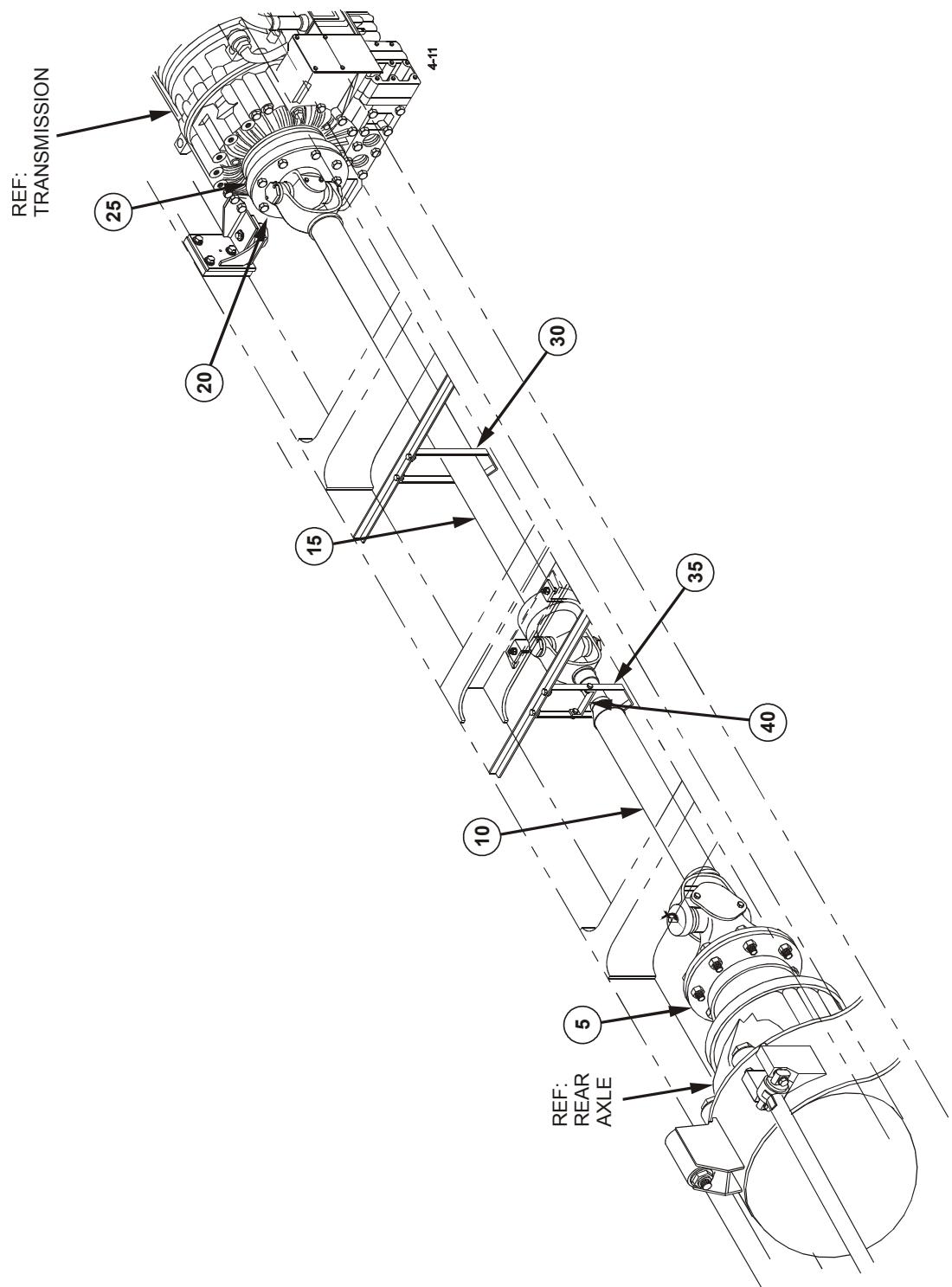


**Figure 4-10. B300R Transmission Installation (Sheet 3 of 3)**

ITEM	PART NO.	DESCRIPTION	QTY
5	28-2020C-001	Transmission Installation, B300R	REF
	28114500	Transmission, B300R	1
		*** ATTACHING PARTS ***	
	60685300	Bolt, M10-1.5 x 30mm LG	10
	68536100	Lochwasher, M10	10
		*** END OF ATTACHING PARTS ***	
10	28-2103-3	Mount, Transmission Support, Roadside	1
	28-2103-2	Mount, Transmission Support, Curbside	1
		*** ATTACHING PARTS ***	
	27674015	Bolt, M12 x 1.75 x 130 (See Allison Parts Catalog Group 39-784)	
		*** END OF ATTACHING PARTS ***	
15	28-2104-3	Weldment, Transmission Mount, Roadside	1
	28-2104-2	Weldment, Transmission Mount, Curbside	1
		*** ATTACHING PARTS ***	
	60849000	Bolt, 1/2-13 x 1 1/4" LG	3
	68553000	Washer, Hardened, 1/2" ID	3
	28-2055-2	Bracket, Clamp Support, Roadside & Curbside	1
		*** END OF ATTACHING PARTS ***	
20	60933200	Bolt, 5/8-11 x 4 1/2" LG, GR8	2
25	68552900	Flatwasher, Hardened, 5/8"	2
30	23635900	Isolator, Transmission Mount	2
35	23635901	Washer	4
40	64805400	Nut, Flexlock, Full, 5/8-11	2
45	29516336	Transmission Plug Bracket	1
		*** ATTACHING PARTS ***	
	60842000	Bolt, 1/2-13 x 1 1/2" LG	1
	68531800	Flatwasher, 1/2"	2
	64813000	Nut, Flexlock, 1/2-13	1

ITEM	PART NO.	DESCRIPTION	QTY
		*** END OF ATTACHING PARTS ***	
50	28-2137-3	Exhaust Support Bracket	1
	28-2137-5	Spacer	2
55	20-2066-6	Bracket, Oil Cooler Lines	1
		*** ATTACHING PARTS ***	
	60700400	Bolt, 1/4-20 x 1" LG, GR5	1
	66530200	Flatwasher, 1/4"	2
	64780800	Locknut, 1/4-20	1
		*** END OF ATTACHING PARTS ***	
60	28-2017-3	Hose Assembly, Retarder Inlet	1
65	28-2017-4	Hose Assembly, Retarder Outlet	1
		*** ATTACHING PARTS ***	
	21640600	Tubing Clamp, 2" Closed	1
	60700400	Bolt, 1/4-20 x 1" LG, GR5	1
	66530200	Flatwasher, 1/4"	2
	64780800	Locknut, 1/4-20	1
		*** END OF ATTACHING PARTS ***	
70	28-2105-1	Mount, Accumulator	1
		*** ATTACHING PARTS ***	
	60786200	Bolt, 3/8-16 x 1" LG, GR8	4
	68531000	Flatwasher, 3/8"	8
	64781600	Locknut, 3/8-16	4
		*** END OF ATTACHING PARTS ***	
75	60293710	90° Elbow Adapter, 1/2 T : 3/8 MPT	1
80	48012000	Tube, Air Line, 1/2" Black	AR
85	29535963	Accumulator	1
		*** ATTACHING PARTS ***	
	60848800	Bolt, 1/2-13 x 1" LG, GR8	4
	68537800	Lockwasher, 1/2"	4

ITEM	PART NO.	DESCRIPTION	QTY
	68531800	Flatwasher, 1/2"	4
		*** END OF ATTACHING PARTS ***	
90	60096500	45° O-Ring Adapter, 1 5/8-12, 37° JIC	1
95	28-2017-5	Hose Assembly, Retarder/Accumulator	1
100	60293732	90° Elbow Adapter, 1/2 T : 1/4 MPT	1
105	60262000	Street Tee, 1/4 NPT	1
110	23636200	90° O-Ring Adapter, 1 5/8-12, 37° JIC	2
115	60110400	St. O-Ring Adapter, 1 5/8-12, 37° JIC	1
120	27674001	Bolt, M10-1.50 x 35mm LG., GR 10.9	12
125	27674003	Torque Converter	1
130	27619400	Adapter, Flexplate	1
135	27674007	Bolt, M8 x 1.25 x 25 (Flexplate Adapter Assembly to Torque Converter) GR 10.9	10
140	27619500	Bolt, M12-1.75 x 35mm LG., GR 10.9	8
145	27619600	Flexplate	1
150	27674013	Bolt, M10 x 1.5 x 30 (Flexplate to Flexplate Adapter Assy) GR 10.9	6

**Figure 4-11. Driveline**

ITEM	PART NO.	DESCRIPTION	QTY
	28-2003B-001	Drive Line Installation	REF
5	28965200	Flange Yoke, 7.25" B.C.	1
10	22347606	Drive Shaft, Rear	1
		*** ATTACHING PARTS ***	
	20745600	Bolt, 3/8-24 x 1 1/2" LG	8
	24734600	Locknut, 3/8-24	8
		*** END OF ATTACHING PARTS ***	
15	28-2098-7	Drive Shaft, Front (See <a href="#">Figure 4-12</a> for BKDN)	1
		*** ATTACHING PARTS ***	
	20745600	Bolt, 3/8-24 x 1 1/2" LG	8
	68553100	Flatwasher, 3/8" H.T.	8
	24734600	Locknut, 3/8-24	8
	28-2098-11	Shim, Carrier Bearing	AR
	60842800	Bolt, 1/2-13 x 2 1/2" LG	2
	68531800	Flatwasher, 1/2"	4
	64782400	Locknut, 1/2-13	2
		*** END OF ATTACHING PARTS ***	
20	22762900	Flange Yoke, 6.12" B.C.	1
25	28965300	Companion Flange, 6.12" B.C.	1
30	20-2104-1	Guard	1
		*** ATTACHING PARTS ***	
	60766600	Bolt, 3/8-16 x 1" LG	4
	64781600	Locknut, 3/8-16	4
		*** END OF ATTACHING PARTS ***	
35	20-2104-2	Guard	1
		*** ATTACHING PARTS ***	
	60766600	Bolt, 3/8-16 x 1" LG	2
	64781600	Locknut, 3/8-16	2

ITEM	PART NO.	DESCRIPTION	QTY
40	20-2104-5	*** END OF ATTACHING PARTS ***  Bar  *** ATTACHING PARTS ***	1
	60749400	Bolt, 5/16-18 x 1" LG	2
	64781200	Locknut, 5/16-18	2
		*** END OF ATTACHING PARTS ***	

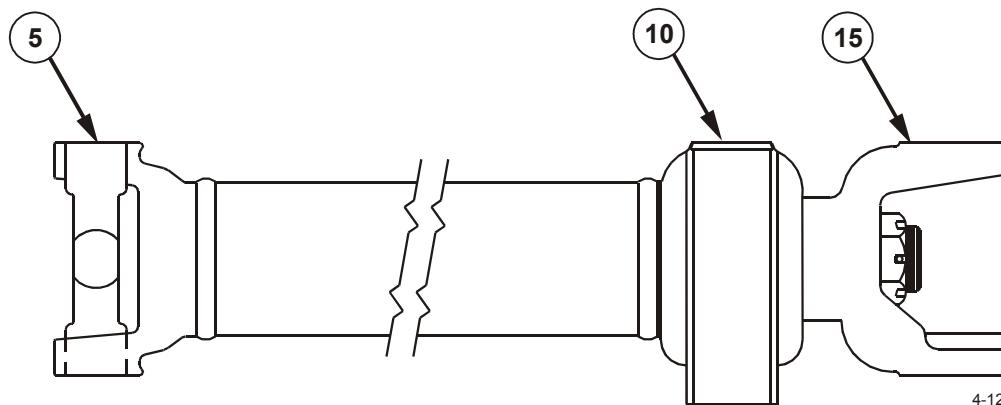


Figure 4-12. Front Driveshaft

ITEM	PART NO.	DESCRIPTION	QTY
	28-2098-007	Drive Line Assembly, Front	REF
5	28968800	Journal bearing Kit, 1600/1610	1
10	28967900	Center Bearing, 1.7717-1.772	1
15	28968700	End Yoke, 1 3/4-10 Spline	1
		*** ATTACHING PARTS ***	
	28968600	Shaft Nut, 1 1/4-18	1
		Cotter Pin, 18 x 2	BULK
		*** END OF ATTACHING PARTS ***	



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Figure 5-1	Fuel Tanks .....	5-2
Figure 5-2	Fuel System Installation.....	5-4
Figure 5-3	Exhaust Installation (Sheet 1 of 2) .....	5-6

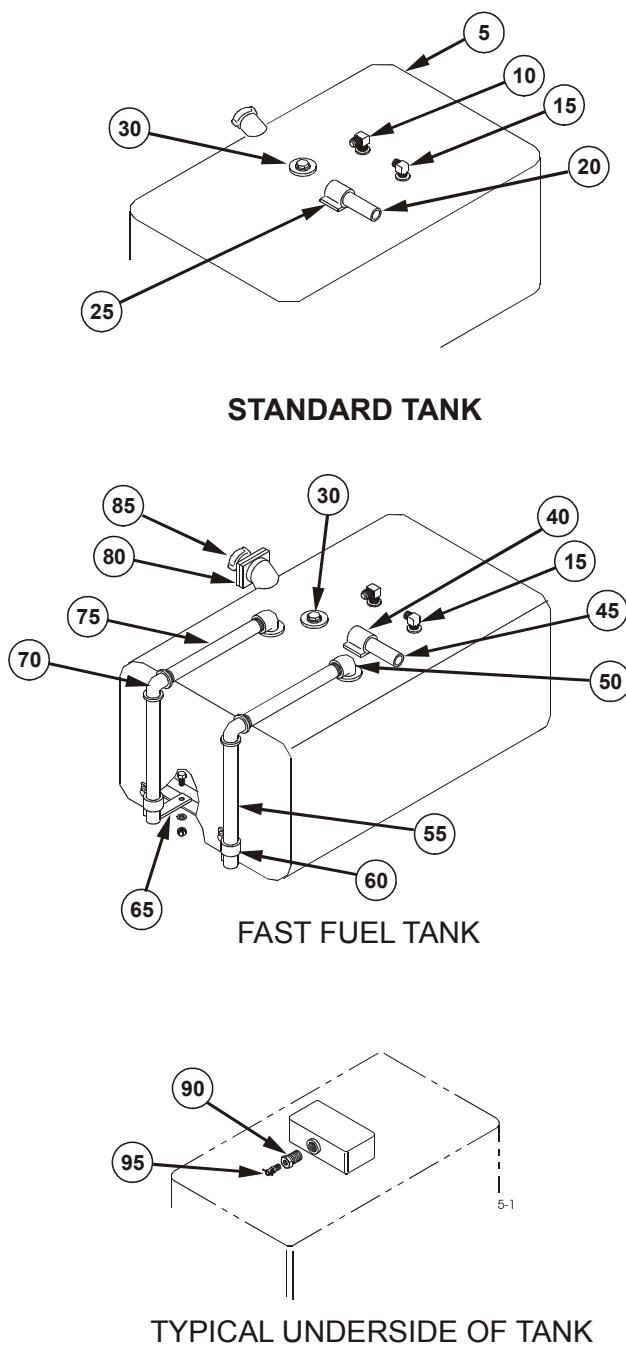
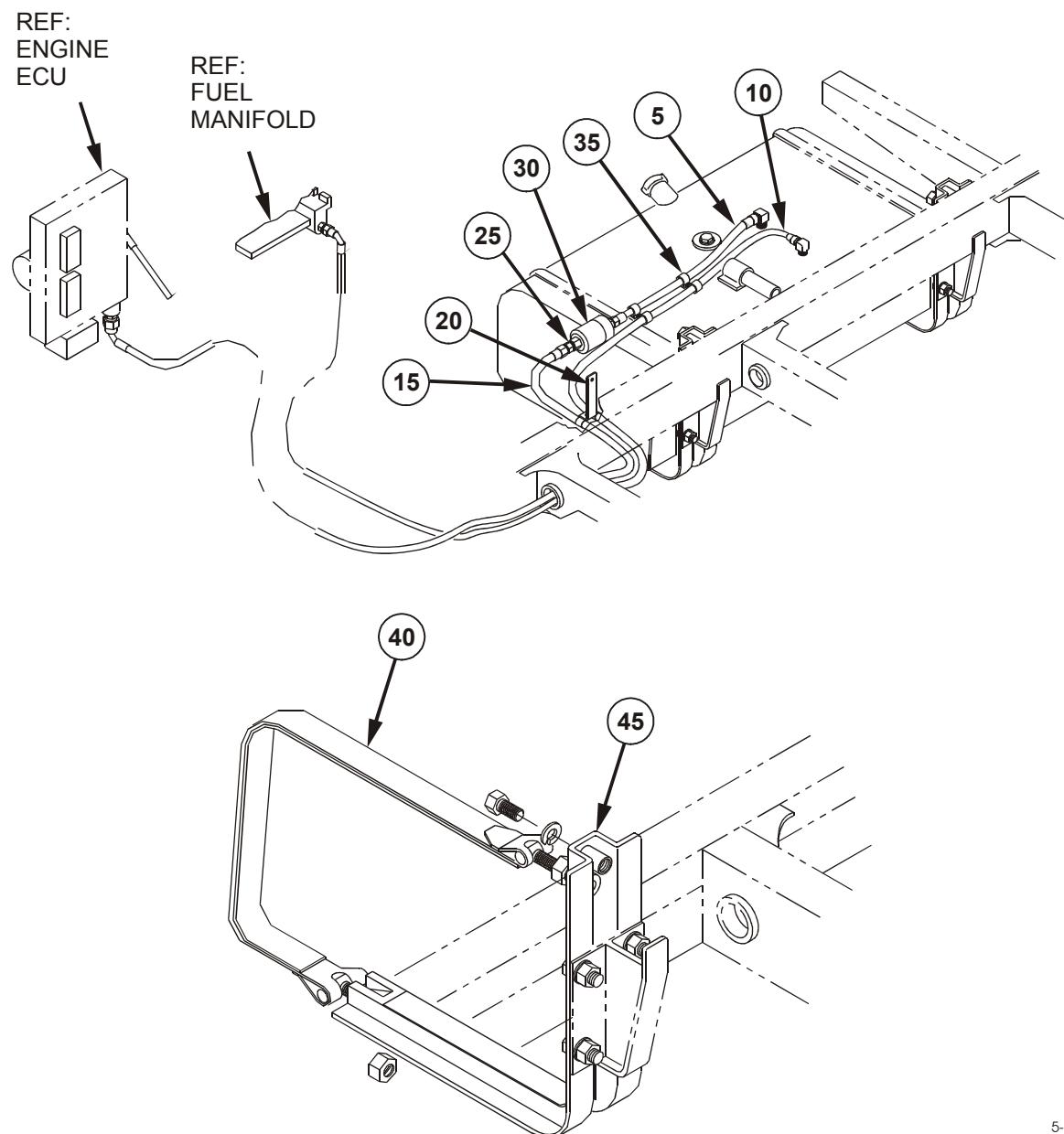


Figure 5-1. Fuel Tanks

ITEM	PART NO.	DESCRIPTION	QTY
	28-2120D	Fuel System Installation	REF
5	27761004	Tank, Fuel, 75 Gallon	1
10	60017108	90° adapter Elbow, 1/2M 45° : 1/2 MPT	1
15	60231900	90° adapter Elbow, 3/8M 45° : 1/2 MPT	1
20	28655400	Whistle, Tank	1
25	28451800	Check Valve, Ball Control	1
30	26514500	Fuel Sender Unit	1
35	27761008	Tank, Fuel, 75 gallon w/Fast Fill Flange	1
40	28432202	Level Control Valve	1
45	28655500	Tank Whistle	1
50	28432101	Pressure Relief Valve	2
55	28-2023-3	Vertical Overflow Pipe	2
60	21644000	Clamp, Tubing, 1 3/4" Closed	2
65	28-2023-1	Clamp Angle	1
		*** ATTACHING PARTS ***	
	60700200	Bolt, 1/4-20 x 3/4", GR5	4
	68530200	Flatwasher, 1/4"	4
	64780800	Locknut, 1/4-20	4
		*** END OF ATTACHING PARTS ***	
70	62743400	90° Elbow, 1 1/4" FPT	2
75	28-2023-2	Horizontal Overflow Pipe	2
80	28432201	Fast Fuel Adapter	1
85	21233200	Dust Cap	1
90	60250000	Adapter Bushing, 1/2 MPT : 1/4 FPT	1
95	28461200	Drain valve	1



5-2

Figure 5-2. Fuel System Installation

ITEM	PART NO.	DESCRIPTION	QTY
	28-2120D	Fuel System Installation	REF
5	28-2001-011	Fuel Hose (tank to inline filter)	1
10	28-2001-013	Fuel Hose (return line)	1
15	28-2001-012	Fuel Hose (inline filter to engine)	1
20	28-2574-1	Fuel Line Hanger Bracket	1
25	60020400	Male Connector, 1/2 M : 1/2 MPT	1
30	22670601	Fuel Strainer, Inline	1
35	61600800	Clamp, Tubing, 5/8" Closed	3
	61601000	Clamp, Tubing, 3/4" Closed	3
		*** ATTACHING PARTS ***	
	60700200	Bolt, 1/4-20 x 3/4", GR5	1
	68530200	Flatwasher, 1/4"	1
	64780800	Locknut, 1/4-20	1
		*** END OF ATTACHING PARTS ***	
40	27761006	Tank Strap	2
		*** ATTACHING PARTS ***	
	27761009	Nut, Shoulder (for tank strap)	1
	64782400	Locknut, 1/2-13	1
		*** END OF ATTACHING PARTS ***	
45	27761005	Tank Support Bracket	2
		*** ATTACHING PARTS ***	
	60849200	Bolt, 1/2-13 x 1 1/2" GR8	1
	68537800	Lockwasher, 1/2"	1
	60849400	Bolt, 1/2-13 x 1 3/4", GR8	4
	68553000	Flatwasher, Hardened, 1/2" Plain	4
	64805000	Flexloc Nut, Full, 1/2-13	4
		*** END OF ATTACHING PARTS ***	

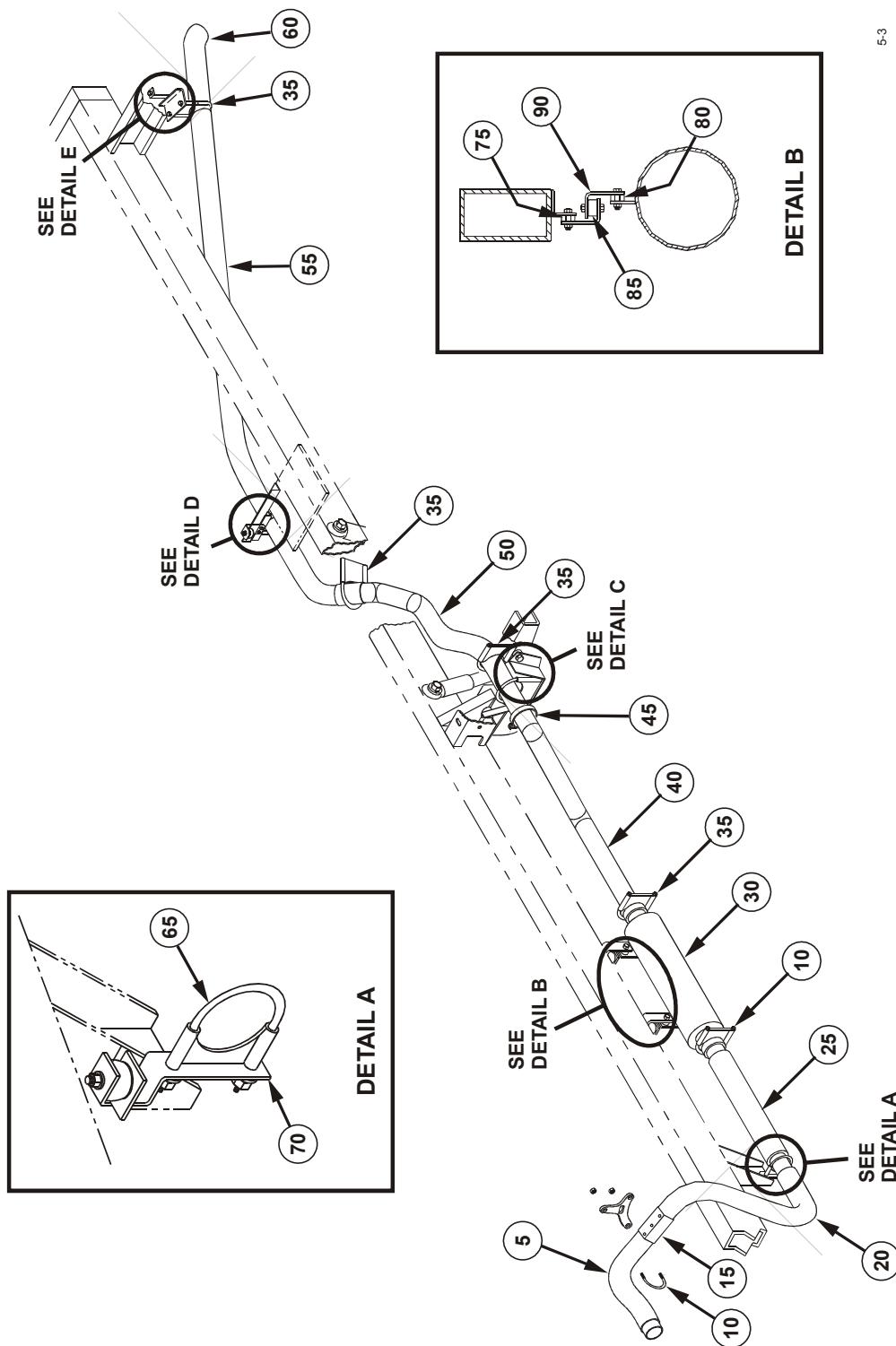
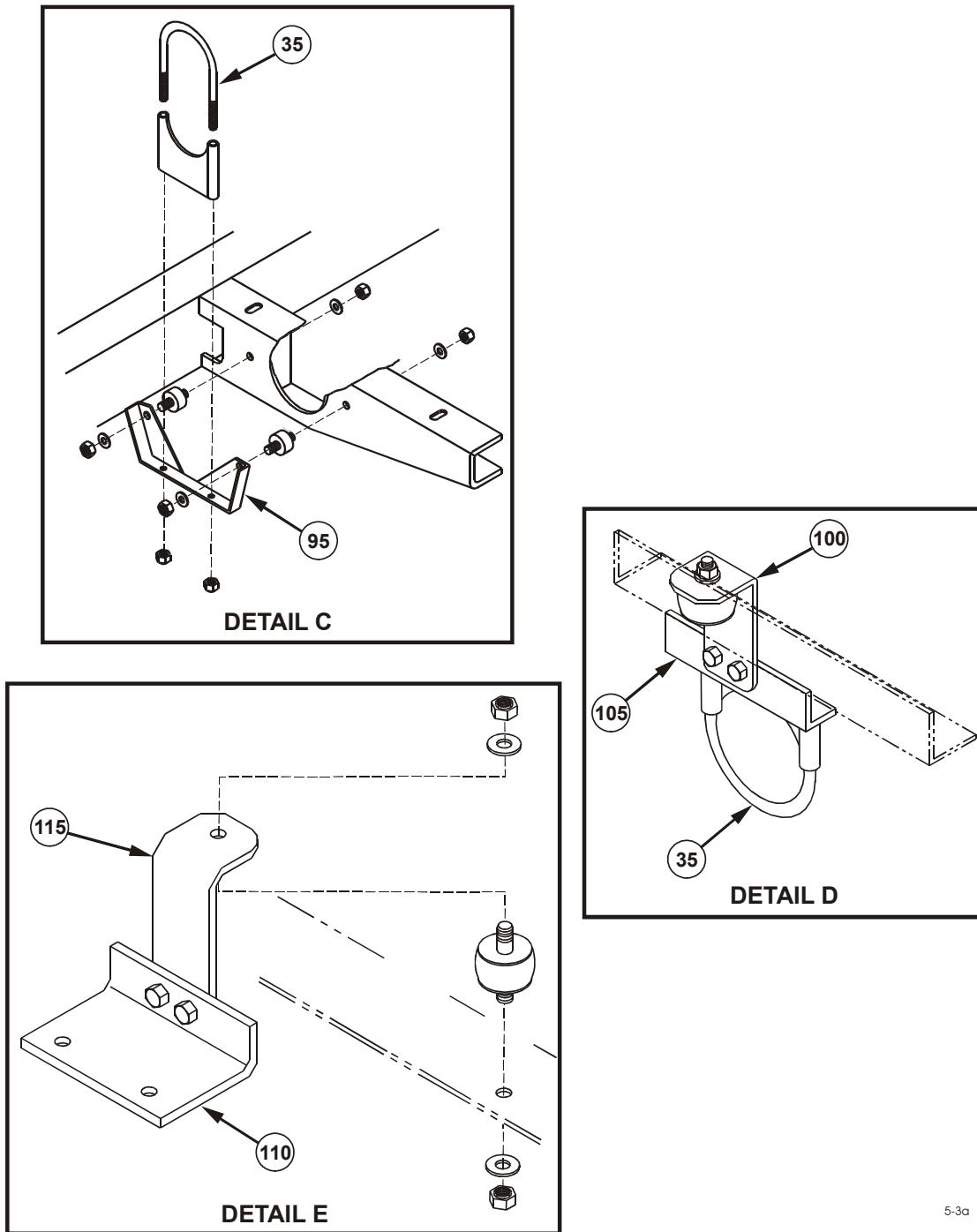


Figure 5-3. Exhaust Installation (Sheet 1 of 2)



5-3a

**Figure 5-3. Exhaust Installation (Sheet 2 of 2)**

ITEM	PART NO.	DESCRIPTION	QTY
	28-2130C-001	Exhaust Installation	REF
5	28-9038B-2	Exhaust Tube, Upper Crossover	1
	23878707	Exhaust Blanket, Upper Crossover	1
10	21642601	Muffler Clamp, 3 1/2"	2
15	21620500	Band Clamp, 3" Band	1
	23878708	Exhaust Blanket, Seam	1
20	28-9038-1	Exhaust Tube, Lower Crossover	1
	23878706	Exhaust Blanket, Lower Crossover	1
25	22939800	Exhaust Tube	1
	23878703	Exhaust Blanket, Forward Muffler	1
30	24581100	Muffler, Non Catalytic	1
35	21642700	Muffler Clamp, 4"	6
40	28-2138-1	Exhaust Tube, Aft Muffler	1
	23878704	Exhaust Blanket, Aft Muffler	1
45	21641700	Band Clamp, 5 1/2"	1
50	28-2138-2	Exhaust Tube, Over Axle	1
55	28-2138-5	Exhaust Tube, Aft End Tailpipe	1
60	22461900	Turndown Tailpipe	1
65	21636800	Muffler Clamp, 3 1/4"	1
70	28-2136-7	Exhaust Hanger Bracket	1
		*** ATTACHING PARTS ***	
	24525000	Vibration Mount, 5/16-18	1
	68530600	Flatwasher, 5/16"	2
	64804400	Nut, Flexlock, 5/16-18	2
		*** END OF ATTACHING PARTS ***	
75	20-4162-3	Spacer	2
		*** ATTACHING PARTS ***	
	60767200	Bolt, 3/8-16 x 1 3/4", GR5	1

ITEM	PART NO.	DESCRIPTION	QTY
	68531000	Flatwasher, 3/8"	1
	64804600	Nut, Flexlock, 3/8-16	1
		*** END OF ATTACHING PARTS ***	
80	20-4162-3	Spacer	2
		*** ATTACHING PARTS ***	
	60767400	Bolt, 3/8-16 x 2", GR5	1
	68531000	Flatwasher, 3/8"	1
	64804600	Nut, Flexlock, 3/8-16	1
		*** END OF ATTACHING PARTS ***	
85	24525000	Vibration Mount, 5/16-18	2
		*** ATTACHING PARTS ***	
	68530600	Flatwasher, 5/16"	2
	64804400	Nut, Flexlock, 5/16-18	2
		*** END OF ATTACHING PARTS ***	
90	28-2136-8	Exhaust Hanger Bracket	4
95	28-2136-9	Exhaust Hanger Bracket	1
		*** ATTACHING PARTS ***	
	24525000	Vibration Mount, 5/16-18	2
	68530600	Flatwasher, 5/16"	2
	64804400	Nut, Flexlock, 5/16-18	2
		*** END OF ATTACHING PARTS ***	
100	28-2136-10	Exhaust Hanger Bracket	1
		*** ATTACHING PARTS ***	
	24525000	Vibration Mount, 5/16-18	2
	68530600	Flatwasher, 5/16"	2
	64804400	Nut, Flexlock, 5/16-18	2
	60749400	Bolt, 5/16-18 x 1", GR5	2
	68530600	Flatwasher, 5/16"	4
	64781200	Locknut, 5/16-18	2

ITEM	PART NO.	DESCRIPTION	QTY
		*** END OF ATTACHING PARTS ***	
105	05-2139-1	Exhaust Hanger Bracket	1
110	28-2136-11	Exhaust Hanger Bracket	1
		*** ATTACHING PARTS ***	
	60749400	Bolt, 5/16-18 x 1", GR5	2
	68530600	Flatwasher, 5/16"	4
	64781200	Locknut, 5/16-18	2
		*** END OF ATTACHING PARTS ***	
115	28-2136-3	Exhaust Hanger Bracket	1
		*** ATTACHING PARTS ***	
	24525000	Vibration Mount, 5/16-18	1
	68530600	Flatwasher, 5/16"	2
	64804400	Nut, Flexlock, 5/16-18	2
		*** END OF ATTACHING PARTS ***	

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Figure 6-1	Cooling System Installation B300 & B300R.....	6-2
Figure 6-2	Surge Tank and Fill Plate Assemblies .....	6-6
Figure 6-3	B300 Radiator Installation .....	6-10
Figure 6-4	B300R Radiator Installation (Sheet 1 of 2).....	6-12

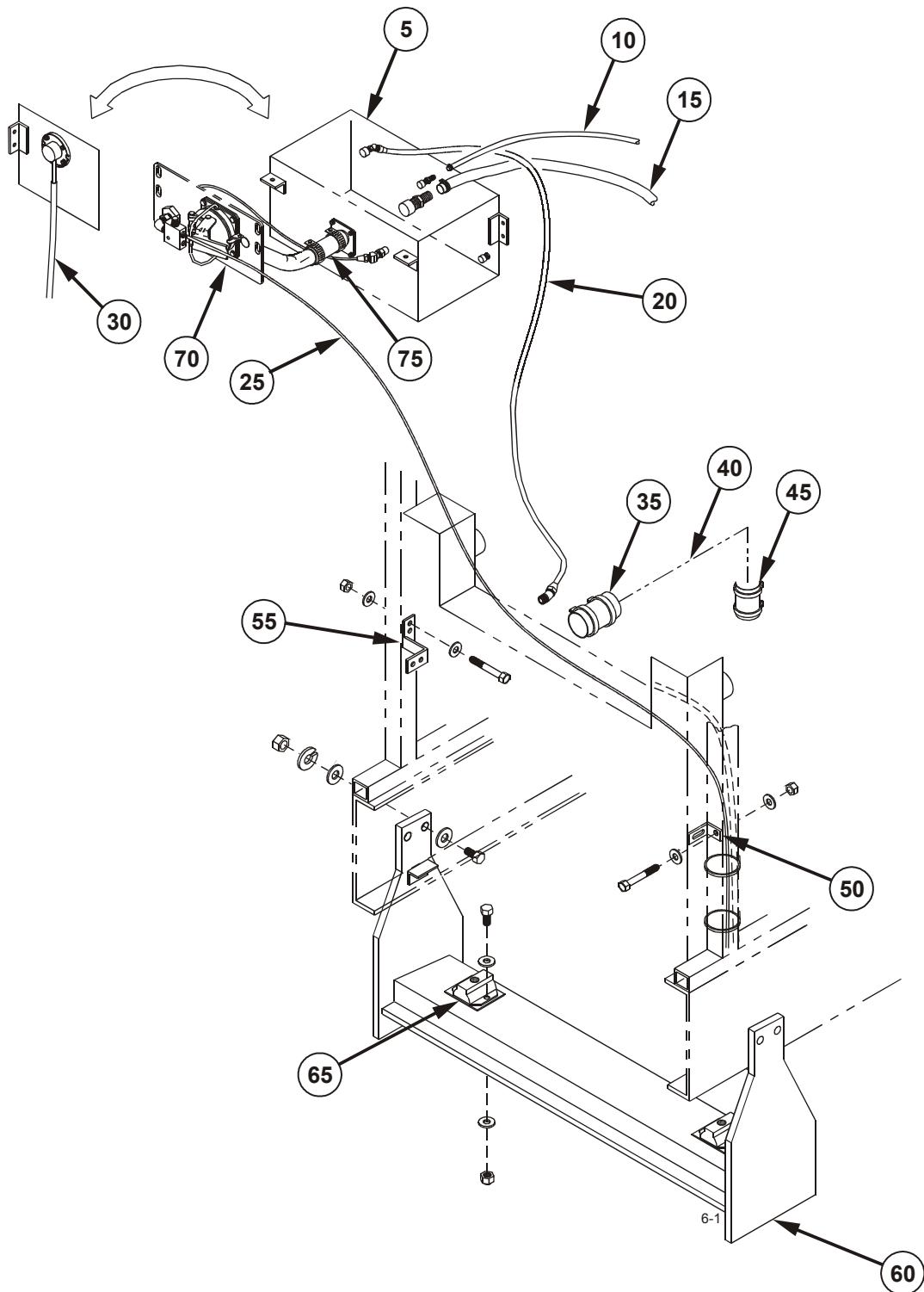


Figure 6-1. Cooling System Installation B300 &amp; B300R

ITEM	PART NO.	DESCRIPTION	QTY
5	28-2005B	Cooling System Installation ISB02	REF
	28-2006B	Surge Tank Installation	REF
	28-2009-3	Surge Tank ( See <a href="#">Figure 6-2</a> for BKDN)	1
		*** ATTACHING PARTS ***	
	60702600	Bolt, 1/4-20 x 3.75" LG, GR5	4
	68530200	Flatwasher, 1/4"	8
	68537000	Lockwasher, 1/4"	4
	64750000	Nut, 1/4-20	4
	60700400	Bolt, 1/4-20 x 1" LG, GR5	2
	68530200	Flatwasher, 1/4"	4
10	68537000	Lockwasher, 1/4"	2
	64750000	Nut, 1/4-20	2
		*** END OF ATTACHING PARTS ***	
	48000300	Hose, Silicone, 1/4" ID	AR
		*** ATTACHING PARTS ***	
	21610700	Hose Clamp, 9/16"-3/4"	2
		*** END OF ATTACHING PARTS ***	
	48000900	Hose, Silicone, 1" ID	AR
		*** ATTACHING PARTS ***	
	21611400	Hose Clamp	2
15		*** END OF ATTACHING PARTS ***	
	48010000	Hose, Air Tube, 3/8"	AR
		*** ATTACHING PARTS ***	
	60170000	Tube Insert, 3/8"	2
	60167400	45° Male Elbow	1
		*** END OF ATTACHING PARTS ***	
	23490100	Hose, Overfill, 5/32"	AR
	42710900	Drain Tube, 7/16" OD	AR

ITEM	PART NO.	DESCRIPTION	QTY
35	48025500	Hose, 2" ID, B300R ONLY	1
	48025600	Hose, 1 3/4" ID, B300 ONLY	1
		*** ATTACHING PARTS ***	
	21645400	Hose Clamps, Lined, 65mm B300R ONLY	2
	21645300	Hose Clamps, Lined, 60mm, B300 ONLY	2
		*** END OF ATTACHING PARTS ***	
40	28-2014-2	Upper Radiator Tube, B300R ONLY	1
	28-2014-3	Upper Radiator Tube, B300 ONLY	1
45	48025600	Hose, Silicone, 1 3/4" ID	1
		*** ATTACHING PARTS ***	
	21645300	Hose Clamp, Lined, 60mm (at engine)	2
		*** END OF ATTACHING PARTS ***	
50	28-2018A-2	Bracket, Radiator Mount, Roadside	1
		*** ATTACHING PARTS ***	
	23151300	Grommet, 21/32" MTG Hole x 7/16" ID	1
	60767600	Bolt, 3/8-16, 2.25" LG, GR5	1
	68531000	Flatwasher, 3/8"	2
	64781600	Locknut, 3/8-16	1
		*** END OF ATTACHING PARTS ***	
55	28-2018A-1	Bracket, Radiator Mount, Curbside	1
		*** ATTACHING PARTS ***	
	23151300	Grommet, 21/32" MTG Hole x 7/16" ID	2
	60767600	Bolt, 3/8-16, 2.25" LG, GR5	2
	68531000	Flatwasher, 3/8"	4
	64781600	Locknut, 3/8-16	2
		*** END OF ATTACHING PARTS ***	
60	28-2016A-1	Crossmember, Radiator	1
		*** ATTACHING PARTS ***	
	60842000	Bolt, 1/2-13 x 1.5" LG, GR5	4

ITEM	PART NO.	DESCRIPTION	QTY
65	68531800	Flatwasher, 1/2"	8
	68537800	Lockwasher, 1/2"	4
	64751600	Nut, 1/2-13	4
		*** END OF ATTACHING PARTS ***	
	23635400	Mount, Radiator Isolator	2
		*** ATTACHING PARTS ***	
	28-2018-4	Shim	AR
	60766600	Bolt, 3/8-16 x 1" LG, GR5	4
	68531000	Flatwasher, 3/8"	8
	64781600	Locknut, 3/8-16	4
70		*** END OF ATTACHING PARTS ***	
	28-2009-2	Fill Plate Assembly	1
		*** ATTACHING PARTS ***	
	60700400	Bolt, 1/4-20 x 1" LG, GR5	4
	68530200	Flatwasher, 1/4"	8
	68537000	Lockwasher, 1/4"	4
	64750000	Nut, 1/4-20	4
		*** END OF ATTACHING PARTS ***	
	28-2015-1	Hose, Connection	1
		*** ATTACHING PARTS ***	
75	21645500	Clamp, Lined, 50mm	2
		*** END OF ATTACHING PARTS ***	

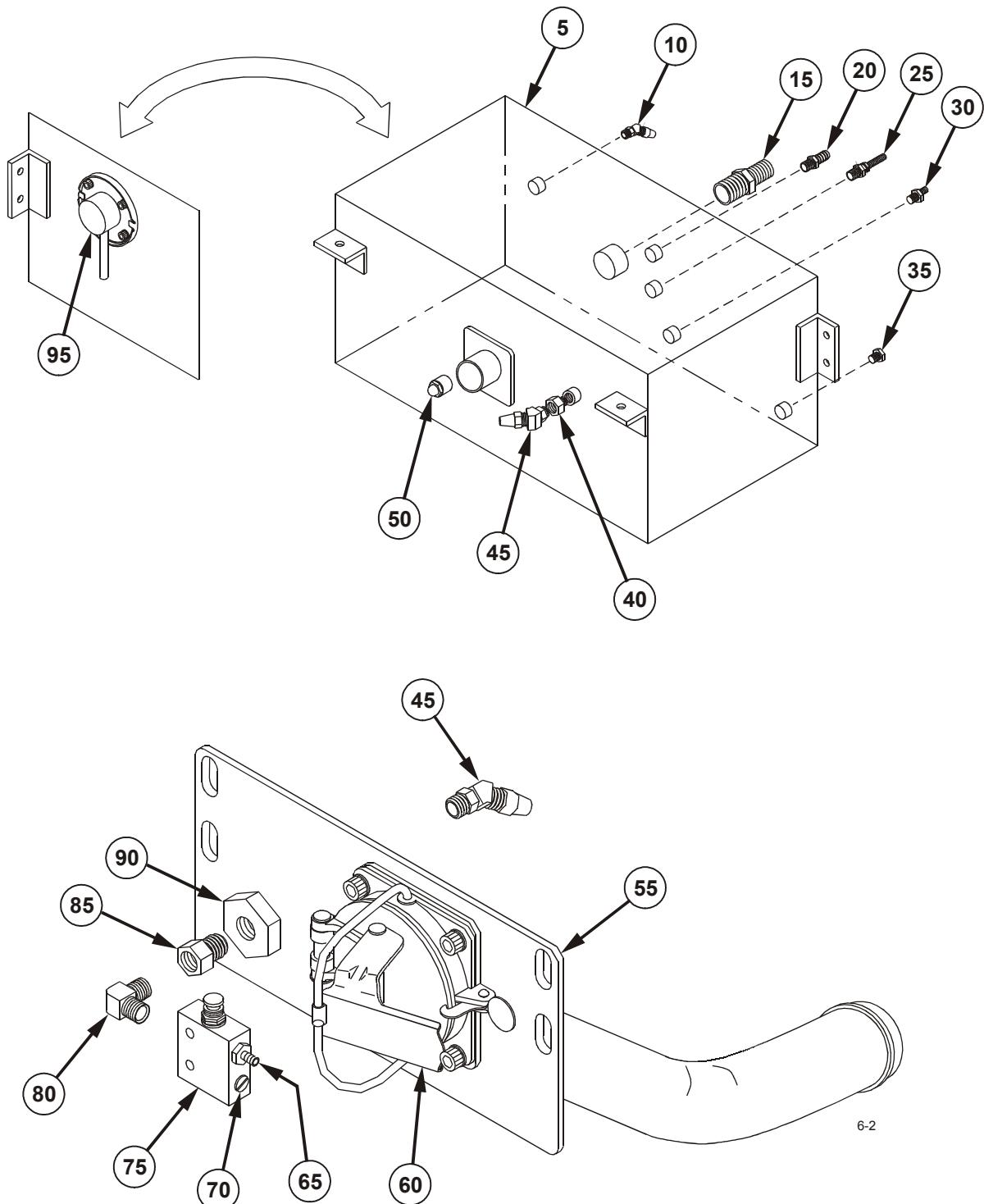


Figure 6-2. Surge Tank and Fill Plate Assemblies

ITEM	PART NO.	DESCRIPTION	QTY
	28-2009	Surge Tank Assembly Fill Plate Assembly	REF
5	28-2048-1	Surge Tank Weldment	1
10	60167400	45° Adapter Elbow	1
15	21911500	Hose Barb, 1" MPT : 1" ID Hose	1
20	60037500	Hose Barb, 3/8 MPT : 1/4 ID Hose	1
25	25555000	Low Coolant Probe	1
30	27892500	Sensor, Low Coolant Probe	1
35	60274200	Plug, 3/8" NPT	1
40	60247600	Adapter Bushing, 1/8 MPT : 1/4 FPT	1
45	60167800	45° Adapter Elbow	1
50	27759402	Sight Glass, 3/4" NPT	1
55	28-2011-1	Fill Mounting Bracket	1
60	21232900	Remote Fill Cap, Surge Tank	1
		*** ATTACHING PARTS ***	
	22987400	Gasket	1
	61079800	Screw, 1/4-20 x 3/4"	4
	68537000	Lockwasher, 1/4"	4
		*** END OF ATTACHING PARTS ***	
65	20406300	Hose Barb, 1/8 MPT : 1/8 ID	1
70	60142202	Plug, 1/8 NPT	1
75	28455300	Manual Relief Valve	1
80	60142201	90° Elbow	1
85	60249200	Reducer Bushing	1
90	60142200	Anchor Coupling, 1/4 FPT : 1/4 FPT	1
95	28455400	Pressure Relief Valve, 15 PSI	1
		*** ATTACHING PARTS ***	
	28455201	Gasket	1
	61078201	Screw, 10-32 x 3/4", SS	4

ITEM	PART NO.	DESCRIPTION	QTY
	68541501	Lockwasher, #10 *** END OF ATTACHING PARTS ***	4

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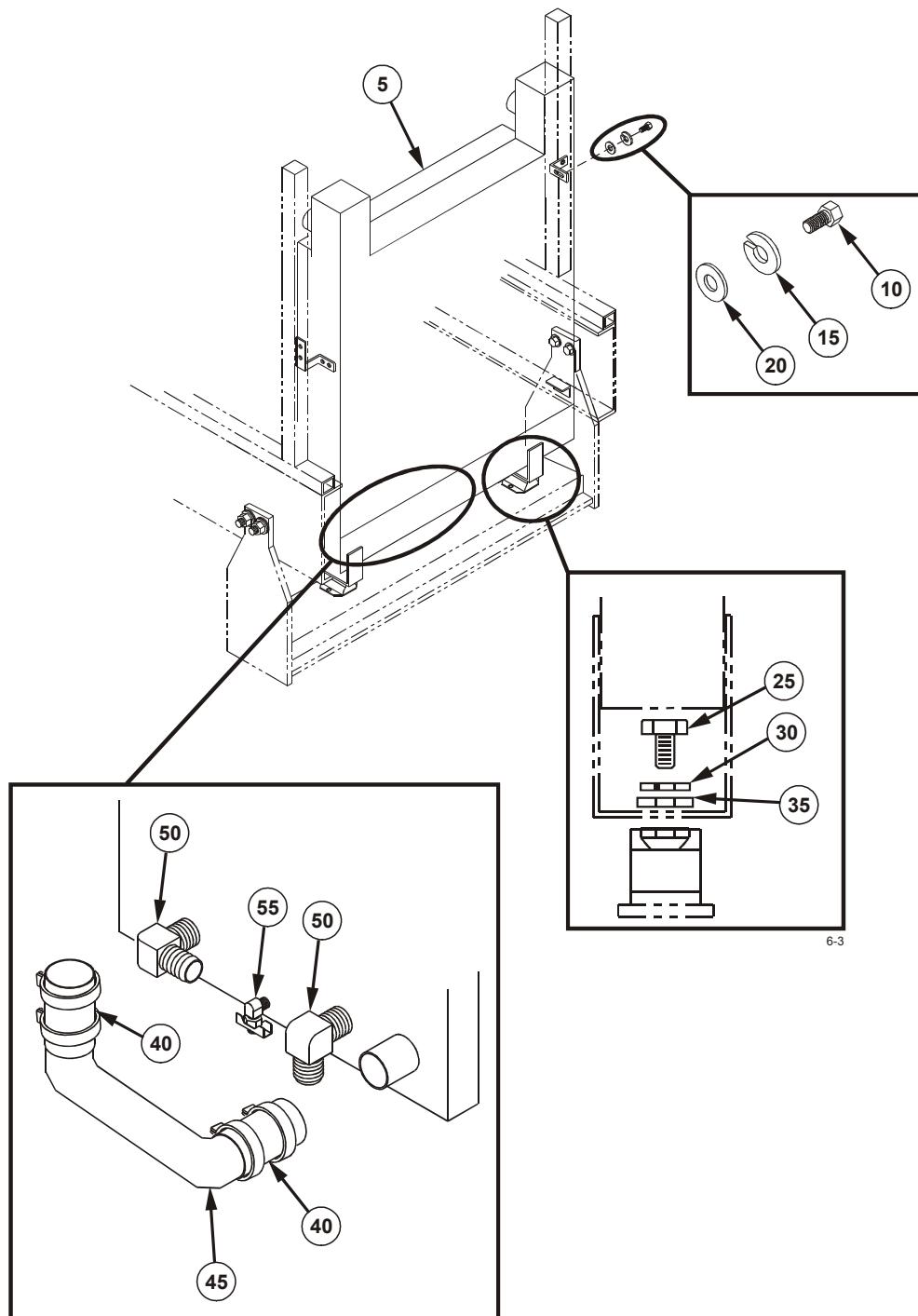


Figure 6-3. B300 Radiator Installation

ITEM	PART NO.	DESCRIPTION	QTY
5	28-2005B-3	Cooling System Installation	REF
	25785102	Radiator/Charge Air Cooler	1
	28-2014-3	Upper Radiator Tube, B300	1
	48025600	Hose, Silicon, 1 3/4" ID x 6" LG	1
	21645300	Hose Clamp, Lined, 60mm	2
10	60766400	Bolt, 3/8-16 x 0.75" LG, GR5	2
15	68537400	Lockwasher, 3/8"	2
20	68531000	Flatwasher, 3/8"	2
25	60841400	Bolt, 1/2-13 x 0.75" LG, GR5	2
30	68537800	Lockwasher, 1/2"	2
35	68531800	Flatwasher, 1/2"	2
40	48025500	Hose, Silicon, 2" ID x 6" LG	2
		*** ATTACHING PARTS ***	
	21645400	Hose Clamp, Lined, 65mm	2
		*** END OF ATTACHING PARTS ***	
45	28-2013A-2	Lower Radiator Tube, B300	1
50	60294300	90° Male Elbow, 1/2" )-Ring : 1" M37 JIC	2
55	60255600	90° Street Elbow, 1/4 MPT : 1/4 FPT	1

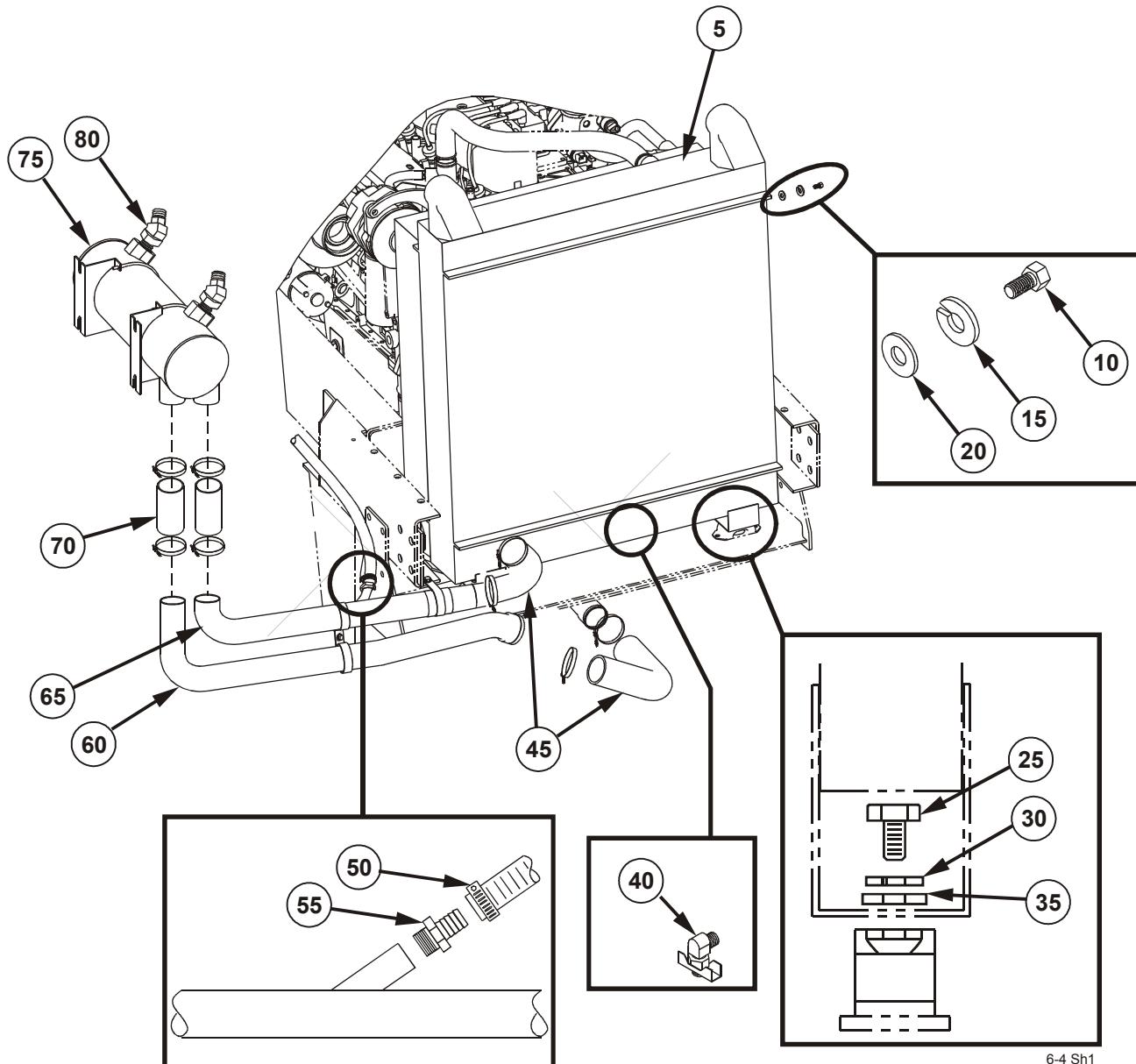


Figure 6-4. B300R Radiator Installation (Sheet 1 of 2)

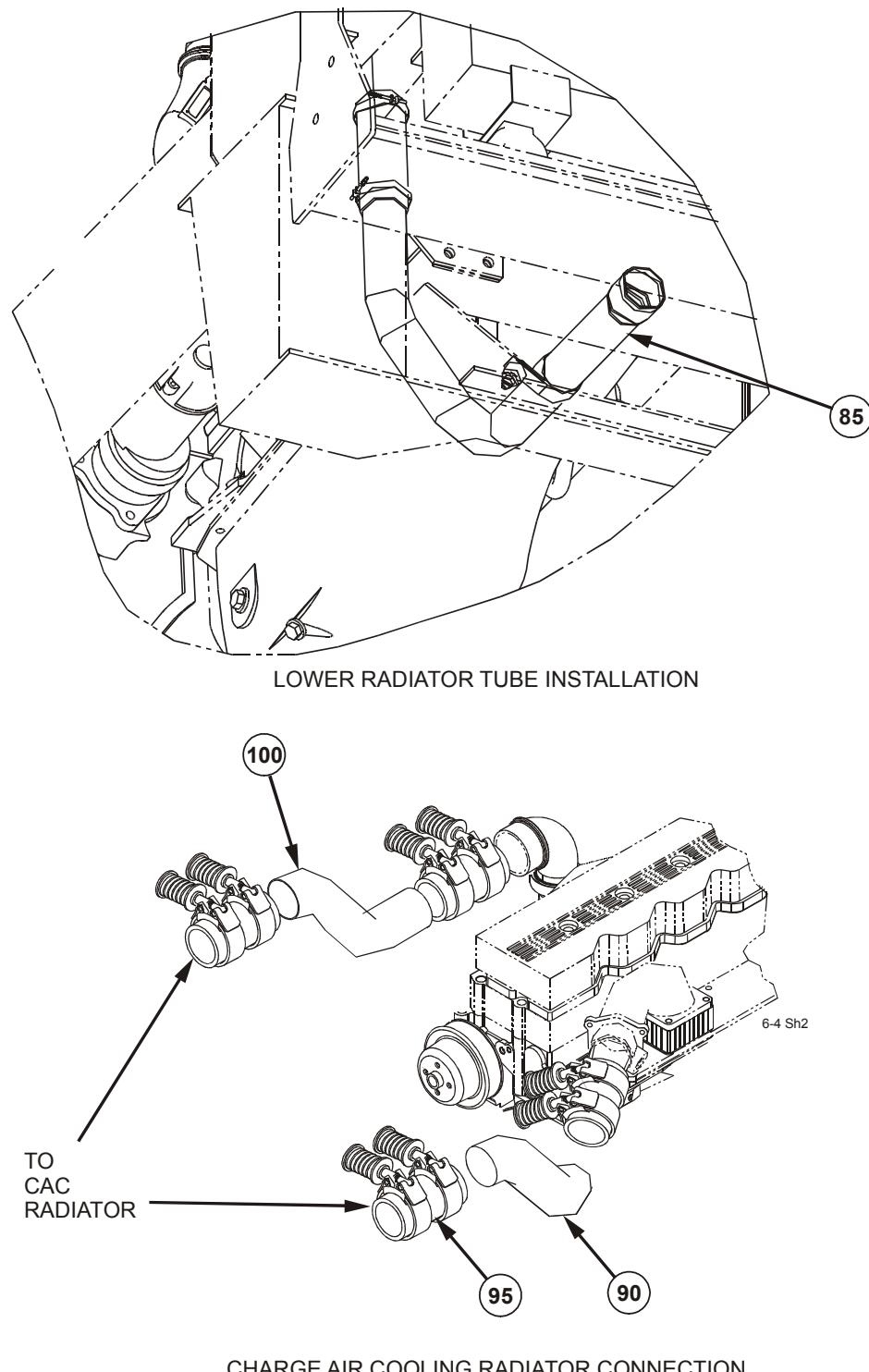


Figure 6-5. B300R Radiator Installation (Sheet 2 of 2)

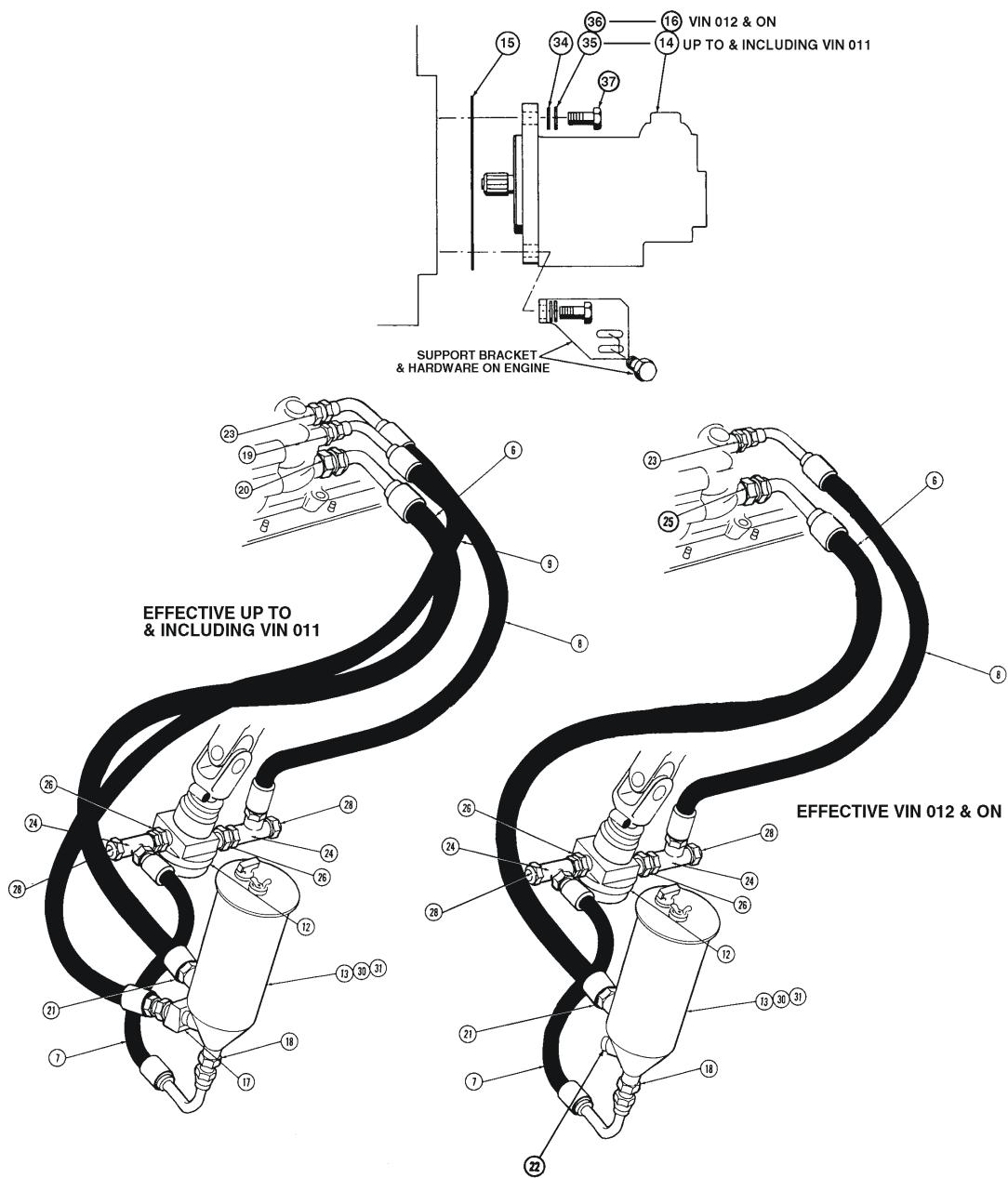
ITEM	PART NO.	DESCRIPTION	QTY
5	28-2005B	Cooling System Installation ISB02	REF
	25785200	Radiator, B300R	1
	28-2014-2	Upper Radiator Tube	1
	48022500	Hose, Silicone, 2" ID x 6" LG	1
	21645400	Hose Clamp, Lined, 65mm	2
10	60766400	Bolt, 3/8-16 x 0.75" LG, GR5	2
15	68537400	Lockwasher, 3/8"	2
20	68531000	Flatwasher, 3/8"	2
25	60841400	Bolt, 1/2-13 x 0.75" LG, GR5	2
30	68537800	Lockwasher, 1/2"	2
35	68531800	Flatwasher, 1/2"	2
40	60255600	90° Street Elbow, 1/4 MPT : 1/4 FPT	1
45	23491700	Coolant Hose, 90° Elbow	2
		*** ATTACHING PARTS ***	
	21645600	Hose Clamp, 2.55" - 2.95"	2
		*** END OF ATTACHING PARTS ***	
50	21611200	Hose Clamp	1
55	21872300	Hose barb, 5/8 ID Hose : 1/2 MPT	1
60	28-2022-3	Tube, Oil Cooler (to engine)	1
65	28-2022-2	Tube, Oil Cooler (to radiator)	1
70	48004800	Hose, Silicone, 2 1/4" ID x 6" LG	2
		*** ATTACHING PARTS ***	
	21645600	Hose Clamp, 2.55" - 2.95"	2
		*** END OF ATTACHING PARTS ***	
75	23636000	Oil Cooler, Transmission	1
		*** ATTACHING PARTS ***	
	60766800	Bolt, 3/8-16 x 1.25" LG	4
	68531000	Flatwasher, 3/8"	8

ITEM	PART NO.	DESCRIPTION	QTY
	64781600	Locknut, 3/8-16	4
		*** END OF ATTACHING PARTS ***	
80	60096500	45° Male O-Ring Adapter	2
85	28-2013-5	Radiator Tube, Lower	1
		*** ATTACHING PARTS ***	
	21640600	Clamp, Tube, 2" Closed	1
	60749800	Bolt, 5/16-18 x 1.5" LG, GR5	1
	68530400	Washer, 5/16"	2
	20-4162-3	Spacer	1
	64781200	Locknut, 5/16-18	1
		*** END OF ATTACHING PARTS ***	
90	28-9036-2	Air Charge Tube (Roadside)	1
95	48004902	Hose, 3" ID x 4 Ply x 6" LG	4
		*** ATTACHING PARTS ***	
	21620300	Clamp, Air Tube	2
		*** END OF ATTACHING PARTS ***	
100	22539408	Air Charge Tube (Curbside)	1



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Figure 7-1	Power Steering Hydraulic System Installation .....	7-2
Figure 7-2	Steering Column Installation .....	7-6
Figure 7-3	Gear Box Assembly .....	7-8

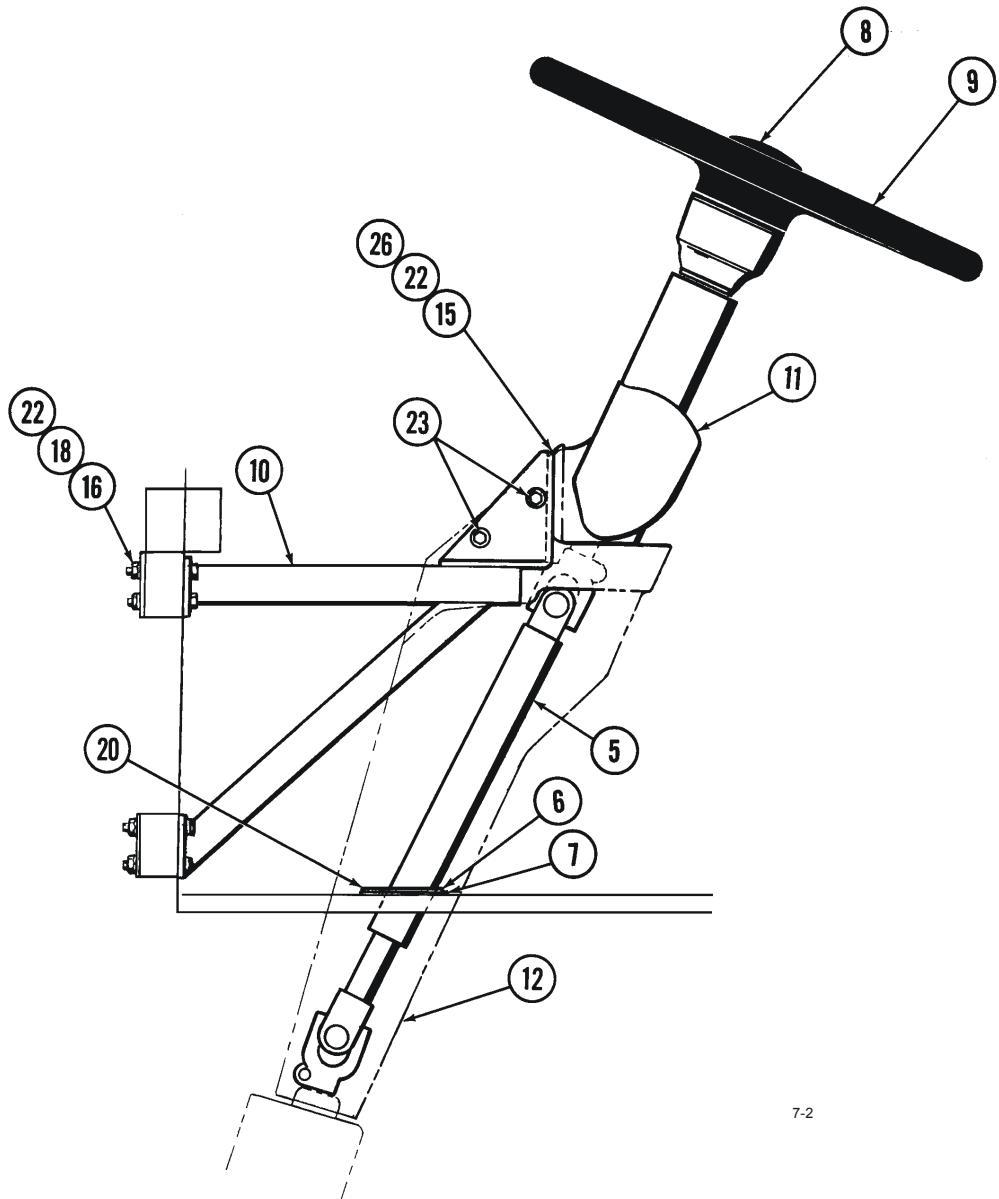


**Figure 7-1. Power Steering Hydraulic System Installation**

ITEM	PART NO.	DESCRIPTION	QTY
	20-5010-001	Gear Box & Hydraulic Installation	REF
6	33476515	Hose Assembly	1
7	33476518	Hose	1
8	33476517	Hose	1
9	33476516	Hose	1
12	71529400	Gear Box Assembly	1
13	25970500	Reservoir ASM Hyd Steer/Gbox	1
	25970501	Element Cartridge	1
	25970502	Dipstick-Steering Box	1
	25970503	Spring-Steering Box	1
	25970504	Gasket-Steering Box	1
	25970505	Screw Wing-Steering Box	1
14	25916300	Pump P/S (Cummins)	1
15	25916301	Gasket-P/S Pump	1
16	25916400	Pump-Power Steering (Parker)	1
17	60036600	90° Adapter, 1/ MPT : 3.8 M 37°	1
18	60020200	Adapter, 1/2 MPT : 3/8 M 37°	1
19	60019400	Adapter, 3/8 MPT : 3/8 M 37°	1
20	60022000	Adapter, 1" MPT : 3/4 M 37°	1
21	60037800	90° Adapter, 3/4 MPT : 4 M 37°	1
22	62781200	Plug, Pipe, 1/2 MPT	1
23	60106000	Adapter, 3/8 37° : 3/4-16 or	1
24	60115200	Adapter, Tee, 3/8	1
25	60022100	Adapter, 3/4 37° : 1 5/16-12 OR	1
26	60122500	Adapter, 3/8 M ST THD - 3/4-16 OR	2
28	60127500	Nut, 3/8"	2
30	60749400	Bolt, 5/16-18 x 1", GR5	4
31	68537200	Lockwasher, 5/16	4

ITEM	PART NO.	DESCRIPTION	QTY
34	68530800	Washer, 3/8"	2
35	68537400	Lockwasher, 3/8	2

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7-2

**Figure 7-2. Steering Column Installation**

ITEM	PART NO.	DESCRIPTION	QTY
	28-5020	Steering Column Installation	REF
5	26562001	Shaft Assembly, Intermediate	1
6	35394500	Plate-Steering Column	1
7	30742800	Boot-Steering Column	1
8	21055800	Button, Horn	1
	20971600	Brush ASM TRW	1
9	28636601	Wheel, Steering	1
10	30851499	Bracket-Steering column	1
11	21790400	Column, Steering (TRW)	1
12	36738300	Shroud-Steering Column	1
15	60766400	Bolt, 3/8-16 X 3/4", GR5	4
16	60767800	Bolt, 3/8-16 X 2 1/2", GR5	8
18	64804600	Locknut, 3/8-16	8
21	66424200	Screw, #8-1	4
22	68531000	Washer, 3/8"	12
23	66426700	Screw, #10 x 1/2	4
24	68550001	Washer, #8	4
26	68537400	Lockwasher, 3/8"	4

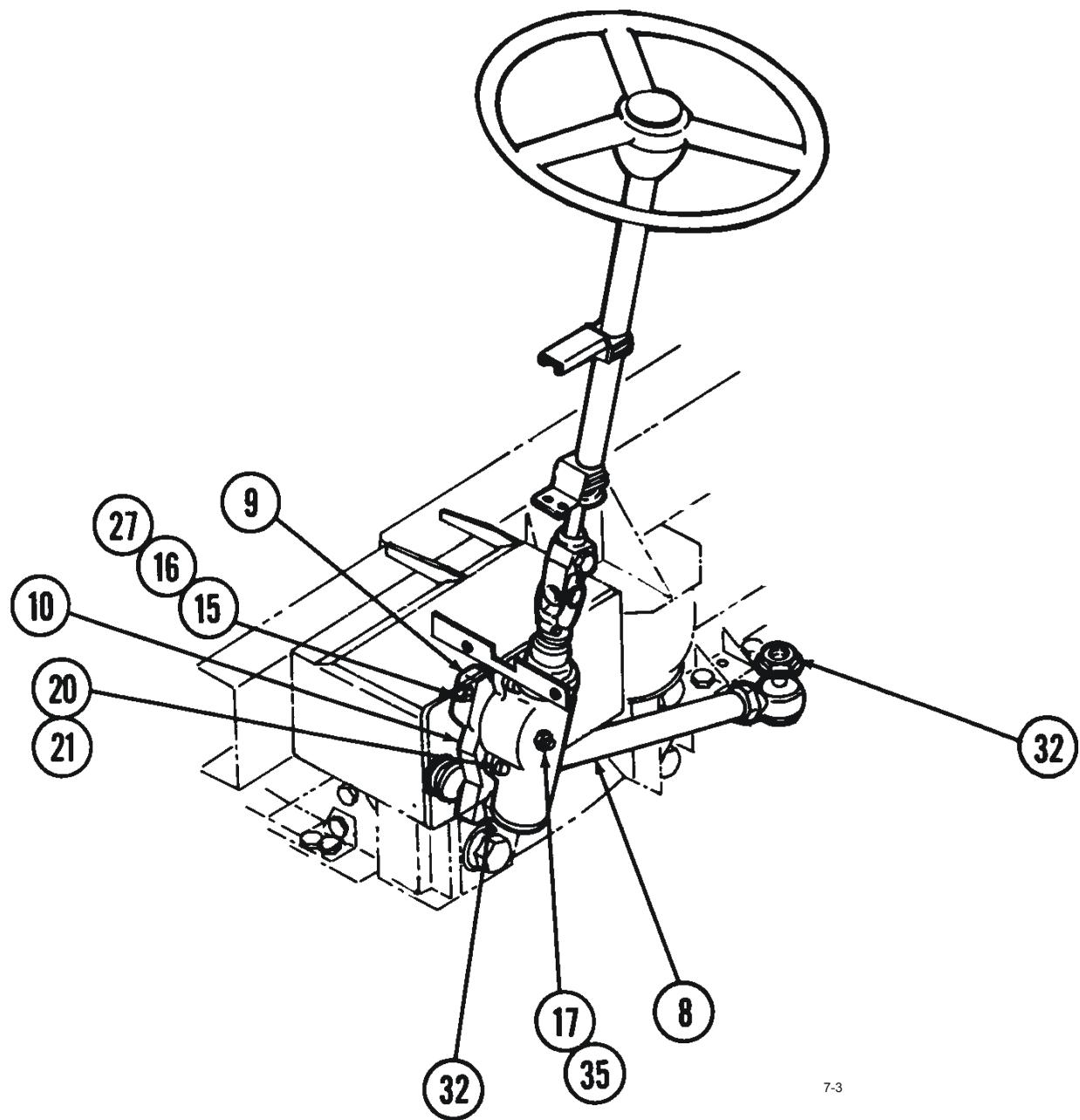


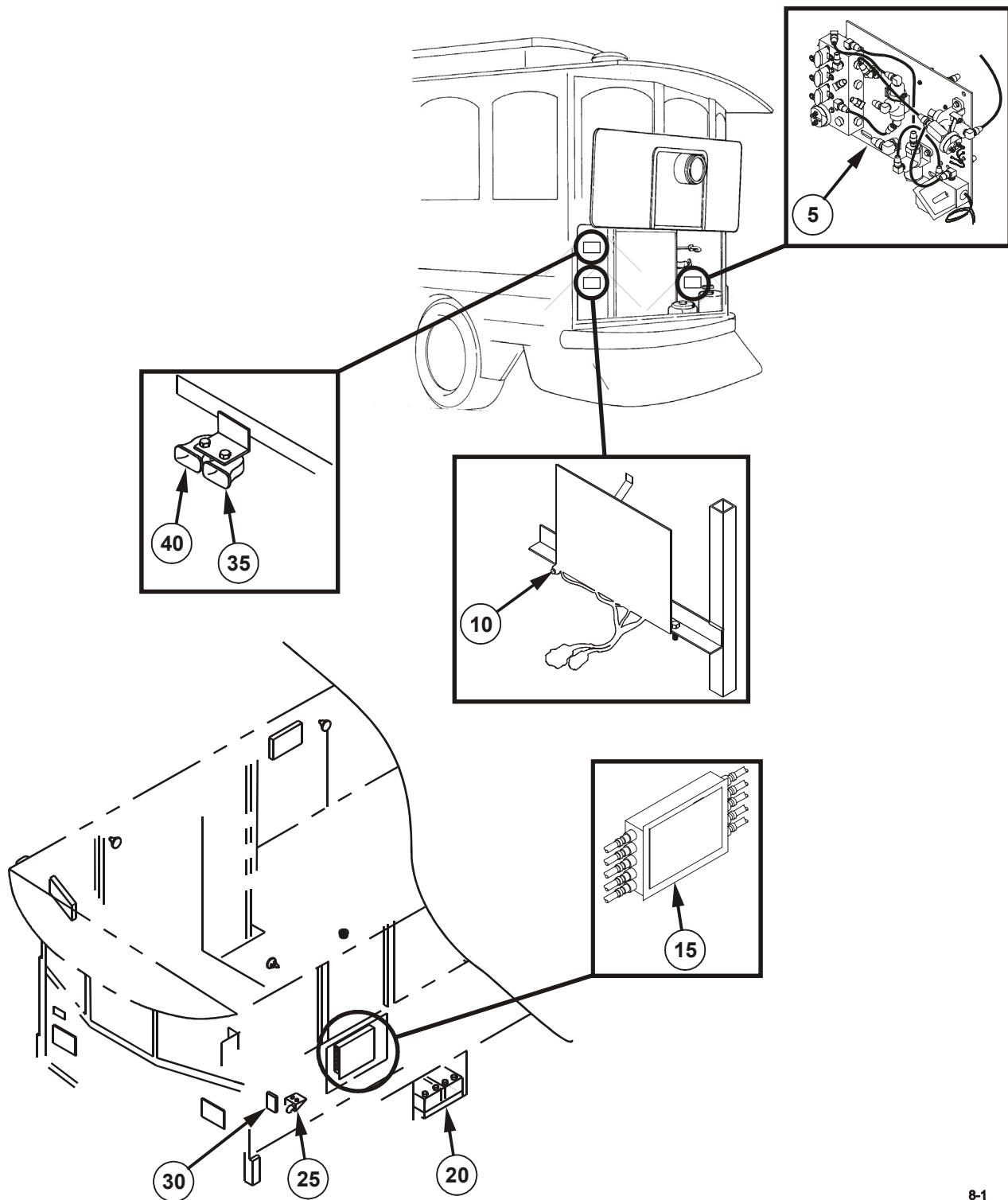
Figure 7-3. Gear Box Assembly

ITEM	PART NO.	DESCRIPTION	QTY
	20-5020	Steering Column & Gear Assembly	REF
8	26968901	Drag Link	1
9	23009600	Gear Assembly, Steering	1
10	20273800	Arm, Steering Gear Box	1
15	68552900	Washer, 5/8" HRD	1
16	64805400	Locknut, 5/8-11	1
17	60982200	Bolt, 3/4-16 x 1 1/2", GR8	1
20	60930700	Bolt, 5/8-18 x 1 1/2", GR8	4
21	68538200	Lockwasher, 5/8"	4
27	60932400	Bolt, 5/8-11 x 3 1/2, GR8	1
32	65165400	Pin, Cotter, 5/32 x 2"	2
35	68538400	Lockwasher, 3/4"	1



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Figure 8-1	Forward Electrical Installation .....	8-2
Figure 8-2	Engine Component Bracket B300/B300R .....	8-4
Figure 8-3	Junction Box.....	8-8
Figure 8-4	Battery Installation .....	8-10
Figure 8-5	Dash Component Bracket B300 / B300R.....	8-14
Figure 8-6	Clearance Light Installation .....	8-18
Figure 8-7	Parking, Turn Signal, and License Plate Lamps .....	8-22
Figure 8-8	Interior Lights and Speakers .....	8-24
Figure 8-9	Deutsch Connector Parts.....	8-26
Figure 8-10	Left Instrument Panel.....	8-28
Figure 8-11	Center Instrument Panel .....	8-30
Figure 8-12	Right Instrument Panel.....	8-32



8-1

Figure 8-1. Forward Electrical Installation

ITEM	PART NO.	DESCRIPTION	QTY
	28-7100B	Final Electrical Installation	REF
5	20-6040-3	Piping Board Assembly (See <a href="#">Figure 3-4</a> for BKDN)	1
10	28-7713C-002	Engine Component Bracket, B300 ONLY (See <a href="#">Figure 8-2</a> for BKDN)	1
	28-7713C-002	Engine Component Bracket, B300R ONLY (See <a href="#">Figure 8-2</a> for BKDN)	1
		*** ATTACHING PARTS ***	
	60700200	Bolt, 1/4-20 x 3/4", GR5	3
	66530200	Washer, 1/4" SAE	3
	60700400	Bolt, 1/4-20 x 1", GR5	1
	68537000	Lockwasher, 1/4"	1
	66530200	Washer, 1/4" SAE	1
		*** END OF ATTACHING PARTS ***	
15	22274200	Junction Box (See <a href="#">Figure 8-3</a> for BKDN)	1
20		Battery Installation (See <a href="#">Figure 8-4</a> for BKDN)	REF
25	28-7410-1	Turn Signal & Dimmer Switch Assembly	1
		Consisting of:	
	28-7411A-1	Mounting Bracket	1
	27662501	Turn Signal Switch	2
	27662500	Dimmer Switch	1
30	21942200	Transmission ECU	1
35	23438301	Horn, Hi Tone	1
40	23438401	Horn, Lo Tone	1

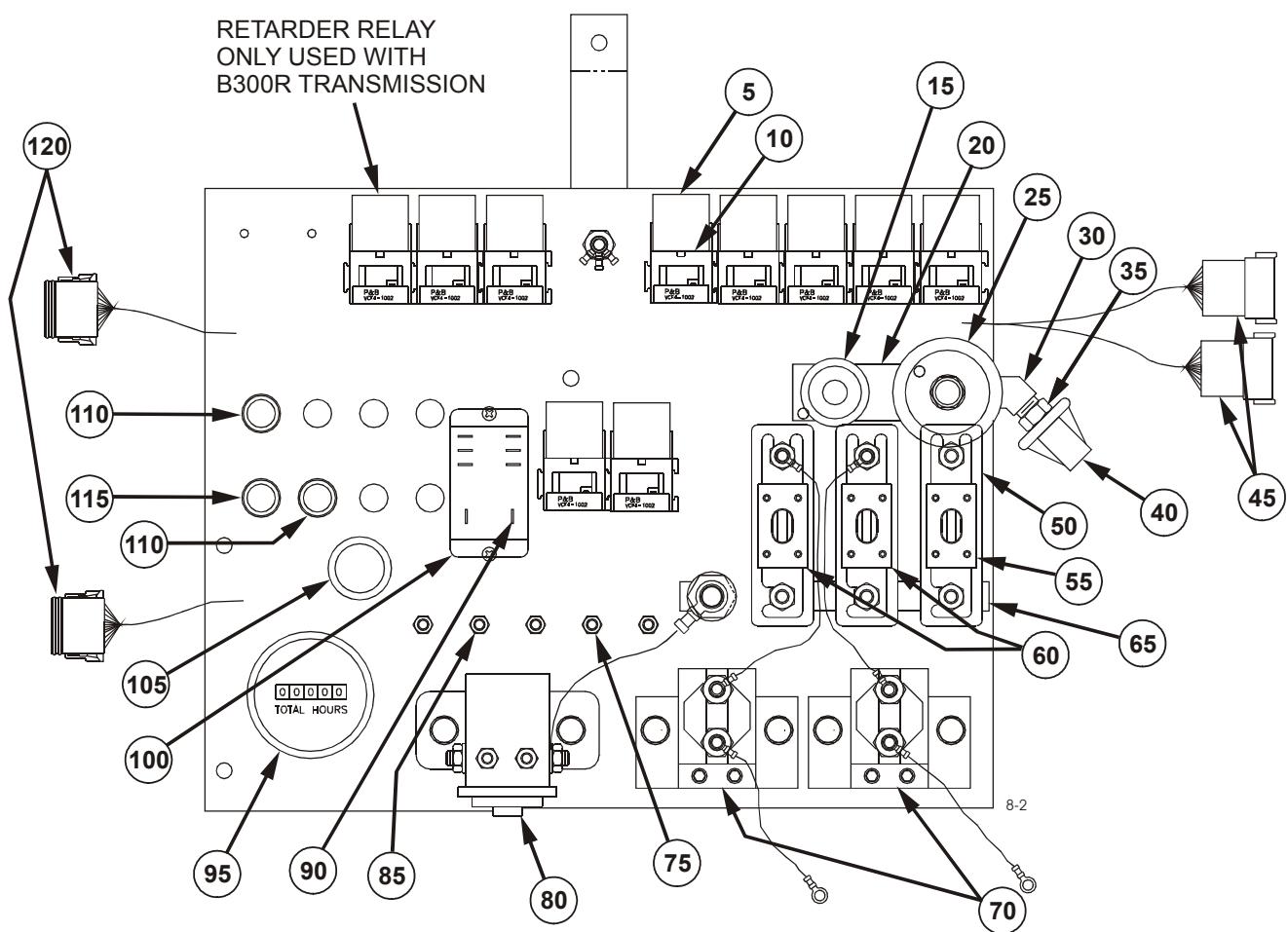
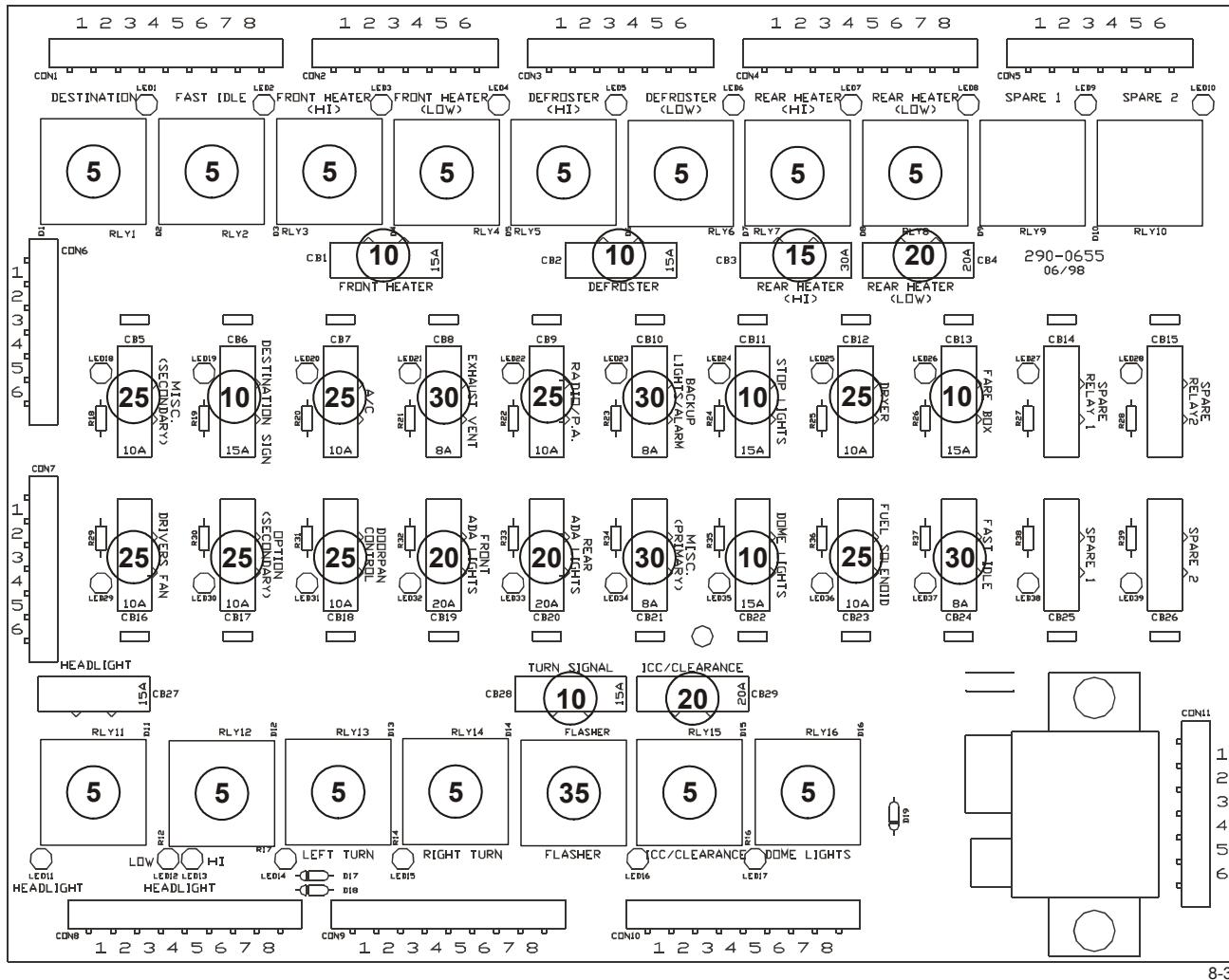


Figure 8-2. Engine Component Bracket B300/B300R

ITEM	PART NO.	DESCRIPTION	QTY
	28-7713C-001	Engine Component Bracket Assembly B300R	REF
	28-7713C-002	Engine Component Bracket Assembly B300	REF
5	25969600	Relay, 12V 40/30A	10
10	23493500	Relay Housing	10
		*** ATTACHING PARTS ***	
	61118200	Screw, 10-32 x 1/2" LG	1
		*** END OF ATTACHING PARTS ***	
15	27661500	Oil Pressure Switch	1
20	29-6024-2	Manifold Block	1
		*** ATTACHING PARTS ***	
	61116800	Screw, 10-24 x 1 3/4" LG	2
	68536800	Lockwasher	2
		*** END OF ATTACHING PARTS ***	
25	26514200	Oil Pressure Sender, 80 PSI	1
30	60253400	45° Adapter, 1/4NPT x 1/4FPT	1
35	60249200	Bushing, Reducer, 1/4NPT x 1/8NPT	2
40	27665600	Pressure Stat Switch, 6 PSI	1
45		Deutsch 12 Circuit Connector	REF
		Consisting of:	
	23496112	Housing, Pin	1
	28580512	Secondary Locking Wedge	1
	25172700	Pin, 14/16 GA (Deutsch 0460-215-16141)	AR
	21908700	Cavity Plug, White (Deutsch 114017)	AR
50	22949200	Fuse Block Limiter	3
		*** ATTACHING PARTS ***	
	61164600	Screw, 10-24 x 1" LG	2
		*** END OF ATTACHING PARTS ***	
55	22949202	Fuse Limiter, 400A	1

ITEM	PART NO.	DESCRIPTION	QTY
60	22949300	Fuse, 125A	2
65	28-7715-2	Buss Bar	1
70	25969900	Relay, Grid Heater, 120A	2
		*** ATTACHING PARTS ***	
	60700000	Screw, 1/4-20 x 1/2" LG	2
	68530200	Flatwasher, 1/4"	2
	68537000	Lockwasher, 1/4"	2
		*** END OF ATTACHING PARTS ***	
75	28-7222-2	Rectifier Assembly	1
80	21931100	Contactor, 12Vdc SPST	1
		*** ATTACHING PARTS ***	
	60700000	Screw, 1/4-20 x 1/2" LG	2
	68530200	Flatwasher, 1/4"	2
	68537000	Lockwasher, 1/4"	2
		*** END OF ATTACHING PARTS ***	
85	28-7222-1	Rectifier Assembly	2
90	28-7222-7	Rectifier Assembly	1
95	24409500	Hour Meter	1
100	25949600	Relay, Panel Mount, DPDT	1
		*** ATTACHING PARTS ***	
	61118200	Screw, 10-32 x 1/2" LG	2
	68529800	Flatwasher, #10	2
		*** END OF ATTACHING PARTS ***	
105	61406900	Bushing, Snap, 1"	1
110	22947700	Fuse, Glass, 10A, .25 x 1.25	2
115	22943100	Fuse, Glass, 5A, .25 x 1.25	
120		Deutsch 12 Circuit Connector	REF
		Consisting of:	
	23496012	Housing, Socket	1

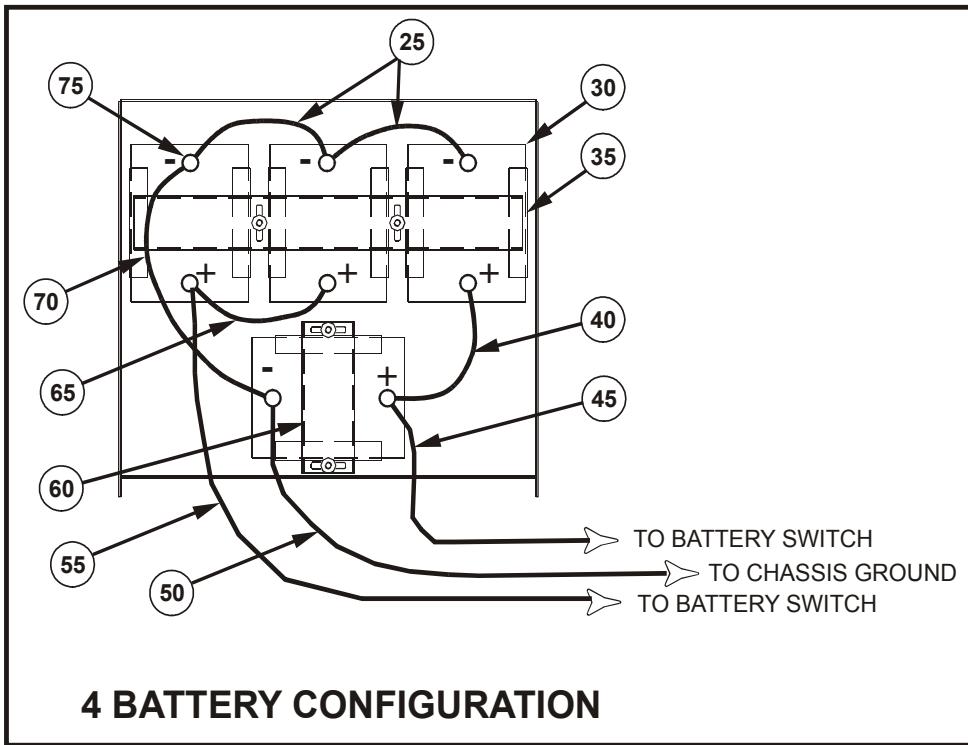
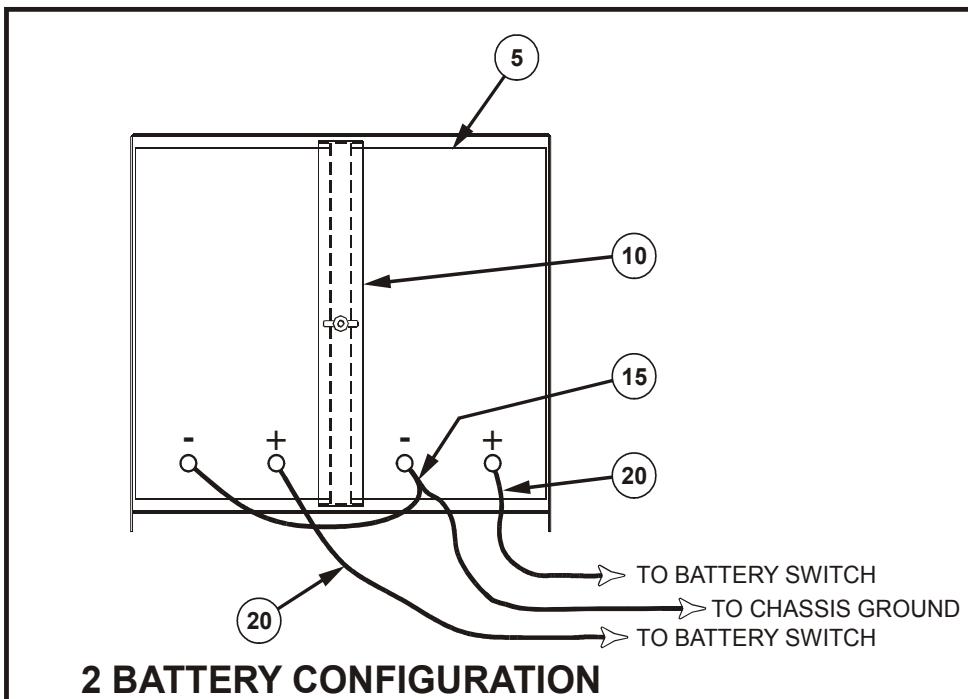
ITEM	PART NO.	DESCRIPTION	QTY
	28580412	Secondary Locking Wedge	1
	26970401	Socket, 14/16 GA (Deutsch 0462-209-16141)	AR
	21908700	Cavity Plug, White (Deutsch 114017)	AR



8-3

Figure 8-3. Junction Box

ITEM	PART NO.	DESCRIPTION	QTY
5	25949500	Relay, 40A, (TST No. 140-1000)	1
10	21595300	Circuit breaker, 15A, (Bussman 22115-000)(TST No. 131-0020)	8
15	21955500	Circuit breaker, 30A, (Bussman 22130-000)(TST No. 131-0027)	8
20	21955400	Circuit breaker, 20A, (Bussman 22120-000)(TST No. 131-0379)	4
25	21955200	Circuit breaker, 10A, (Bussman 22110-000)(TST No. 131-0018)	8
30	21955100	Circuit breaker, 8A, (Bussman 22108-000)(TST No. 131-0073)	4
35	22777400	Flasher, 3 Terminal, (TST No. 150-0850)	1



8-4

Figure 8-4. Battery Installation

ITEM	PART NO.	DESCRIPTION	QTY
	28-0985	2 Battery Option	REF
	28-0976	4 Battery Option	REF
5		Battery, 12V, 1150 CCA (Min), Group 8D - LOCAL PROCUREMENT	2
10	05-3084-2	Battery Hold Down	1
		*** ATTACHING PARTS ***	
	64807500	Wing Nut, 3/8-16, SS	1
	68530900	Flatwasher, 3/8, SS	1
	05-3084-6	Threaded Rod	1
	68530900	Flatwasher, 3/8, SS	1
	64807600	Nut, 3/8-16, SS	1
		*** END OF ATTACHING PARTS ***	
15	28-7129-1	Battery Cable, Black	1
20	28-7128-2	Battery Cable, Red	2
25	25-7132-7	Battery Cable, Black	
30		Battery, 12V, 700 CCA (Min), Group 31 - LOCAL PROCUREMENT	4
35	25-3086-1	3 Battery Hold Down	1
		*** ATTACHING PARTS ***	
	64807500	Wing Nut, 3/8-16, SS	2
	68530900	Flatwasher, 3/8, SS	2
	05-3084-6	Threaded Rod, SS	2
	68530900	Flatwasher, 3/8, SS	2
	64807600	Nut, 3/8-16, SS	2
		*** END OF ATTACHING PARTS ***	
40	25-7132-1	Battery Cable, Red	1
45	25-7132-8	Battery Cable, Red	1
50	25-7132-10	Battery Cable, Black	1
55	25-7132-9	Battery Cable, Red	1
60	25-3086-2	1 Battery Hold Down	1

ITEM	PART NO.	DESCRIPTION	QTY
		*** ATTACHING PARTS ***	
	64807500	Wing Nut, 3/8-16, SS	2
	68530900	Flatwasher, 3/8, SS	2
	05-3084-6	Threaded Rod, SS	2
	68530900	Flatwasher, 3/8, SS	2
	64807600	Nut, 3/8-16, SS	2
		*** END OF ATTACHING PARTS ***	
65	25-7132-2	Battery Cable, Red	1
70	25-7132-3	Battery Cable, Black	1
75	64807600	Nut, 3/8-16, SS	8
	68530900	Flatwasher, 3/8, SS	8

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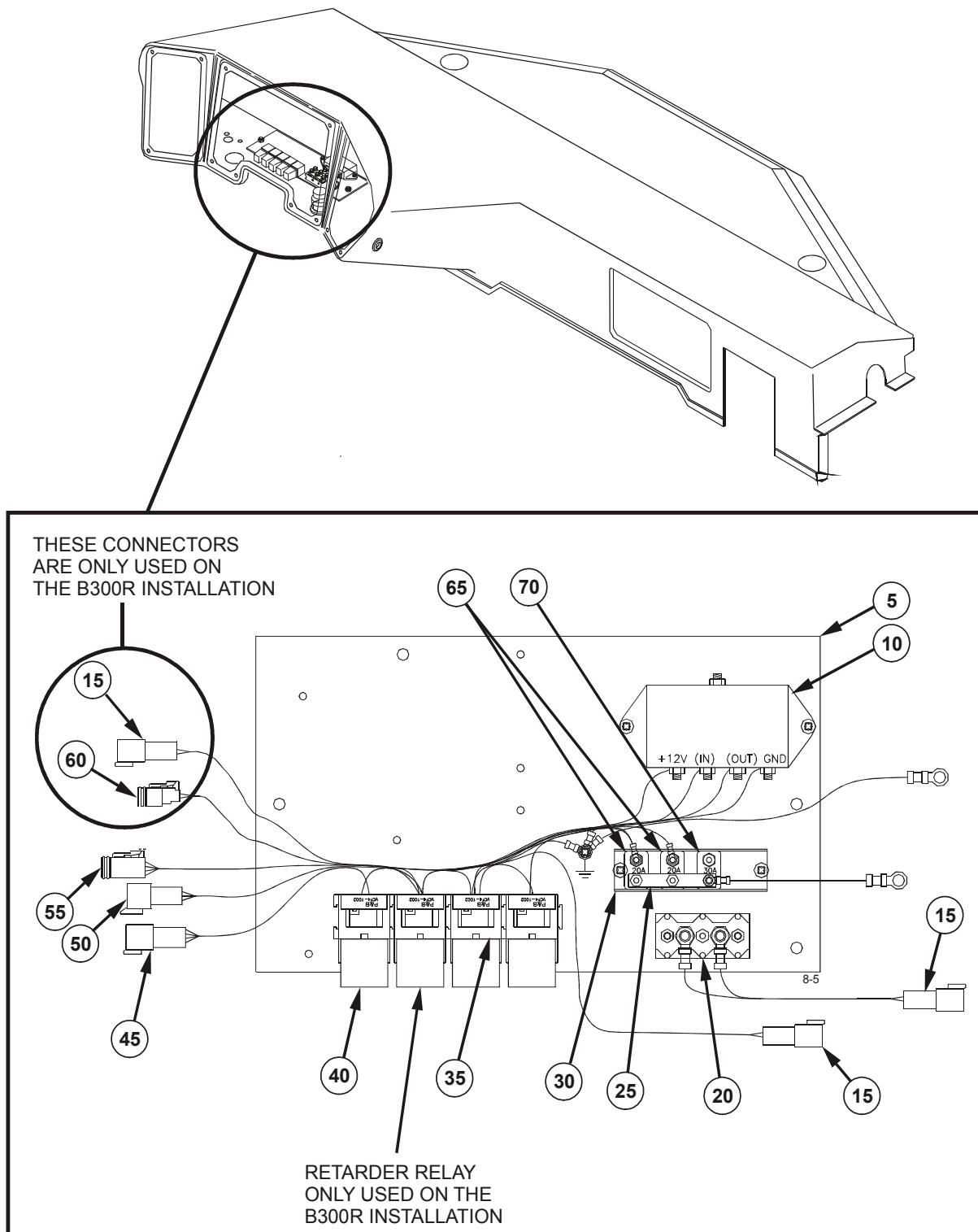


Figure 8-5. Dash Component Bracket B300 / B300R

ITEM	PART NO.	DESCRIPTION	QTY
	28-1248C	Dash Assembly	REF
5	28-7710B001	Dash Component Bracket Assembly, B300R Installation	REF
	28-7710B002	Dash Component Bracket Assembly, B300 Installation	REF
		*** ATTACHING PARTS ***	
	61142400	Screw, 10-24 x 3/4" LG	2
	64792600	Nut, 10-24	2
		*** END OF ATTACHING PARTS ***	
10	24442000	Low Coolant Module, 12/24Vdc	1
		*** ATTACHING PARTS ***	
	61118000	Screw, 10-32 x 3/8" LG	2
		*** END OF ATTACHING PARTS ***	
15		Deutsch 2 Circuit Connector, Pin	REF
		Consisting of:	
	23496102	Pin Housing, 2 Circuit (Deutsch DT04-2P)	1
	25172700	Pin, 14/16 GA (Deutsch 0460-215-16141)	AR
	21908700	Cavity Plug, White (Deutsch 114017)	AR
	28580502	Secondary Locking Wedge (Deutsch W2P)	AR
20	21203100	Terminal Block, 2 Position	1
		*** ATTACHING PARTS ***	
	61113800	Screw, 6-32 x 1/2" LG	2
		*** END OF ATTACHING PARTS ***	
25	01-7312-002	Buss Bar, Circuit Breaker, 3 Hole	1
30	20904001	Bracket, Circuit Breaker, 4 Station	1
		*** ATTACHING PARTS ***	
	61118000	Screw, 10-32 x 3/8" LG	2
		*** END OF ATTACHING PARTS ***	
35	23493500	Relay Socket	4
		*** ATTACHING PARTS ***	

ITEM	PART NO.	DESCRIPTION	QTY
	61118000	Screw, 10-32 x 3/8" LG	1
		*** END OF ATTACHING PARTS ***	
40	25969600	Relay, 12V, 40/30A	4
45		Deutsch 4 Circuit Connector, Pin	REF
		Consisting of:	
	23496104	Pin Housing, 4 Circuit (Deutsch DT04-4P)	1
	25172700	Pin, 14/16 GA (Deutsch 0460-215-16141)	AR
	28580504	Secondary Locking Wedge (Deutsch W4P)	1
50		Deutsch 3 Circuit Connector, Pin	REF
		Consisting of:	
	23496103	Pin Housing, 4 Circuit (Deutsch DT04-3P)	1
	25172700	Pin, 14/16 GA (Deutsch 0460-215-16141)	AR
	28580503	Secondary Locking Wedge (Deutsch W3P)	1
55		Deutsch 4 Circuit Connector, Socket	REF
		Consisting of:	
	23496004	Socket Housing, 4 Circuit (Deutsch DT06-4S)	1
	26970401	Socket, 14/16 GA (Deutsch 0462-209-16141)	AR
	28580404	Secondary Locking Wedge, 4 Socket (Deutsch W4S)	1
	21908700	Cavity Plug, White (Deutsch 114017)	AR
60		Deutsch 2 Circuit Connector, Socket	REF
		Consisting of:	
	23496002	Socket Housing, 2 Circuit (Deutsch DT06-2S)	1
	26970401	Socket, 14/16 GA (Deutsch 0462-209-16141)	AR
	28580402	Secondary Locking Wedge, 2 Socket (Deutsch W2S)	1
	21908700	Cavity Plug, White (Deutsch 114017)	AR
65	21608600	Circuit Breaker, 20A	2
70	21608700	Circuit Breaker, 30A	1

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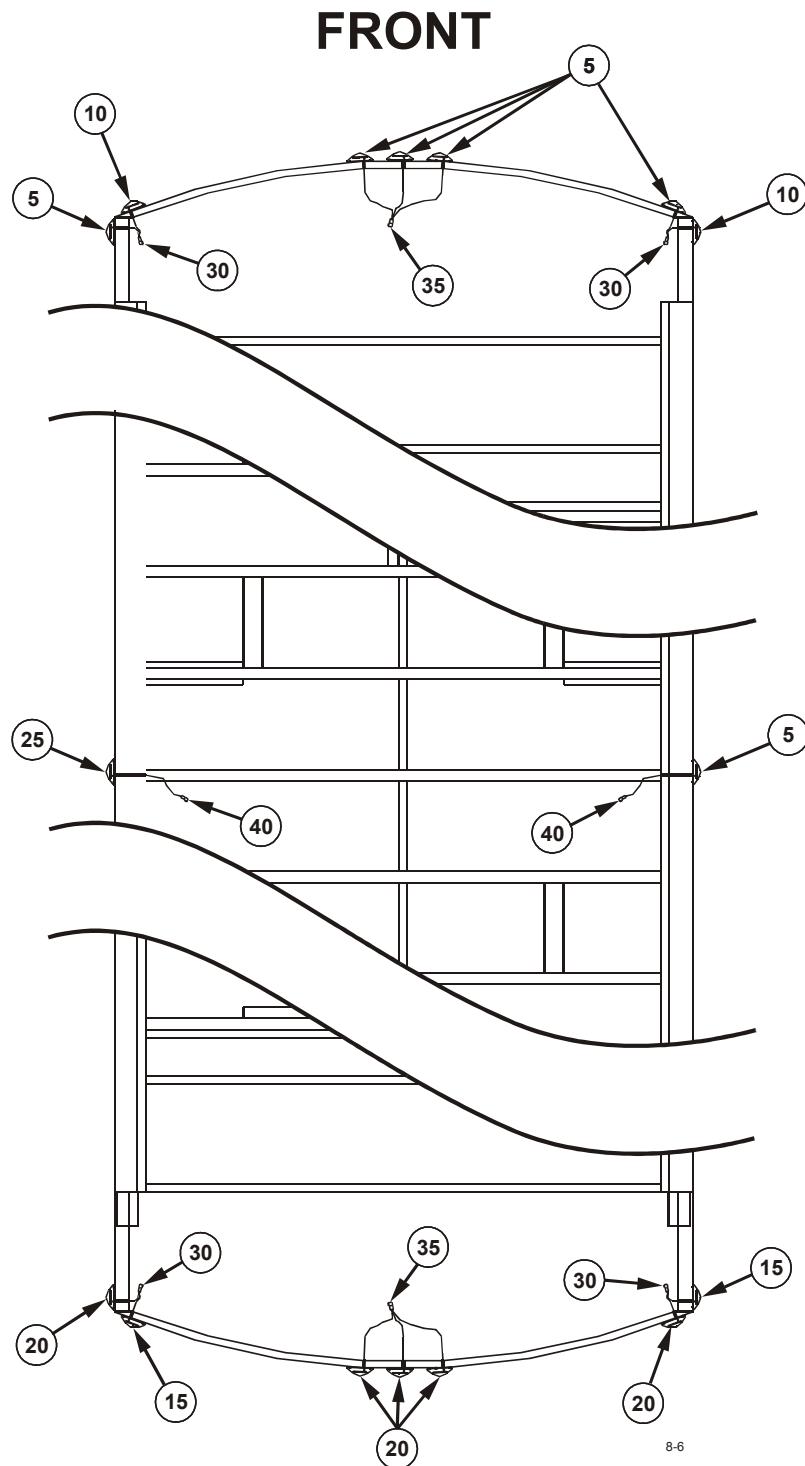


Figure 8-6. Clearance Light Installation

ITEM	PART NO.	DESCRIPTION	QTY
5	28-7900A	Incandescent Light Installation	REF
	28-7900-41	Front Clearance Light Assembly	6
		*** ATTACHING PARTS ***	
	68981600	Screw, 10-32 x 1/2" LG, Type F	2
	68541600	Internal Lock Washer, #10	2
		*** END OF ATTACHING PARTS ***	
10	28-7900-7	Front Clearance Light Assembly	2
		*** ATTACHING PARTS ***	
	68981600	Screw, 10-32 x 1/2" LG, Type F	2
	68541600	Internal Lock Washer, #10	2
		*** END OF ATTACHING PARTS ***	
15	28-7900-42	Rear Clearance Light Assembly	2
		*** ATTACHING PARTS ***	
	68981600	Screw, 10-32 x 1/2" LG, Type F	2
	68541600	Internal Lock Washer, #10	2
		*** END OF ATTACHING PARTS ***	
20	28-7900-6	Rear Clearance Light Assembly	5
		*** ATTACHING PARTS ***	
	68981600	Screw, 10-32 x 1/2" LG, Type F	2
	68541600	Internal Lock Washer, #10	2
		*** END OF ATTACHING PARTS ***	
25	28-7900-11	Side Clearance Light	1
		*** ATTACHING PARTS ***	
	68981600	Screw, 10-32 x 1/2" LG, Type F	2
	68541600	Internal Lock Washer, #10	2
		*** END OF ATTACHING PARTS ***	
30	23496104	Pin Housing, 4 Circuit (Deutsch DT04-4P)	4
	28580504	Secondary Locking Wedge (Deutsch W4P)	4

ITEM	PART NO.	DESCRIPTION	QTY
35	25172700	Pin, 14-16 GA (Deutsch 0460-215-16141)	AR
	23496106	Pin Housing, 6 Circuit (Deutsch DT04-6P)	2
	28580506	Secondary Locking Wedge (Deutsch W6P)	2
40	25172700	Pin, 14-16 GA (Deutsch 0460-215-16141)	AR
	23496102	Pin Housing, 2 Circuit (Deutsch DT04-2P)	2
	28580502	Secondary Locking Wedge (Deutsch W2P)	2
	25172700	Pin, 14-16 GA (Deutsch 0460-215-16141)	AR

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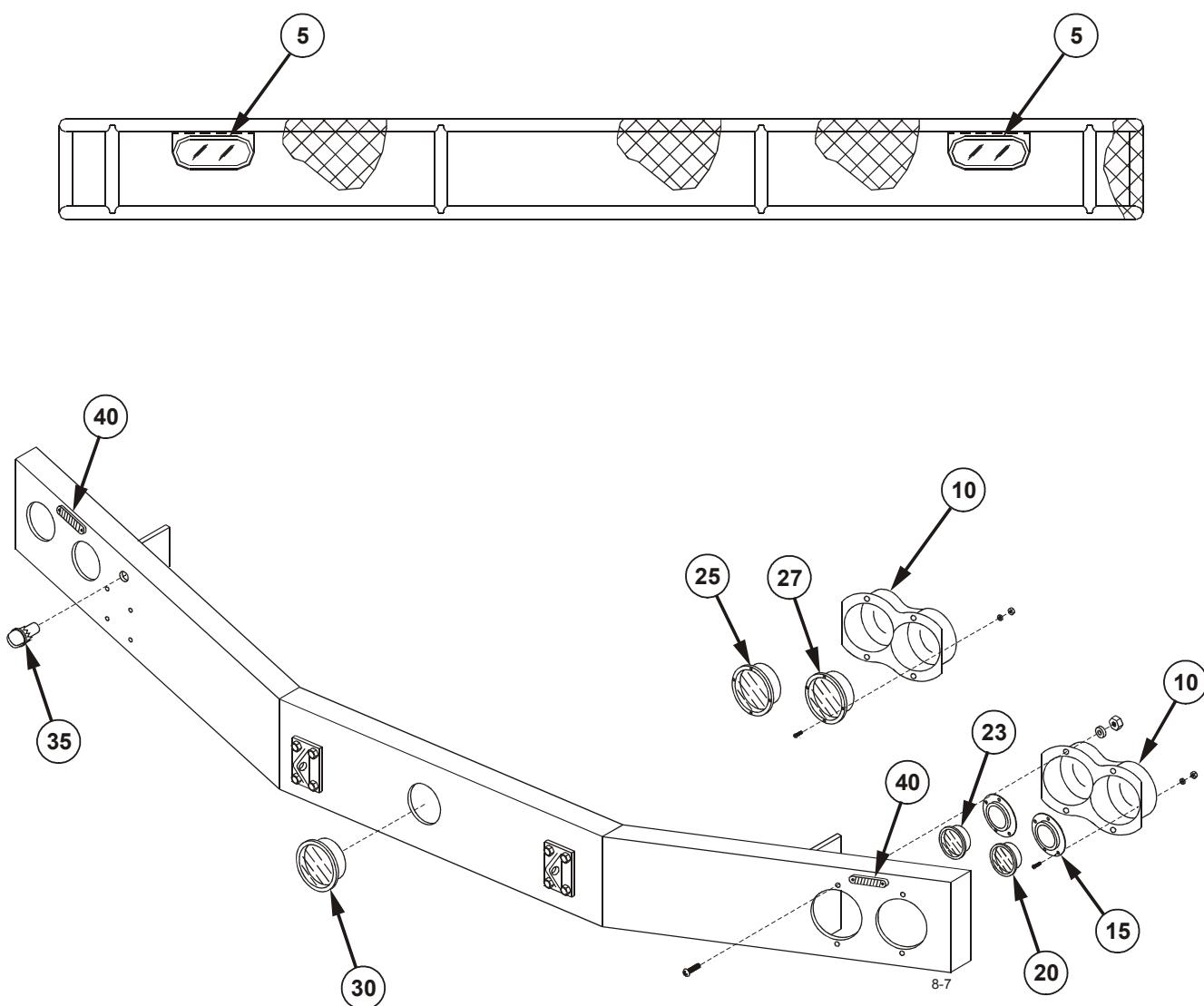


Figure 8-7. Parking, Turn Signal, and License Plate Lamps

ITEM	PART NO.	DESCRIPTION	QTY
	28-4030-001	Rear Bumper Assembly 4" Incandescent Lights	REF
	28-4030-002	Rear Bumper Assembly 4" L.E.D. Lights	REF
	28-4030-003	Rear Bumper Assembly 7" L.E.D. Lights	REF
	28-4030-004	Rear Bumper Assembly 7" L.E.D. Lights W/L.E.D. Back-Up Light	REF
5	28-7900A	Incandescent Light Bumper Installation	REF
5	28-7900-4	Park/Turn Light Assembly	2
10	28-7905-001	Taillight Offset Wedge	2
		*** ATTACHING PARTS ***	
	61116100	Screw, 10-24 x 3/4" LG	4
	68529800	Flatwasher, 3/16"	4
	64780500	Locknut, 10-24	4
		*** END OF ATTACHING PARTS ***	
15	28-7905-005	Taillight Riser, 4"	4
20	28-4031-001	Light Assembly, Turn, 4" Round, Amber, Incandescent	2
	24091702	Grommet, 4"	2
23	28-4031-002	Light Assembly, Tail/Stop, 4" Round, Red, Incandescent	2
	24091702	Grommet, 4"	2
25	28-7915-004	Light Assembly, Tail/Stop, 7" Round, Red, L.E.D.	2
27	28-7915-003	Light Assembly, Turn, 7" Round, Amber, L.E.D.	2
30	28-4031-007	Light Assembly, Back-Up, 4", Clear, Incandescent, 12V	1
	24091702	Grommet, 4"	1
35	28-7900-003	Tag Light Assembly	1
40	25906001	Reflector, Red, 1 7/8 x 4 3/8	2
		*** ATTACHING PARTS ***	
	6116100	Screw, 10-24 x 3/4", SS	2
	68529800	Flatwasher, 3/16"	2
	64780500	Locknut, 10-24	2
		*** END OF ATTACHING PARTS ***	

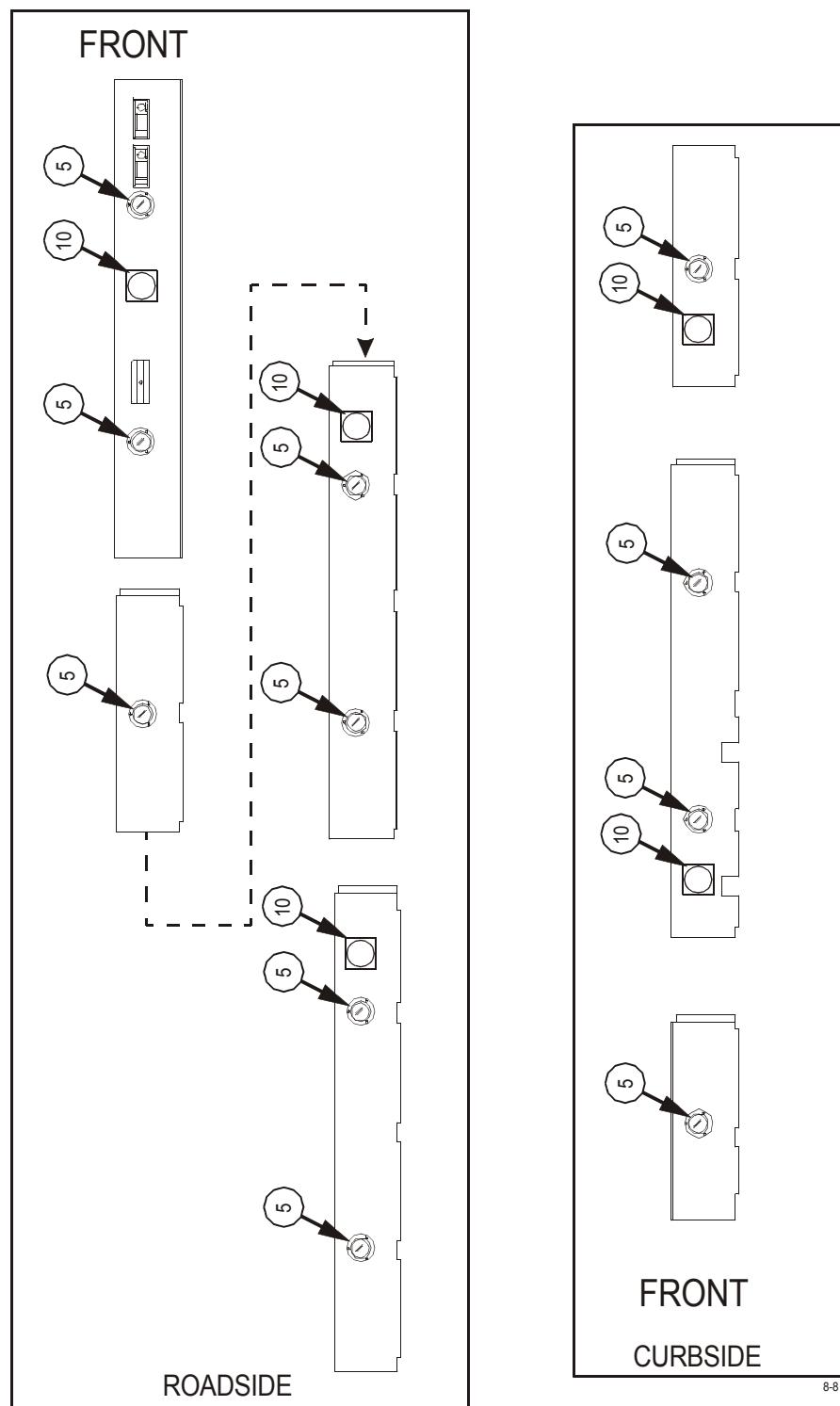


Figure 8-8. Interior Lights and Speakers

ITEM	PART NO.	DESCRIPTION	QTY
5	28-1417A	Tray Trim Assemblies	REF
	28-7900-2	Dome Light Assembly	11
		*** ATTACHING PARTS ***	
	61115200	Screw, 8-32 x 1/2" LG	3
	68529000	Flatwasher, #8	3
	64780400	Locknut, 8-32	3
		*** END OF ATTACHING PARTS ***	
10	27030900	Speaker, 4"	5
		*** ATTACHING PARTS ***	
	27030901	Speaker Grille	1
	66407400	Screw, #8 x 5/8" LG	4
	64829200	Nut Clip, 8-32	4
		*** END OF ATTACHING PARTS ***	

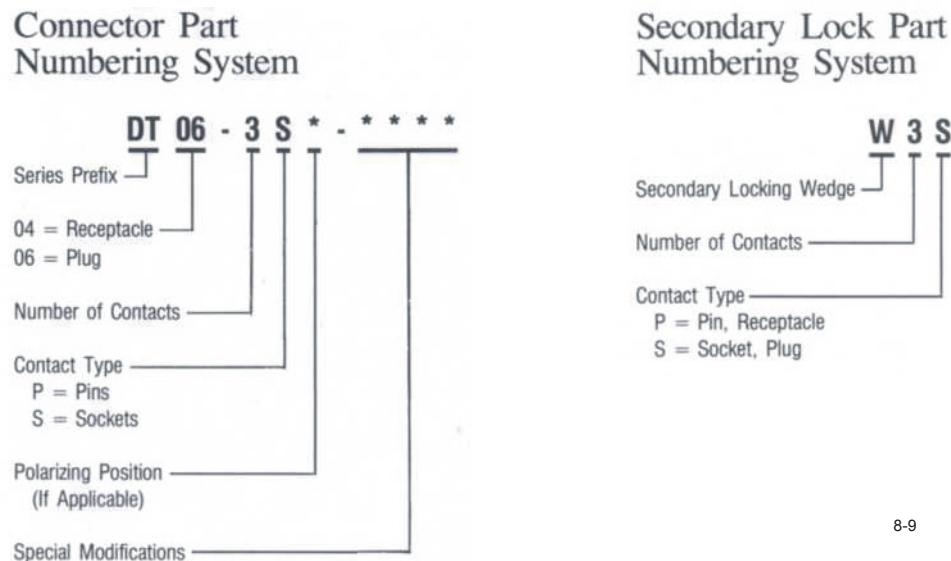


Figure 8-9. Deutsch Connector Parts

ITEM	OPTIMA PN	DEUTSCH PN	DESCRIPTION	QTY
<b>PIN HOUSING / WEDGE</b>				
	23496102	DT04-2P	2-Circuit Pin Housing	
	23496103	DT04-3P	3-Circuit Pin Housing	
	23496104	DT04-4P	4-Circuit Pin Housing	
	23496106	DT04-6P	6-Circuit Pin Housing	
	23496108	DT04-8P	8-Circuit Pin Housing	
	23496112	DT04-12P	12-Circuit Pin Housing	
	28580502	W2P	2-Circuit Secondary Locking Wedge	
	28580503	W3P	3-Circuit Secondary Locking Wedge	
	28580504	W4P	4-Circuit Secondary Locking Wedge	
	28580506	W6P	6-Circuit Secondary Locking Wedge	
	28580508	W8P	8-Circuit Secondary Locking Wedge	
	28580512	W12P	12-Circuit Secondary Locking Wedge	

ITEM	OPTIMA PN	DEUTSCH PN	DESCRIPTION	QTY
<b>SOCKET HOUSING / WEDGE</b>				
	23496002	DT06-2S	2-Circuit Socket Housing	
	23496003	DT06-3S	3-Circuit Socket Housing	
	23496004	DT06-4S	4-Circuit Socket Housing	
	23496006	DT06-6S	6-Circuit Socket Housing	
	23496008	DT06-8S	8-Circuit Socket Housing	
	23496012	DT06-12S	12-Circuit Socket Housing	
	28580402	W2S	2-Circuit Secondary Locking Wedge	
	28580403	W3S	3-Circuit Secondary Locking Wedge	
	28580404	W4S	4-Circuit Secondary Locking Wedge	
	28580406	W6S	6-Circuit Secondary Locking Wedge	
	28580408	W8S	8-Circuit Secondary Locking Wedge	
	28580412	W12S	12-Circuit Secondary Locking Wedge	
<b>CONTACTS</b>				
	25172600	0460-204-12141	Pin, 10-12 GA	
	25172700	0460-215-16141	Pin, 14-16 GA	
	25172200	0460-202-1631	Pin, 16-18 AWG Gold	
	26970300	0462-203-12141	Socket, 10-12 GA	
	26970401	0462-209-16141	Socket, 14-16 GA	
	26970402	0462-201-20141	Socket, 20-24 GA	
	26968200	0462-201-2031	Socket, 16-18 AWG Gold	

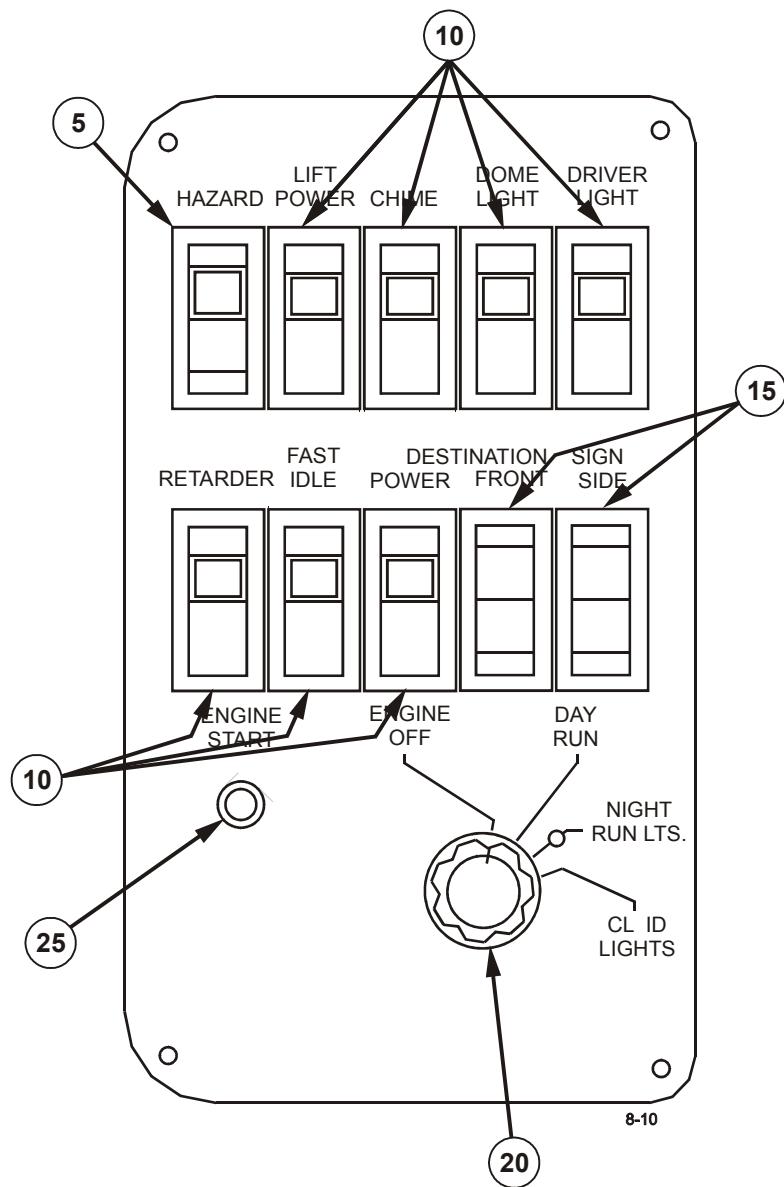


Figure 8-10. Left Instrument Panel

ITEM	PART NO.	DESCRIPTION	QTY
5	P960091	Switch, Rocker, Flasher	1
10	27661201	Switch, W / Indicator Light	7
15	27682500	Switch	2
20	27671000	Switch	1
	340-1205	Knob, Rotary, 1/4" Shaft	1
25	070-1700	Switch	1
NS	27661202	Plug, Switch	AR

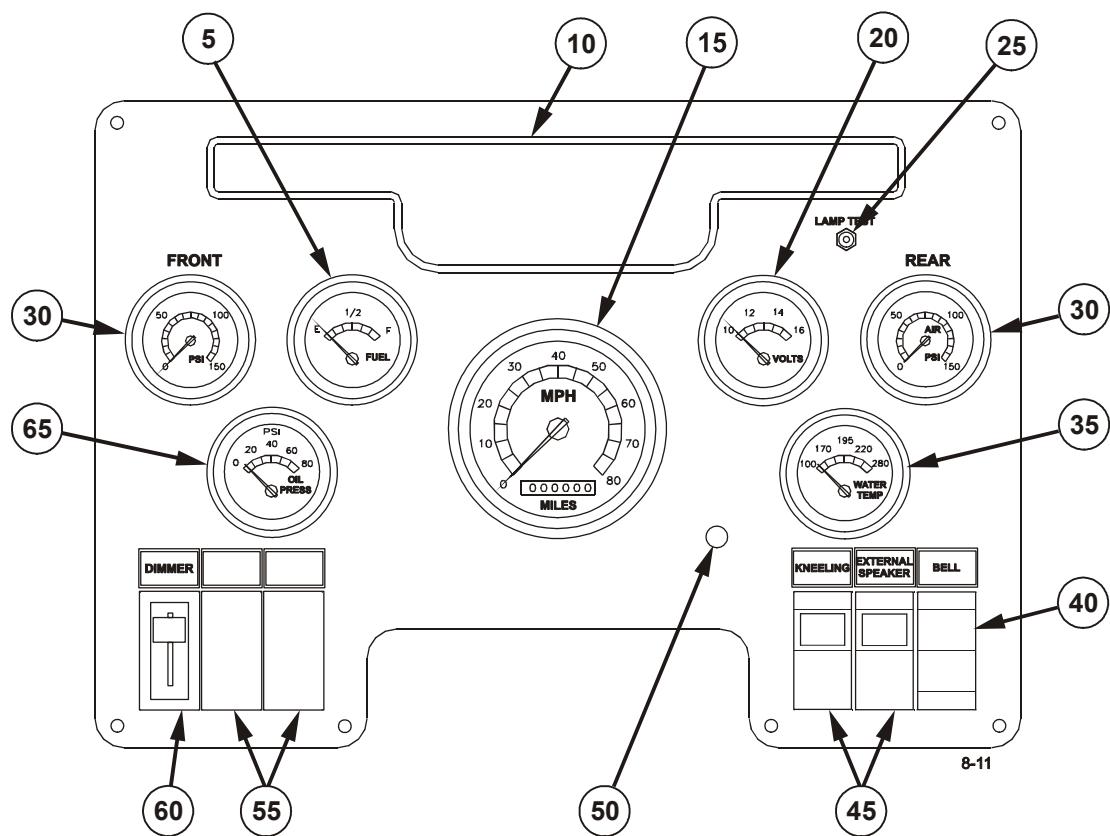


Figure 8-11. Center Instrument Panel

ITEM	PART NO.	DESCRIPTION	QTY
5	27079503	Gauge, Fuel, Electronic	1
10	P960218	Indicator Light Module Consisting of:	1
	P97041	Overlay	1
	P97053	Buzzer Board	1
	P99000	Light Socket	AR
15	27079900	Speedometer, B300/B300R	1
20	27079506	Gauge, Voltmeter	1
25	070-1700	Switch, Lamp Test	1
30	27079501	Gauge, Air Pressure	2
35	27079507	Gauge, Water Temperature	1
40	P960258	Switch, Bell	1
45	P960090	Switch, Rocker, HI / Low	2
50	26969000	Socket, Post Light	1
	21224800	Cap, Post Light	1
	24096600	Bulb, Post Light	1
55	27661202	Plug, Switch	AR
60	P960092	Switch, Dimmer, Slide	1
65	27079505	Gauge, Oil Pressure	1

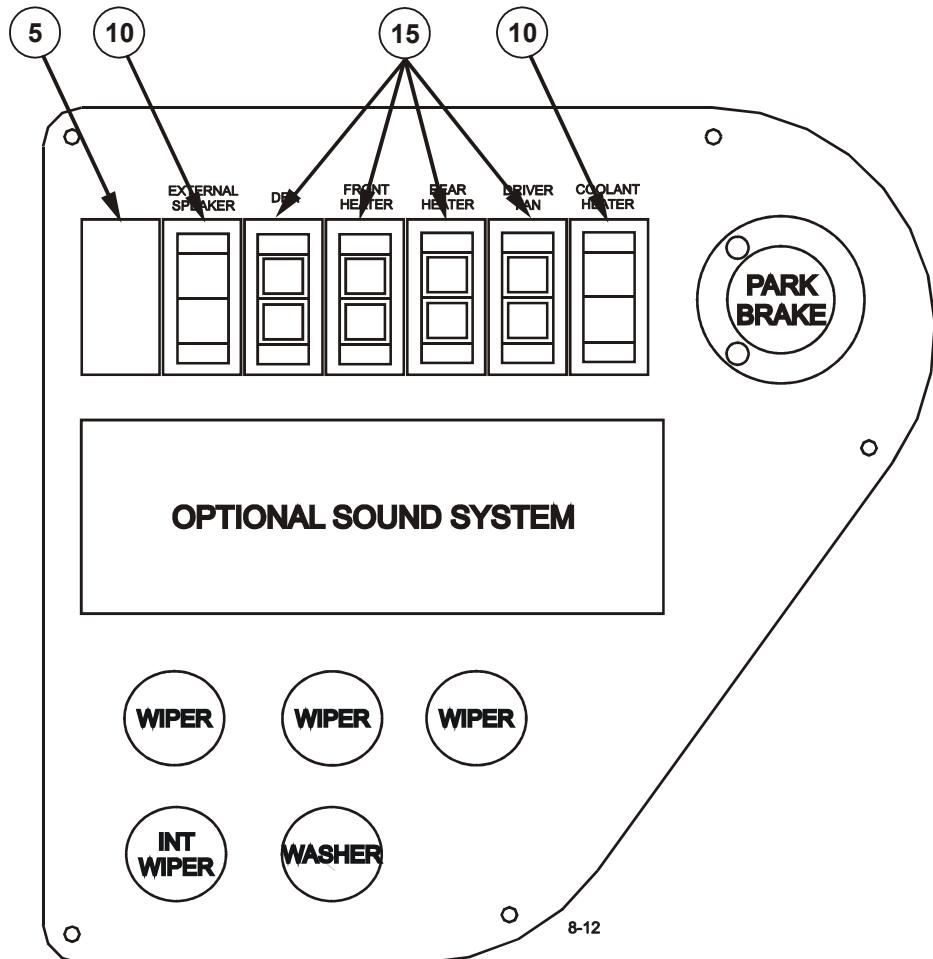
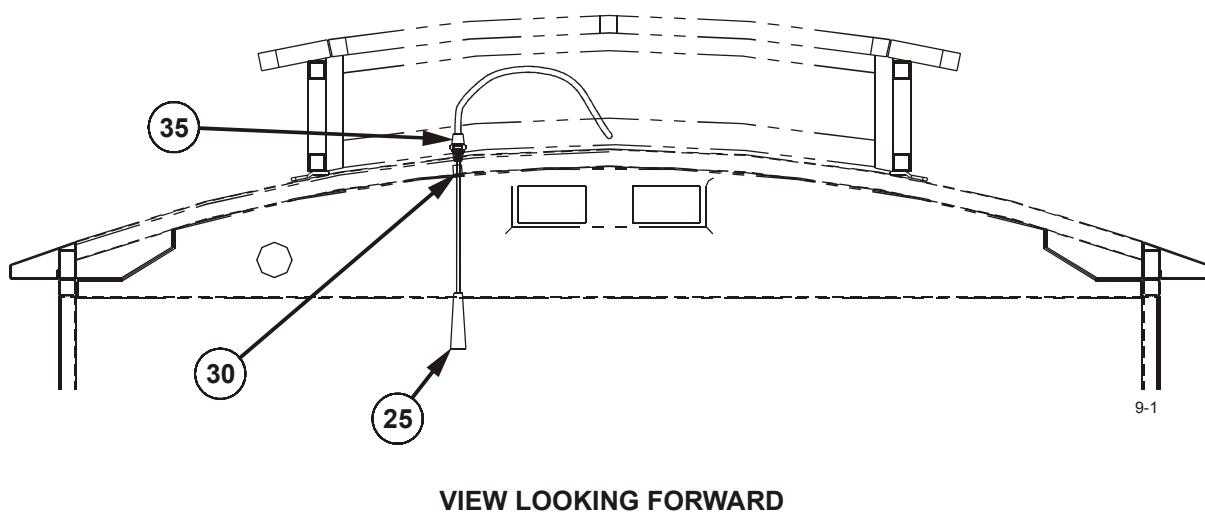
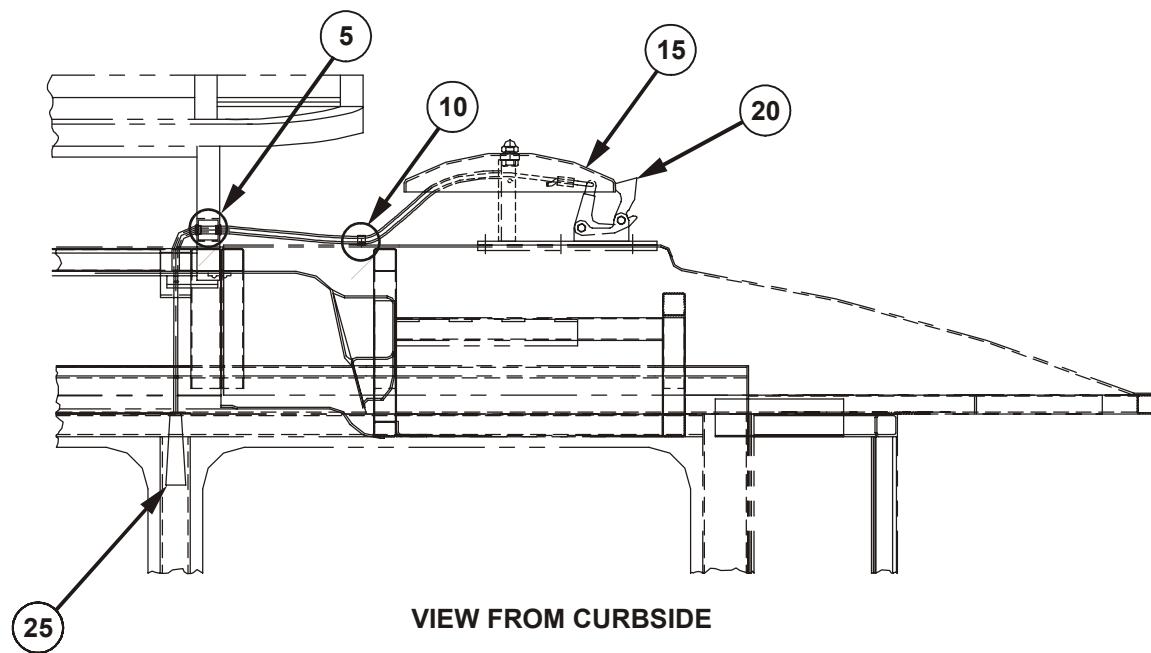


Figure 8-12. Right Instrument Panel

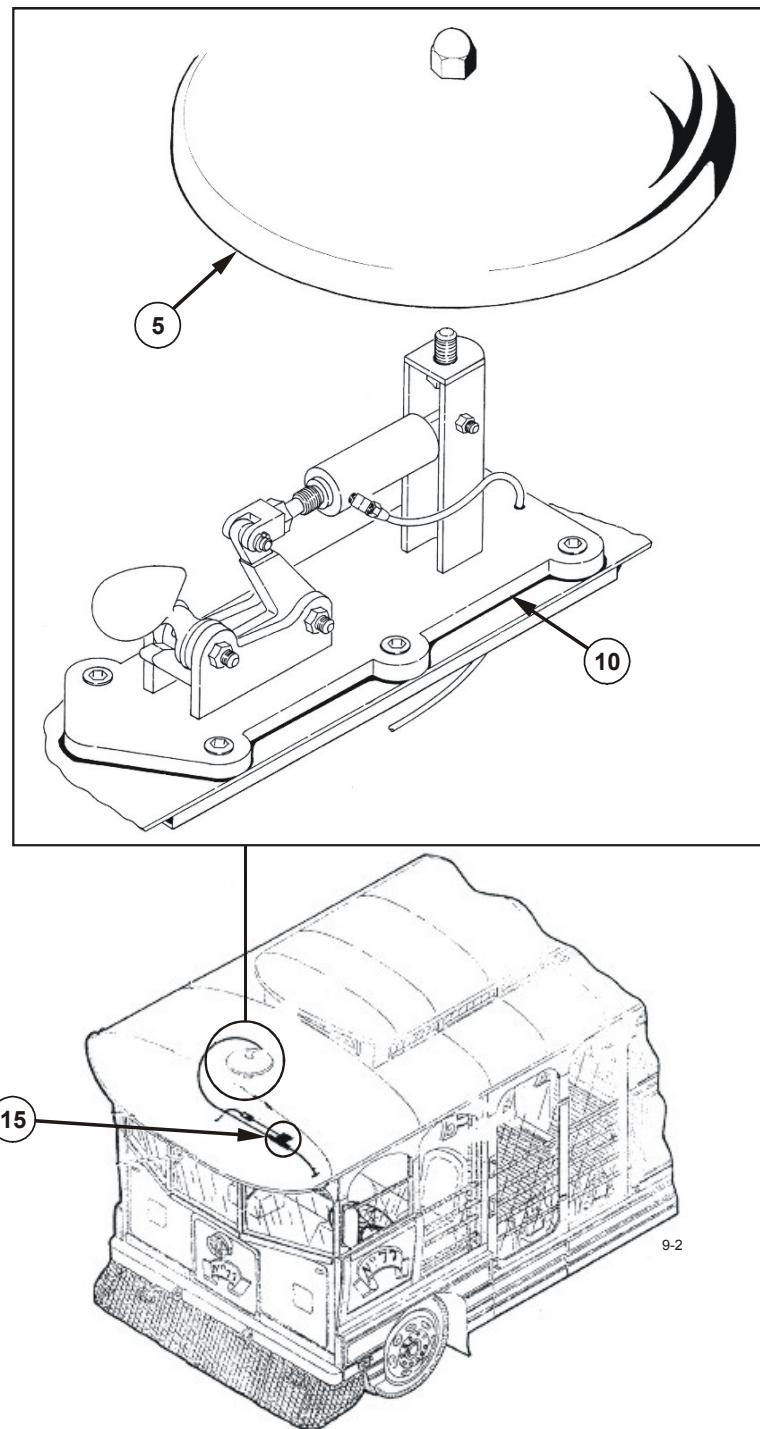
ITEM	PART NO.	DESCRIPTION	QTY
5	27661202	Plug, Switch	AR
10	P960258	Switch	2
15	P960090	Switch, Rocker	4

.Figure 9-1	Bell Installation, Manual . . . . .	9-2
Figure 9-2	Bell Installation, Electric . . . . .	9-4
Figure 9-3	Bell Gong Assembly . . . . .	9-6
Figure 9-4	Bumper Installation, Front and Rear . . . . .	9-8
Figure 9-5	External Mirror Installation . . . . .	9-10
Figure 9-6	Cow Catcher Installation . . . . .	9-12
Figure 9-7	Grille Panel Assembly . . . . .	9-14
Figure 9-9	Grille Panel Installation . . . . .	9-20
Figure 9-10	Cupola Installation and Windows . . . . .	9-22
Figure 9-11	Window Installation, Full Sliders . . . . .	9-24
Figure 9-12	Window Installation . . . . .	9-28
Figure 9-13	Interior and Exterior Window Fillers . . . . .	9-32
Figure 9-14	Center Headlight Assembly . . . . .	9-34
Figure 9-15	Front and Rear Mud Flap Installation . . . . .	9-36
Figure 9-16	Windshield Wiper Installation . . . . .	9-38
Figure 9-17	Windshield Wiper Motor and Controls . . . . .	9-40
Figure 9-18	Front Wheel Well Forward Deflectors . . . . .	9-42
Figure 9-19	Decal Installation . . . . .	9-44
Figure 9-20	Junction Box Door . . . . .	9-46
Figure 9-21	Upper Exterior Skin Installation . . . . .	9-48
Figure 9-22	Drip Cap Installation . . . . .	9-50
Figure 9-23	Front and Rear Wall Trim . . . . .	9-52
Figure 9-24	Roadside And Curbside Trim . . . . .	9-56
Figure 9-25	Skirt Installation (w/Wood Trim) . . . . .	9-60
Figure 9-26	Front Skirt Assembly, Incandescent and LED Lights, Roadside . . . . .	9-62
Figure 9-27	Battery Skirt Assembly . . . . .	9-66
Figure 9-28	Forward Skirt Assembly . . . . .	9-70
Figure 9-29	Rear Skirt Assembly . . . . .	9-74
Figure 9-30	Front Skirt Assembly, Curbside . . . . .	9-78
Figure 9-31	Fuel Skirt Assembly . . . . .	9-82
Figure 9-32	Forward of Aft Door Skirt Assembly . . . . .	9-86
Figure 9-33	Rear Skirt Assembly, Curbside . . . . .	9-88
Figure 9-34	Skirt Installation, Non-Wood . . . . .	9-90
Figure 9-35	Front Skirt Assembly, Incandescent and LED Lights, Roadside . . . . .	9-92
Figure 9-36	Battery Skirt Assembly . . . . .	9-96
Figure 9-37	Forward Skirt Assembly . . . . .	9-98
Figure 9-38	Rear Skirt Assembly . . . . .	9-100
Figure 9-39	Front Skirt Assembly, Incandescent and LED Lights, Curbside . . . . .	9-102
Figure 9-40	Fuel Skirt Assembly . . . . .	9-106
Figure 9-41	Forward of Aft Door Skirt Assembly . . . . .	9-110
Figure 9-42	Rear Skirt Assembly, Curbside . . . . .	9-112

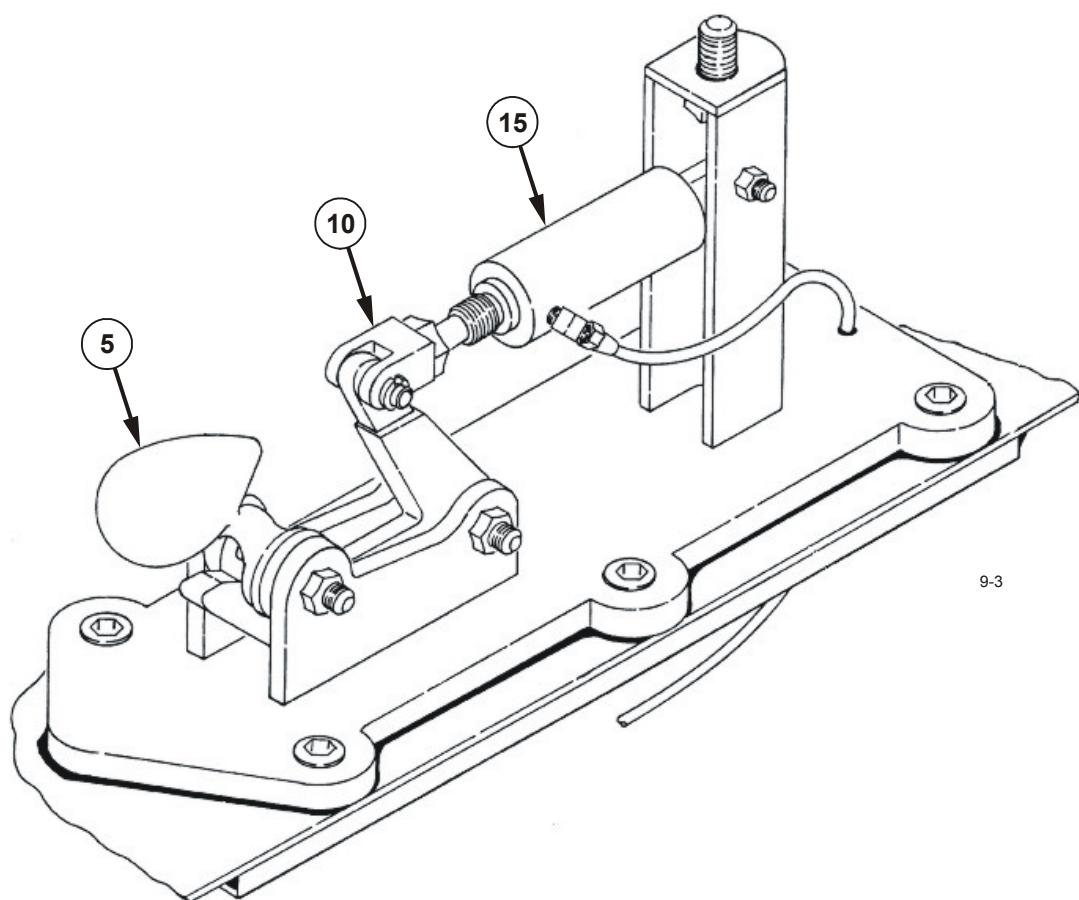


**Figure 9-1. Bell Installation, Manual**

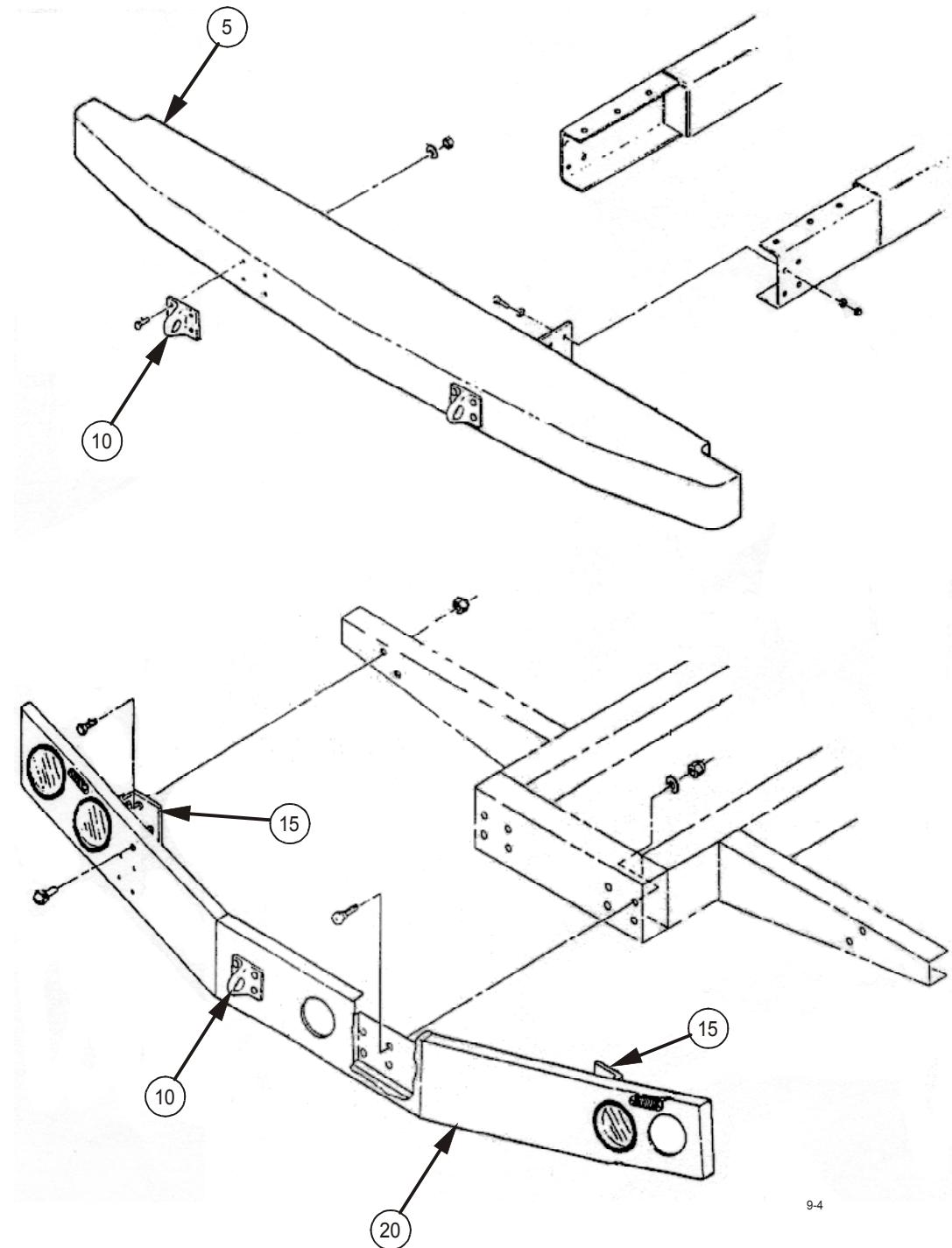
ITEM	PART NO.	DESCRIPTION	QTY
	28-1009A	Manual Bell Installation	REF
5	61400800	Snap Bushing, 5/8", 1/2" ID	2
10	61600600	P Clamp, 1/2" ID	1
		*** ATTACHING PARTS ***	
	66408200	Screw, #10 x 3/4	1
	68529800	Flatwasher, #10	1
		*** END OF ATTACHING PARTS ***	
15	11-1011-3	Bell, Cast Brass	1
		*** ATTACHING PARTS ***	
	64796700	Acorn Nut, 5/8-11	1
		*** END OF ATTACHING PARTS ***	
20	28-1010A-1	Bell Assembly	1
		*** ATTACHING PARTS ***	
	61111700	Screw, 1/4-20 x 1 1/2	6
		*** END OF ATTACHING PARTS ***	
25	11-1437-14	Bell Rope Handle	1
30	21014000	Bronze Bushing, 1/2" x 3/4" x 1/2"	1
35	60147200	Male Connector, 3/8 MPT : 1/2 Tube	1

**Figure 9-2. Bell Installation, Electric**

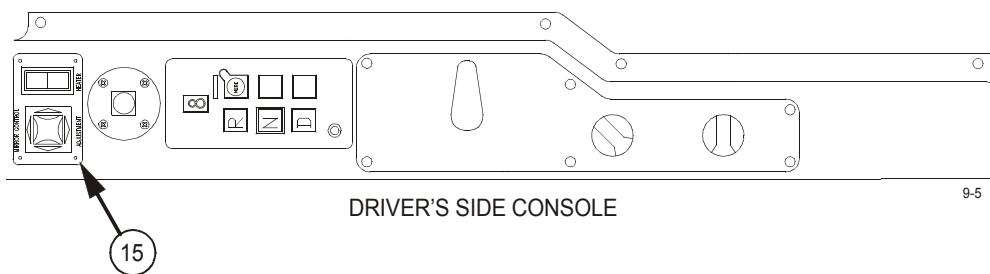
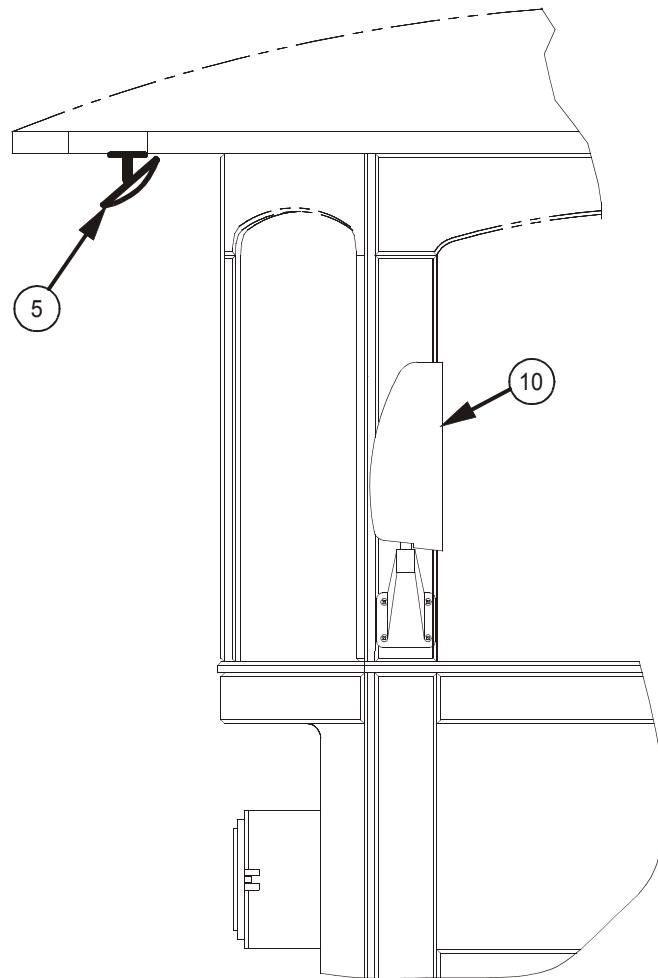
ITEM	PART NO.	DESCRIPTION	QTY
5	28-1009 11-1011-3	Bell Installation Bell *** ATTACHING PARTS ***	REF 1
	6-47967	Acorn Nut, 5/8-11, Brass	1
		*** END OF ATTACHING PARTS ***	
10	28-1010-1	Bell Gong Assembly (See <a href="#">Figure 9-3</a> for BKDN)	1
15	28-7722-1	Mag Valve Assembly	1

**Figure 9-3.** Bell Gong Assembly

ITEM	PART NO.	DESCRIPTION	QTY
5	28-1010 11-1014-2 68607502 69147812	Bell Gong Assembly Gong *** ATTACHING PARTS *** Screw, 5/16-18 x 2" LG Locknut, 5/16 *** END OF ATTACHING PARTS ***	REF 1 1 1 1
10	22160800	Clevis, 5/16-24, 1/4"	1
15	22159400 60701200 64780800	Air Cylinder, 250 PSI Max. *** ATTACHING PARTS *** Screw, 1/4-20 x 2" LG Locknut, 1/4-20 *** END OF ATTACHING PARTS ***	1 1 1

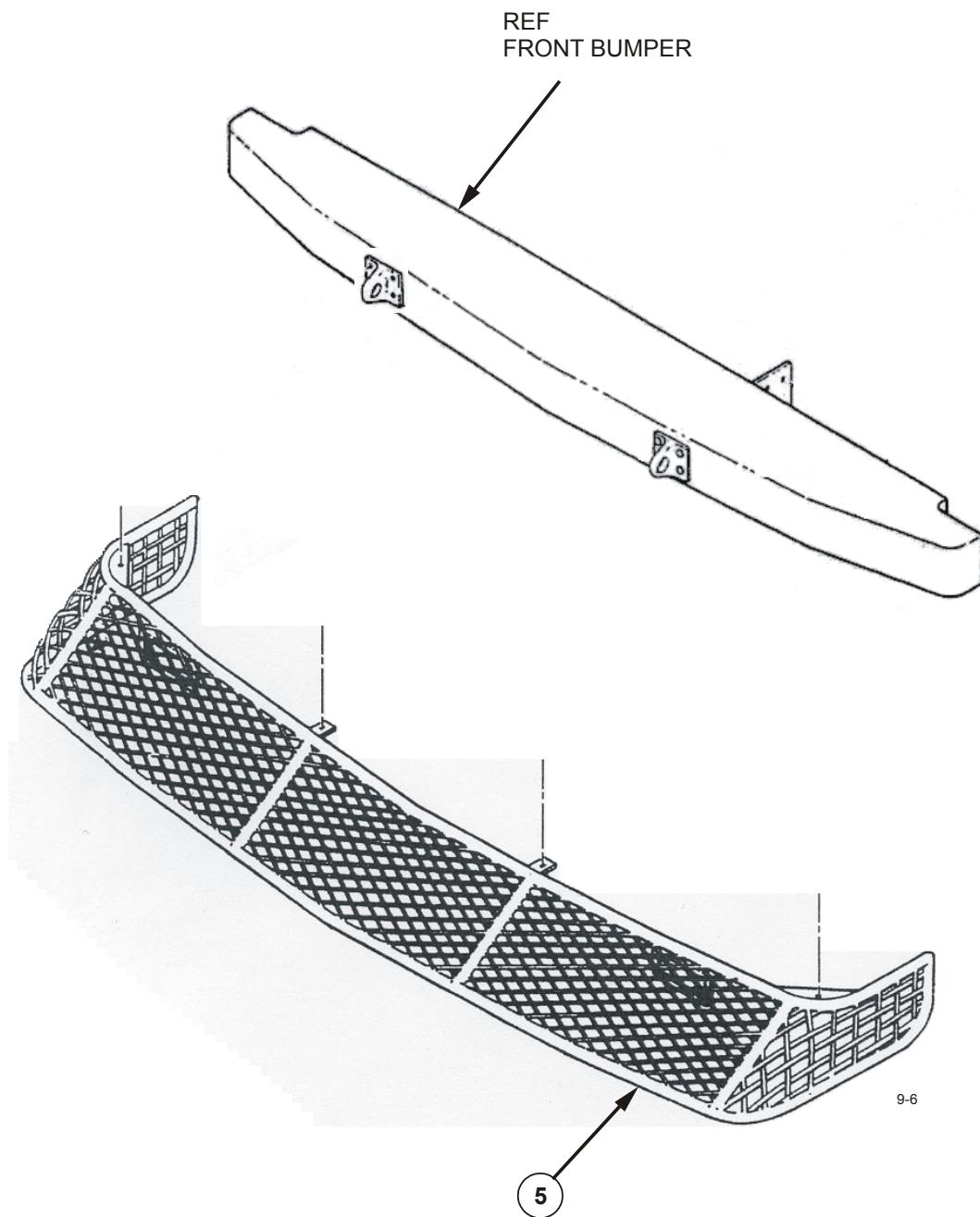
**Figure 9-4. Bumper Installation, Front and Rear**

ITEM	PART NO.	DESCRIPTION	QTY
5	28-4025	Bumper Installation	REF
	28-4030	Rear Bumper Assembly	REF
	20-4026-001	Front Bumper	1
		*** ATTACHING PARTS ***	
	60931200	Bolt, 5/8-11 x 2" LG, GR8	8
	68552900	Flatwasher, 5/8", HRD	8
10	64805400	Nut, Flexloc, 5/8-11	8
		*** END OF ATTACHING PARTS ***	
	20-4023-001	Tow Eye	4
		*** ATTACHING PARTS ***	
	60849400	Bolt, 1/2-13 x 1 3/4" LG, GR8	4
	68553000	Flatwasher, 1/2" HRD	4
15	64805000	Nut, Flexloc, 1/2-13	4
		*** END OF ATTACHING PARTS ***	
	28-4027-008	Mount, Angle, Curbside	1
	28-4027-009	Mount, Angle, Roadside	1
		*** ATTACHING PARTS ***	
	60841600	Bolt, 1/2-13 x 1" LG, GR5	4
20	64805000	Nut, Flexloc, 1/2-13	4
		*** END OF ATTACHING PARTS ***	
	28-4027-002	Bumper Weldment	1
		*** ATTACHING PARTS ***	
	61225201	Bolt, Carriage, 1/2-13 x 1 1/4" LG, GR5	8
	68553000	Flatwasher, 1/2 HRD	8
	64805000	Nut, Flexloc, 1/2-13	8
		*** END OF ATTACHING PARTS ***	



**Figure 9-5. External Mirror Installation**

ITEM	PART NO.	DESCRIPTION	QTY
5	28-0980	Velvac Mirror Installation	REF
	11-1054	Mirror Installation	REF
	24435200	Mirror, Convex	1
		*** ATTACHING PARTS ***	
	66148000	Rivet, 3/16 x 14, Alum. Dome	2
	66138000	Rivet Plug, Mushroom Head	2
10		*** END OF ATTACHING PARTS ***	
	24427400	Mirror, Curbside (for both electric and manual installations)	1
	24427500	Mirror, Roadside (for both electric and manual installations)	1
		*** ATTACHING PARTS ***	
	24427300	Mirror Fastener Kit	1
		*** END OF ATTACHING PARTS ***	
15	28-0982-1	Mirror Controller Assembly	1
		*** ATTACHING PARTS ***	
	66407699	Screw, Pan Head, #8 x 1/2" LG	4
		*** END OF ATTACHING PARTS ***	



**Figure 9-6. Cow Catcher Installation**

ITEM	PART NO.	DESCRIPTION	QTY
5	11-4025	Front and Rear Bumper and Cow Catcher Installation	REF
	11-4028-001	Cow Catcher Weldment	1
		*** ATTACHING PARTS ***	
	60786600	Bolt, 3/8-16 x 1" LG, GR8	4
	68553100	Flatwasher, 3/8 H.T.	4
	64804600	Nut, Flexloc, 3/8-16	4
		*** END OF ATTACHING PARTS ***	

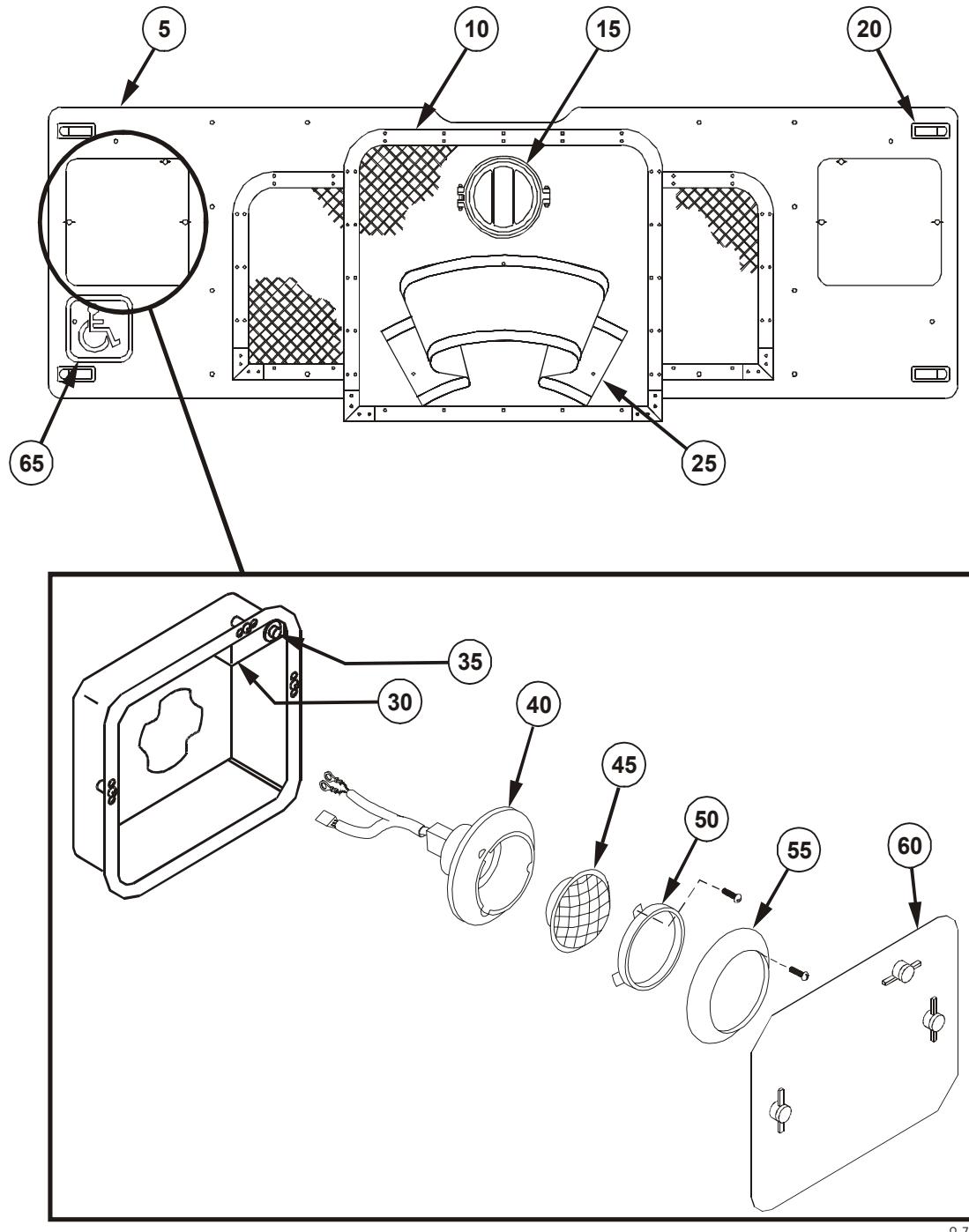
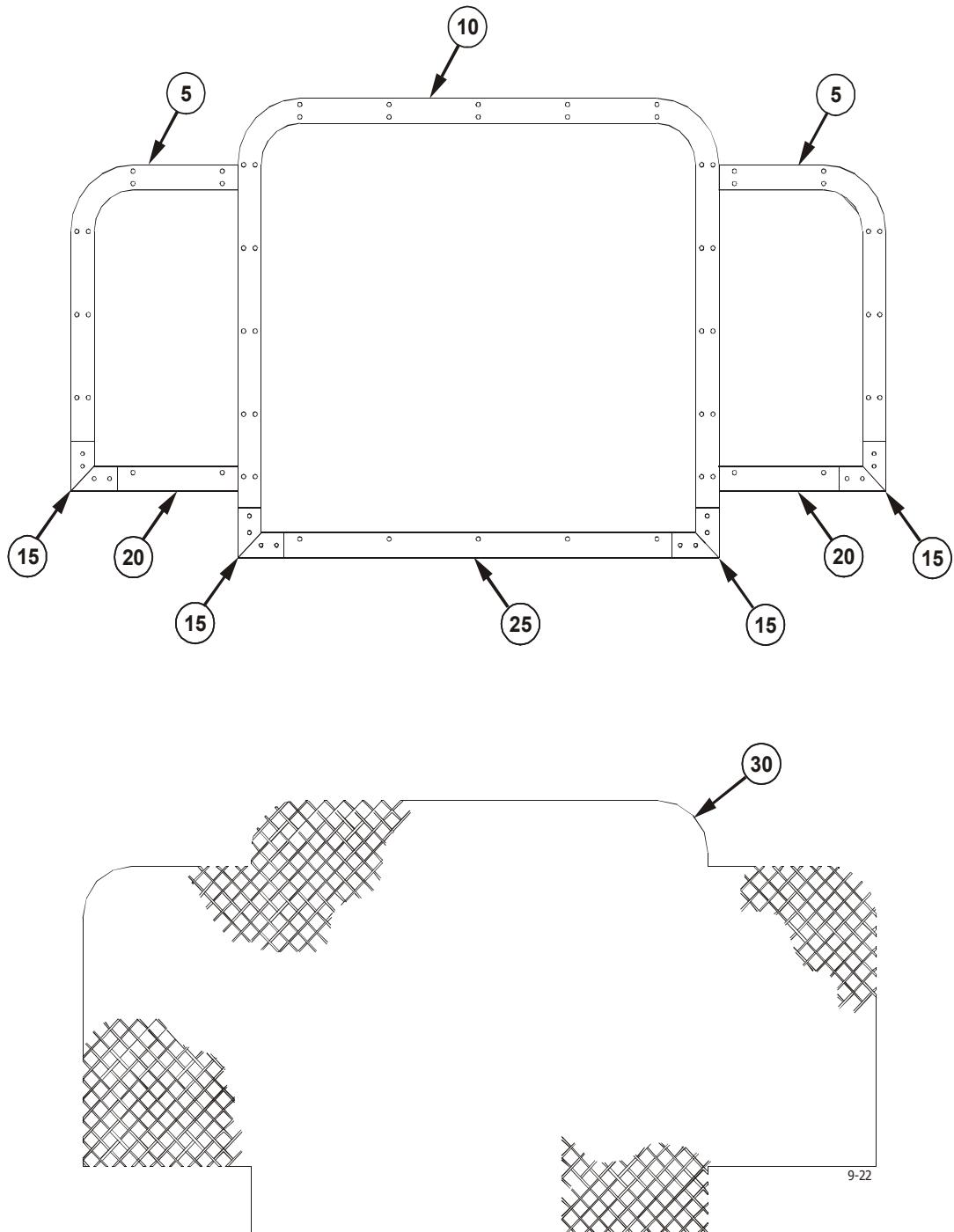


Figure 9-7. Grille Panel Assembly

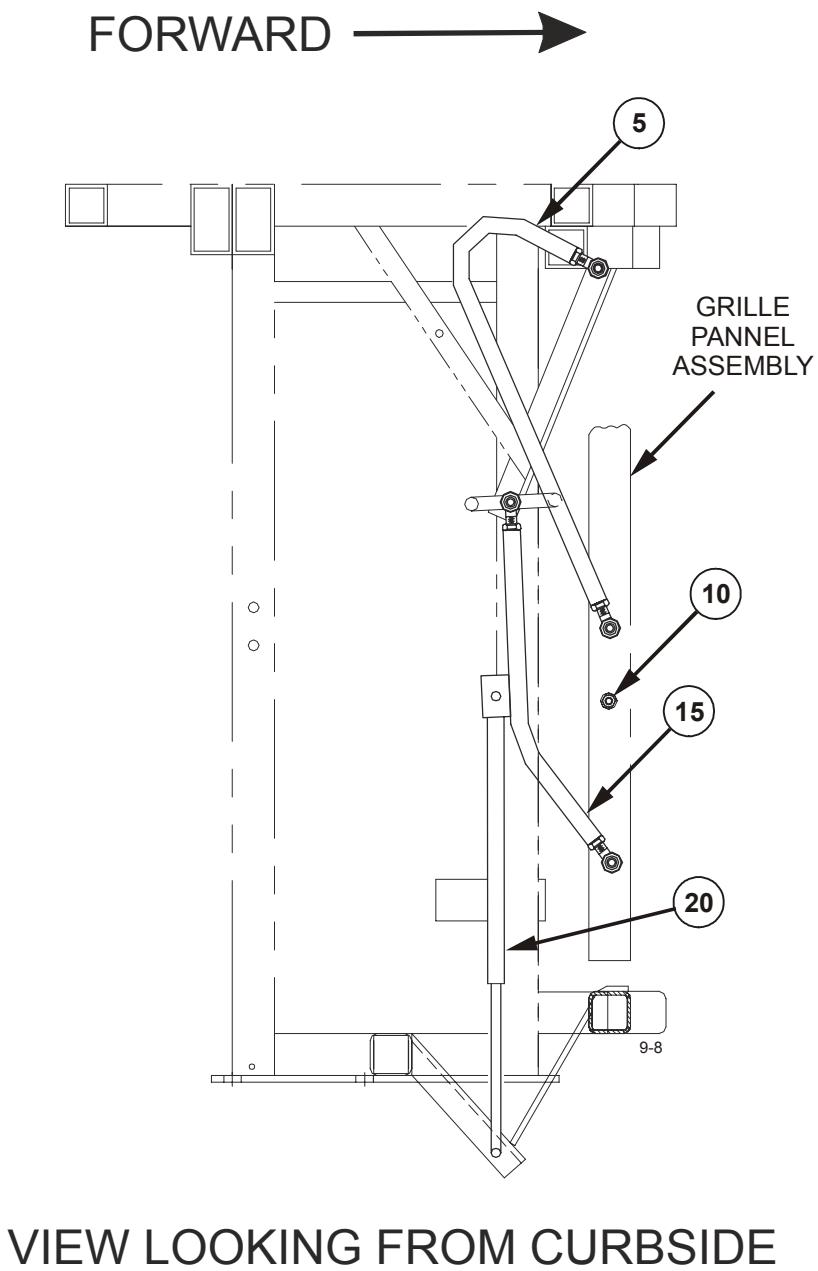
ITEM	PART NO.	DESCRIPTION	QTY
	28-1515B	Grille Panel Assembly, ISB02	REF
	28-1516	Headlight Assembly	REF
5	28-1517B-1	Grille Panel, Fiberglass	1
10	28-1555A-1	Screen Assembly, ISB02 (See <a href="#">Figure 9-8</a> for BKDN)	1
		*** ATTACHING PARTS ***	
	61161200	Screw, 1/4-20 x 1" LG, Brass	12
	68553600	Flatwasher, 1/4 x 1/2	44
	68530200	Washer SAE, 1/4	32
	64780800	Locknut, 1/4-20	32
	61161400	Screw, 1/4-20 x 1.25	32
	64803600	Nut, 1/4-20, Brass	12
	68542100	Lockwasher, 1/4", Internal Tooth	12
	11-1555-8	Screen Retainer Bar, 0.13 x 0.50 x 16.00	2
	11-1555-7	Screen Retainer Bar, 0.13 x 0.50 x 24.00	2
	28-1555A-12	Backing Bar, 0.13 x 0.50 x 7.00	4
		*** END OF ATTACHING PARTS ***	
15	11-1559-1	Head Light Assembly	1
		*** ATTACHING PARTS ***	
	61161400	Screw, 1/4-20 x 1.25" LG, Brass	2
	68530200	Washer SAE, 1/4	2
	64780800	Locknut, 1/4-20	2
		*** END OF ATTACHING PARTS ***	
20	23968500	Latch, Recessed	4
25	11-1557-1	Number Plate	1
		*** ATTACHING PARTS ***	
	61161900	Screw, 1/4-20 x 2	2
	68542000	Internal Lockwasher, 1/4	2
	68553600	Flatwasher, 1/4 x 1/2	2

ITEM	PART NO.	DESCRIPTION	QTY
	64803600	Nut, 1/4-20, Brass	2
	11-1555-9	Bar	1
	61161200	Screw, 1/4-20 x 1" LG, Brass	1
	68553600	Flatwasher, 1/4 x 1/2	1
	685330200	Washer SAE, 1/4	1
	64780800	Locknut, 1/4-20	1
		*** END OF ATTACHING PARTS ***	
30	11-7239-2	Switch, Cover, Curbside	1
	11-7239-1	Switch, Cover, Roadside	1
	20767400	Pushbutton Boot	2
		*** ATTACHING PARTS ***	
	61114600	Screw, 6-32 x 1.25 LG	2
	68536600	Lockwasher, #6	2
		*** END OF ATTACHING PARTS ***	
35	27654800	Microswitch	2
		*** ATTACHING PARTS ***	
	11-7238-1	Nutplate	1
	11-7237-1	Spacer	1
		*** END OF ATTACHING PARTS ***	
40	24084201	Headlight Assembly	2
45	NA	Headlight, Wagner H6024	2
50	28-1516-16	Bezel Assembly, Inner	2
		*** ATTACHING PARTS ***	
	61142400	Screw, 10-24 x 3/4" LG	3
		*** END OF ATTACHING PARTS ***	
55	28-1516-15	Bezel Assembly, Outer	2
		*** ATTACHING PARTS ***	
	66407200	Screw, 8-32	3

ITEM	PART NO.	DESCRIPTION	QTY
		*** END OF ATTACHING PARTS ***	
60	11-1558-4	Cover Assembly, Headlight, Curbside	1
	11-1558-5	Cover Assembly, Headlight, Roadside	1
65	24065712	Handicap Symbol Decal	1

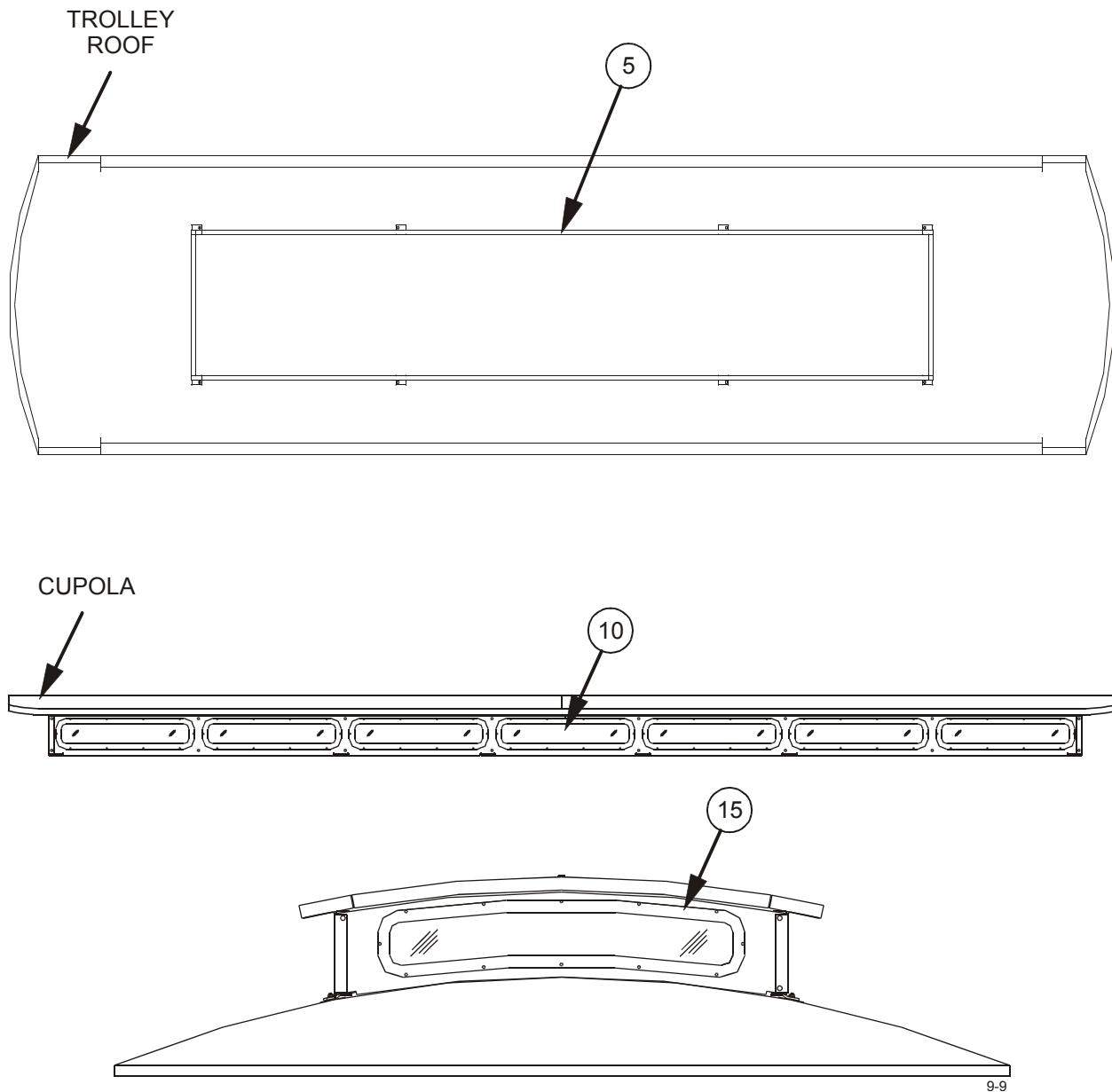
**Figure 9-8. Screen Assembly ISB02**

ITEM	PART NO.	DESCRIPTION	QTY
	28-1555A	Screen Assembly ISB02	REF
5	28-1555A-4	Screen, Frame, Vertical, 0.38 x 1.50 x 27.00, Brass	2
10	28-1555A-3	Screen, Frame, Upper	1
15	11-1555-5	Screen, Frame, Corner	4
20	28-1555A-5	Screen, Frame, Horizontal, 0.38 x 1.50 x 10.75	2
25	11-1555-4	Screen, Frame, Lower	1
30	48725224	Screen, (12GA x 0.75) x 25.88	

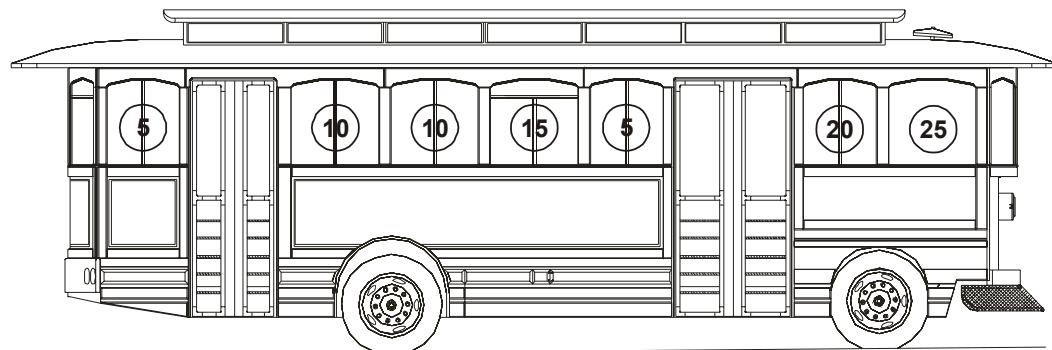


**Figure 9-9. Grille Panel Installation**

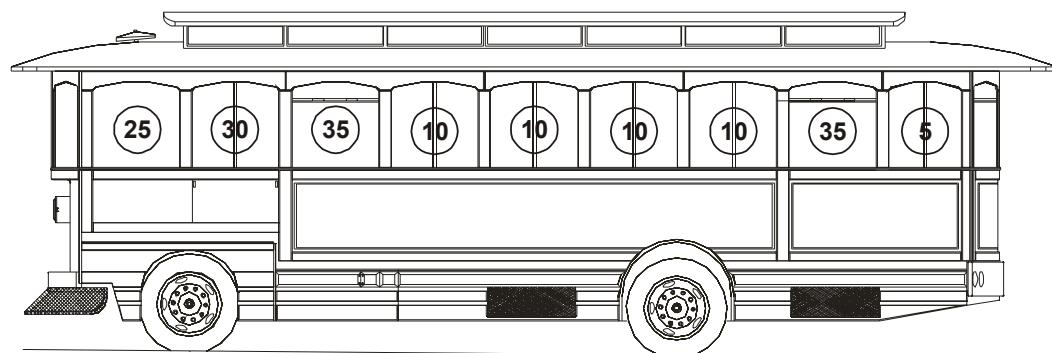
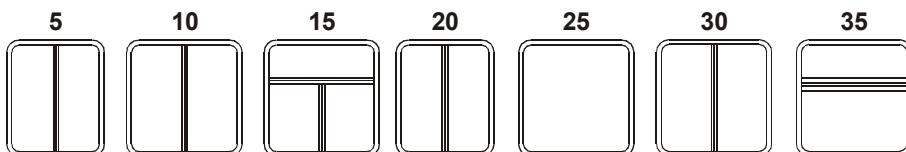
ITEM	PART NO.	DESCRIPTION	QTY
5	28-1510A	Grille Panel Installation ISB02	REF
	28-1556-1	Grille Support Arm Assembly	1
		*** ATTACHING PARTS ***	
	61224500	Bolt, Shoulder, 3/8 x 5/8" LG (5/15-18)	4
	68530600	Flatwasher, 5/16	8
	64804400	Nut, Flexloc, 5/16-18	4
		*** END OF ATTACHING PARTS ***	
10	28-1520-9	Stop	2
		*** ATTACHING PARTS ***	
	60700600	Bolt, 1/4-20 x 1 1/4" LG, GR5	1
	64780800	Locknut, 1/4-20	2
		*** END OF ATTACHING PARTS ***	
15	28-1556-3	Shock Arm Assembly	2
		*** ATTACHING PARTS ***	
	60766800	Screw, Cap, 3/8-16 x 1 1/4" LG	2
	68531000	Flatwasher, 3/8	2
	68553200	Flatwasher, Hardened, 3/8	2
	68542700	Lockwasher, Internal, 3/8	2
	64804600	Locknut, Flexloc, 3/8-16	2
		*** END OF ATTACHING PARTS ***	
20	27218800	Gas Spring	2
		*** ATTACHING PARTS ***	
	21679000	Retainer	2
	27536300	Ball Stud	2
	68530600	Flatwasher, 5/16	2
	64804400	Locknut, Flexloc, 5/16-18	2
		*** END OF ATTACHING PARTS ***	

**Figure 9-10. Cupola Installation and Windows**

ITEM	PART NO.	DESCRIPTION	QTY
5	28-3008A	Bolt On Cupola Assembly	REF
	28-3021	Diesel Cupola Installation	REF
	28-3008A	Cupola Assembly, Bolt On	1
		*** ATTACHING PARTS ***	
	27532401	Stud, 3/8-16 x 2" LG, Double End	8
	28-3061-6	Foot Shim, Front	2
	28-3061-5	Foot Shim, Rear	2
	68558001	Flatwasher, 3/8, GR8, Z/P	8
10	64804600	Nut, Flexloc, 3/8-16	8
		*** END OF ATTACHING PARTS ***	
10	28657000	Window, Side, Cupola	14
15	28657100	Window, End, Cupola	2

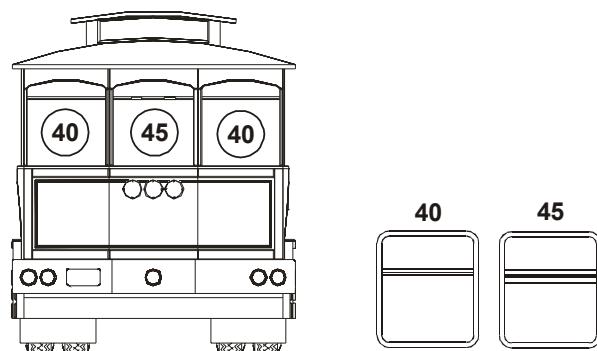


CURBSIDE VIEW



9-10

ROADSIDE VIEW



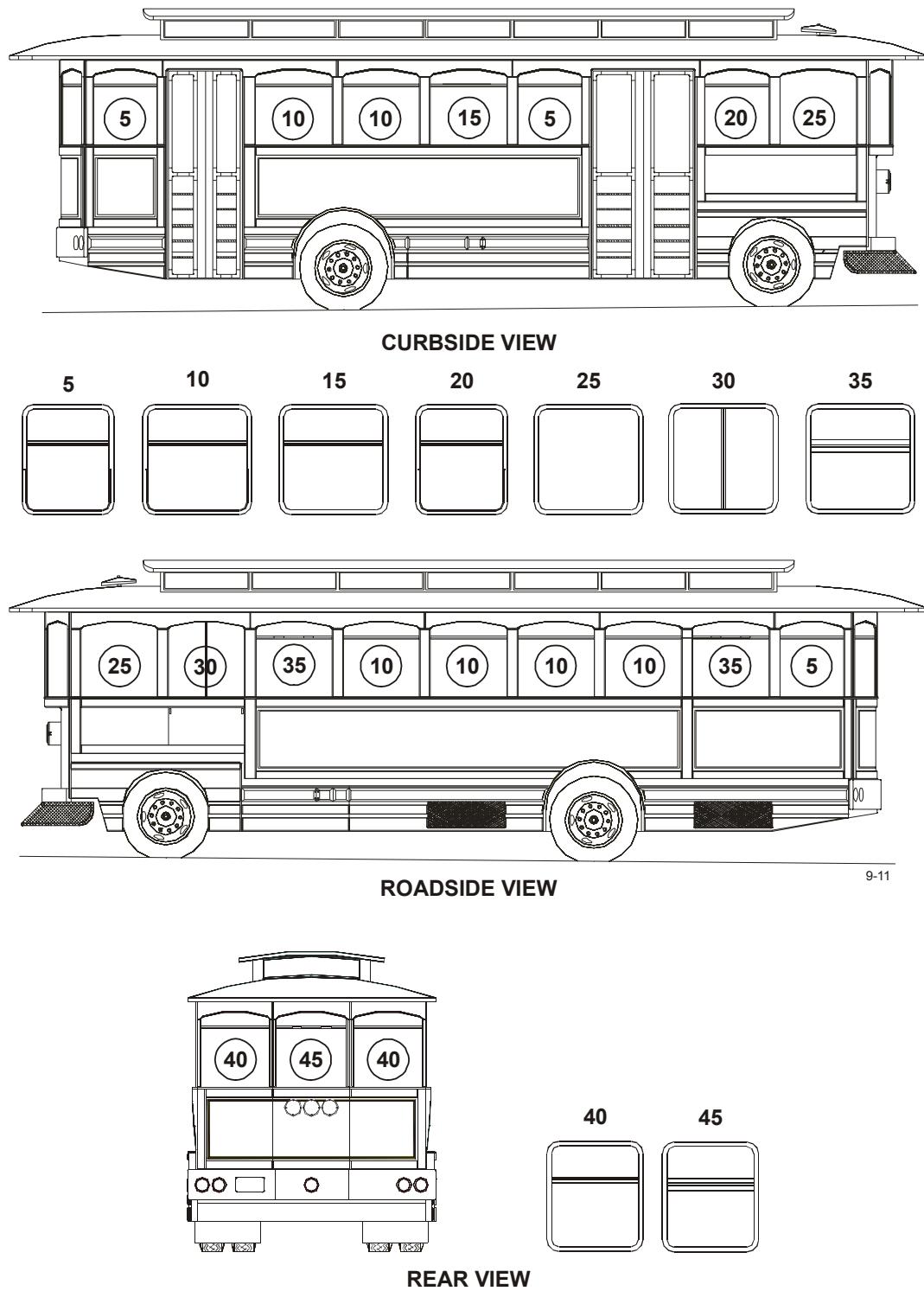
REAR VIEW

**Figure 9-11. Window Installation, Full Sliders**

ITEM	PART NO.	DESCRIPTION	QTY
5	28-1002	Window Instillation (Full Sliders)	REF
	28692300	Small Sash Window	3
	66160003	Pop Rivet, 3/16" x (1/8"-1/4")	AR
10	28692200	Large Slider Window	6
	66160003	Pop Rivet, 3/16" x (1/8"-1/4")	AR
15	28692600	Destination Sign Window	1
	66160003	Pop Rivet, 3/16" x (1/8"-1/4")	AR
20	28692500	Small Front C.S. Window	1
	66160003	Pop Rivet, 3/16" x (1/8"-1/4")	AR
25	28-1069-11	Large Front Slider Window	2
	66160003	Pop Rivet, 3/16" x (1/8"-1/4")	AR
30	28692401	Drivers window	1
	66160003	Pop Rivet, 3/16" x (1/8"-1/4")	AR
35	28691801	Slide Egress Window	2
	66160003	Pop Rivet, 3/16" x (1/8"-1/4")	AR

ITEM	PART NO.	DESCRIPTION	QTY
40	28691701	*** END OF ATTACHING PARTS *** Rear Sash Window *** ATTACHING PARTS ***	2
	66160003	Pop Rivet, 3/16" x (1/8"-1/4")	AR
45	28691301	*** END OF ATTACHING PARTS *** Rear Egress Window *** ATTACHING PARTS ***	1
	66160003	Pop Rivet, 3/16" x (1/8"-1/4") *** END OF ATTACHING PARTS ***	AR

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**Figure 9-12. Window Installation**

ITEM	PART NO.	DESCRIPTION	QTY
5	28-1000A	Window Installation	REF
	28693800	Small Sash Window	3
	66160003	Pop Rivet, 3/16" x (1/8"-1/4")	AR
10	28693900	Large Side Window	6
	66160003	Pop Rivet, 3/16" x (1/8"-1/4")	AR
15	28691101	Destination Sign Window	1
	66160003	Pop Rivet, 3/16" x (1/8"-1/4")	AR
20	28693700	Small Front C.S. Window	1
	66160003	Pop Rivet, 3/16" x (1/8"-1/4")	AR
25	28-1069-11	Large Front Slider Window	2
	66160003	Pop Rivet, 3/16" x (1/8"-1/4")	AR
30	28692401	Drivers window	1
	66160003	Pop Rivet, 3/16" x (1/8"-1/4")	AR
35	28691801	Slide Egress Window	2
	66160003	Pop Rivet, 3/16" x (1/8"-1/4")	AR

ITEM	PART NO.	DESCRIPTION	QTY
40	28691701	*** END OF ATTACHING PARTS *** Rear Sash Window *** ATTACHING PARTS ***	2
	66160003	Pop Rivet, 3/16" x (1/8"-1/4")	AR
45	28691301	*** END OF ATTACHING PARTS *** Rear Egress Window *** ATTACHING PARTS ***	1
	66160003	Pop Rivet, 3/16" x (1/8"-1/4") *** END OF ATTACHING PARTS ***	AR

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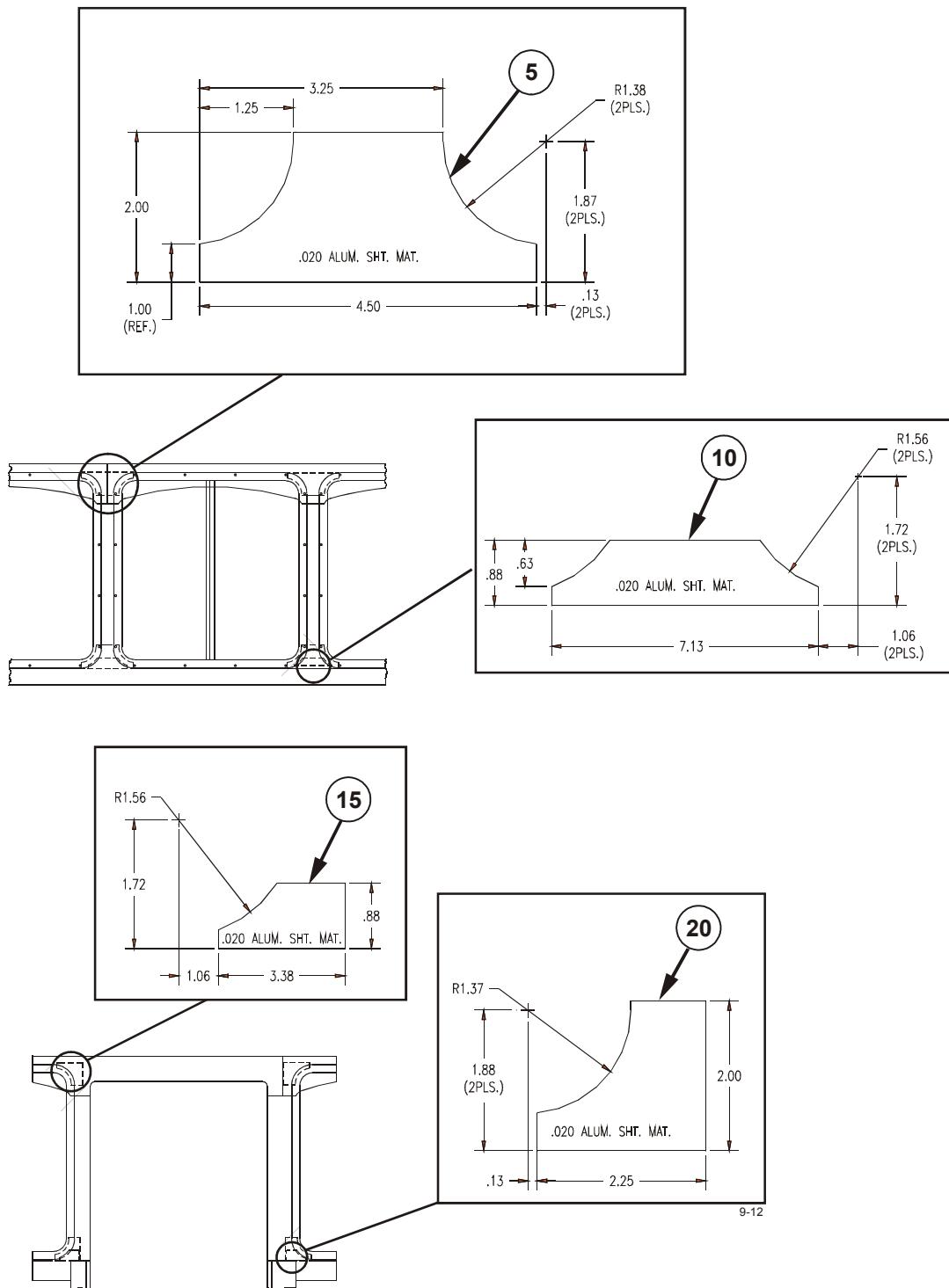
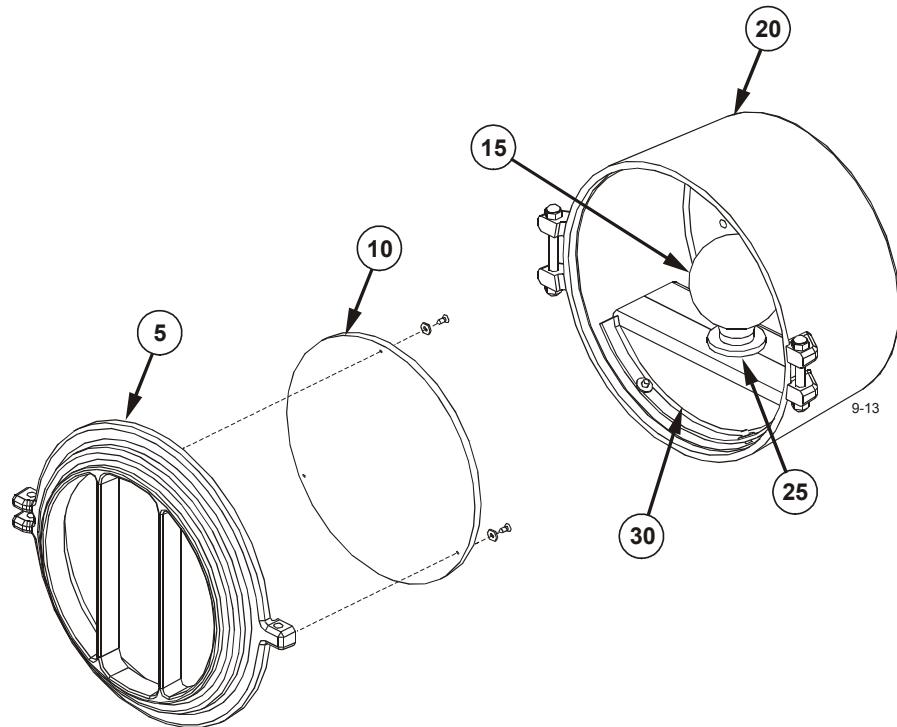


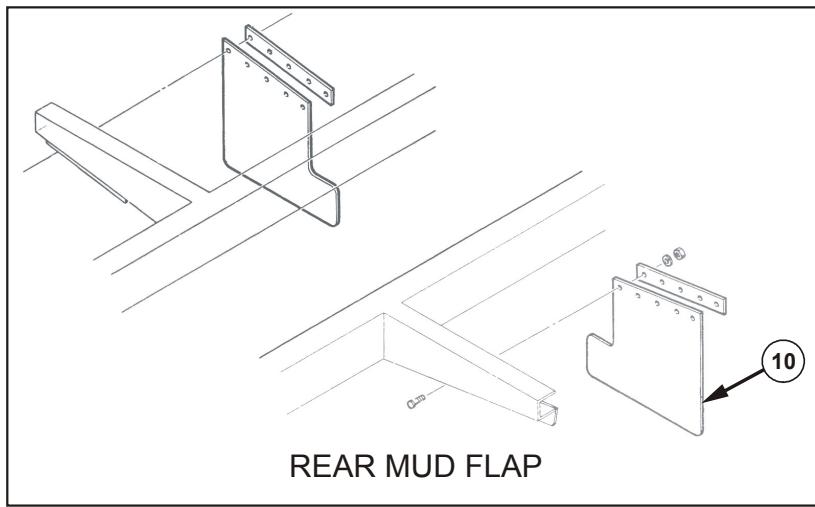
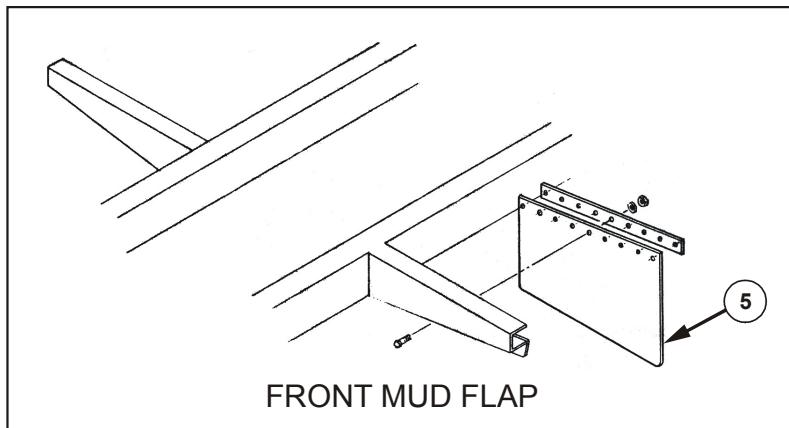
Figure 9-13. Interior and Exterior Window Fillers

ITEM	PART NO.	DESCRIPTION	QTY
	28-1005	Window Fillers	REF
5	28-1005-6	Interior Window Filler	24
10	28-1005-4	Exterior Window Filler	16
15	28-1005-5	Exterior Window End Filler	12
20	28-1005-3	Interior Window End Filler	27

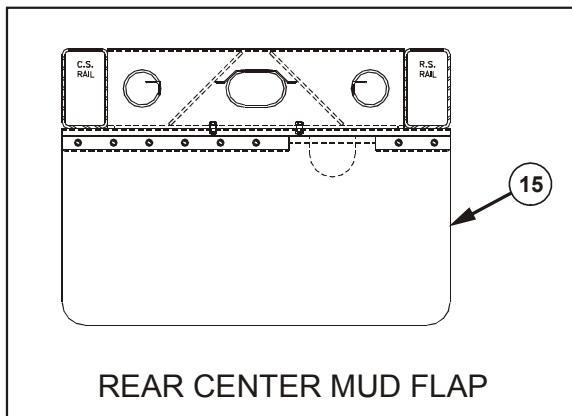


**Figure 9-14. Center Headlight Assembly**

ITEM	PART NO.	DESCRIPTION	QTY
5	11-1559-001	Headlight Assembly, Center	REF
	11-1559-004	Headlight Cover	1
		*** ATTACHING PARTS ***	
	11-1559-009	All Thread, 1/4-20 x 2.63	1
	64296000	Nut, Acorn, 1/4-20, Brass	2
	11-1559-008	All Thread, 1/4-20 x 2.00	1
	64296000	Nut, Acorn, 1/4-20, Brass	2
		*** END OF ATTACHING PARTS ***	
10	11-1559-007	Lens, Headlight	1
		*** ATTACHING PARTS ***	
	26415500	Screw, #6 x 3/8	3
	68529100	Flatwasher, #6	3
		*** END OF ATTACHING PARTS ***	
15	20992200	Bulb, (GE 25G25, 25W)	1
20	11-1559-006	Headlight	1
25	26962500	Lamp Socket	1
30	11-1559-010	Bulb Holder	1
		*** ATTACHING PARTS ***	
	66149200	Rivet, 3/16 x 5/8	2
		*** END OF ATTACHING PARTS ***	



9-14



**Figure 9-15. Front and Rear Mud Flap Installation**

ITEM	PART NO.	DESCRIPTION	QTY
5	11-1650	Mud Flap Installation	REF
	28-1650	Mud Flap Installation, Front	REF
	28-0987	Optional Third Mud Flap Installation	REF
	28-9130-001	Mud Flap, Front	2
		*** ATTACHING PARTS ***	
	28-1652-001	Doubler	1
	60700400	Bolt, 1/4-20 x 1" LG	9
	68537000	Lockwasher, 1/4	9
	64750000	Nut, 1/4-20	9
		*** END OF ATTACHING PARTS ***	
10	01-9130-9	Mud Flap, Rear	2
		*** ATTACHING PARTS ***	
	01-1652-5	Doubler	1
	68607004	Bolt, 1/4-20 x 1	5
	69685370	Lockwasher, 1/4	5
	69147500	Nut, 1/4-20	5
		*** END OF ATTACHING PARTS ***	
	01-9130-14	Mud Flap, Rear Center	1
		*** ATTACHING PARTS ***	
	28-1619-2	Doubler	1
15	60700600	Bolt, 1/4-20 x 1.25, GR5	6
	68530200	Flatwasher, 1/4"	12
	64780800	Locknut, 1/4-20	6
	28-1619-3	Doubler	1
	60700600	Bolt, 1/4-20 x 1.25, GR5	2
	68530200	Flatwasher, 1/4"	4
	64780800	Locknut, 1/4-20	2
		*** END OF ATTACHING PARTS ***	

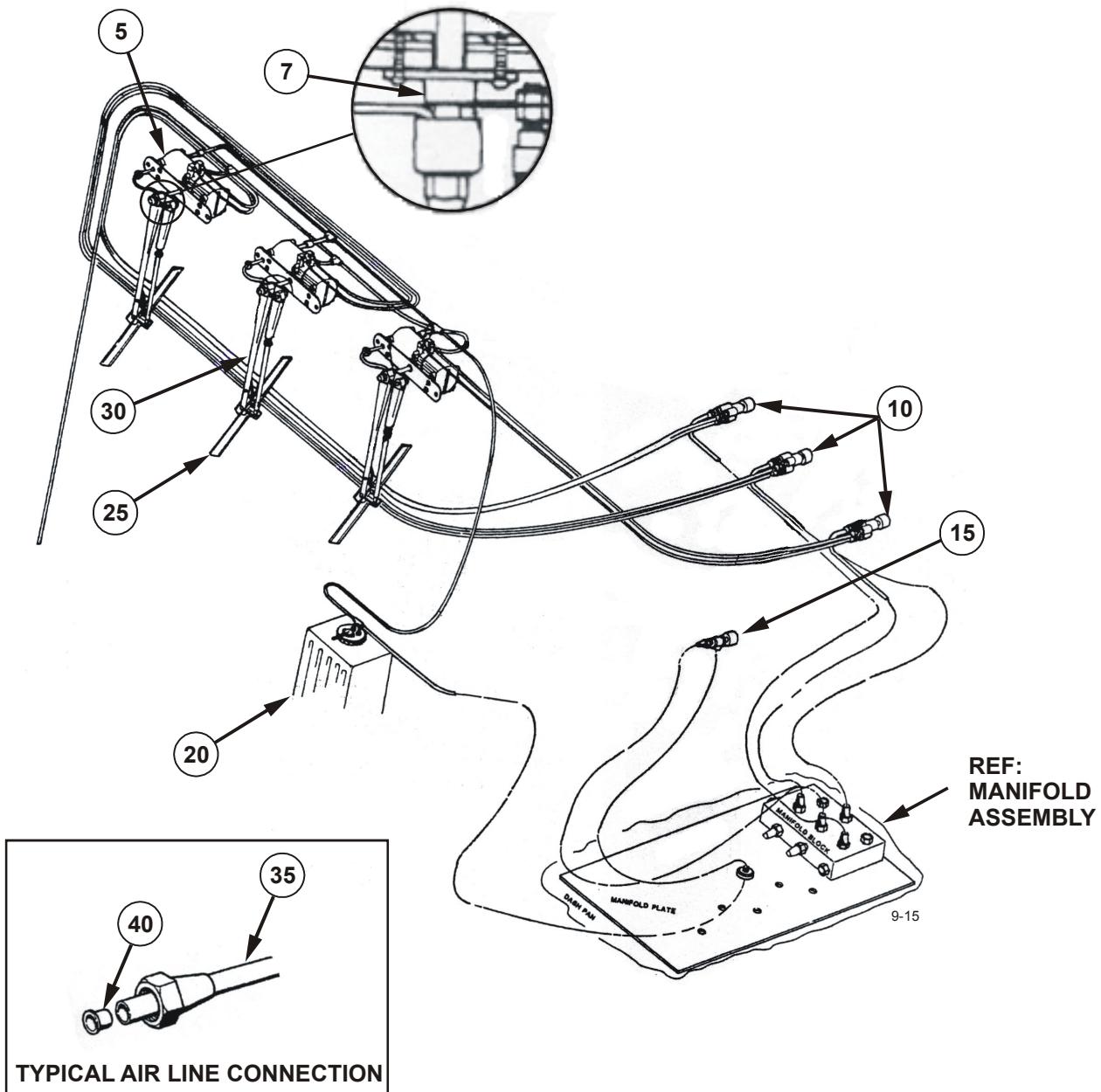


Figure 9-16. Windshield Wiper Installation

ITEM	PART NO.	DESCRIPTION	QTY
5	28-1470-001	Windshield Washer and Wiper Installation	REF
	24472700	Windshield Wiper Motor (See <a href="#">Figure 9-17</a> for BKDN)	3
		*** ATTACHING PARTS ***	
	60700200	Bolt, 1/4-20 x 3/4', gr5	2
	68537000	Lockwasher, 1/4"	2
	68530200	Flatwasher, 1/4"	2
		*** END OF ATTACHING PARTS ***	
7	20495000	Bearing Assembly	1
		*** ATTACHING PARTS ***	
	66408400	Screw, #10 x 1	2
		*** END OF ATTACHING PARTS ***	
10	28457700	Windshield Wiper Control (See <a href="#">Figure 9-17</a> for BKDN)	3
15	28457800	Windshield Washer Control (See <a href="#">Figure 9-17</a> for BKDN)	1
20	25613900	Windshield Washer Assembly, 3-Quart	REF
		Consisting of:	
	20770004	Windshield Washer Bottle, 3-Quart	1
	20770003	Windshield Washer Pump	1
25	20570500	Windshield Wiper Blade, 20"	3
30	20273000	Windshield Wiper Arm Assembly	3
35	60169800	Insert, Tubing, 1/4"	AR
40	48015000	Tube, Air, 1/4", Black	AR

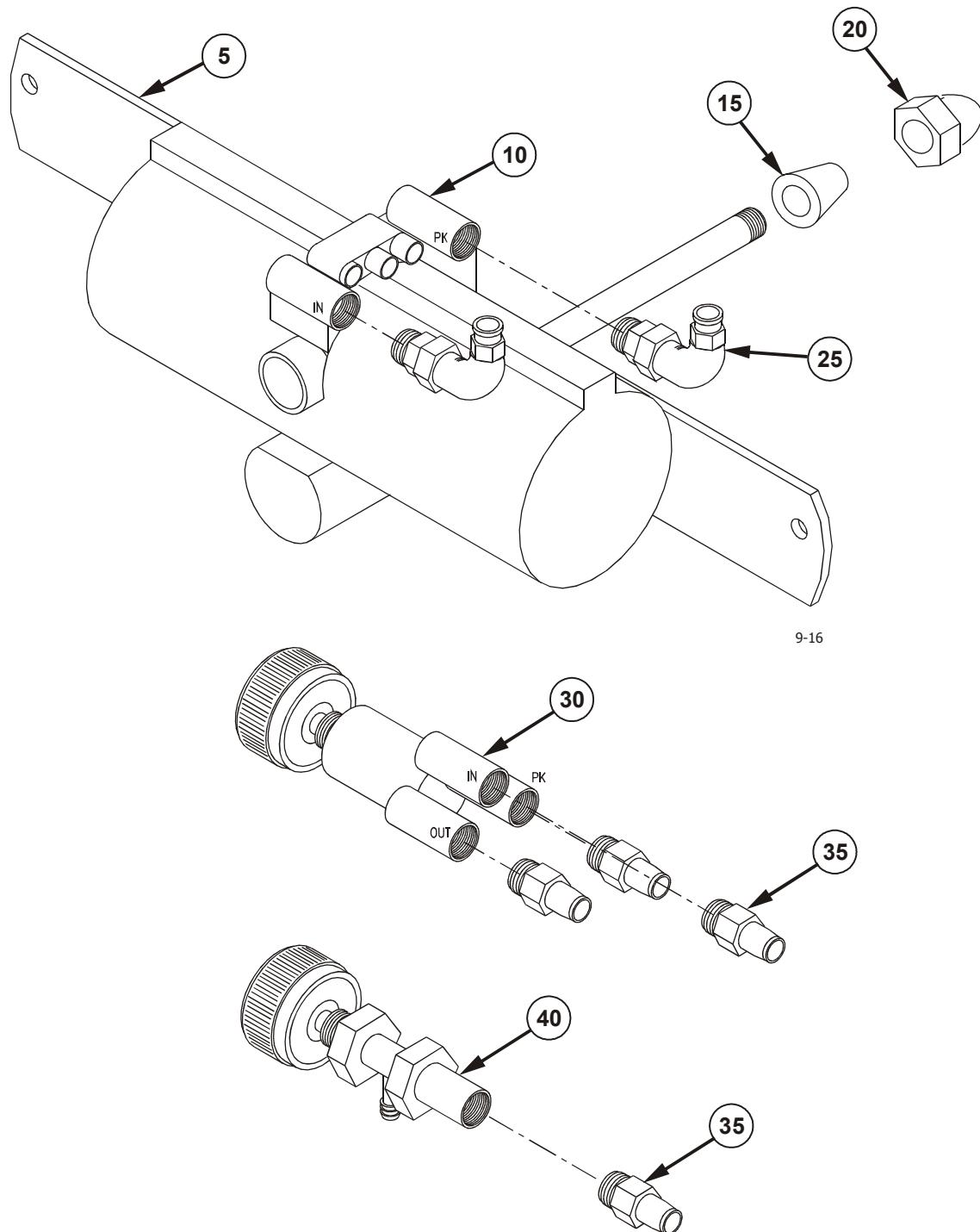
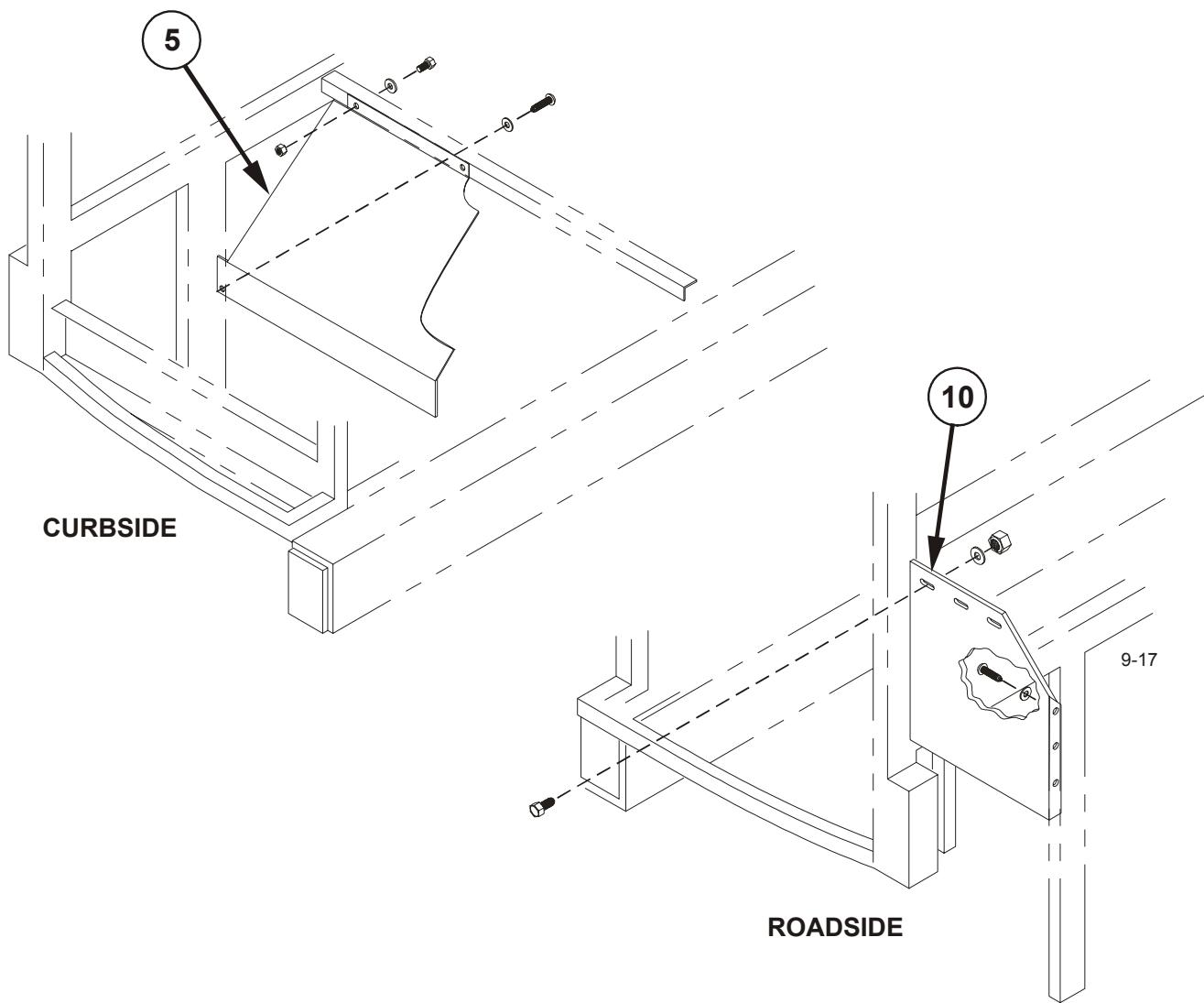


Figure 9-17. Windshield Wiper Motor and Controls

ITEM	PART NO.	DESCRIPTION	QTY
	28-1473	Wiper Control Assembly	REF
5	24472700	Windshield Wiper Motor	1
10	24472803	Windshield Wiper Motor Rebuild Kit	AR
15	22350300	Windshield Wiper Arm Bushing	1
20	24738300	Nut, Acorn	1
25	60293712	90° Elbow, Male, 1/8 MPT - 1/4 Tube	2
30	28457700	Wiper Control Valve	1
35	60293706	Connector, Male, 1/8 MPT - 1/4 Tube	4
40	28457800	Washer Control Valve	1

**Figure 9-18. Front Wheel Well Forward Deflectors**

ITEM	PART NO.	DESCRIPTION	QTY
5	28-1670-	Deflector Installation	REF
	20-1671-10	Deflector, Forward, Curbside	1
		*** ATTACHING PARTS ***	
	60700200	Bolt, 1/4-20 x 3/4" LG, GR5	2
	68530200	Flatwasher, 1/4"	2
	64780800	Nut, 1/4-20	2
	66407400	Screw, #8 x 5/8" LG	1
	68529000	Flatwasher, #8	1
		*** END OF ATTACHING PARTS ***	
10	20-1671-3	Deflector, Forward, Roadside	1
		*** ATTACHING PARTS ***	
	60700200	Bolt, 1/4-20 x 3/4" LG, GR5	3
	68530200	Flatwasher, 1/4"	3
	64780800	Nut, 1/4-20	3
	66407400	Screw, #8 x 5/8" LG	3
	68529000	Flatwasher, #8	3
		*** END OF ATTACHING PARTS ***	

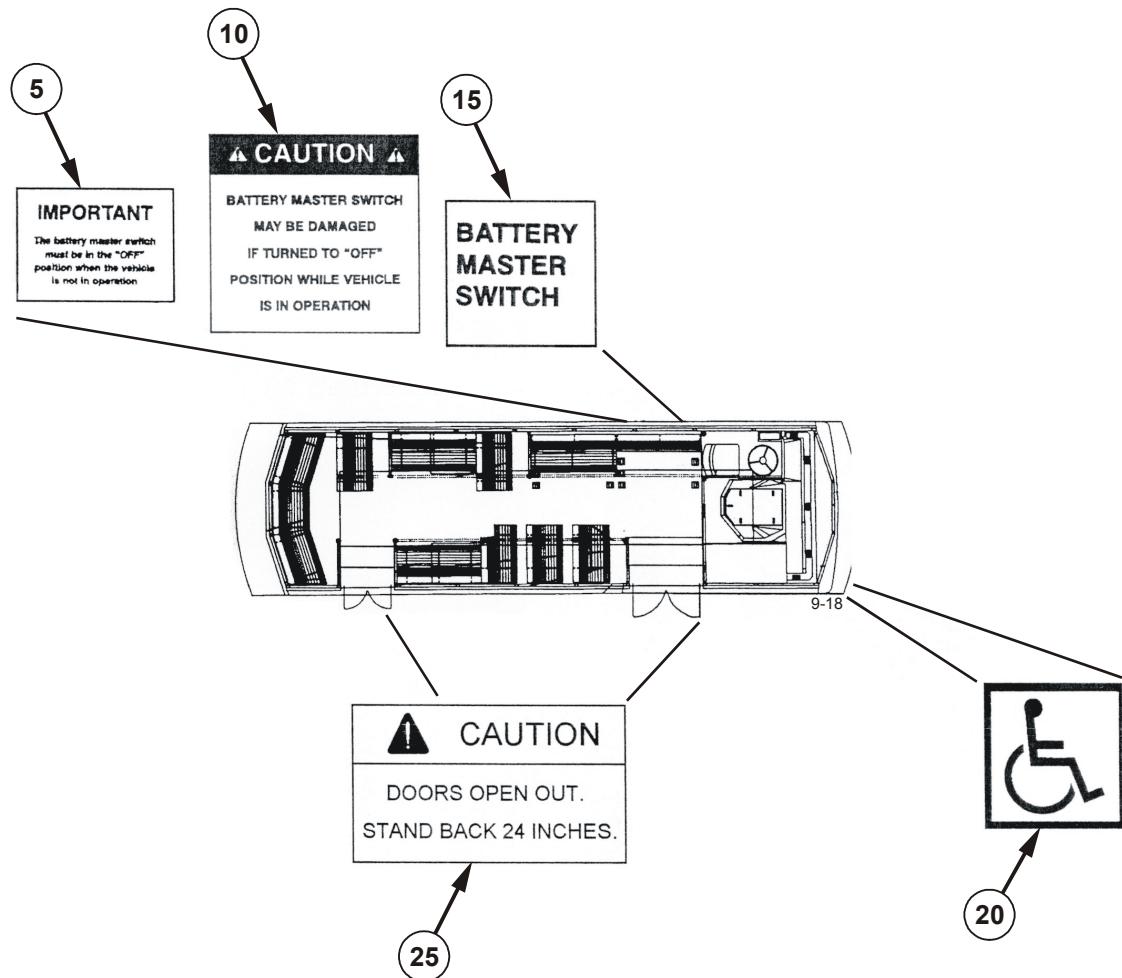
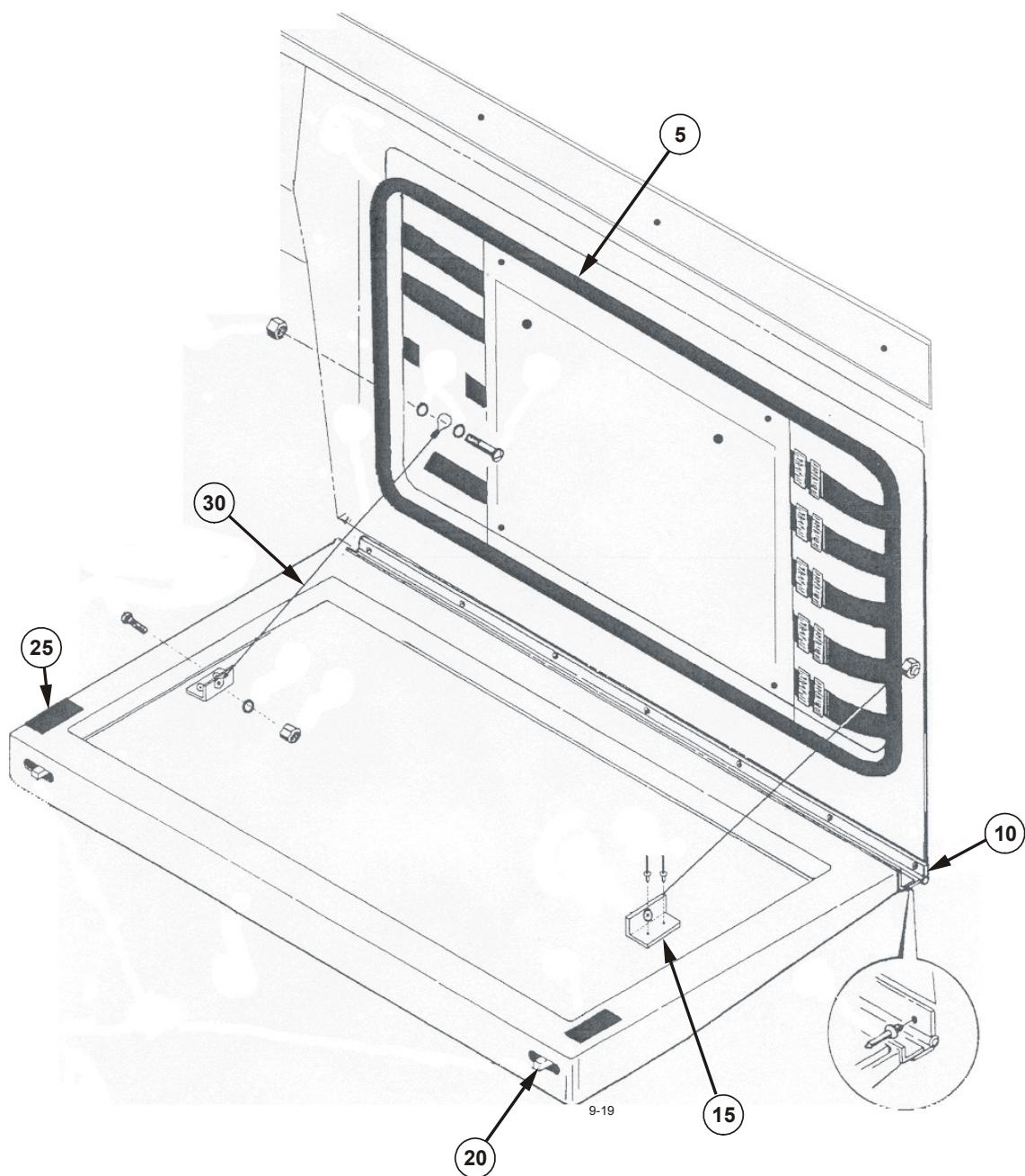


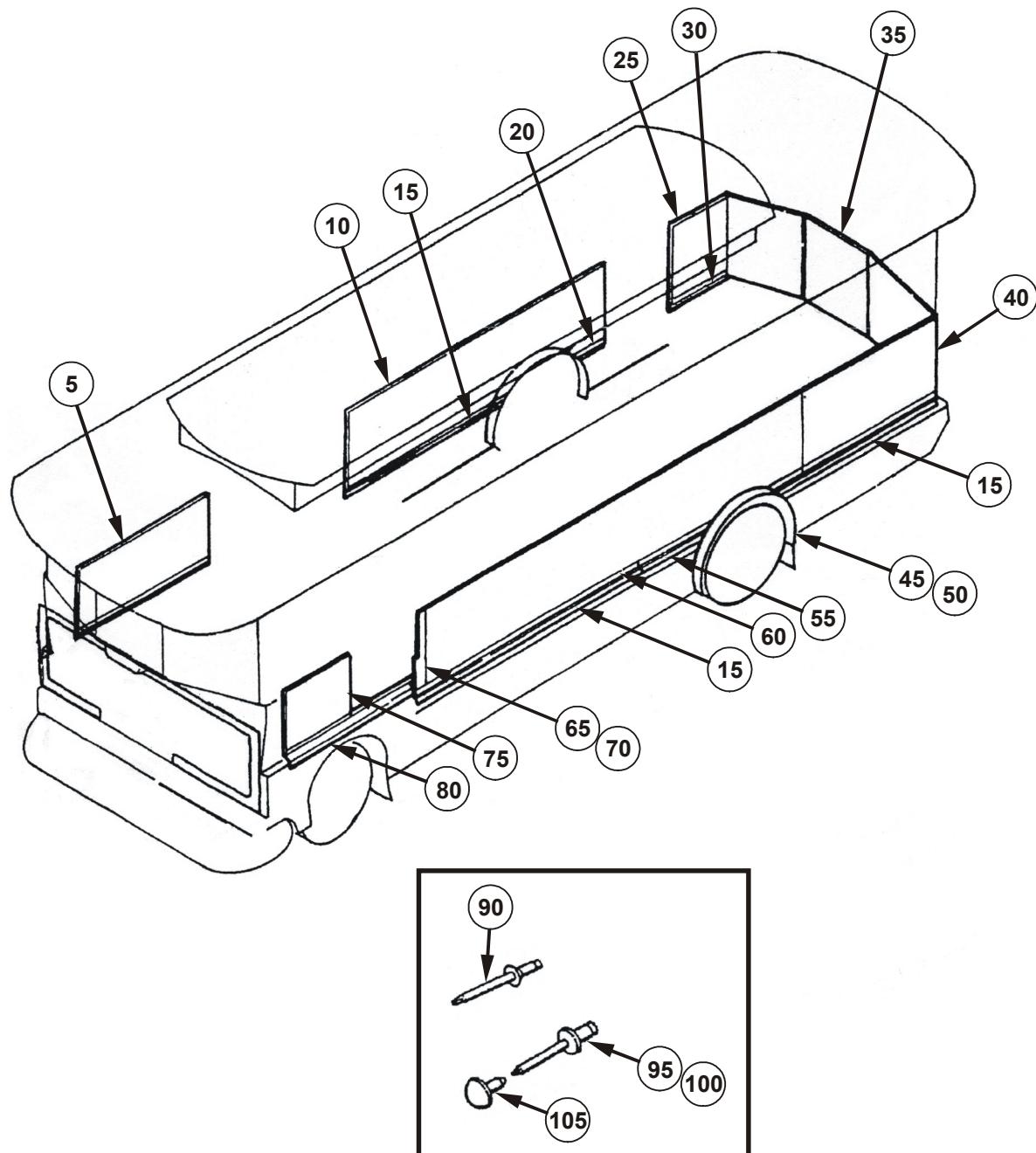
Figure 9-19. Decal Installation

ITEM	PART NO.	DESCRIPTION	QTY
	28-1950-001	Decal Installation	REF
5	22196102	Exterior Decal, Important Battery Master	2
10	22202001	Exterior Decal, Caution Battery Master Switch	1
15	22196101	Exterior Decal, Battery Master Switch	1
20	24065712	Exterior Decal, International Handicapped Symbol	1
25	22196501	Exterior Decal, Doors Open Out	2



**Figure 9-20. Junction Box Door**

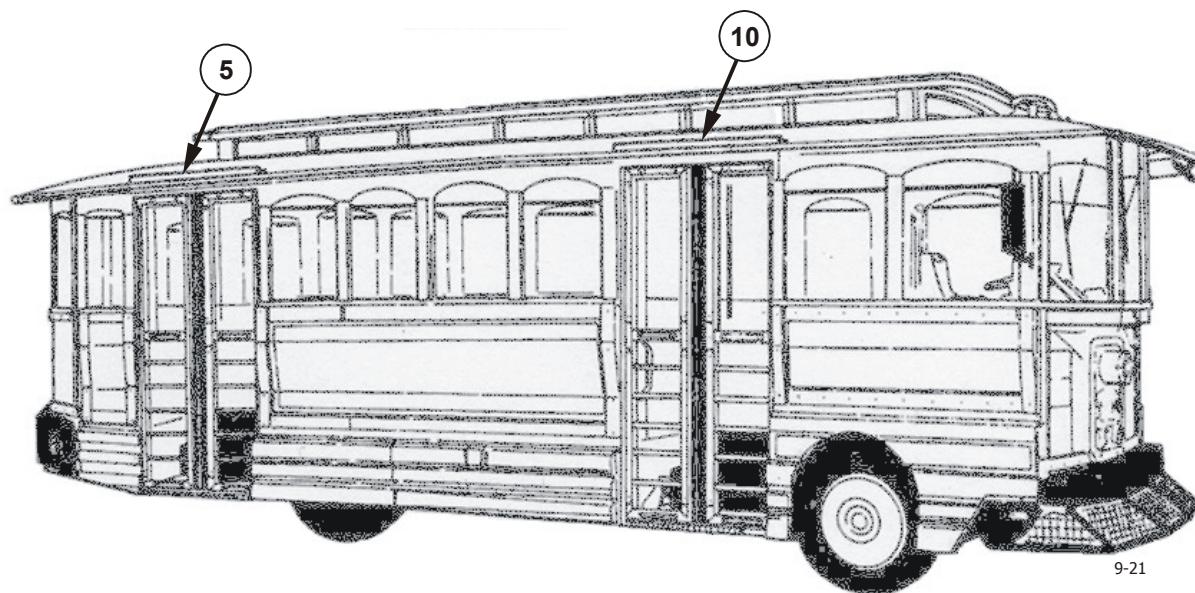
ITEM	PART NO.	DESCRIPTION	QTY
	28-3004	J-Box Door and Frame Installation	REF
	28-3016A	J-Box Door Assembly	REF
5	42222500	Seal, J-Box Door, Bulb, Rubber, 77" LG	AR
10	28-3017-1	J-Box Door Hinge Assembly	1
		*** ATTACHING PARTS ***	
	66164000	Pop Rivet, 1/4-1/2	AR
		*** END OF ATTACHING PARTS ***	
15	28-3014-6	Angle	2
		*** ATTACHING PARTS ***	
	66166800	Monobolt	2
		*** END OF ATTACHING PARTS ***	
20	23968300	Latch, J-Box Door	2
25	28-3006-001	Plug	2
30	05-1505-001	Cable Assembly, J-Box Door	2
		*** ATTACHING PARTS ***	
	61143800	Screw, 1/4-20 x 1/2	1
	64780800	Locknut, 1/4-20	1
		*** END OF ATTACHING PARTS ***	



9-20

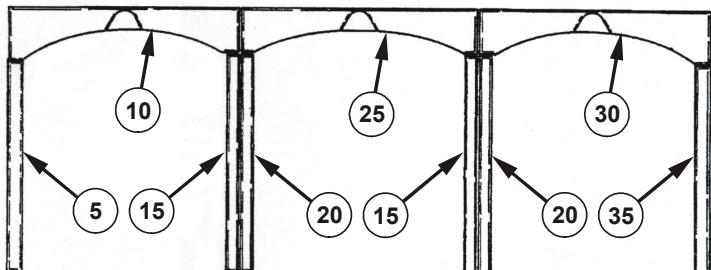
Figure 9-21. Upper Exterior Skin Installation

ITEM	PART NO.	DESCRIPTION	QTY
	28-3010-2	Lower Exterior Skin Installation	REF
5	28-3011-001	Skin, Exterior, Curbside Forward	1
10	28-3011-002	Skin, Exterior, Curbside	1
15	28-3224-001	Trim, Skirt	3
20	28-3224-004	Trim, Skirt	1
25	28-3011-003	Skin, Exterior, Curbside Aft	1
30	28-3224-003	Trim, Skirt	1
35	28-3011-006	Skin, Exterior, Rear Wall	1
40	28-3011-005	Skin, Exterior, Roadside Aft	1
45	22615400	Fenderette	2
50	28-3225-002	Closeout, Fenderette	4
55	28-3224-005	Trim, Skirt	1
60	28-3011-004	Skin, Exterior, Roadside Forward	1
65	28-3011-022	J-Box Closeout, Exterior	2
70	28-3011-011	Skin, Exterior, Roadside Aft Junction Box	1
75	28-3011-010	Skin, Exterior Roadside Forward	1
80	28-3224-002	Trim, Skirt	2
85	28-3290-001	Cover, Lower Front Fiberglass	1
90	66145502	Rivet, 3/16 x 1	AR
95	66160000	Rivet, 3/16, 120° Countersunk	AR
100	66148000	Rivet, 3/16 x 1/4, Aluminum dome	AR
105	66138000	Rivet Cap, Mushroom	AR

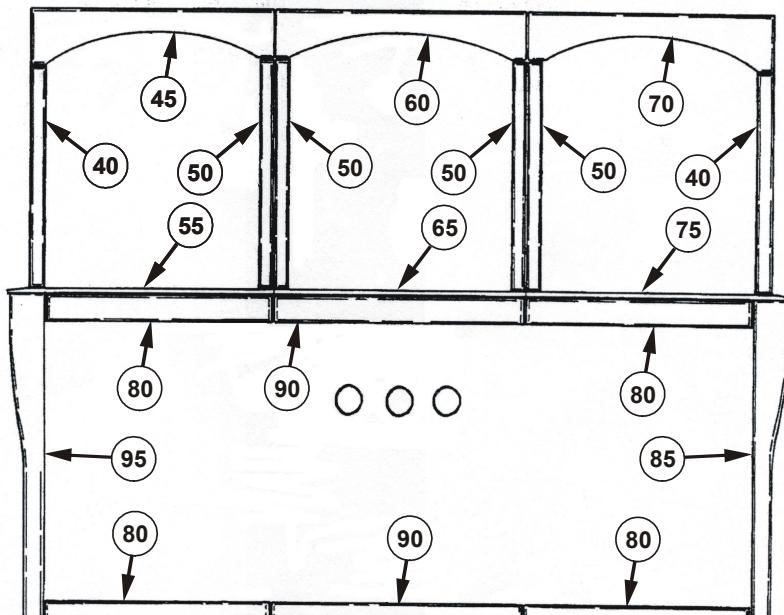


**Figure 9-22. Drip Cap Installation**

ITEM	PART NO.	DESCRIPTION	QTY
5	28-3015 11-3013-1	Drip Cap Installation Drip Cap, Rear	REF 1
10	11-3013-2	Drip Cap, Front	1

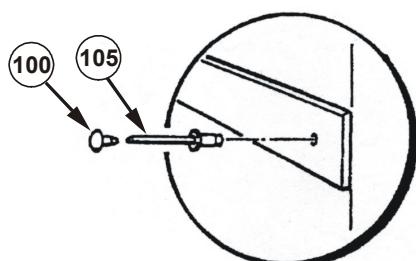


FRONT WINDOW TRIM



REAR WINDOW TRIM

9-23



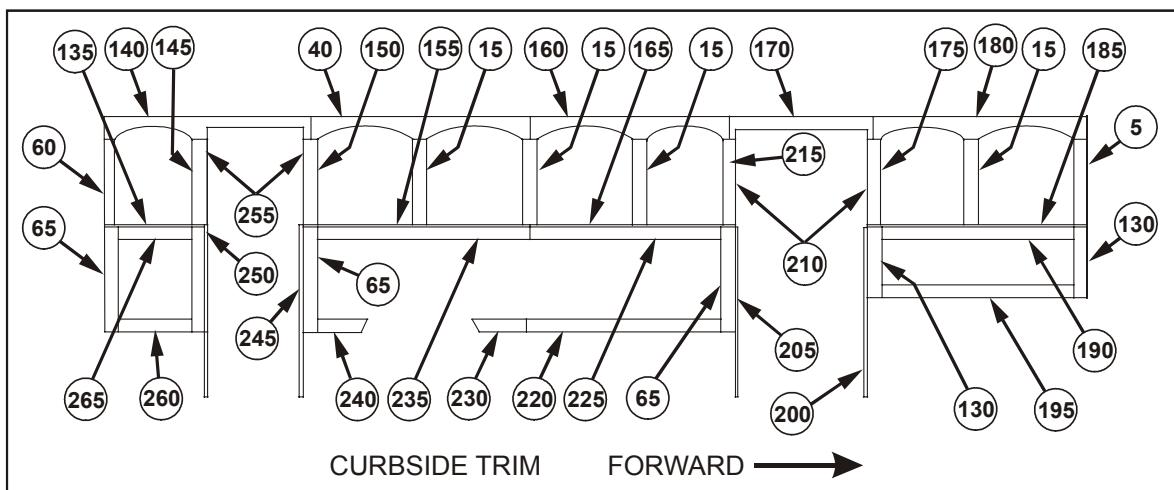
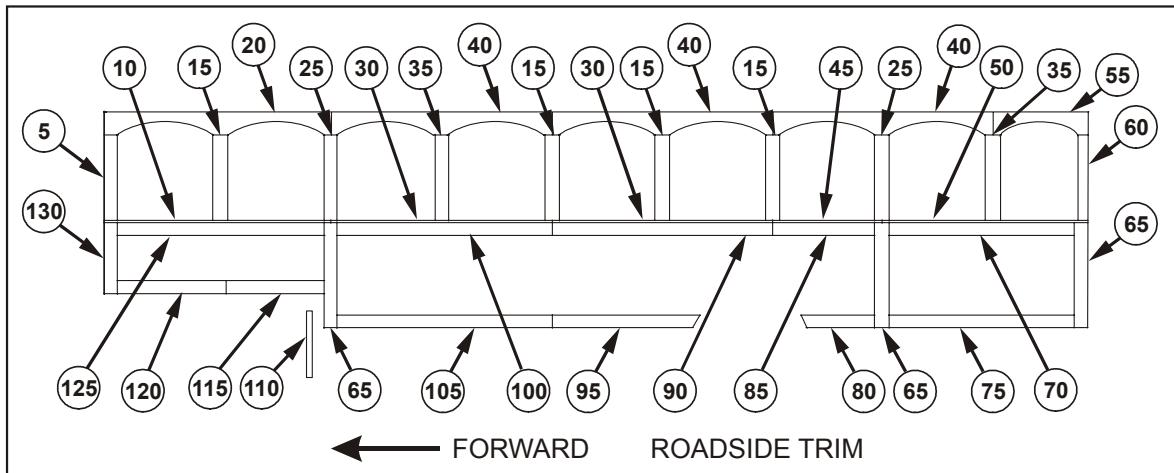
TYPICAL INSTALLATION

**Figure 9-23. Front and Rear Wall Trim**

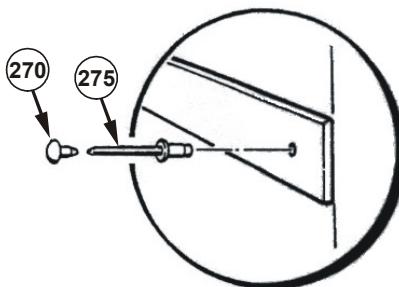
ITEM	PART NO.	DESCRIPTION	QTY
	28-1406	Exterior Wood Trim Installation, Front & Rear Wall	REF
5	11-1439-001	Wood Trim, Curbside Outer Windshield	1
10	11-1439-007	Wood Trim, Curbside Windshield Cornice	1
15	28-1439-004	Wood Trim, Inner Windshield Post	2
20	28-1439-003	Wood Trim, Inner Windshield Post	2
25	11-1439-009	Wood Trim, Center Windshield Cornice	1
30	11-1439-008	Wood Trim, Roadside Windshield Cornice	1
35	11-1439-002	Wood Trim, Roadside Outer Windshield	1
40	28-1431-007	Wood Trim, Vertical Edge	2
45	28-1432-010	Wood Trim, Roadside Cornice	
50	28-1431-008	Wood Trim, Vertical Center Post	4
55	28-1439-006	Wood Trim, Curbside Ledge	1
		*** ATTACHING PARTS ***	
	66428200	Screw, #10 x 1 1/4, Brass	AR
		*** END OF ATTACHING PARTS ***	
60	28-1432-008	Wood Trim, Center Cornice	1
65	28-1439-008	Wood Trim, Center Ledge	1
		*** ATTACHING PARTS ***	
	66428200	Screw, #10 x 1 1/4, Brass	AR
		*** END OF ATTACHING PARTS ***	
70	28-1432-009	Wood Trim, Curbside Cornice	1
75	28-1439-007	Wood Trim, Roadside Ledge	1
		*** ATTACHING PARTS ***	
	66428200	Screw, #10 x 1 1/4, Brass	AR
		*** END OF ATTACHING PARTS ***	
80	28-1430-019	Wood Trim, Horizontal Outer	4
85	28-1421-001	Wood Trim, Curbside End Closeout	1
90	28-1430-020	Wood Trim, Horizontal Center	2

ITEM	PART NO.	DESCRIPTION	QTY
95	28-1421-002	Wood Trim, Roadside End Closeout	1
100	36142200	Rivet Plug, Brass	AR
105	66145500	Rivet, 3/16 x 1	AR

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9-24



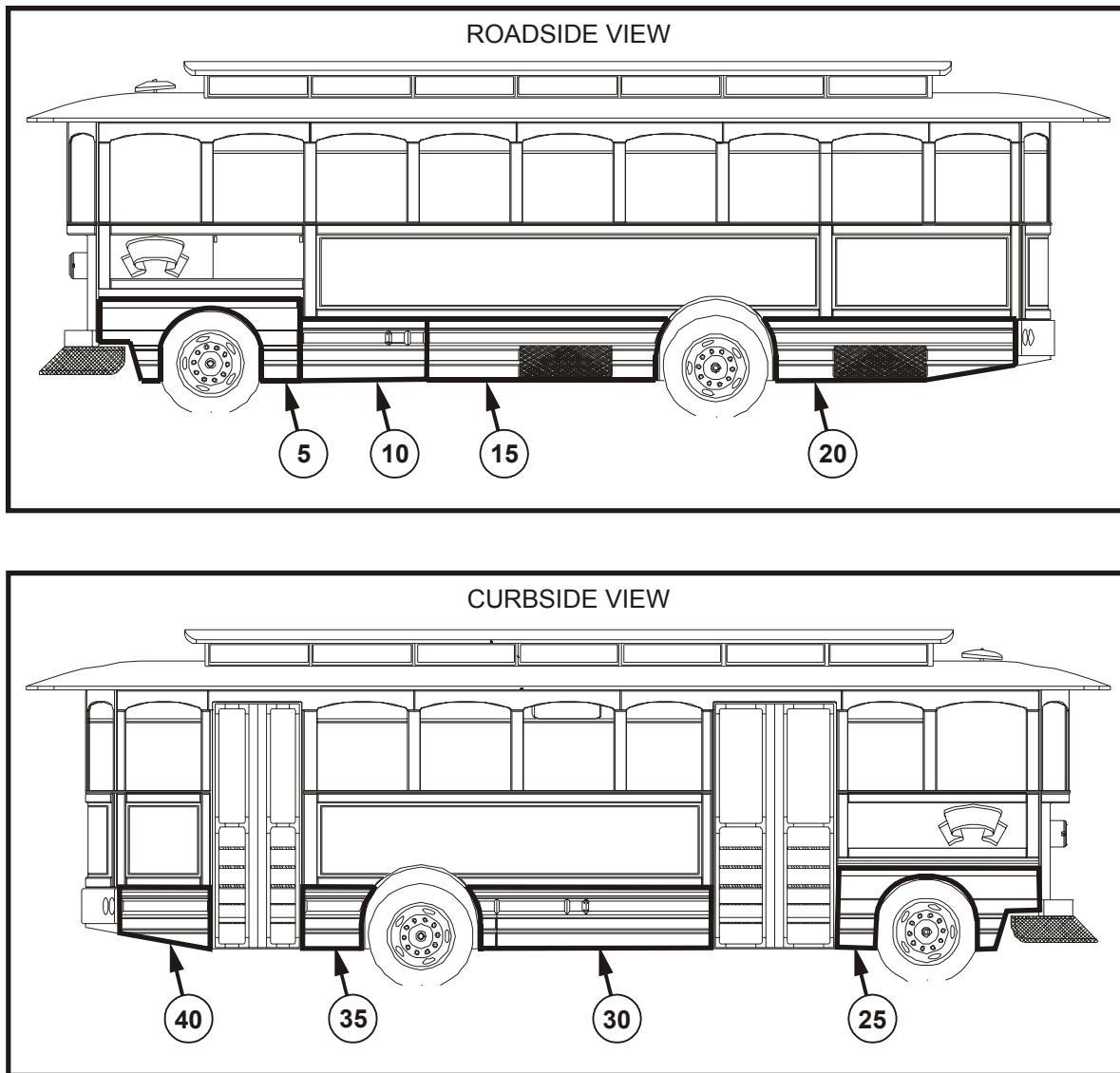
TYPICAL INSTALLATION

Figure 9-24. Roadside And Curbside Trim

ITEM	PART NO.	DESCRIPTION	QTY
	28-1405	Exterior Wood Trim Installation	REF
5	28-1431-001	Wood Trim, Ext Vertical	2
10	28-1434-007	Wood Trim, Ledge	1
15	28-1431-006	Wood Trim, Ext Vertical	8
20	28-1432-005	Wood Trim, Ext Roadside Cornice	1
25	28-1431-011	Wood Trim, Ext Vertical, Fwd Egress Window	2
30	28-1434-006	Wood Trim, Ledge	2
35	28-1431-012	Wood Trim, Ext Vertical, Aft Egress Window	2
40	28-1432-007	Wood Trim, Ext Cornice	4
45	28-1434-002	Wood Trim, Ledge	1
50	28-1434-003	Wood Trim, Ledge	1
55	28-1432-001	Wood Trim, Cornice	1
60	28-1431-005	Wood Trim, Ext Vertical	2
65	11-1433-001	Wood Trim, Vertical	7
70	28-1430-005	Wood Trim, Ext	1
75	28-1430-006	Wood Trim, Ext	1
80	28-1430-026	Wood Trim, Roadside Aft of Rear Tire	1
85	28-1430-003	Wood Trim, Ext	1
90	28-1430-017	Wood Trim, Ext	1
95	28-1430-025	Wood Trim, Roadside Fwd of Rear Tire	1
100	28-1430-013	Wood Trim, Ext	1
105	28-1430-014	Wood Trim, Ext	1
110	28-1430-022	Wood Trim, Ext	1
115	28-1430-012	Wood Trim, Ext	1
120	28-1430-021	Wood Trim, Ext	1
125	28-1430-011	Wood Trim, Ext	1
130	11-1433-002	Wood Trim, Vertical	3
135	28-1434-001	Wood Trim, Ledge	1

ITEM	PART NO.	DESCRIPTION	QTY
140	28-1432-002	Wood Trim, Ext Over Rear Door	1
145	28-1432-004	Wood Trim, Ext Vertical	1
150	28-1431-002	Wood Trim, Ext Vertical	1
155	28-1434-008	Wood Trim, Ledge	1
160	28-1432-006	Wood Trim, Ext Curbside Cornice	1
165	28-1434-004	Wood Trim, Ledge	1
170	28-1432-003	Wood Trim, Ext Over Front Door	1
175	28-1431-003	Wood Trim, Ext Vertical	1
180	28-1432-004	Wood Trim, Ext Curbside Cornice	
185	28-1434-005	Wood Trim, Ledge	1
190	28-1430-007	Wood Trim, Ext	1
195	28-1430-008	Wood Trim, Ext	1
200	25-1420-002	Wood Trim, Front Door Entry, Forward	1
205	25-1420-001	Wood Trim, Front Door Entry, Aft	1
210	28-1431-010	Wood Trim, Ft. Doorway Upper Vertical	2
215	28-1431-009	Wood Trim, Ext Vertical	1
220	28-1430-010	Wood Trim, Ext	1
225	28-1430-009	Wood Trim, Ext	1
230	28-1430-024	Wood Trim, Curbside Forward of Rear Tire	1
235	28-1430-015	Wood Trim, Ext	1
240	28-2430-023	Wood Trim, Curbside Aft of Rear Tire	1
245	28-1420-001	Wood Trim, Rear Door Entry, Forward	1
250	28-1420-002	Wood Trim, Rear Door Entry, Aft	1
255	25-1420-003	Wood Trim, Rear Door Entry, Upper	2
260	28-1430-002	Wood Trim, Ext	1
265	28-1430-001	Wood Trim, Ext	1
270	36142200	Rivet Plug, Brass	AR
275	66145500	Rivet, 3/16 x 1, Aluminum	AR

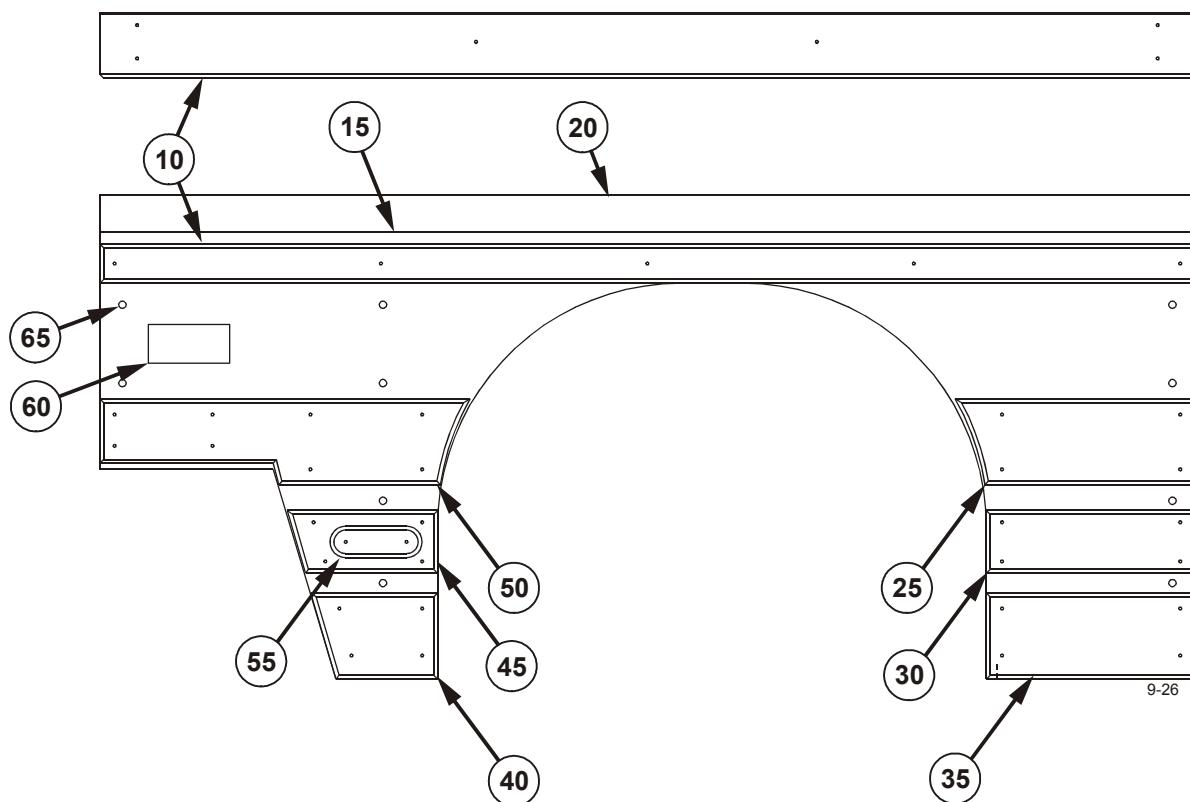
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9-25

**Figure 9-25. Skirt Installation (w/Wood Trim)**

ITEM	PART NO.	DESCRIPTION	QTY
	28-3210B	Skirt Installation	REF
	28-3240	Front Skirt Panel Assemblies	REF
	28-3230	Skirt Subassemblies	REF
5	28-3240-5	Front Skirt Assembly, Incandescent Lights, Roadside (See <a href="#">Figure 9-26</a> for BKDN)	1
	28-3240-6	Front Skirt Assembly, L.E.D. Lights, Roadside (See <a href="#">Figure 9-26</a> for BKDN)	1
10	28-3230-4	Battery Skirt Assembly (See <a href="#">Figure 9-27</a> for BKDN)	1
15	28-3230-6	Forward Skirt Assembly, AC (See <a href="#">Figure 9-28</a> for BKDN)	1
	28-3230-8	Forward Skirt Assembly, Non/AC (See <a href="#">Figure 9-28</a> for BKDN)	1
20	28-3230-7	Rear Skirt Assembly, AC (See <a href="#">Figure 9-29</a> for BKDN)	1
	28-3230-9	Rear Skirt Assembly, Non/AC (See <a href="#">Figure 9-29</a> for BKDN)	1
25	28-3240-1	Front Skirt Assembly, Incandescent Lights, Curbside, (See <a href="#">Figure 9-30</a> for BKDN)	1
	28-3240-2	Front Skirt Assembly, L.E.D. Lights, Curbside, See <a href="#">Figure 9-30</a> for BKDN)	1
30	28-3230-1	Fuel Skirt Assembly, (See <a href="#">Figure 9-31</a> for BKDN)	1
	28-3230-3	Fuel Skirt Assembly with External Speaker, (See <a href="#">Figure 9-31</a> for BKDN)	1
35	28-3230-11	Forward of Aft Door Skirt Assembly, (See <a href="#">Figure 9-32</a> for BKDN)	1
40	28-3230-5	Rear Skirt Assembly, Curbside, (See <a href="#">Figure 9-33</a> for BKDN)	1



**Figure 9-26. Front Skirt Assembly, Incandescent and LED Lights, Roadside**

ITEM	PART NO.	DESCRIPTION	QTY
10	28-3240	Front Skirt Panel Assemblies	REF
	28-1449-2	Wood Trim, Above Wheel Opening	1
		*** ATTACHING PARTS ***	
	11-1459-1	Rivet Cap	5
	66145000	Rivet, 3/16, GR .50 - .63	5
		*** END OF ATTACHING PARTS ***	
15	28-1449-1	Wood Trim, Ledge	1
		*** ATTACHING PARTS ***	
	11-1459-1	Rivet Cap	6
	66150000	Rivet, 3/16, GR .63-.75	6
		*** END OF ATTACHING PARTS ***	
20	28-3223-2	Painted Skirt Assembly	1
25	28-1449-4	Wood Trim, Top R.H.	1
		*** ATTACHING PARTS ***	
	11-1459-1	Rivet Cap	4
	66145000	Rivet, 3/16, GR .50 - .63	4
		*** END OF ATTACHING PARTS ***	
30	28-1449-5	Wood Trim, Center L.H.	1
		*** ATTACHING PARTS ***	
	11-1459-1	Rivet Cap	4
	66145000	Rivet, 3/16, GR .50 - .63	4
		*** END OF ATTACHING PARTS ***	
35	28-1449-13	Wood Trim, Bottom R.H.	1
		*** ATTACHING PARTS ***	
	11-1459-1	Rivet Cap	4
	66145000	Rivet, 3/16, GR .50 - .63	4
		*** END OF ATTACHING PARTS ***	
40	28-1449-12	Wood Trim, Bottom L.H.	1

ITEM	PART NO.	DESCRIPTION	QTY
		*** ATTACHING PARTS ***	
	11-1459-1	Rivet Cap	4
	66145000	Rivet, 3/16, GR .50 - .63	4
		*** END OF ATTACHING PARTS ***	
45	28-1449-10	Wood Trim, Center L.H.	1
		*** ATTACHING PARTS ***	
	11-1459-1	Rivet Cap	4
	66145000	Rivet, 3/16, GR .50 - .63	4
		*** END OF ATTACHING PARTS ***	
50	28-1449-8	Wood Trim, Top, L.H.	1
		*** ATTACHING PARTS ***	
	11-1459-1	Rivet Cap	8
	66145000	Rivet, 3/16, GR .50 - .63	8
		*** END OF ATTACHING PARTS ***	
55	25906000	Amber Reflector	1
		*** ATTACHING PARTS ***	
	66422901	Screw, Wood, #8 x 3/4"	2
		*** END OF ATTACHING PARTS ***	
60		Light Assembly, Incandescent	
		Consisting of:	
	28-7900-5	Incandescent Light Assembly	1
	61116000	Screw, 10-24 x 3/4"	2
	68529800	Flatwasher, #10	2
	64780500	Locknut, 10-24	2
	23160100	Light Guard, Incandescent	1
	61164500	Screw, 10-24 x 3/4"	2
	68529800	Flatwasher, #10	2
	64780500	Locknut, 10-24	2
	23151500	Grommet, 7/16 OD x 3/16 ID x 3/16" Thick	1

ITEM	PART NO.	DESCRIPTION	QTY
65	48002200	Flexguard, 3/8 x 12"	AR
	23496102	Pin Housing, Deutsch, 2 Circuit	1
	28580502	Locking Wedge, Deutsch, 2 Circuit	1
		Light Assembly, LED	
		Consisting of:	
	28-7915-8	LED Light Assembly	1
	23159900	Light Guard	1
	61116700	Screw, 10-24 x 1.5"	4
	68529800	Flatwasher, #10	4
	64780500	Locknut, 10-24	4
	27536400	Skirt Stud	AR
	26130100	Snap Ring	AR
	23151700	Grommet	AR

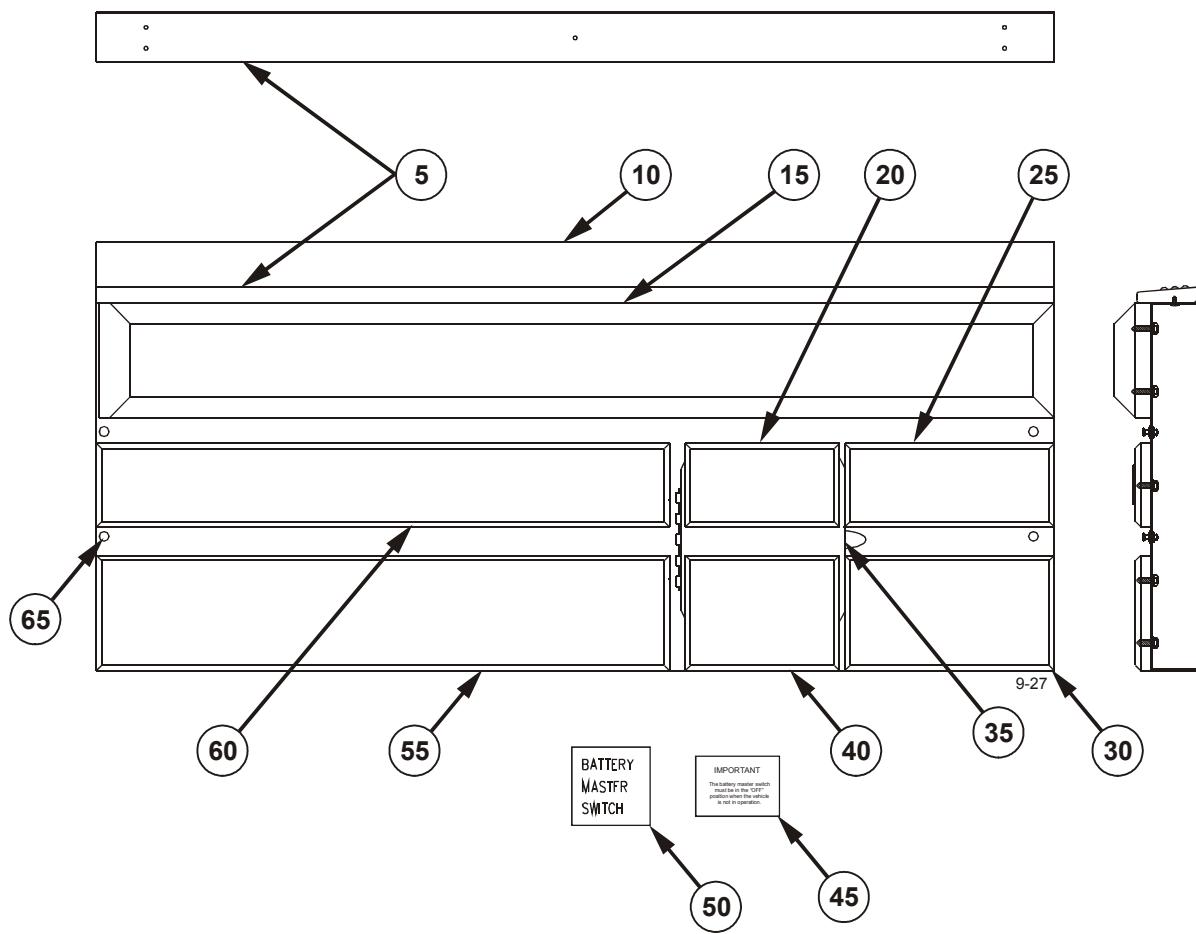
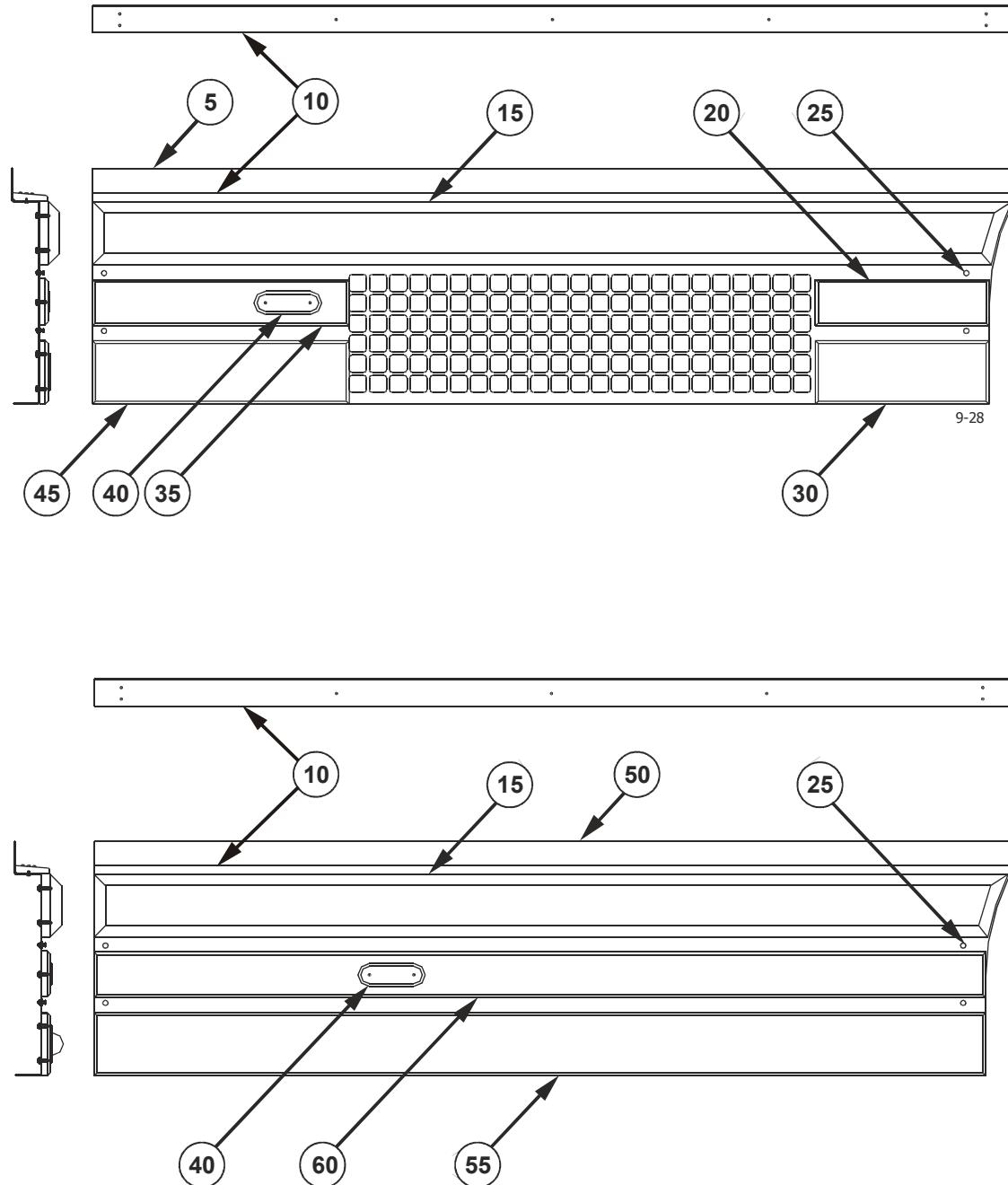


Figure 9-27. Battery Skirt Assembly

ITEM	PART NO.	DESCRIPTION	QTY
	28-3230-4	Skirt Assemblies	REF
	28-3223-4	Battery Skirt Assembly	REF
5	28-1444-4	Skirt Trim, Ledge	1
		*** ATTACHING PARTS ***	
	66145500	Rivet, 3/16"	5
	11-1459-1	Rivet Cap	5
		*** END OF ATTACHING PARTS ***	
10	28-3223-15	Battery Skirt	1
15	28-1442-6	Skirt Trim, Top	1
		*** ATTACHING PARTS ***	
	66435100	Screw, #14 x 1"	6
		*** END OF ATTACHING PARTS ***	
20	28-1443-5	Skirt Trim, Center	1
		*** ATTACHING PARTS ***	
	66434500	Screw, #14 x 3/4"	AR
		*** END OF ATTACHING PARTS ***	
25	28-1443-6	Skirt Trim, Center R.H.	1
		*** ATTACHING PARTS ***	
	66434500	Screw, #14 x 3/4"	AR
		*** END OF ATTACHING PARTS ***	
30	28-1443-19	Skirt Trim, Bottom R.H.	1
		*** ATTACHING PARTS ***	
	66434500	Screw, #14 x 3/4"	AR
		*** END OF ATTACHING PARTS ***	
35	29-3219-1	Battery Door	1
		*** ATTACHING PARTS ***	
	66148000	Rivet, 3/16 x (GR .125-.25)	4
	66138000	Rivet Cap, 3/16	4

ITEM	PART NO.	DESCRIPTION	QTY
40	28-1443-18	*** END OF ATTACHING PARTS *** Skirt Trim, Center Bottom *** ATTACHING PARTS *** 66434500 Screw, #14 x 3/4"	1 AR
45	22196102	Decal, Battery Switch Must Be OFF	1
50	22196101	Decal, Battery Master Switch	1
55	28-1443-17	Skirt Trim, Bottom L.H. *** ATTACHING PARTS *** 66434500 Screw, #14 x 3/4" *** END OF ATTACHING PARTS ***	1 AR
60	28-1443-4	Skirt Trim, Center, L.H. *** ATTACHING PARTS *** 66434500 Screw, #14 x 3/4" *** END OF ATTACHING PARTS ***	AR
65	27536400	Skirt Stud	4
	26130100	Snap Ring	4
	23151700	Grommet	4

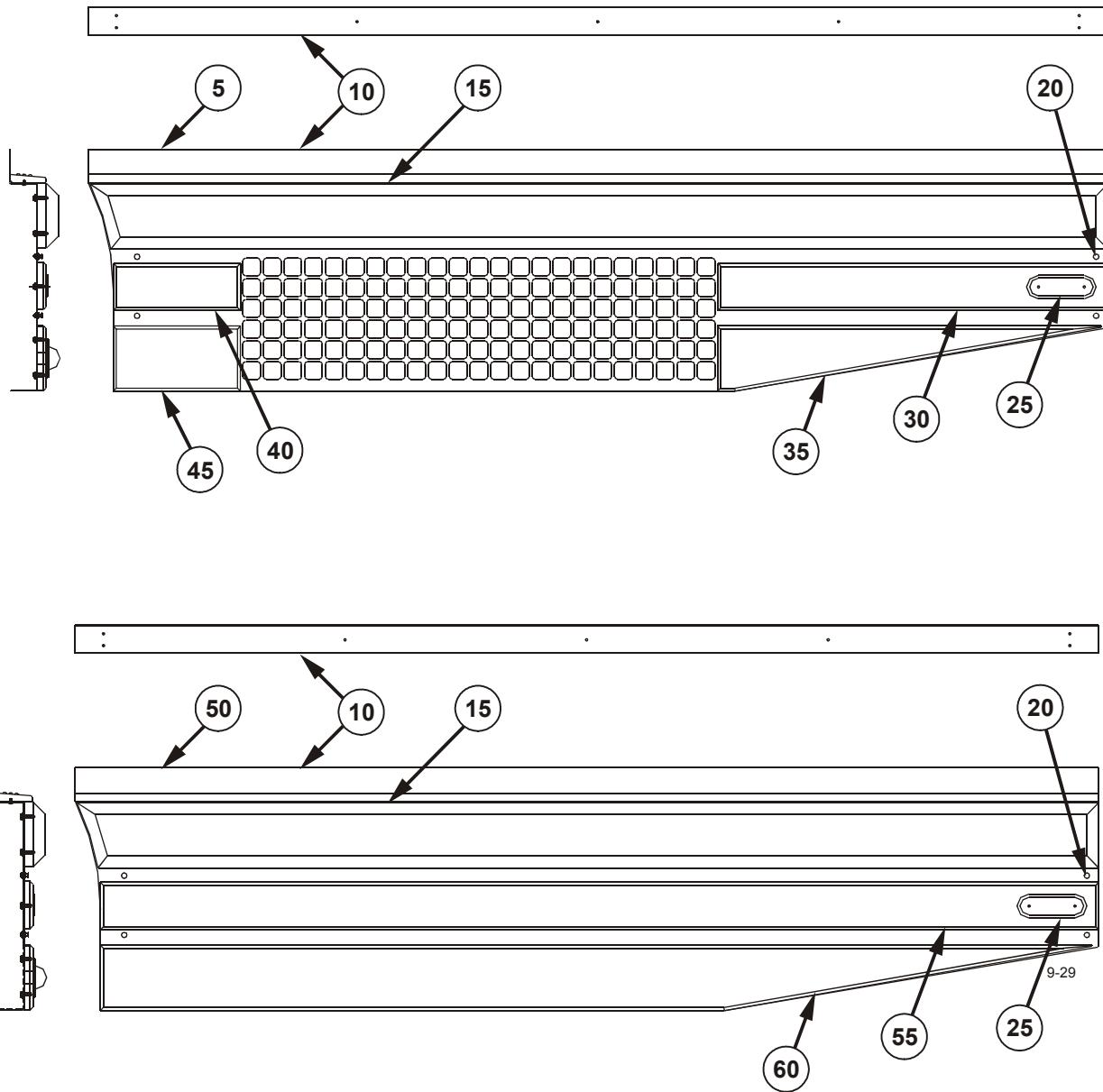
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**Figure 9-28. Forward Skirt Assembly**

ITEM	PART NO.	DESCRIPTION	QTY
	28-3230-6	Skirt Assemblies	REF
5	28-3223-6	Forward A/C Skirt	1
10	28-1444-11	Skirt Trim, Ledge	1
		*** ATTACHING PARTS ***	
	66145500	Rivet, 3/16"	7
	11-1459-1	Rivet Cap	7
		*** END OF ATTACHING PARTS ***	
15	28-1442-5	Skirt Trim, Top	1
		*** ATTACHING PARTS ***	
	66434500	Screw, #14 x 3/4"	AR
		*** END OF ATTACHING PARTS ***	
20	28-1443A-3	Skirt Trim, Center, R.H.	1
		*** ATTACHING PARTS ***	
	66434500	Screw, #14 x 3/4"	AR
		*** END OF ATTACHING PARTS ***	
25	27536400	Skirt Stud	4
	26130100	Snap Ring	4
	23151700	Grommet	4
30	28-1443A-9	Skirt Trim, Bottom, R.H.	1
		*** ATTACHING PARTS ***	
	66434500	Screw, #14 x 3/4"	AR
		*** END OF ATTACHING PARTS ***	
35	28-1443A-15	Skirt Trim, Center, L.H.	1
		*** ATTACHING PARTS ***	
	66434500	Screw, #14 x 3/4"	AR
		*** END OF ATTACHING PARTS ***	
40	25906000	Reflector	1
		*** ATTACHING PARTS ***	

ITEM	PART NO.	DESCRIPTION	QTY
	66422901	Screw, #8 x 3/4"	2
		*** END OF ATTACHING PARTS ***	
45	28-1443A-13	Skirt Trim, Bottom, L.H.	1
		*** ATTACHING PARTS ***	
	66434500	Screw, #14 x 3/4"	AR
		*** END OF ATTACHING PARTS ***	
50	28-3223-12	Forward Non/AC Skirt	1
55	28-1443A-10	Skirt Trim, Bottom	1
		*** ATTACHING PARTS ***	
	66434500	Screw, #14 x 3/4"	AR
		*** END OF ATTACHING PARTS ***	
60	28-1443A-4	Skirt Trim, Center	1
		*** ATTACHING PARTS ***	
	66434500	Screw, #14 x 3/4"	AR
		*** END OF ATTACHING PARTS ***	

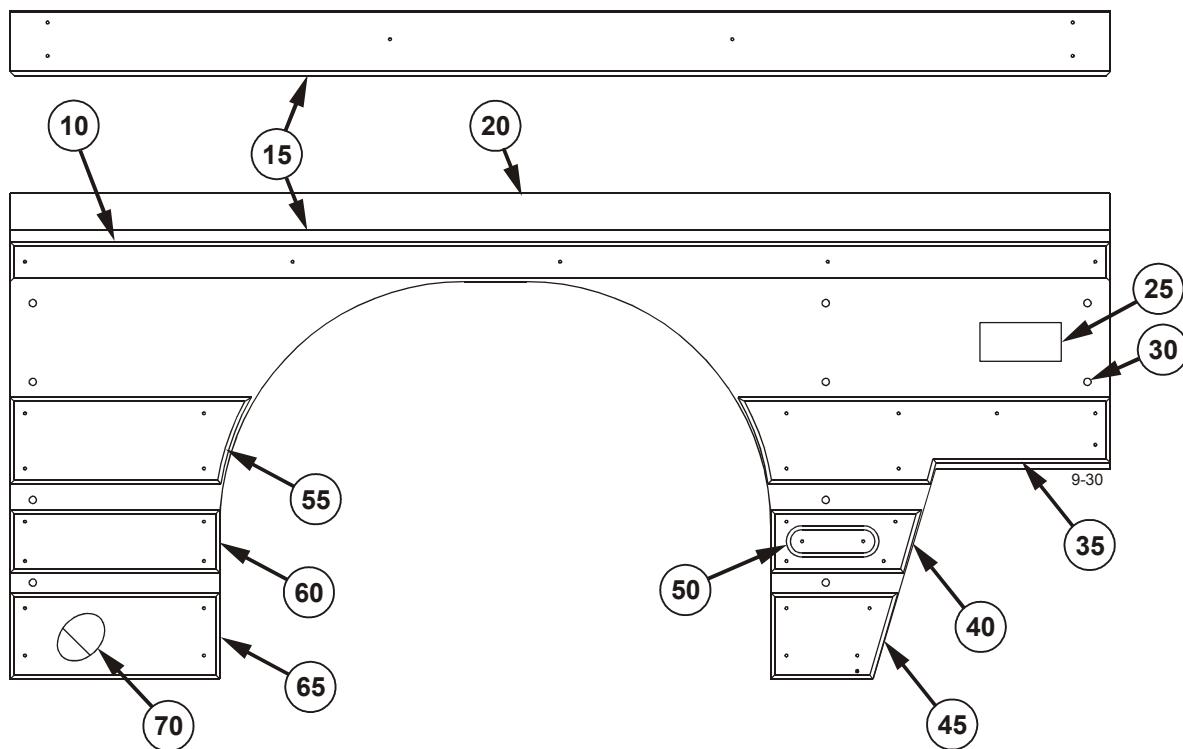
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**Figure 9-29. Rear Skirt Assembly**

ITEM	PART NO.	DESCRIPTION	QTY
	28-3230-6	Skirt Assemblies	REF
5	28-3223-7	Rear A/C Skirt Assembly	1
10	28-1444-12	Skirt Trim, Ledge	1
15	28-1442A-3	Skirt Trim, Top	1
20	27536400	Skirt Stud	4
	26130100	Snap Ring	4
	23151700	Grommet	4
25	25906001	Red Reflector	1
		*** ATTACHING PARTS ***	
	66422901	Screw, #8 x 3/4"	2
		*** END OF ATTACHING PARTS ***	
30	28-1443-11	Skirt Trim, Center R.H.	1
		*** ATTACHING PARTS ***	
	66434500	Screw, #14 x 3/4"	AR
		*** END OF ATTACHING PARTS ***	
35	28-1443-24	Skirt Trim, Bottom R.H.	1
		*** ATTACHING PARTS ***	
	66434500	Screw, #14 x 3/4"	AR
		*** END OF ATTACHING PARTS ***	
40	28-1443A-16	Skirt Trim, Center L.H.	1
		*** ATTACHING PARTS ***	
	66434500	Screw, #14 x 3/4"	AR
		*** END OF ATTACHING PARTS ***	
45	28-1443A-14	Skirt Trim, L.H.	1
		*** ATTACHING PARTS ***	
	66434500	Screw, #14 x 3/4"	AR
		*** END OF ATTACHING PARTS ***	
50	28-3223-8	Rear Non/AC Skirt	1

ITEM	PART NO.	DESCRIPTION	QTY
55	28-1443A-6 66434500	Skirt Trim, Center *** ATTACHING PARTS *** Screw, #14 x 3/4" *** END OF ATTACHING PARTS ***	1 AR
60	28-1443A-12 66434500	Skirt Trim, Bottom *** ATTACHING PARTS *** Screw, #14 x 3/4" *** END OF ATTACHING PARTS ***	1 AR

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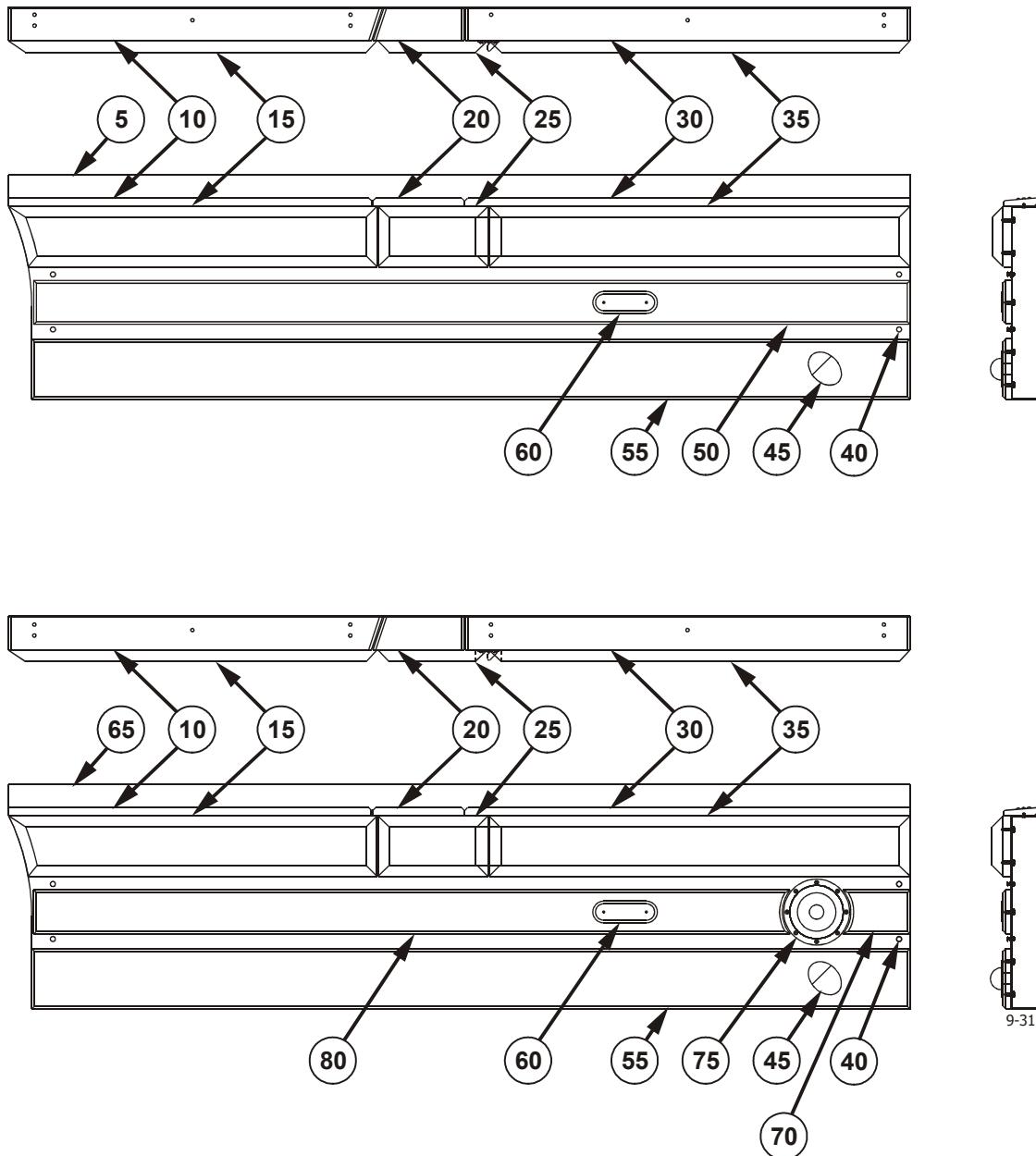


**Figure 9-30. Front Skirt Assembly, Curbside**

ITEM	PART NO.	DESCRIPTION	QTY
10	28-3240	Front Skirt Panel Assembly	REF
	28-1449-2	Wood Trim, Above Wheel Opening	1
		*** ATTACHING PARTS ***	
	11-1459-1	Rivet Cap	5
	66145000	Rivet, 3/16, GR .50 - .63	5
		*** END OF ATTACHING PARTS ***	
15	28-1449-1	Wood Trim, Ledge	1
		*** ATTACHING PARTS ***	
	11-1459-1	Rivet Cap	6
	66150000	Rivet, 3/16, GR .63-.75	6
		*** END OF ATTACHING PARTS ***	
20	28-3223-1	Painted Skirt Assembly	1
25		Light Assembly, Incandescent	
		Consisting of:	
	28-7900-5	Incandescent Light Assembly	1
	61116000	Screw, 10-24 x 3/4"	2
	68529800	Flatwasher, #10	2
	64780500	Locknut, 10-24	2
	23160100	Light Guard, Incandescent	1
	61164500	Screw, 10-24 x 3/4"	2
	68529800	Flatwasher, #10	2
	64780500	Locknut, 10-24	2
	23151500	Grommet, 7/16 OD x 3/16 ID x 3/16" Thick	1
	48002200	Flexguard, 3/8 x 12"	AR
	23496102	Pin Housing, Deutsch, 2 Circuit	1
	28580502	Locking Wedge, Deutsch, 2 Circuit	1
		Light Assembly, LED	

ITEM	PART NO.	DESCRIPTION	QTY
		Consisting of:	
	28-7915-8	LED Light Assembly	1
	23159900	Light Guard	1
	61116700	Screw, 10-24 x 1.5"	4
	68529800	Flatwasher, #10	4
	64780500	Locknut, 10-24	4
30	27536400	Skirt Stud	AR
	26130100	Snap Ring	AR
	23151700	Grommet	AR
35	28-1449-7	Wood Trim, Top R.H.	1
		*** ATTACHING PARTS ***	
	11-1459-1	Rivet Cap	8
	66145000	Rivet, 3/16, GR .50 - .63	8
		*** END OF ATTACHING PARTS ***	
40	28-1449-9	Wood Trim, Center R.H.	1
		*** ATTACHING PARTS ***	
	11-1459-1	Rivet Cap	4
	66145000	Rivet, 3/16, GR .50 - .63	4
		*** END OF ATTACHING PARTS ***	
45	28-1449-11	Wood Trim, Bottom R.H.	1
		*** ATTACHING PARTS ***	
	11-1459-1	Rivet Cap	4
	66145000	Rivet, 3/16, GR .50 - .63	4
		*** END OF ATTACHING PARTS ***	
50	25906000	Amber Reflector	1
		*** ATTACHING PARTS ***	
	66422901	Screw, Wood, #8 x 3/4"	2
		*** END OF ATTACHING PARTS ***	
55	28-1449-3	Wood Trim, Top L.H.	1

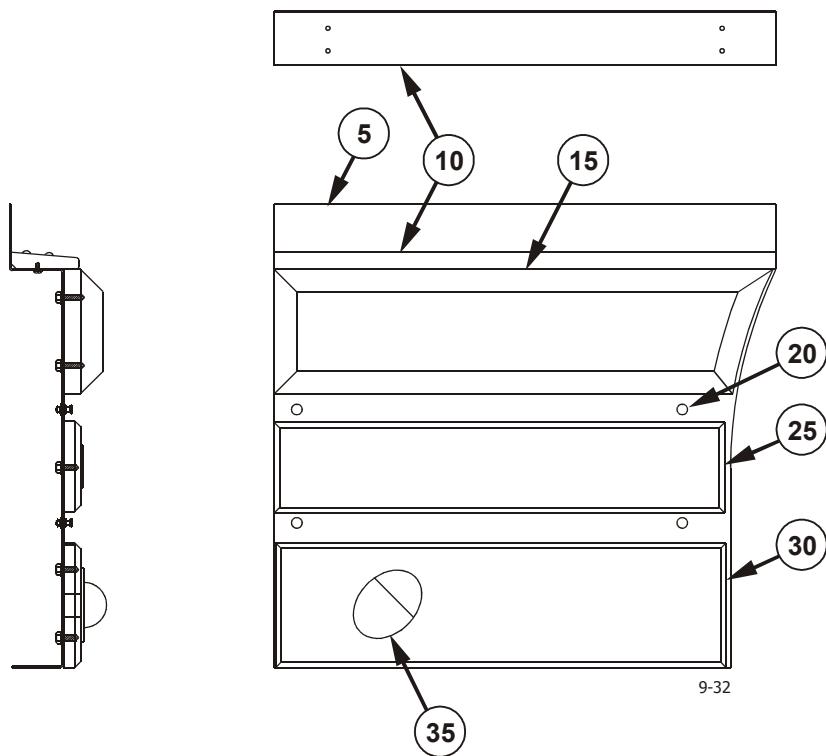
ITEM	PART NO.	DESCRIPTION	QTY
		*** ATTACHING PARTS ***	
	11-1459-1	Rivet Cap	4
	66145000	Rivet, 3/16, GR .50 - .63	4
		*** END OF ATTACHING PARTS ***	
60	28-1449-5	Wood Trim, Center L.H.	1
		*** ATTACHING PARTS ***	
	11-1459-1	Rivet Cap	4
	66145000	Rivet, 3/16, GR .50 - .63	4
		*** END OF ATTACHING PARTS ***	
65	28-1449-6	Wood Trim, Bottom L.H.	1
		*** ATTACHING PARTS ***	
	11-1459-1	Rivet Cap	4
	66145000	Rivet, 3/16, GR .50 - .63	4
		*** END OF ATTACHING PARTS ***	
70	28-7900-8	Step Light Assembly	1
		*** ATTACHING PARTS ***	
	61164600	Screw, 10-24 x 1"	2
	68529800	Flatwasher, #10	4
	64780500	Locknut, 10-24	2
		*** END OF ATTACHING PARTS ***	

**Figure 9-31. Fuel Skirt Assembly**

ITEM	PART NO.	DESCRIPTION	QTY
	28-3230	Skirt Panel Assemblies	REF
5	28-3223-9	Diesel Fuel Skirt	1
10	11-1444-15	Skirt Trim, Ledge	1
15	28-1442A-1	Skirt Trim, Top	1
		*** ATTACHING PARTS ***	
	66435100	Screw, #14 x 1"	AR
		*** END OF ATTACHING PARTS ***	
20	11-1444-13	Skirt Trim, Ledge	1
25	11-1451-6	Fuel Door Trim	1
		*** ATTACHING PARTS ***	
	66435100	Screw, #14 x 1"	AR
		*** END OF ATTACHING PARTS ***	
30	28-1444-8	Skirt Trim, Ledge	1
35	28-1442-10	Skirt Trim, Top	1
		*** ATTACHING PARTS ***	
	66435100	Screw, #14 x 1"	AR
		*** END OF ATTACHING PARTS ***	
40	27536400	Skirt Stud	AR
	26130100	Snap Ring	AR
	23151700	Grommet	AR
45	28-7900-8	Step Light Assembly	1
		*** ATTACHING PARTS ***	
	61164600	Screw, 10-24 x 1"	2
	68529800	Flatwasher, #10	4
	64780500	Locknut, 10-24	2
		*** END OF ATTACHING PARTS ***	
50	28-1443A-1	Skirt Trim, Center	1
		*** ATTACHING PARTS ***	

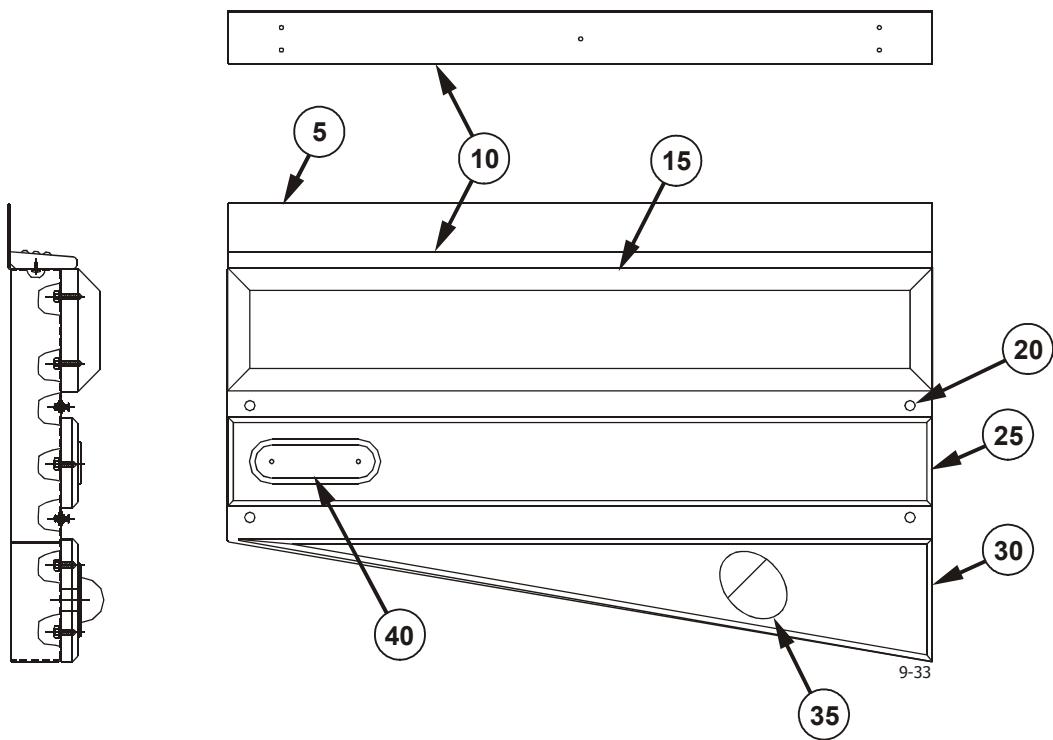
ITEM	PART NO.	DESCRIPTION	QTY
	66434500	Screw, #14 x 3/4"	AR
		*** END OF ATTACHING PARTS ***	
55	28-1443A-7	Skirt Trim, Bottom	1
		*** ATTACHING PARTS ***	
	66434500	Screw, #14 x 3/4"	AR
		*** END OF ATTACHING PARTS ***	
60	25906000	Amber Reflector	1
		*** ATTACHING PARTS ***	
	66422901	Screw, Wood, #8 x 3/4"	2
		*** END OF ATTACHING PARTS ***	
65	28-3223-13	Diesel Fuel Skirt w/Ext. Speaker hole	1
70	28-1443S-1	Common Speaker Skirt Board	1
		*** ATTACHING PARTS ***	
	66434500	Screw, #14 x 3/4"	AR
		*** END OF ATTACHING PARTS ***	
75	24-7253-2	Ext. Speaker Assembly	1
		*** ATTACHING PARTS ***	
	61166400	Screw, 10-24 x 1 1/4"	2
	68529800	Flatwasher, 3/16"	4
	64780500	Locknut, 10-24	2
		*** END OF ATTACHING PARTS ***	
80	28-1443S-2	Fuel Skirt Ext. Speaker Board	1
		*** ATTACHING PARTS ***	
	66434500	Screw, #14 x 3/4"	AR
		*** END OF ATTACHING PARTS ***	

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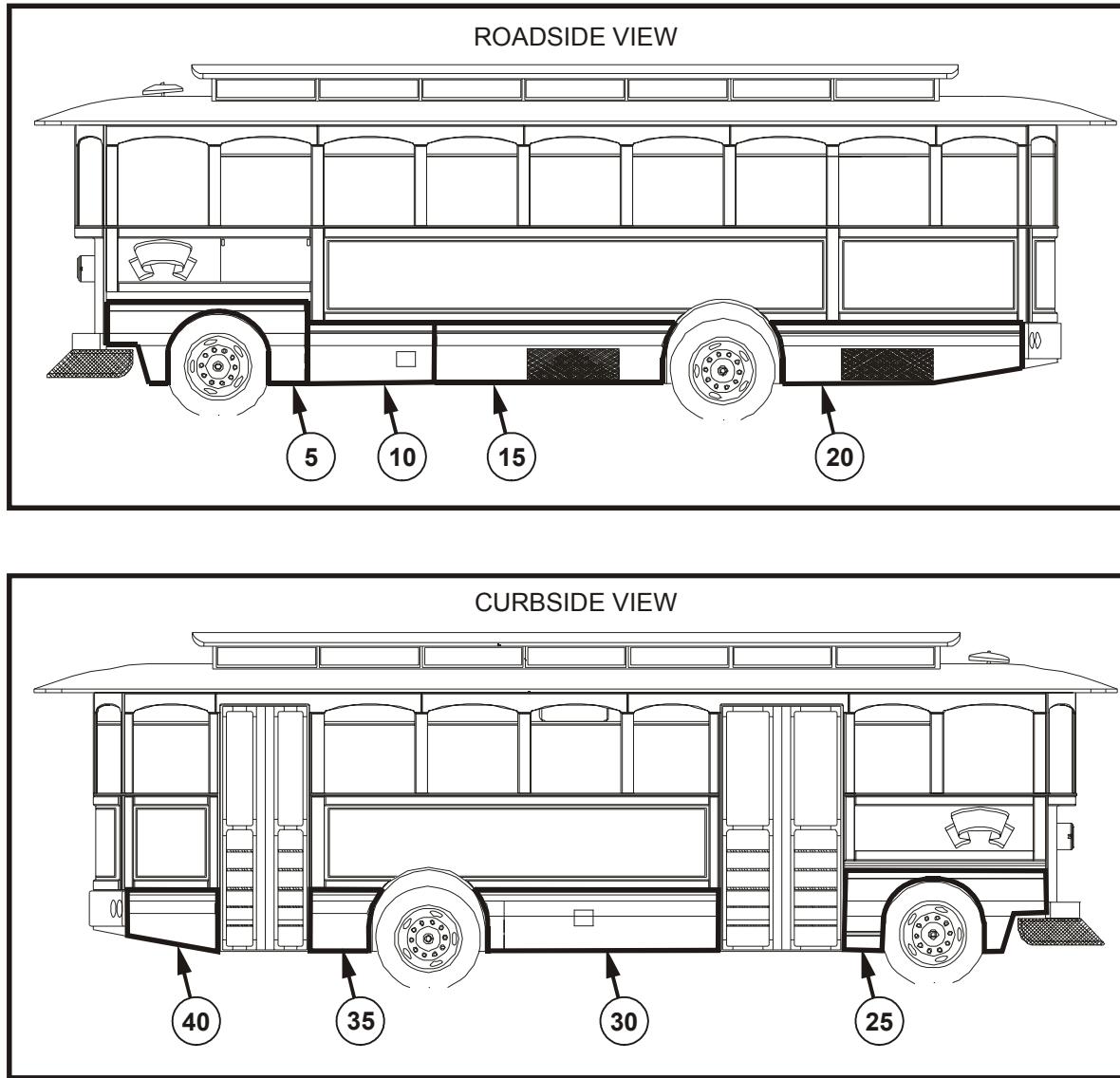
**Figure 9-32. Forward of Aft Door Skirt Assembly**

ITEM	PART NO.	DESCRIPTION	QTY
	28-3230	Skirt Panel Assemblies	REF
5	28-3223-11	Fwd. Of Aft Door Skirt	1
10	28-1444-10	Skirt Trim, Ledge	1
15	28-1442A-4	Skirt Trim, Top	1
20	27536400	Skirt Stud	AR
	26130100	Snap Ring	AR
	23151700	Grommet	AR
25	28-1443A-2	Skirt Trim, Center	1
30	28-1443A-8	Skirt Trim, Bottom	1
35	28-7900-8	Step Light Assembly	1
		*** ATTACHING PARTS ***	
	61164600	Screw, 10-24 x 1"	2
	68529800	Flatwasher, #10	4
	64780500	Locknut, 10-24	2
		*** END OF ATTACHING PARTS ***	



**Figure 9-33. Rear Skirt Assembly, Curbside**

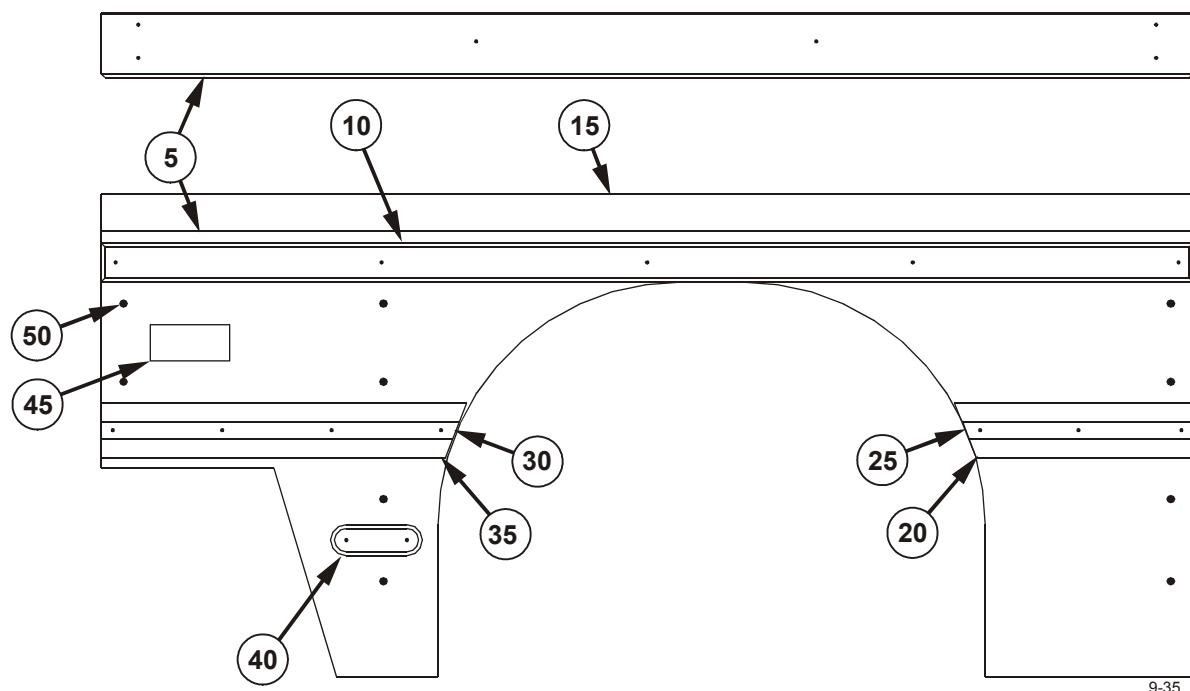
ITEM	PART NO.	DESCRIPTION	QTY
	28-3230	Skirt Panel Assemblies	REF
5	28-3223-5	C.S. Rear Skirt	1
10	28-1444-3	Skirt Trim, Ledge	1
15	28-1442-5	Skirt Trim, Top	1
20	27536400	Skirt Stud	AR
	26130100	Snap Ring	AR
	23151700	Grommet	AR
25	28-1443-3	Skirt Trim, Center	1
30	28-1443-16	Skirt Trim, bottom	1
35	28-7900-8	Step Light Assembly	1
		*** ATTACHING PARTS ***	
	61164600	Screw, 10-24 x 1"	2
	68529800	Flatwasher, #10	4
	64780500	Locknut, 10-24	2
		*** END OF ATTACHING PARTS ***	
40	25906000	Amber Reflector	1
		*** ATTACHING PARTS ***	
	66422901	Screw, Wood, #8 x 3/4"	2
		*** END OF ATTACHING PARTS ***	



9-34

**Figure 9-34. Skirt Installation, Non-Wood**

ITEM	PART NO.	DESCRIPTION	QTY
	28-3210S	Skirt Installation	REF
	28-3220S	Skirt Assemblies, Non-Wood	REF
5	28-3221S-3	Front Skirt Assembly, Incandescent Lights, Roadside (See <a href="#">Figure 9-35</a> for BKDN)	1
	28-3220S-2	Front Skirt Assembly, L.E.D. Lights, Roadside (See <a href="#">Figure 9-35</a> for BKDN)	1
10	28-3220S-3	Battery Skirt Assembly (See <a href="#">Figure 9-36</a> for BKDN)	1
15	28-3220S-7	Forward Skirt Assembly, AC (See <a href="#">Figure 9-37</a> for BKDN)	1
20	28-3220S-8	Rear Skirt Assembly, AC (See <a href="#">Figure 9-38</a> for BKDN)	1
25	28-3220S-13	Front Skirt Assembly, Incandescent Lights, Curbside, (See <a href="#">Figure 9-39</a> for BKDN)	1
	28-3220S-1	Front Skirt Assembly, L.E.D. Lights, Curbside, See <a href="#">Figure 9-39</a> for BKDN)	1
30	28-3230S-10	Fuel Skirt Assembly, (See <a href="#">Figure 9-40</a> for BKDN)	1
	28-3220S-12	Fuel Skirt Assembly with External Speaker, (See <a href="#">Figure 9-40</a> for BKDN)	1
35	28-3220S-6	Forward of Aft Door Skirt Assembly, (See <a href="#">Figure 9-41</a> for BKDN)	1
40	28-3220S-4	Rear Skirt Assembly, Curbside, (See <a href="#">Figure 9-42</a> for BKDN)	1

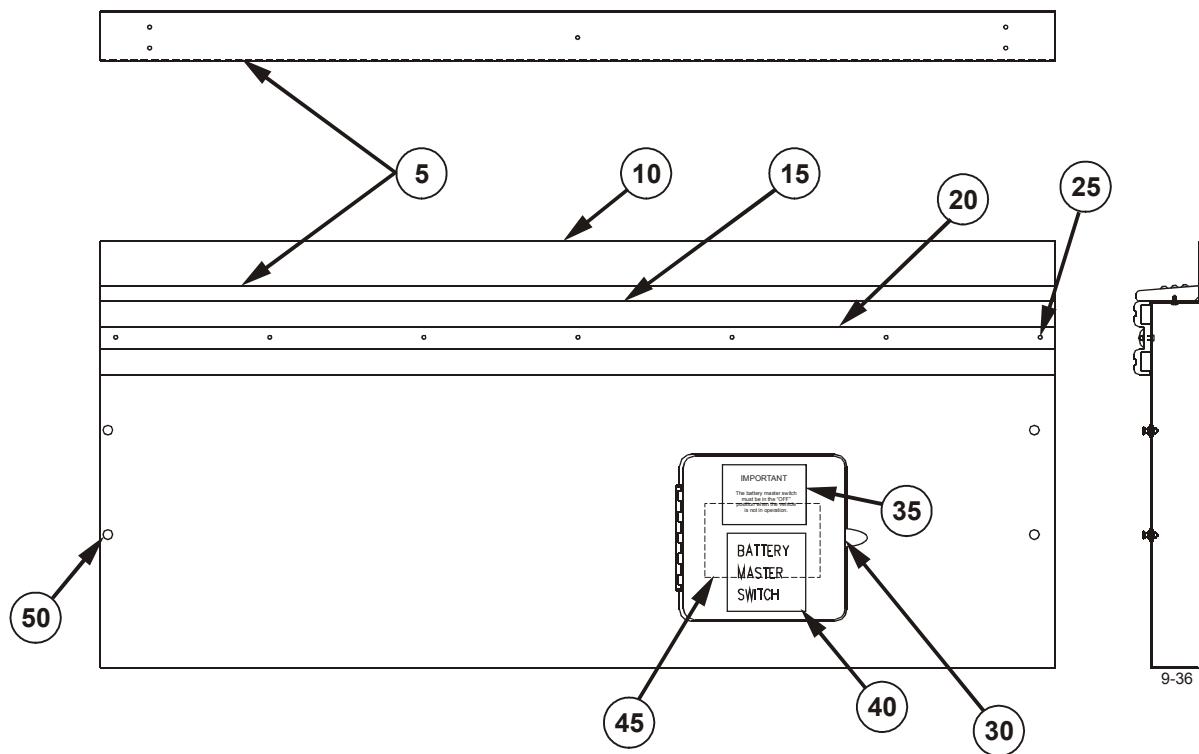


**Figure 9-35. Front Skirt Assembly, Incandescent and LED Lights, Roadside**

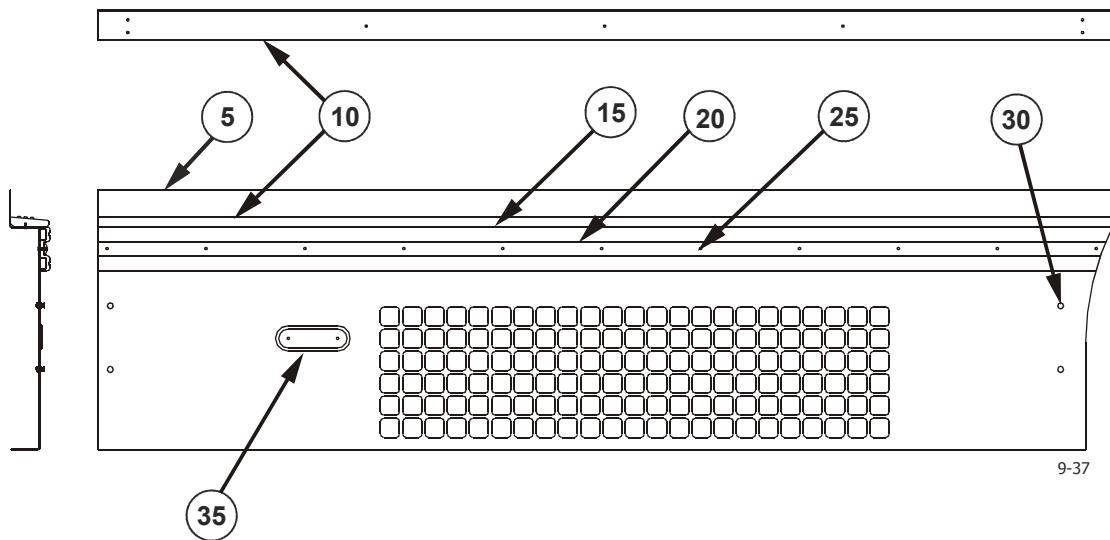
ITEM	PART NO.	DESCRIPTION	QTY
5	28-3210S	Skirt Installation	REF
	28-3220S	Skirt Assemblies, Non-Wood	REF
	28-1449-1	Ledge Board	1
		*** ATTACHING PARTS ***	
	11-1459-1	Rivet Cap	6
	66150000	Rivet, 3/16, GR .50 - .63	6
10		*** END OF ATTACHING PARTS ***	
	28-1449-2	Front Side Board	1
		*** ATTACHING PARTS ***	
	11-1459-1	Rivet Cap	5
	66145000	Rivet, 3/16, GR .50 - .63	5
		*** END OF ATTACHING PARTS ***	
15	28-3223-2	Painted Skirt Assembly	1
20	28-1662-2	Front Skirt Rub Rail, Aft	1
25	28-1662-13	Rub Rail Trim	1
30	28-1662-15	Rub Rail Trim	1
35	28-1662-4	Front Skirt Rub Rail, Forward	1
40	25906000	Amber Reflector	1
		*** ATTACHING PARTS ***	
	66432403	Screw, 8-32 x 5/8"	2
	68529000	Flatwasher, #8	2
	64780400	Locknut, 8-32	2
		*** END OF ATTACHING PARTS ***	
45		Light Assembly, Incandescent	
		Consisting of:	
	28-7900-5	Incandescent Light Assembly	1
	61164500	Screw, 10-24 x 3/4"	2
	68529800	Flatwasher, #10	2

ITEM	PART NO.	DESCRIPTION	QTY
	64780500	Locknut, 10-24	2
	23160100	Light Guard, Incandescent	1
	61164500	Screw, 10-24 x 3/4"	2
	68529800	Flatwasher, #10	2
	64780500	Locknut, 10-24	2
	23151500	Grommet, 7/16 OD x 3/16 ID x 3/16" Thick	1
	48002200	Flexguard, 3/8 x 12"	AR
	23496102	Pin Housing, Deutsch, 2 Circuit	1
	28580502	Locking Wedge, Deutsch, 2 Circuit	1
		Light Assembly, LED	
		Consisting of:	
	28-7915-8	LED Light Assembly	1
	23159900	Light Guard	1
	61116700	Screw, 10-24 x 1.5"	4
	68529800	Flatwasher, #10	4
	64780500	Locknut, 10-24	4
50	27536400	Skirt Stud	AR
	26130100	Snap Ring	AR
	23151700	Grommet	AR

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**Figure 9-36. Battery Skirt Assembly**

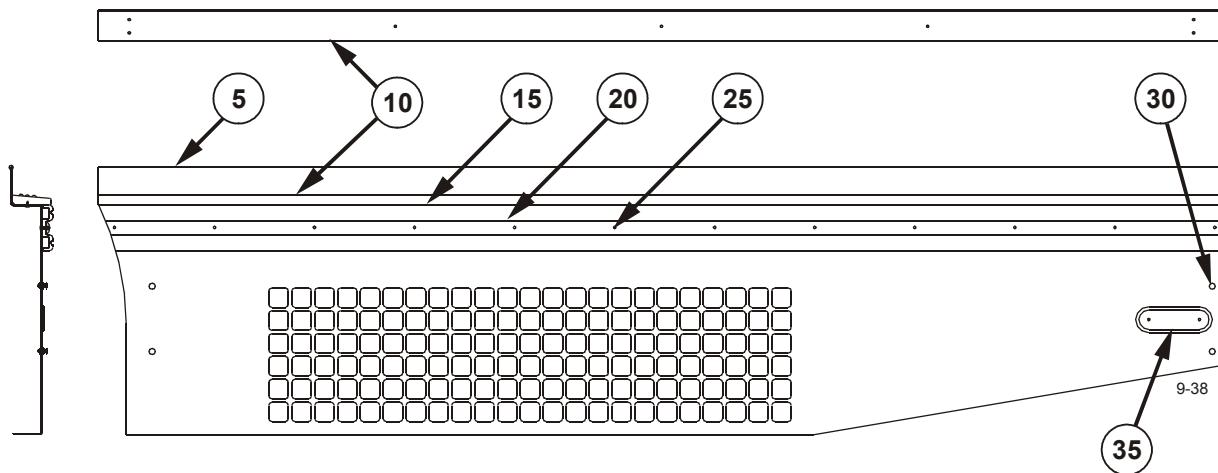
ITEM	PART NO.	DESCRIPTION	QTY
	28-3220S	Skirt Assembly (Non-Wood Skirts)	REF
	28-3222S	Side Skirt Details	REF
5	28-1444-4	Skirt Trim, Ledge	1
		*** ATTACHING PARTS ***	
	66155000	Rivet, 3/16"	5
	11-1459-1	Rivet Cap	5
		*** END OF ATTACHING PARTS ***	
10	28-3222S-3	Battery Skirt	1
15	28-1662-9	Battery Skirt Rub Rail	1
20	28-1662-19	Rub Rail Trim	1
25	66145000	Rivet, 3/16 x (.50-.63 GR)	7
30	29-3219-1	Battery Door	1
		*** ATTACHING PARTS ***	
	66148000	Rivet, 3/16 x (GR .125-.25)	4
	66138000	Rivet Cap, 3/16	4
		*** END OF ATTACHING PARTS ***	
35	22196102	Decal, Battery Switch Must Be OFF	1
40	22196101	Decal, Battery Master Switch	1
45	28-1976-1	Decal, Caution, Battery Switch May Be Damaged	1
50	27536400	Skirt Stud	4
	26130100	Snap Ring	4
	23151700	Grommet	4



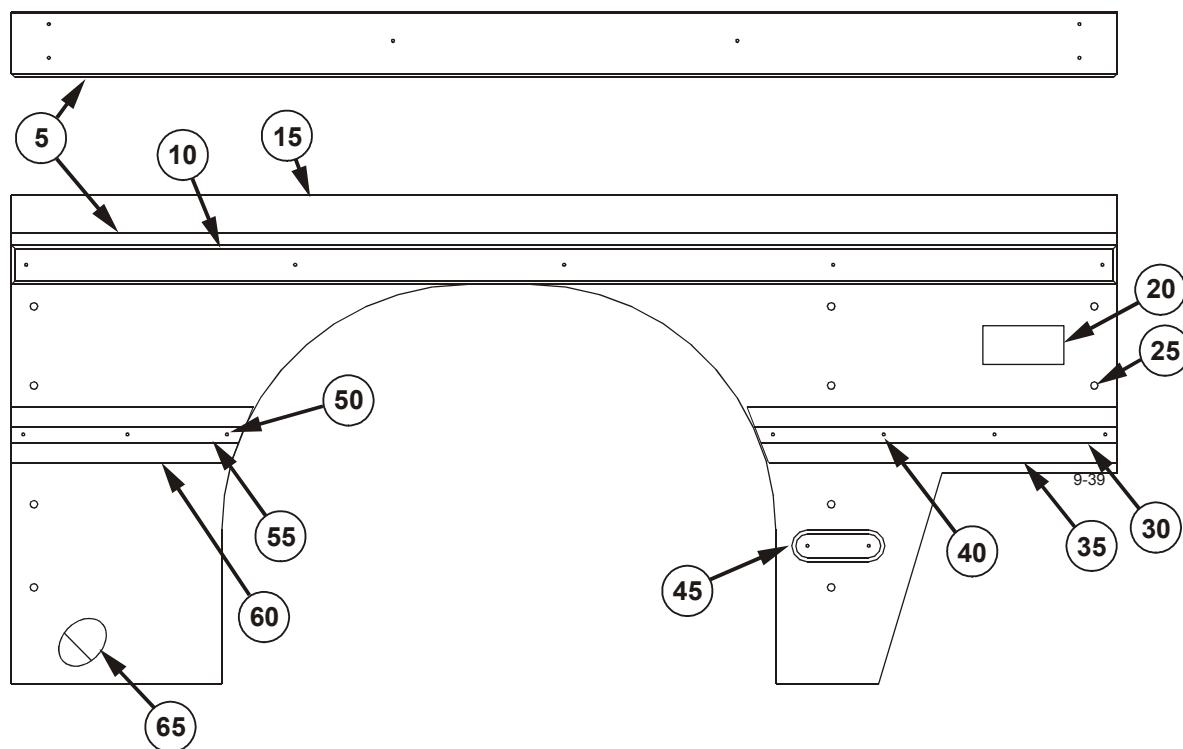
9-37

**Figure 9-37. Forward Skirt Assembly**

ITEM	PART NO.	DESCRIPTION	QTY
	28-3220S	Skirt Assemblies (Non-Wood)	REF
5	28-3222S-7	Forward A/C Skirt	1
10	28-1444-11	Skirt Trim, Ledge	1
		*** ATTACHING PARTS ***	
	66150000	Rivet, 3/16"	6
	11-1459-1	Rivet Cap	6
		*** END OF ATTACHING PARTS ***	
15	28-1662-10	Forward A/C Skirt Rub Rail	1
20	28-1662-21	Rub Rail Trim	1
25	66145000	Rivet, 3/16 x (.50-.63)	5
	66138000	Rivet Cap	5
30	27536400	Skirt Stud	4
	26130100	Snap Ring	4
	23151700	Grommet	4
35	25906000	Reflector	1
		*** ATTACHING PARTS ***	
	66432403	Screw, #8 x 5/8"	2
	68529000	Flatwasher, #8	2
	64780400	Locknut, 8-32	2
		*** END OF ATTACHING PARTS ***	

**Figure 9-38. Rear Skirt Assembly**

ITEM	PART NO.	DESCRIPTION	QTY
	28-3220S	Skirt Assemblies (Non-Wood)	REF
5	28-3222S-8	Rear A/C Skirt Assembly	1
10	28-1444-12	Skirt Trim, Ledge	1
		*** ATTACHING PARTS ***	
	66150000	Rivet, 3/16"	6
	11-1459-1	Rivet Cap	6
		*** END OF ATTACHING PARTS ***	
15	28-1662-11	Aft A/C Skirt Rub Rail	1
20	28-1662-20	Rub Rail Trim	1
25	66145000	Rivet, 3/16 x (.50-.63)	12
	66138000	Rivet Cap	12
25	25906001	Red Reflector	1
		*** ATTACHING PARTS ***	
	66422901	Screw, #8 x 3/4"	2
		*** END OF ATTACHING PARTS ***	
30	27536400	Skirt Stud	4
	26130100	Snap Ring	4
	23151700	Grommet	4
35	25906001	Red Reflector	1
		*** ATTACHING PARTS ***	
	66432403	Screw, 8-32 x 5/8"	2
	68529000	Flatwasher, #8	2
	64780400	Locknut, 8-32	2
		*** END OF ATTACHING PARTS ***	



**Figure 9-39. Front Skirt Assembly, Incandescent and LED Lights, Curbside**

ITEM	PART NO.	DESCRIPTION	QTY
5	28-3220S	Skirt Assemblies (Non-Wood)	REF
	28-1449-1	Ledge Board	1
		*** ATTACHING PARTS ***	
	11-1459-1	Rivet Cap	6
	66150000	Rivet, 3/16, GR .50 - .63	6
		*** END OF ATTACHING PARTS ***	
10	28-1449-2	Front Side Board	1
		*** ATTACHING PARTS ***	
	11-1459-1	Rivet Cap	5
	66145000	Rivet, 3/16, GR .50 - .63	5
		*** END OF ATTACHING PARTS ***	
15	28-3223-1	Painted Skirt Assembly	1
20		Light Assembly, Incandescent	
		Consisting of:	
	28-7900-5	Incandescent Light Assembly	1
	61164500	Screw, 10-24 x 3/4"	2
	68529800	Flatwasher, #10	2
	64780500	Locknut, 10-24	2
	23160100	Light Guard, Incandescent	1
	61164500	Screw, 10-24 x 3/4"	2
	68529800	Flatwasher, #10	2
	64780500	Locknut, 10-24	2
	23151500	Grommet, 7/16 OD x 3/16 ID x 3/16" Thick	1
	48002200	Flexguard, 3/8 x 12"	AR
	23496102	Pin Housing, Deutsch, 2 Circuit	1
	28580502	Locking Wedge, Deutsch, 2 Circuit	1
		Light Assembly, LED	

ITEM	PART NO.	DESCRIPTION	QTY
		Consisting of:	
	28-7915-8	LED Light Assembly	1
	23159900	Light Guard	1
	61116700	Screw, 10-24 x 1.5"	4
	68529800	Flatwasher, #10	4
	64780500	Locknut, 10-24	4
25	27536400	Skirt Stud	AR
	26130100	Snap Ring	AR
	23151700	Grommet	AR
30	28-1662-15	Rub Rail Trim	1
35	28-1662-4	Front Skirt Rub Rail, Forward	1
40	66145000	Rivet, 3/16 x (.50-.63)	4
	66138000	Rivet Cap	4
45	25906000	Amber Reflector	1
		*** ATTACHING PARTS ***	
	66432403	Screw, 8-32 x 5/8"	2
	68529000	Flatwasher, #8	2
	64780400	Locknut, 8-32	2
		*** END OF ATTACHING PARTS ***	
50	66145000	Rivet, 3/16 x (.50-.63)	3
	66138000	Rivet Cap	3
55	28-1662-13	Rub Rail Trim	1
60	28-1662-2	Front Skirt Rub Rail, Aft	1
65	28-7900-8	Step Light Assembly	1
		*** ATTACHING PARTS ***	
	61115800	Screw, 10-24 x 1/2"	2
	68529800	Flatwasher, #10	4
	64780500	Locknut, 10-24	2
		*** END OF ATTACHING PARTS ***	

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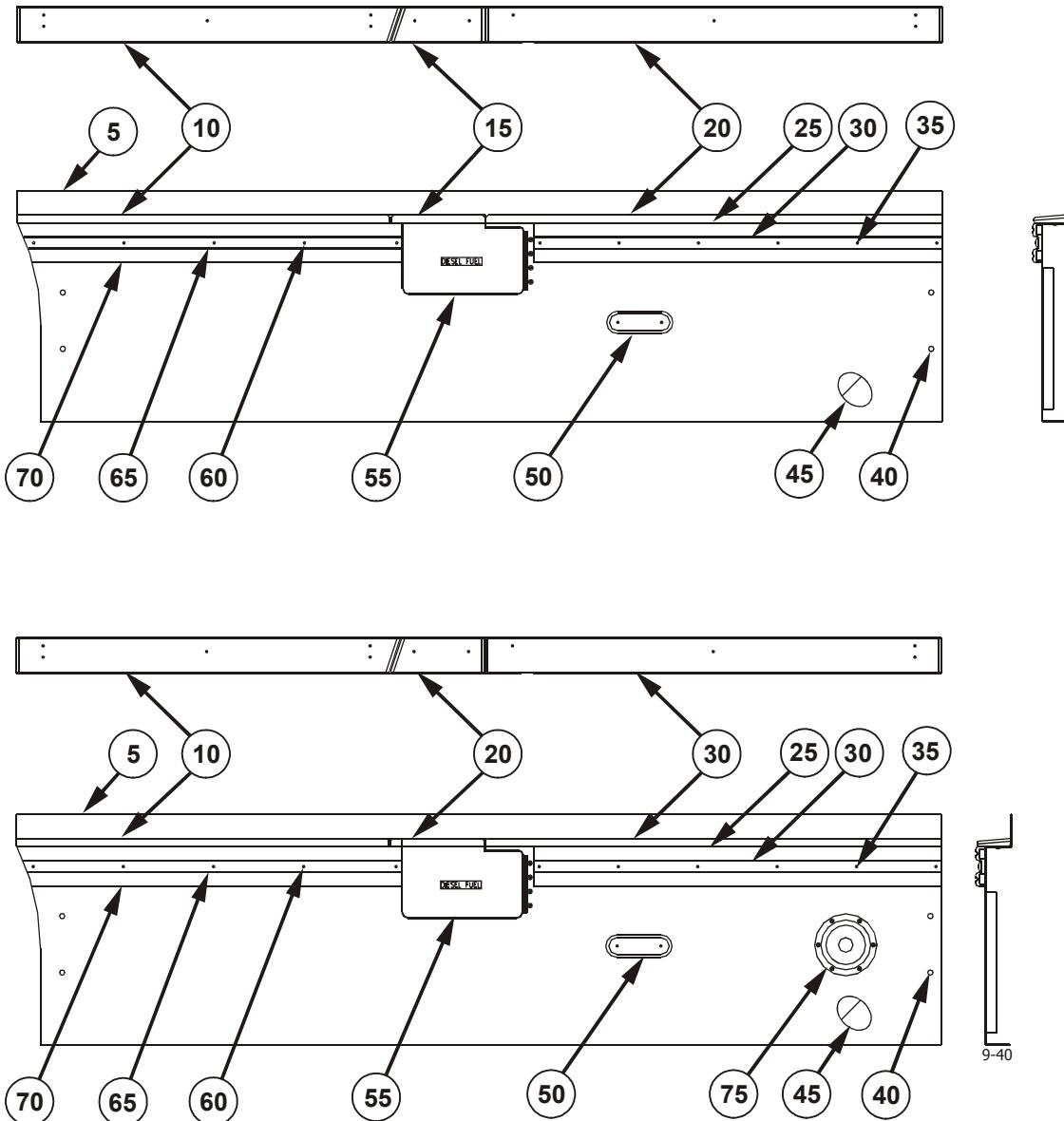
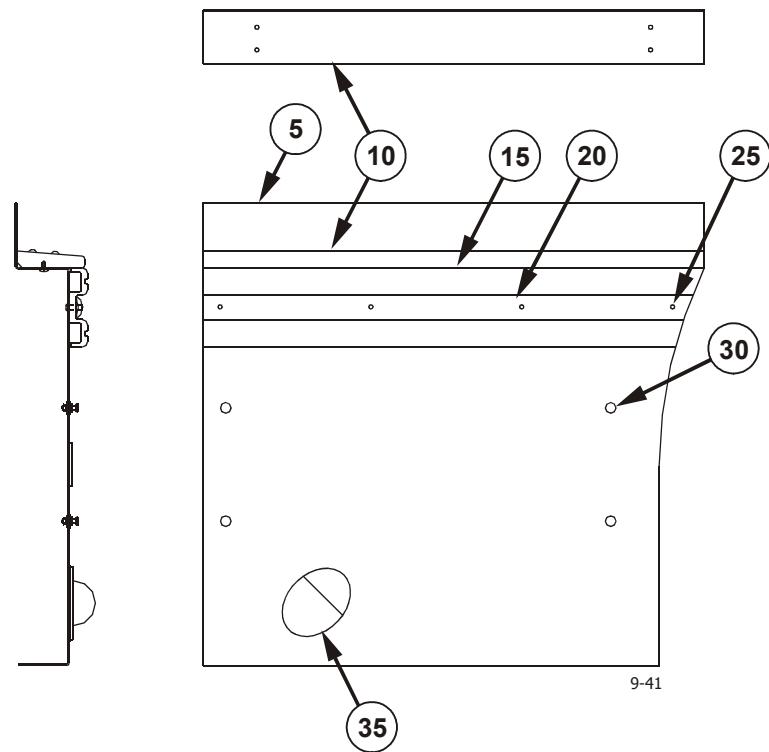


Figure 9-40. Fuel Skirt Assembly

ITEM	PART NO.	DESCRIPTION	QTY
	28-3220S	Skirt Assemblies (Non-Wood)	REF
	28-3222S	Side Skirt Details	REF
5	28-3222S-10	Fuel Skirt, Fast Fuel	1
	TBS	Fuel Skirt, Fast Fuel, w/External Speaker	1
10	11-1444-15	Skirt Trim, Ledge	1
15	11-1444-13	Skirt Trim, Door Ledge	1
20	28-1444-8	Skirt Trim, Ledge	1
25	28-1664-3	Forward Fuel Skirt Rub Rail	1
30	28-1664-9	Forward Fuel Skirt Rub Rail Trim	1
35	66145000	Rivet, 3/16 x (.50-.63)	6
	66138000	Rivet Cap	6
40	27536400	Skirt Stud	AR
	26130100	Snap Ring	AR
	23151700	Grommet	AR
45	28-7900-8	Step Light Assembly	1
		*** ATTACHING PARTS ***	
	61115800	Screw, 10-24 x 1/2"	2
	68529800	Flatwasher, #10	4
	64780500	Locknut, 10-24	2
		*** END OF ATTACHING PARTS ***	
50	25906000	Amber Reflector	1
		*** ATTACHING PARTS ***	
	66432403	Screw, 8-32 x 5/8"	2
	68529000	Flatwasher, #8	2
	64780400	Locknut, 8-32	2
		*** END OF ATTACHING PARTS ***	
55	28-3219S-1	Door Assembly, Fast Fill	1
60	66145000	Rivet, 3/16 x (.50-.63)	5

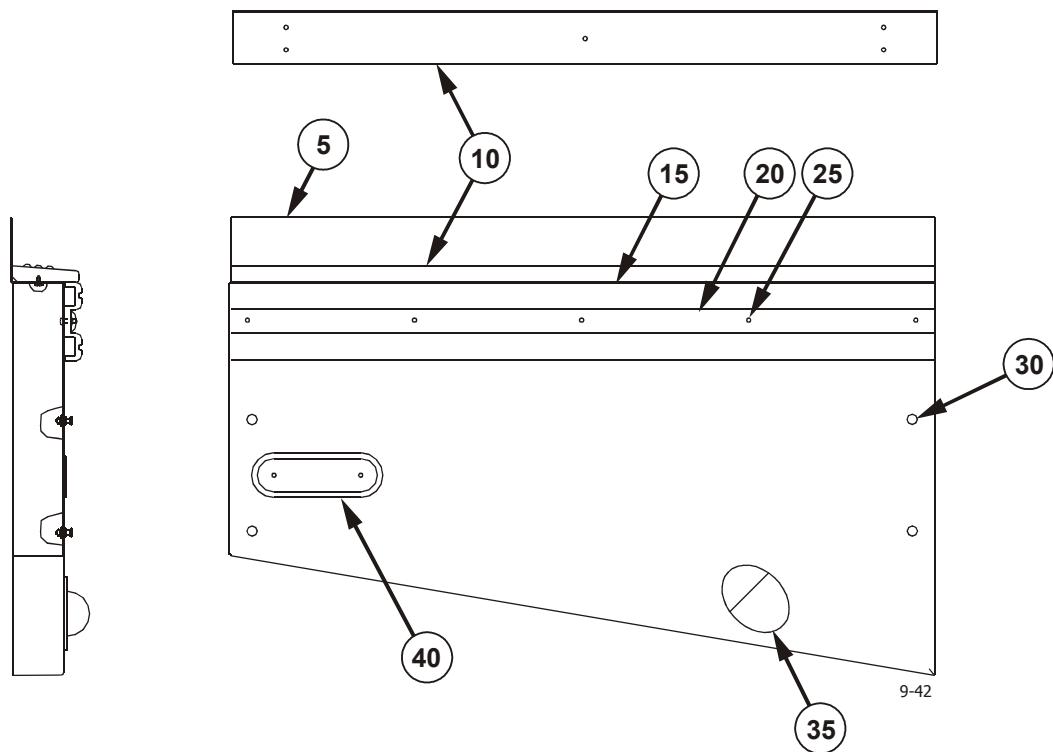
ITEM	PART NO.	DESCRIPTION	QTY
	66138000	Rivet Cap	5
65	28-1664-7	Aft Fuel Skirt Rub Rail Trim	1
70	28-1664-1	Aft Fuel Skirt Rub Rail	1
75	24-7253-2	Ext. Speaker Assembly	1
		*** ATTACHING PARTS ***	
	61164500	Screw, 10-24 x 3/4"	7
	68529800	Flatwasher, 3/16"	7
	64780500	Locknut, 10-24	7
		*** END OF ATTACHING PARTS ***	

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**Figure 9-41. Forward of Aft Door Skirt Assembly**

ITEM	PART NO.	DESCRIPTION	QTY
	28-3220S	Skirt Assemblies (Non-Wood)	REF
5	28-3222S-6	Fwd. Of Aft Door Skirt	1
10	28-1444-10	Skirt Trim, Ledge	1
15	28-1662-7	Forward Rear Door Rub Rail, Curbside	1
20	28-1662-17	Rub Rail Trim	1
25	66145000	Rivet, 3/16 x (.50-.63)	4
	66138000	Rivet Cap	4
30	27536400	Skirt Stud	AR
	26130100	Snap Ring	AR
	23151700	Grommet	AR
35	28-7900-8	Step Light Assembly	1
		*** ATTACHING PARTS ***	
	61165800	Screw, 10-24 x 1/2"	2
	68529800	Flatwasher, #10	4
	64780500	Locknut, 10-24	2
		*** END OF ATTACHING PARTS ***	



**Figure 9-42. Rear Skirt Assembly, Curbside**

ITEM	PART NO.	DESCRIPTION	QTY
	28-3220S	Skirt Assemblies (Non-Wood)	REF
5	28-3222S-4	C.S. Rear Skirt	1
10	28-1444-3	Skirt Trim, Ledge	1
15	28-1662-8	Aft Rub Rail, Curbside	1
20	28-1662-18	Rub Rail Trim	1
25	66145000	Rivet, 3/16 x (.50-.63)	5
	66138000	Rivet Cap	5
30	27536400	Skirt Stud	AR
	26130100	Snap Ring	AR
	23151700	Grommet	AR
35	28-7900-8	Step Light Assembly	1
		*** ATTACHING PARTS ***	
	61115800	Screw, 10-24 x 1/2"	2
	68529800	Flatwasher, #10	4
	64780500	Locknut, 10-24	2
		*** END OF ATTACHING PARTS ***	
40	25906001	Red Reflector	1
		*** ATTACHING PARTS ***	
	66432403	Screw, Wood, 8-32 x 5/8"	2
	68529000	Washer, #8	2
	64780400	Locknut, 8-32	2
		*** END OF ATTACHING PARTS ***	

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Figure 10-1	10-2
Figure 10-2	10-3
Figure 10-3	10-4
Figure 10-4	10-5
Figure 10-5	10-6
Figure 10-6	10-7
Figure 10-7	10-8

**Figure 10-1.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 10-2.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 10-3.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 10-4.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 10-5.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 10-6.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 10-7.**

ITEM	PART NO.	DESCRIPTION	QTY
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Figure 11-1	11-2
Figure 11-2	11-3
Figure 11-3	11-4
Figure 11-4	11-5
Figure 11-5	11-6
Figure 11-6	11-7
Figure 11-7	11-8

**Figure 11-1.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 11-2.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 11-3.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 11-4.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 11-5.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 11-6.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 11-7.**

ITEM	PART NO.	DESCRIPTION	QTY
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Figure 12-1	12-2
Figure 12-2	12-3
Figure 12-3	12-4
Figure 12-4	12-5
Figure 12-5	12-6
Figure 12-6	12-7
Figure 12-7	12-8

**Figure 12-1.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 12-2.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 12-3.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 12-4.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 12-5.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 12-6.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 12-7.**

ITEM	PART NO.	DESCRIPTION	QTY
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Figure 13-1	13-2
Figure 13-2	13-3
Figure 13-3	13-4
Figure 13-4	13-5
Figure 13-5	13-6
Figure 13-6	13-7
Figure 13-7	13-8

**Figure 13-1.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 13-2.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 13-3.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 13-4.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 13-5.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 13-6.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 13-7.**

ITEM	PART NO.	DESCRIPTION	QTY
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Figure 14-1	14-2
Figure 14-2	14-3
Figure 14-3	14-4
Figure 14-4	14-5
Figure 14-5	14-6
Figure 14-6	14-7
Figure 14-7	14-8

**Figure 14-1.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 14-2.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 14-3.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 14-4.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 14-5.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 14-6.**

ITEM	PART NO.	DESCRIPTION	QTY
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**Figure 14-7.**

ITEM	PART NO.	DESCRIPTION	QTY
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# Part Number Index

# Part Number Index

..... 14-3	..... 3-9	0460-202-1631 . 8-27	11-1558-5 .....	9-17	20-5010-001 .....	7-3		
..... 14-3	..... 3-9	0460-204-12141 . 8-27	11-1559-001 .....	9-35	20-5020 .....	7-9		
..... 14-3	..... 4-13	0460-215-16141 . 8-27	11-1559-004 .....	9-35	20-5030-001 .....	2-3		
..... 14-3	..... 4-13	0462-201-20141 . 8-27	11-1559-006 .....	9-35	20532001 .....	4-9		
..... 14-3	..... 4-19	0462-201-2031 . 8-27	11-1559-007 .....	9-35	20570500 .....	9-39		
..... 14-4	..... 4-31	0462-203-12141 . 8-27	11-1559-008 .....	9-35	20-6010-1 .....	3-5		
..... 14-4	..... 4-9	0462-209-16141 . 8-27	11-1559-009 .....	9-35	20-6010-11 .....	3-23		
..... 14-4	..... 8-11	05-1505-001 .....	9-47	11-1559-010 .....	9-35	20-6010-2 .....	3-3	
..... 14-4	..... 8-11	05-2139-1 .....	5-10	11-1559-1 .....	9-15	20-6010-3 .....	3-3	
..... 14-4	..... 8-15	05-3084-2 .....	8-11	11-1650 .....	9-37	20-6010-4 .....	3-4	
..... 14-4	..... 8-16	05-3084-6 .....	8-11	11-3013-1 .....	9-51	20-6040-2 .....	3-16	
..... 14-4	..... 8-16	05-3084-6 .....	8-11	11-3013-2 .....	9-51	20-6040-3 .....	3-19	
..... 14-4	..... 8-16	05-3084-6 .....	8-12	11-4025 .....	9-13	20-6040-3 .....	8-3	
..... 14-4	..... 8-16	05-6042-1 .....	3-19	11-4028-001 .....	9-13	20-6043-1 .....	3-19	
..... 14-4	..... 8-16	070-1700 .....	8-29	11-7237-1 .....	9-16	20-6043-2 .....	3-25	
..... 14-4	..... 8-26	070-1700 .....	8-31	11-7238-1 .....	9-16	20742900 .....	4-5	
..... 14-5	..... 8-26	11-1011-3 .....	9-3	11-7239-1 .....	9-16	20745600 .....	4-29	
..... 14-5	..... 8-26	11-1011-3 .....	9-5	11-7239-2 .....	9-16	20745600 .....	4-29	
..... 14-5	..... 8-26	11-1014-2 .....	9-7	20140300 .....	2-20	20767400 .....	9-16	
..... 14-5	..... 8-26	11-1054 .....	9-11	20140300 .....	2-5	20770003 .....	9-39	
..... 14-5	..... 8-27	11-1433-001 .....	9-57	20140400 .....	2-20	20770004 .....	9-39	
..... 14-5	..... 8-27	11-1433-002 .....	9-57	20140400 .....	2-5	20904001 .....	8-15	
..... 14-5	..... 8-27	11-1437-14 .....	9-3	20161201 .....	4-11	20904100 .....	3-3	
..... 14-5	..... 8-27	11-1439-001 .....	9-53	20161201 .....	4-9	20904100 .....	3-4	
..... 14-5	..... 8-27	11-1439-002 .....	9-53	20-1671-10 .....	9-43	20904100 .....	3-4	
..... 14-5	..... 8-27	11-1439-007 .....	9-53	20-1671-3 .....	9-43	20904100 .....	3-5	
..... 14-5	..... 8-27	11-1439-008 .....	9-53	20-2066-6 .....	4-26	20971600 .....	7-7	
..... 14-6	..... 8-27	11-1439-009 .....	9-53	20-2104-1 .....	4-29	20992200 .....	9-35	
..... 14-6	..... 8-27	11-1444-13 .....	9-107	20-2104-2 .....	4-29	21014000 .....	9-3	
..... 14-6	..... 8-27	11-1444-13 .....	9-83	20-2104-5 .....	4-30	21026202 .....	2-5	
..... 14-6	..... 8-29	11-1444-15 .....	9-107	20268100 .....	2-5	21054800 .....	2-5	
..... 14-6	..... 8-3	11-1444-15 .....	9-83	20273000 .....	9-39	21055800 .....	7-7	
..... 14-6	..... 8-3	11-1451-6 .....	9-83	20273800 .....	7-9	21203100 .....	8-15	
..... 14-6	..... 8-31	11-1459-1 .....	9-101	20324902 .....	2-19	21224800 .....	8-31	
..... 14-6	..... 8-32	11-1459-1 .....	9-103	20324903 .....	2-19	21226400 .....	4-5	
..... 14-6	..... 8-5	11-1459-1 .....	9-103	20324904 .....	2-19	21232900 .....	6-7	
..... 14-6	..... 8-5	11-1459-1 .....	9-63	20324905 .....	2-19	21233200 .....	5-3	
..... 14-6	..... 8-6	11-1459-1 .....	9-63	20324906 .....	2-20	21247600 .....	3-23	
..... 14-7	..... 8-6	11-1459-1 .....	9-63	20324912 .....	2-3	21249602 .....	2-5	
..... 14-7	..... 9-103	11-1459-1 .....	9-63	20324912 .....	2-5	21535102 .....	2-20	
..... 14-7	..... 9-103	11-1459-1 .....	9-63	20325012 .....	2-3	21535400 .....	2-6	
..... 14-7	..... 9-103	11-1459-1 .....	9-64	20325019 .....	2-9	21595300 .....	8-9	
..... 14-7	..... 9-103	11-1459-1 .....	9-64	20325025 .....	2-3	21608600 .....	8-16	
..... 14-7	..... 9-104	11-1459-1 .....	9-64	20325112 .....	2-3	21608700 .....	8-16	
..... 14-7	..... 9-16	11-1459-1 .....	9-67	20325120 .....	2-9	21610700 .....	6-3	
..... 14-7	..... 9-39	11-1459-1 .....	9-71	20325124 .....	2-9	21611200 .....	6-14	
..... 14-7	..... 9-64	11-1459-1 .....	9-79	20-4023-001 .....	9-9	21611400 .....	6-3	
..... 14-7	..... 9-64	11-1459-1 .....	9-79	20-4026-001 .....	9-9	21620300 .....	6-15	
..... 14-7	..... 9-65	11-1459-1 .....	9-80	20406300 .....	6-7	21620500 .....	5-8	
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..... 14-8	..... 9-65	11-1459-1 .....	9-80	20-4162-3 .....	5-9	21622500 .....	4-21	
..... 14-8	..... 9-79	11-1459-1 .....	9-81	20-4162-3 .....	6-15	21622500 .....	4-5	
..... 14-8	..... 9-79	11-1459-1 .....	9-81	20442300 .....	2-19	21631900 .....	3-10	
..... 14-8	..... 9-79	11-1459-1 .....	9-81	20445100 .....	2-19	21631900 .....	3-9	
..... 14-8	..... 9-79	11-1459-1 .....	9-93	20446101 .....	2-19	21631900 .....	3-9	
..... 14-8	..... 9-80	11-1459-1 .....	9-93	20446102 .....	2-19	21636800 .....	5-8	
..... 14-8	..... 9-93	11-1459-1 .....	9-97	20446103 .....	2-19	21638100 .....	4-5	
..... 14-8	..... 9-93	11-1459-1 .....	9-99	20446104 .....	2-19	21638100 .....	4-5	
..... 14-8	..... 9-94	11-1555-4 .....	9-19	20446105 .....	2-19	21640600 .....	4-26	
..... 14-8	..... 9-94	11-1555-5 .....	9-19	20446106 .....	2-19	21640600 .....	6-15	
..... 3-4	..... 9-94	11-1555-7 .....	9-15	20456611 .....	2-6	21641700 .....	5-8	
..... 3-9	01-1652-5 .....	9-37	11-1555-8 .....	9-15	20456612 .....	2-6	21642601 .....	5-8
..... 3-9	01-7312-002 .....	8-15	11-1555-9 .....	9-16	20495000 .....	9-39	21642700 .....	5-8
..... 3-9	01-9130-14 .....	9-37	11-1557-1 .....	9-15	20498100 .....	2-19	21644000 .....	3-7
..... 3-9	01-9130-9 .....	9-37	11-1558-4 .....	9-17	20498400 .....	2-19	21644000 .....	3-7

# Part Number Index

21644000 .....	5-3	22514100 .....	4-3	23496002 .....	8-27	23891709 .....	2-11	24442000 .....	8-15
21644200 .....	3-16	22539408 .....	6-15	23496003 .....	8-27	23891711 .....	2-11	24472700 .....	9-39
21644300 .....	3-7	22578300 .....	4-13	23496004 .....	8-16	23891711 .....	2-16	24472700 .....	9-41
21644300 .....	3-7	22578600 .....	4-13	23496004 .....	8-27	23891712 .....	2-11	24472803 .....	9-41
21645300 .....	6-11	22615400 .....	9-49	23496006 .....	8-27	23891712 .....	2-15	24525000 .....	5-10
21645300 .....	6-4	22670400 .....	3-3	23496008 .....	8-27	23891712 .....	2-3	24525000 .....	5-8
21645300 .....	6-4	22670601 .....	5-5	23496012 .....	8-27	23891713 .....	2-11	24525000 .....	5-9
21645400 .....	6-11	22672700 .....	4-7	23496012 .....	8-6	23891713 .....	2-15	24525000 .....	5-9
21645400 .....	6-14	22762900 .....	4-29	23496102 .....	4-19	23891715 .....	2-11	24525000 .....	5-9
21645400 .....	6-4	22777400 .....	8-9	23496102 .....	8-15	23891715 .....	2-16	24581100 .....	5-8
21645500 .....	6-5	22900101 .....	3-13	23496102 .....	8-20	23891716 .....	2-11	24-6012-2 .....	3-14
21645600 .....	6-14	22900200 .....	3-3	23496102 .....	8-26	23891716 .....	2-16	24-6038-002 .....	3-5
21645600 .....	6-14	22902200 .....	4-7	23496102 .....	9-103	23891716 .....	2-3	24-7253-2 .....	9-108
21679000 .....	9-21	22939800 .....	5-8	23496102 .....	9-65	23891718 .....	2-15	24-7253-2 .....	9-84
21790400 .....	7-7	22943100 .....	8-6	23496102 .....	9-79	23891719 .....	2-15	24734600 .....	4-29
21827900 .....	4-15	22947700 .....	8-6	23496102 .....	9-94	23891721 .....	2-3	24734600 .....	4-29
21827900 .....	4-9	22949200 .....	8-5	23496103 .....	8-16	23891723 .....	2-11	24737701 .....	2-20
21827901 .....	4-15	22949202 .....	8-5	23496103 .....	8-26	23891723 .....	2-15	24737801 .....	2-19
21827901 .....	4-19	22949300 .....	8-6	23496104 .....	8-16	23891724 .....	2-11	24737801 .....	2-6
21827901 .....	4-7	22987400 .....	6-7	23496104 .....	8-19	23891726 .....	2-11	24738300 .....	9-41
21872300 .....	6-14	22996202 .....	2-5	23496104 .....	8-26	23891727 .....	2-11	24738500 .....	2-5
21908700 .....	8-15	22996203 .....	2-6	23496106 .....	8-20	23891728 .....	2-11	24739900 .....	2-19
21908700 .....	8-16	22996401 .....	2-20	23496106 .....	8-26	23891729 .....	2-15	24740000 .....	2-19
21908700 .....	8-16	23009600 .....	7-9	23496108 .....	8-26	23891730 .....	2-15	24740000 .....	2-6
21908700 .....	8-5	23043701 .....	2-19	23496112 .....	8-26	23891731 .....	2-15	24740100 .....	2-19
21908700 .....	8-7	23087100 .....	3-6	23496112 .....	8-5	23891732 .....	2-15	24740200 .....	2-19
21911500 .....	6-7	23151300 .....	6-4	23530801 .....	2-19	23891732 .....	2-3	24740200 .....	2-6
21930960 .....	4-9	23151300 .....	6-4	23530802 .....	2-19	23891733 .....	2-12	24757300 .....	2-11
21931100 .....	8-6	23151500 .....	9-103	23566100 .....	2-6	23891733 .....	2-15	24757300 .....	2-15
21942200 .....	8-3	23151500 .....	9-64	23566200 .....	2-6	23891734 .....	2-15	24757300 .....	2-3
21955100 .....	8-9	23151500 .....	9-79	23635400 .....	6-5	23891735 .....	2-12	24762101 .....	2-20
21955200 .....	8-9	23151500 .....	9-94	23635900 .....	4-25	23891735 .....	2-15	25-1420-001 .....	9-58
21955400 .....	8-9	23151700 .....	9-101	23635901 .....	4-25	23891735 .....	2-3	25-1420-002 .....	9-58
21955500 .....	8-9	23151700 .....	9-104	23635904 .....	4-3	23891736 .....	2-11	25-1420-003 .....	9-58
22159400 .....	9-7	23151700 .....	9-107	23635905 .....	4-3	23891736 .....	2-15	25172200 .....	8-27
22160800 .....	9-7	23151700 .....	9-111	23636000 .....	6-14	23891736 .....	2-3	25172600 .....	8-27
22196101 .....	9-45	23151700 .....	9-113	23636200 .....	4-27	23891737 .....	2-15	25172700 .....	4-19
22196101 .....	9-68	23151700 .....	9-65	23877001 .....	2-5	23891738 .....	2-15	25172700 .....	8-15
22196101 .....	9-97	23151700 .....	9-68	23877002 .....	2-5	23897700 .....	3-23	25172700 .....	8-16
22196102 .....	9-45	23151700 .....	9-71	23877003 .....	2-5	23900200 .....	2-5	25172700 .....	8-16
22196102 .....	9-68	23151700 .....	9-75	23878600 .....	2-3	23900300 .....	2-5	25172700 .....	8-20
22196102 .....	9-97	23151700 .....	9-80	23878703 .....	5-8	23910000 .....	2-5	25172700 .....	8-20
22196501 .....	9-45	23151700 .....	9-83	23878704 .....	5-8	23910100 .....	2-5	25172700 .....	8-20
22202001 .....	9-45	23151700 .....	9-87	23878706 .....	5-8	23968300 .....	9-47	25172700 .....	8-27
22273200 .....	3-23	23151700 .....	9-89	23878707 .....	5-8	23968500 .....	9-15	25172700 .....	8-5
22274200 .....	8-3	23151700 .....	9-94	23878708 .....	5-8	24065712 .....	9-17	25-3086-1 .....	8-11
22319201 .....	2-20	23151700 .....	9-97	23889702 .....	2-6	24065712 .....	9-45	25-3086-2 .....	8-11
22347606 .....	4-29	23151700 .....	9-99	23891601 .....	2-3	24084201 .....	9-16	25555000 .....	6-7
22349600 .....	4-15	23159900 .....	9-104	23891602 .....	2-11	24091702 .....	8-23	25613900 .....	9-39
22349700 .....	4-15	23159900 .....	9-65	23891602 .....	2-11	24091702 .....	8-23	25-7132-1 .....	8-11
22349800 .....	4-15	23159900 .....	9-80	23891602 .....	2-15	24091702 .....	8-23	25-7132-10 .....	8-11
22349900 .....	4-15	23159900 .....	9-94	23891602 .....	2-3	24096600 .....	8-31	25-7132-2 .....	8-12
22350000 .....	4-15	23160100 .....	9-103	23891608 .....	2-3	24162200 .....	3-10	25-7132-3 .....	8-12
22350100 .....	4-15	23160100 .....	9-64	23891609 .....	2-11	24162200 .....	3-9	25-7132-7 .....	8-11
22350300 .....	9-41	23160100 .....	9-79	23891609 .....	2-15	24162200 .....	3-9	25-7132-8 .....	8-11
22376502 .....	2-19	23160100 .....	9-94	23891609 .....	2-3	24-2073-2 .....	4-5	25-7132-9 .....	8-11
22380503 .....	3-5	23438301 .....	8-3	23891611 .....	2-12	24388000 .....	3-15	25785102 .....	6-11
22380504 .....	3-5	23438401 .....	8-3	23891611 .....	2-15	24409500 .....	8-6	25785200 .....	6-14
22461900 .....	5-8	23490100 .....	6-3	23891702 .....	2-11	24-4163-10 .....	3-10	25906000 .....	9-104
22495500 .....	2-5	23491000 .....	3-15	23891702 .....	2-15	24-4163-9 .....	3-9	25906000 .....	9-107
22495501 .....	2-5	23491700 .....	6-14	23891705 .....	2-11	24-4163-9 .....	3-9	25906000 .....	9-64
22495602 .....	2-5	23491900 .....	4-5	23891705 .....	2-15	24427300 .....	9-11	25906000 .....	9-71
22495603 .....	2-5	23493500 .....	8-15	23891707 .....	2-11	24427400 .....	9-11	25906000 .....	9-80
22513400 .....	4-9	23493500 .....	8-5	23891707 .....	2-3	24427500 .....	9-11	25906000 .....	9-84
22514000 .....	4-3	23496002 .....	8-16	23891708 .....	2-3	24435200 .....	9-11	25906000 .....	9-89

# Part Number Index

25906000 .....	9-93	26970401 .....	8-7	27661202 .....	8-31	28-1430-014 .....	9-57	28-1443A-13 .....	9-72
25906000 .....	9-99	26970402 .....	8-27	27661202 .....	8-32	28-1430-015 .....	9-58	28-1443A-14 .....	9-75
25906001 .....	8-23	27030900 .....	8-25	27661500 .....	8-5	28-1430-017 .....	9-57	28-1443A-15 .....	9-71
25906001 .....	9-101	27030901 .....	8-25	27662500 .....	8-3	28-1430-019 .....	9-53	28-1443A-16 .....	9-75
25906001 .....	9-101	27079501 .....	8-31	27662501 .....	8-3	28-1430-020 .....	9-53	28-1443A-2 .....	9-87
25906001 .....	9-113	27079503 .....	8-31	27662600 .....	3-20	28-1430-021 .....	9-57	28-1443A-3 .....	9-71
25906001 .....	9-75	27079505 .....	8-31	27662700 .....	3-19	28-1430-022 .....	9-57	28-1443A-4 .....	9-72
25916300 .....	7-3	27079506 .....	8-31	27665600 .....	8-5	28-1430-024 .....	9-58	28-1443A-6 .....	9-76
25916301 .....	7-3	27079507 .....	8-31	27671000 .....	8-29	28-1430-025 .....	9-57	28-1443A-7 .....	9-84
25916400 .....	7-3	27079900 .....	8-31	27674001 .....	4-27	28-1430-026 .....	9-57	28-1443A-8 .....	9-87
25916401 .....	4-7	27092200 .....	2-20	27674003 .....	4-27	28-1431-001 .....	9-57	28-1443A-9 .....	9-71
25936900 .....	4-19	27218800 .....	9-21	27674007 .....	4-27	28-1431-002 .....	9-58	28-1443S-1 .....	9-84
25949500 .....	8-9	27220401 .....	2-20	27674013 .....	4-27	28-1431-003 .....	9-58	28-1443S-2 .....	9-84
25949600 .....	8-6	27220401 .....	2-5	27674015 .....	4-25	28-1431-005 .....	9-57	28-1444-10 .....	9-111
25969600 .....	8-16	27220501 .....	2-20	27682500 .....	8-29	28-1431-006 .....	9-57	28-1444-10 .....	9-87
25969600 .....	8-5	27220501 .....	2-5	27759402 .....	6-7	28-1431-007 .....	9-53	28-1444-11 .....	9-71
25969900 .....	8-6	27532401 .....	9-23	27761004 .....	5-3	28-1431-008 .....	9-53	28-1444-11 .....	9-99
25970200 .....	3-3	27534100 .....	2-19	27761005 .....	5-5	28-1431-009 .....	9-58	28-1444-12 .....	9-101
25970200 .....	3-3	27534101 .....	2-19	27761006 .....	5-5	28-1431-010 .....	9-58	28-1444-12 .....	9-75
25970200 .....	3-4	27534101 .....	2-6	27761008 .....	5-3	28-1431-011 .....	9-57	28-1444-3 .....	9-113
25970200 .....	3-5	27534102 .....	2-19	27761009 .....	5-5	28-1431-012 .....	9-57	28-1444-3 .....	9-89
25970500 .....	7-3	27534102 .....	2-6	27847100 .....	4-19	28-1432-001 .....	9-57	28-1444-4 .....	9-67
25970501 .....	7-3	27536300 .....	9-21	27892500 .....	6-7	28-1432-002 .....	9-58	28-1444-4 .....	9-97
25970502 .....	7-3	27536400 .....	9-101	28-0200E .....	4-3	28-1432-003 .....	9-58	28-1444-8 .....	9-107
25970503 .....	7-3	27536400 .....	9-104	28-0976 .....	8-11	28-1432-004 .....	9-58	28-1444-8 .....	9-83
25970504 .....	7-3	27536400 .....	9-107	28-0980 .....	9-11	28-1432-004 .....	9-58	28-1449-1 .....	9-103
25970505 .....	7-3	27536400 .....	9-111	28-0982-1 .....	9-11	28-1432-005 .....	9-57	28-1449-1 .....	9-63
26130100 .....	9-101	27536400 .....	9-113	28-0985 .....	8-11	28-1432-006 .....	9-58	28-1449-1 .....	9-79
26130100 .....	9-104	27536400 .....	9-65	28-0987 .....	9-37	28-1432-007 .....	9-57	28-1449-1 .....	9-93
26130100 .....	9-107	27536400 .....	9-68	28-1000A .....	9-29	28-1432-008 .....	9-53	28-1449-10 .....	9-64
26130100 .....	9-111	27536400 .....	9-71	28-1002 .....	9-25	28-1432-009 .....	9-53	28-1449-11 .....	9-80
26130100 .....	9-113	27536400 .....	9-75	28-1005 .....	9-33	28-1432-010 .....	9-53	28-1449-12 .....	9-63
26130100 .....	9-65	27536400 .....	9-80	28-1005-3 .....	9-33	28-1434-001 .....	9-57	28-1449-13 .....	9-63
26130100 .....	9-68	27536400 .....	9-83	28-1005-4 .....	9-33	28-1434-002 .....	9-57	28-1449-2 .....	9-103
26130100 .....	9-71	27536400 .....	9-87	28-1005-5 .....	9-33	28-1434-003 .....	9-57	28-1449-2 .....	9-63
26130100 .....	9-75	27536400 .....	9-89	28-1005-6 .....	9-33	28-1434-004 .....	9-58	28-1449-2 .....	9-79
26130100 .....	9-80	27536400 .....	9-94	28-1009 .....	9-5	28-1434-005 .....	9-58	28-1449-2 .....	9-93
26130100 .....	9-83	27536400 .....	9-97	28-1009A .....	9-3	28-1434-006 .....	9-57	28-1449-3 .....	9-80
26130100 .....	9-87	27536400 .....	9-99	28-1010 .....	9-7	28-1434-007 .....	9-57	28-1449-4 .....	9-63
26130100 .....	9-89	27536501 .....	2-6	28-1010-1 .....	9-5	28-1434-008 .....	9-58	28-1449-5 .....	9-63
26130100 .....	9-94	27536502 .....	2-6	28-1010A-1 .....	9-3	28-1439-003 .....	9-53	28-1449-5 .....	9-81
26130100 .....	9-97	27619400 .....	4-27	28-1069-11 .....	9-25	28-1439-004 .....	9-53	28-1449-6 .....	9-81
26130100 .....	9-99	27619500 .....	4-27	28-1069-11 .....	9-29	28-1439-006 .....	9-53	28-1449-7 .....	9-80
26131600 .....	2-5	27619600 .....	4-27	28114500 .....	4-25	28-1439-007 .....	9-53	28-1449-8 .....	9-64
26415500 .....	9-35	27640806 .....	2-15	28114600 .....	4-21	28-1439-008 .....	9-53	28-1449-9 .....	9-80
26466301 .....	2-20	27640807 .....	2-15	28-1248C .....	8-15	28-1442-10 .....	9-83	28-1470-001 .....	9-39
26466301 .....	2-5	27640809 .....	2-9	28-1405 .....	9-57	28-1442-5 .....	9-71	28-1473 .....	9-41
26466302 .....	2-20	27640810 .....	2-9	28-1406 .....	9-53	28-1442-5 .....	9-89	28-1510A .....	9-21
26467901 .....	2-19	27640811 .....	2-9	28-1417A .....	8-25	28-1442-6 .....	9-67	28-1515B .....	9-15
26514200 .....	8-5	27640812 .....	2-9	28-1420-001 .....	9-58	28-1442A-1 .....	9-83	28-1516 .....	9-15
26514500 .....	5-3	27640813 .....	2-9	28-1420-002 .....	9-58	28-1442A-3 .....	9-75	28-1516-15 .....	9-16
26562001 .....	7-7	27640814 .....	2-9	28-1421-001 .....	9-53	28-1442A-4 .....	9-87	28-1516-16 .....	9-16
26578001 .....	2-20	27640815 .....	2-9	28-1421-002 .....	9-54	28-1443-11 .....	9-75	28-1517B-1 .....	9-15
26578002 .....	2-20	27640816 .....	2-9	28-1430-001 .....	9-58	28-1443-16 .....	9-89	28-1520-9 .....	9-21
26709100 .....	2-3	27640817 .....	2-9	28-1430-002 .....	9-58	28-1443-17 .....	9-68	28-1555A .....	9-19
26720100 .....	2-5	27640818 .....	2-9	28-1430-003 .....	9-57	28-1443-18 .....	9-68	28-1555A-1 .....	9-15
26720200 .....	2-5	27640901 .....	2-11	28-1430-005 .....	9-57	28-1443-19 .....	9-67	28-1555A-12 .....	9-15
26962500 .....	9-35	27640901 .....	2-15	28-1430-006 .....	9-57	28-1443-24 .....	9-75	28-1555A-3 .....	9-19
26968200 .....	8-27	27640902 .....	2-11	28-1430-007 .....	9-58	28-1443-3 .....	9-89	28-1555A-4 .....	9-19
26968901 .....	7-9	27640902 .....	2-15	28-1430-008 .....	9-58	28-1443-4 .....	9-68	28-1555A-5 .....	9-19
26969000 .....	8-31	27640903 .....	2-11	28-1430-009 .....	9-58	28-1443-5 .....	9-67	28-1556-1 .....	9-21
26970300 .....	8-27	27640903 .....	2-15	28-1430-010 .....	9-58	28-1443-6 .....	9-67	28-1556-3 .....	9-21
26970401 .....	8-16	27654800 .....	9-16	28-1430-011 .....	9-57	28-1443A-1 .....	9-83	28-1619-2 .....	9-37
26970401 .....	8-16	27661201 .....	8-29	28-1430-012 .....	9-57	28-1443A-10 .....	9-72	28-1619-3 .....	9-37
26970401 .....	8-27	27661202 .....	8-29	28-1430-013 .....	9-57	28-1443A-12 .....	9-76	28-1650 .....	9-37

# Part Number Index

28-1652-001 . . . 9-37	28-2055-2 . . . 4-25	28-3220S . . . 9-107	28-3240-1 . . . 9-61	28580502 . . . 4-19
28-1662-10 . . . 9-99	28-2055-5 . . . 4-11	28-3220S . . . 9-111	28-3240-2 . . . 9-61	28580502 . . . 8-15
28-1662-11 . . . 9-101	28-2055-5 . . . 4-21	28-3220S . . . 9-113	28-3240-5 . . . 9-61	28580502 . . . 8-20
28-1662-13 . . . 9-104	28-2055-5 . . . 4-9	28-3220S . . . 9-91	28-3240-6 . . . 9-61	28580502 . . . 8-26
28-1662-13 . . . 9-93	28-2072A . . . 4-5	28-3220S . . . 9-93	28-3290-001 . . . 9-49	28580502 . . . 9-103
28-1662-15 . . . 9-104	28-2072A007 . . . 4-5	28-3220S . . . 9-97	28-4025 . . . 9-9	28580502 . . . 9-65
28-1662-15 . . . 9-93	28-2075-1 . . . 4-5	28-3220S . . . 9-99	28-4027-002 . . . 9-9	28580502 . . . 9-79
28-1662-17 . . . 9-111	28-2077-2 . . . 4-5	28-3220S-1 . . . 9-91	28-4027-008 . . . 9-9	28580502 . . . 9-94
28-1662-18 . . . 9-113	28-2093B . . . 4-15	28-3220S-12 . . . 9-91	28-4027-009 . . . 9-9	28580503 . . . 8-16
28-1662-19 . . . 9-97	28-2093B . . . 4-19	28-3220S-13 . . . 9-91	28-4030 . . . 9-9	28580503 . . . 8-26
28-1662-2 . . . 9-104	28-2098-007 . . . 4-31	28-3220S-2 . . . 9-91	28-4030-001 . . . 8-23	28580504 . . . 8-16
28-1662-2 . . . 9-93	28-2098-11 . . . 4-29	28-3220S-3 . . . 9-91	28-4030-002 . . . 8-23	28580504 . . . 8-19
28-1662-20 . . . 9-101	28-2098-7 . . . 4-29	28-3220S-4 . . . 9-91	28-4030-003 . . . 8-23	28580504 . . . 8-26
28-1662-21 . . . 9-99	28-2103-2 . . . 4-25	28-3220S-6 . . . 9-91	28-4030-004 . . . 8-23	28580506 . . . 8-20
28-1662-4 . . . 9-104	28-2103-3 . . . 4-25	28-3220S-7 . . . 9-91	28-4031-001 . . . 8-23	28580506 . . . 8-26
28-1662-4 . . . 9-93	28-2104-2 . . . 4-25	28-3220S-8 . . . 9-91	28-4031-002 . . . 8-23	28580508 . . . 8-26
28-1662-7 . . . 9-111	28-2104-3 . . . 4-25	28-3221S-3 . . . 9-91	28-4031-007 . . . 8-23	28580512 . . . 8-26
28-1662-8 . . . 9-113	28-2105-1 . . . 4-26	28-3222S . . . 9-107	28-4119-1 . . . 4-3	28580512 . . . 8-5
28-1662-9 . . . 9-97	28-2112 . . . 2-19	28-3222S . . . 9-97	28-4119-2 . . . 4-3	28-6005D-001 . . . 3-3
28-1664-1 . . . 9-108	28-2112A . . . 2-9	28-3222S-10 . . . 9-107	28-4119-20 . . . 4-3	28-6006 . . . 3-9
28-1664-3 . . . 9-107	28-2120D . . . 5-3	28-3222S-3 . . . 9-97	28432101 . . . 5-3	28-6007A . . . 3-13
28-1664-7 . . . 9-108	28-2120D . . . 5-5	28-3222S-4 . . . 9-113	28432201 . . . 5-3	28-6010-1 . . . 3-13
28-1664-9 . . . 9-107	28-2130C-001 . . . 5-8	28-3222S-6 . . . 9-111	28432202 . . . 5-3	28-6010-2 . . . 3-13
28-1670- . . . 9-43	28-2136-10 . . . 5-9	28-3222S-7 . . . 9-99	28432500 . . . 3-3	28-6010-4 . . . 3-14
28-1950-001 . . . 9-45	28-2136-11 . . . 5-10	28-3222S-8 . . . 9-101	28440900 . . . 3-3	28-6010-5 . . . 3-6
28-1976-1 . . . 9-97	28-2136-3 . . . 5-10	28-3223-1 . . . 9-103	28440900 . . . 3-3	28-6010A-1 . . . 3-5
28-2001-011 . . . 5-5	28-2136-7 . . . 5-8	28-3223-1 . . . 9-79	28440900 . . . 3-4	28-6012-1 . . . 3-6
28-2001-012 . . . 5-5	28-2136-8 . . . 5-9	28-3223-11 . . . 9-87	28440900 . . . 3-5	28-6029-1 . . . 3-6
28-2001-013 . . . 5-5	28-2136-9 . . . 5-9	28-3223-12 . . . 9-72	28451800 . . . 5-3	28-6029-8 . . . 3-6
28-2003B-001 . . . 4-29	28-2137-3 . . . 4-21	28-3223-13 . . . 9-84	28455201 . . . 6-7	28-6035-1 . . . 3-23
28-2005B . . . 6-14	28-2137-3 . . . 4-26	28-3223-15 . . . 9-67	28455300 . . . 6-7	28-6037 . . . 3-23
28-2005B . . . 6-3	28-2137-5 . . . 4-21	28-3223-2 . . . 9-63	28455400 . . . 6-7	28-6037 . . . 3-25
28-2005B-3 . . . 6-11	28-2137-5 . . . 4-26	28-3223-2 . . . 9-93	28457100 . . . 3-14	28-6038-1 . . . 3-25
28-2006B . . . 6-3	28-2138-1 . . . 5-8	28-3223-4 . . . 9-67	28457700 . . . 9-39	28-6041-1 . . . 3-19
28-2009 . . . 6-7	28-2138-2 . . . 5-8	28-3223-5 . . . 9-89	28457700 . . . 9-41	28636601 . . . 7-7
28-2009-2 . . . 6-5	28-2138-5 . . . 5-8	28-3223-6 . . . 9-71	28457800 . . . 9-39	28655400 . . . 5-3
28-2009-3 . . . 6-3	28-2430-023 . . . 9-58	28-3223-7 . . . 9-75	28457800 . . . 9-41	28655500 . . . 5-3
28-2011-1 . . . 6-7	28-2574-1 . . . 5-5	28-3223-8 . . . 9-75	28458000 . . . 3-20	28657000 . . . 9-23
28-2013-5 . . . 6-15	28-3004 . . . 9-47	28-3223-9 . . . 9-83	28458100 . . . 3-4	28657100 . . . 9-23
28-2013A-2 . . . 6-11	28-3006-001 . . . 9-47	28-3224-001 . . . 9-49	28458200 . . . 3-3	28691101 . . . 9-29
28-2014-2 . . . 6-14	28-3008A . . . 9-23	28-3224-002 . . . 9-49	28458300 . . . 3-14	28691301 . . . 9-26
28-2014-2 . . . 6-4	28-3008A . . . 9-23	28-3224-003 . . . 9-49	28458300 . . . 3-19	28691301 . . . 9-30
28-2014-3 . . . 6-11	28-3010-2 . . . 9-49	28-3224-004 . . . 9-49	28458400 . . . 3-13	28691701 . . . 9-26
28-2014-3 . . . 6-4	28-3011-001 . . . 9-49	28-3224-005 . . . 9-49	28458400 . . . 3-14	28691701 . . . 9-30
28-2015-1 . . . 6-5	28-3011-002 . . . 9-49	28-3225-002 . . . 9-49	28458700 . . . 3-13	28691801 . . . 9-25
28-2016A-1 . . . 6-4	28-3011-003 . . . 9-49	28-3230 . . . 9-61	28459200 . . . 3-23	28691801 . . . 9-29
28-2017-19 . . . 4-21	28-3011-004 . . . 9-49	28-3230 . . . 9-83	28459800 . . . 3-14	28692200 . . . 9-25
28-2017-20 . . . 4-21	28-3011-005 . . . 9-49	28-3230 . . . 9-87	28461200 . . . 5-3	28692300 . . . 9-25
28-2017-3 . . . 4-26	28-3011-006 . . . 9-49	28-3230 . . . 9-89	28461602 . . . 3-9	28692401 . . . 9-25
28-2017-4 . . . 4-26	28-3011-010 . . . 9-49	28-3230-1 . . . 9-61	28461602 . . . 3-9	28692401 . . . 9-29
28-2017-5 . . . 4-27	28-3011-011 . . . 9-49	28-3230-11 . . . 9-61	28461602 . . . 3-9	28692500 . . . 9-25
28-2018-4 . . . 6-5	28-3011-022 . . . 9-49	28-3230-3 . . . 9-61	28-5020 . . . 7-7	28692600 . . . 9-25
28-2018A-1 . . . 6-4	28-3014-6 . . . 9-47	28-3230-4 . . . 9-61	28-5040A . . . 2-11	28693700 . . . 9-29
28-2018A-2 . . . 6-4	28-3015 . . . 9-51	28-3230-4 . . . 9-67	28-5040A . . . 2-15	28693800 . . . 9-29
28-2020C-001 . . . 4-25	28-3016A . . . 9-47	28-3230-5 . . . 9-61	28564000 . . . 2-5	28693900 . . . 9-29
28-2020C-002 . . . 4-21	28-3017-1 . . . 9-47	28-3230-6 . . . 9-61	28565601 . . . 2-5	28-7100B . . . 8-3
28-2022-2 . . . 6-14	28-3021 . . . 9-23	28-3230-6 . . . 9-71	28580402 . . . 8-16	28-7128-2 . . . 8-11
28-2022-3 . . . 6-14	28-3061-5 . . . 9-23	28-3230-6 . . . 9-75	28580402 . . . 8-27	28-7129-1 . . . 8-11
28-2023-1 . . . 5-3	28-3061-6 . . . 9-23	28-3230-7 . . . 9-61	28580403 . . . 8-27	28-7222-1 . . . 3-19
28-2023-2 . . . 5-3	28-3210B . . . 9-61	28-3230-8 . . . 9-61	28580404 . . . 8-16	28-7222-1 . . . 8-6
28-2023-3 . . . 5-3	28-3210S . . . 9-91	28-3230-9 . . . 9-61	28580404 . . . 8-27	28-7222-2 . . . 8-6
28-2030B-001 . . . 4-13	28-3210S . . . 9-93	28-3230S-10 . . . 9-91	28580406 . . . 8-27	28-7222-7 . . . 8-6
28-2030B-001 . . . 4-9	28-3219S-1 . . . 9-107	28-3240 . . . 9-61	28580408 . . . 8-27	28-7410-1 . . . 8-3
28-2033-003 . . . 4-13	28-3220S . . . 9-101	28-3240 . . . 9-63	28580412 . . . 8-27	28-7411A-1 . . . 8-3
28-2048-1 . . . 6-7	28-3220S . . . 9-103	28-3240 . . . 9-79	28580412 . . . 8-7	28-7710B001 . . . 8-15

# Part Number Index

28-7710B002 .. 8-15	30851499 .. 7-7	60020800 .. 3-5	60262400 .. 3-19	60293802 .. 3-10
28-7713C-001 .. 8-5	30870800 .. 2-9	60022000 .. 7-3	60262400 .. 3-4	60294300 .. 6-11
28-7713C-002 .. 8-3	30954600 .. 2-9	60022100 .. 7-3	60263600 .. 3-3	60684100 .. 4-16
28-7713C-002 .. 8-3	33476515 .. 7-3	60034200 .. 3-6	60273900 .. 3-4	60684901 .. 4-15
28-7713C-002 .. 8-5	33476516 .. 7-3	60036600 .. 7-3	60274000 .. 3-14	60684902 .. 4-15
28-7715-2 .. 8-6	33476517 .. 7-3	60037500 .. 6-7	60274000 .. 3-19	60684903 .. 4-15
28-7722-1 .. 9-5	33476518 .. 7-3	60037800 .. 7-3	60274000 .. 3-25	60685102 .. 4-15
28-7900-003 .. 8-23	340-1205 .. 8-29	60074900 .. 3-7	60274000 .. 3-4	60685103 .. 4-15
28-7900-11 .. 8-19	34946800 .. 2-9	60075600 .. 3-7	60274200 .. 3-3	60685300 .. 4-25
28-7900-2 .. 8-25	34946900 .. 2-9	60078801 .. 4-21	60274200 .. 3-4	60686000 .. 4-3
28-7900-4 .. 8-23	35394500 .. 7-7	60096500 .. 4-27	60274200 .. 3-4	60686401 .. 4-15
28-7900-41 .. 8-19	36142200 .. 9-54	60096500 .. 6-15	60274200 .. 3-5	60686401 .. 4-15
28-7900-42 .. 8-19	36142200 .. 9-58	60106000 .. 7-3	60274200 .. 6-7	60686401 .. 4-16
28-7900-5 .. 9-103	36738300 .. 7-7	60109800 .. 4-21	60274400 .. 3-13	60700000 .. 3-10
28-7900-5 .. 9-64	36990500 .. 2-3	60110400 .. 4-27	60274400 .. 3-13	60700000 .. 8-6
28-7900-5 .. 9-79	3925852 .. 4-11	60114900 .. 3-7	60274400 .. 3-14	60700000 .. 8-6
28-7900-5 .. 9-93	3943456 .. 4-11	60115200 .. 7-3	60293701 .. 3-25	60700200 .. 3-10
28-7900-6 .. 8-19	42222500 .. 9-47	60122500 .. 7-3	60293701 .. 3-3	60700200 .. 3-14
28-7900-7 .. 8-19	42710900 .. 6-3	60127500 .. 7-3	60293704 .. 3-20	60700200 .. 3-15
28-7900-8 .. 9-104	48000300 .. 6-3	60142200 .. 3-19	60293704 .. 3-25	60700200 .. 3-15
28-7900-8 .. 9-107	48000900 .. 6-3	60142200 .. 3-23	60293705 .. 3-13	60700200 .. 3-16
28-7900-8 .. 9-111	48002200 .. 9-103	60142200 .. 3-25	60293705 .. 3-15	60700200 .. 3-16
28-7900-8 .. 9-113	48002200 .. 9-65	60142200 .. 6-7	60293706 .. 9-41	60700200 .. 3-6
28-7900-8 .. 9-81	48002200 .. 9-79	60142201 .. 6-7	60293707 .. 3-20	60700200 .. 3-7
28-7900-8 .. 9-83	48002200 .. 9-94	60142202 .. 6-7	60293707 .. 3-25	60700200 .. 3-7
28-7900-8 .. 9-87	48004800 .. 6-14	60145800 .. 3-4	60293707 .. 3-5	60700200 .. 3-7
28-7900-8 .. 9-89	48004902 .. 6-15	60146001 .. 3-6	60293708 .. 3-14	60700200 .. 3-7
28-7900A .. 8-19	48010000 .. 3-10	60147200 .. 9-3	60293708 .. 3-20	60700200 .. 4-5
28-7900A .. 8-23	48010000 .. 3-20	60165201 .. 3-15	60293710 .. 3-15	60700200 .. 5-3
28-7905-001 .. 8-23	48010000 .. 3-25	60165201 .. 3-3	60293710 .. 3-4	60700200 .. 5-5
28-7905-005 .. 8-23	48010000 .. 6-3	60165201 .. 3-4	60293710 .. 4-26	60700200 .. 8-3
28-7915-003 .. 8-23	48010200 .. 3-15	60167400 .. 6-3	60293711 .. 3-10	60700200 .. 9-39
28-7915-004 .. 8-23	48010200 .. 3-20	60167400 .. 6-7	60293711 .. 3-10	60700200 .. 9-43
28-7915-8 .. 9-104	48010300 .. 3-20	60167800 .. 6-7	60293711 .. 3-13	60700200 .. 9-43
28-7915-8 .. 9-65	48010300 .. 3-25	60168000 .. 4-19	60293711 .. 3-14	60700400 .. 3-19
28-7915-8 .. 9-80	48010500 .. 3-15	60169800 .. 9-39	60293711 .. 3-19	60700400 .. 3-19
28-7915-8 .. 9-94	48010500 .. 3-20	60170000 .. 3-10	60293711 .. 3-23	60700400 .. 3-20
28-9036-2 .. 6-15	48010500 .. 3-6	60170000 .. 3-10	60293711 .. 3-9	60700400 .. 4-21
28-9038-1 .. 5-8	48010900 .. 3-15	60170000 .. 6-3	60293711 .. 3-9	60700400 .. 4-26
28-9038B-2 .. 5-8	48011000 .. 3-15	60191401 .. 3-14	60293712 .. 3-5	60700400 .. 4-26
28-9130-001 .. 9-37	48011000 .. 3-25	60231900 .. 5-3	60293712 .. 3-6	60700400 .. 6-3
28965200 .. 4-29	48012000 .. 4-26	60247600 .. 6-7	60293712 .. 9-41	60700400 .. 6-5
289665300 .. 4-29	48012100 .. 3-15	60248000 .. 3-15	60293713 .. 3-13	60700400 .. 8-3
28967900 .. 4-31	48012100 .. 3-6	60249200 .. 6-7	60293714 .. 3-13	60700400 .. 9-37
28968300 .. 4-19	48012200 .. 3-15	60249200 .. 8-5	60293714 .. 3-13	60700600 .. 9-21
28968400 .. 4-19	48012700 .. 3-6	60249600 .. 3-20	60293714 .. 3-14	60700600 .. 9-37
28968401 .. 4-19	48015000 .. 3-25	60249600 .. 3-5	60293714 .. 3-15	60700600 .. 9-37
28968402 .. 4-19	48015000 .. 3-6	60250000 .. 3-4	60293714 .. 3-3	60700800 .. 3-13
28968403 .. 4-19	48015000 .. 3-6	60250000 .. 5-3	60293714 .. 3-3	60700800 .. 3-14
28968405 .. 4-19	48015000 .. 9-39	60250200 .. 3-13	60293715 .. 3-20	60700800 .. 3-15
28968407 .. 4-19	48015100 .. 3-25	60250200 .. 3-15	60293717 .. 3-19	60700800 .. 3-25
28968408 .. 4-19	48015200 .. 3-25	60252500 .. 3-23	60293717 .. 3-25	60701200 .. 3-19
28968409 .. 4-19	48015400 .. 3-6	60252500 .. 3-4	60293717 .. 3-9	60701200 .. 9-7
28968500 .. 4-19	48022500 .. 6-14	60253400 .. 8-5	60293717 .. 3-9	60701800 .. 3-13
28968600 .. 4-31	48025500 .. 6-11	60253600 .. 3-13	60293721 .. 3-14	60702000 .. 3-13
28968700 .. 4-31	48025500 .. 6-4	60253600 .. 3-14	60293721 .. 3-19	60702000 .. 3-6
28968800 .. 4-31	48025600 .. 6-11	60253600 .. 3-15	60293721 .. 3-9	60702600 .. 6-3
29-3219-1 .. 9-67	48025600 .. 6-4	60253800 .. 3-3	60293724 .. 3-13	60749400 .. 4-30
29-3219-1 .. 9-97	48025600 .. 6-4	60255600 .. 3-23	60293728 .. 3-4	60749400 .. 5-10
29516336 .. 4-21	48030100 .. 4-5	60255600 .. 3-9	60293728 .. 3-5	60749400 .. 5-9
29516336 .. 4-25	48725224 .. 9-19	60255600 .. 3-9	60293729 .. 3-4	60749400 .. 7-3
29535963 .. 4-26	60017108 .. 5-3	60255600 .. 6-11	60293731 .. 3-3	60749800 .. 6-15
29-6024-2 .. 8-5	60019400 .. 7-3	60255600 .. 6-14	60293732 .. 4-27	60766400 .. 6-11
30734100 .. 2-3	60020200 .. 7-3	60259000 .. 3-20	60293800 .. 3-5	60766400 .. 6-14
30742800 .. 7-7	60020400 .. 5-5	60262000 .. 4-27	60293800 .. 3-5	60766400 .. 7-7

# Part Number Index

60766600 .....	3-3	61116700 .....	9-80	64780500 .....	8-23	64781600 .....	4-29	66138000 .....	9-104
60766600 .....	3-4	61116700 .....	9-94	64780500 .....	8-23	64781600 .....	4-29	66138000 .....	9-104
60766600 .....	3-4	61116800 .....	8-5	64780500 .....	9-103	64781600 .....	6-15	66138000 .....	9-107
60766600 .....	3-5	61118000 .....	8-15	64780500 .....	9-103	64781600 .....	6-4	66138000 .....	9-108
60766600 .....	4-29	61118000 .....	8-15	64780500 .....	9-104	64781600 .....	6-4	66138000 .....	9-11
60766600 .....	4-29	61118000 .....	8-16	64780500 .....	9-104	64781600 .....	6-5	66138000 .....	9-111
60766600 .....	6-5	61118200 .....	3-20	64780500 .....	9-107	64782400 .....	4-29	66138000 .....	9-113
60766800 .....	6-14	61118200 .....	8-5	64780500 .....	9-108	64782400 .....	5-5	66138000 .....	9-49
60766800 .....	9-21	61118200 .....	8-6	64780500 .....	9-111	64792600 .....	8-15	66138000 .....	9-67
60767200 .....	5-8	61142400 .....	8-15	64780500 .....	9-113	6-47967 .....	9-5	66138000 .....	9-97
60767400 .....	5-9	61142400 .....	9-16	64780500 .....	9-64	64796700 .....	9-3	66138000 .....	9-99
60767600 .....	6-4	61143800 .....	9-47	64780500 .....	9-64	64803600 .....	9-15	66145000 .....	9-101
60767600 .....	6-4	6116100 .....	8-23	64780500 .....	9-65	64803600 .....	9-16	66145000 .....	9-103
60767800 .....	7-7	61161200 .....	9-15	64780500 .....	9-79	64804400 .....	5-10	66145000 .....	9-104
60770201 .....	3-3	61161200 .....	9-16	64780500 .....	9-79	64804400 .....	5-8	66145000 .....	9-104
60770201 .....	3-4	61161400 .....	9-15	64780500 .....	9-80	64804400 .....	5-9	66145000 .....	9-107
60770201 .....	3-4	61161400 .....	9-15	64780500 .....	9-81	64804400 .....	5-9	66145000 .....	9-107
60770201 .....	3-5	61161900 .....	9-15	64780500 .....	9-83	64804400 .....	5-9	66145000 .....	9-111
60786200 .....	4-26	61164500 .....	9-103	64780500 .....	9-84	64804400 .....	9-21	66145000 .....	9-113
60786200 .....	4-3	61164500 .....	9-103	64780500 .....	9-87	64804400 .....	9-21	66145000 .....	9-63
60786600 .....	9-13	61164500 .....	9-108	64780500 .....	9-89	64804600 .....	3-3	66145000 .....	9-63
60841400 .....	6-11	61164500 .....	9-64	64780500 .....	9-94	64804600 .....	3-3	66145000 .....	9-63
60841400 .....	6-14	61164500 .....	9-79	64780500 .....	9-94	64804600 .....	3-4	66145000 .....	9-63
60841600 .....	9-9	61164500 .....	9-93	64780500 .....	9-94	64804600 .....	3-4	66145000 .....	9-64
60841800 .....	3-5	61164500 .....	9-94	64780800 .....	3-10	64804600 .....	3-4	66145000 .....	9-64
60841800 .....	4-11	61164600 .....	8-5	64780800 .....	3-13	64804600 .....	3-5	66145000 .....	9-64
60841800 .....	4-9	61164600 .....	9-81	64780800 .....	3-14	64804600 .....	3-5	66145000 .....	9-79
60842000 .....	2-9	61164600 .....	9-83	64780800 .....	3-14	64804600 .....	3-5	66145000 .....	9-80
60842000 .....	4-21	61164600 .....	9-87	64780800 .....	3-15	64804600 .....	5-9	66145000 .....	9-80
60842000 .....	4-25	61164600 .....	9-89	64780800 .....	3-15	64804600 .....	5-9	66145000 .....	9-80
60842000 .....	6-4	61165800 .....	9-111	64780800 .....	3-16	64804600 .....	7-7	66145000 .....	9-81
60842800 .....	4-29	61166400 .....	9-84	64780800 .....	3-16	64804600 .....	9-13	66145000 .....	9-81
60845600 .....	4-11	61222200 .....	4-9	64780800 .....	3-16	64804600 .....	9-21	66145000 .....	9-81
60845600 .....	4-9	61224302 .....	2-3	64780800 .....	3-19	64804600 .....	9-23	66145000 .....	9-93
60848800 .....	4-26	61224500 .....	9-21	64780800 .....	3-19	64805000 .....	4-11	66145000 .....	9-97
60849000 .....	4-25	61225201 .....	9-9	64780800 .....	3-19	64805000 .....	4-11	66145000 .....	9-99
60849200 .....	5-5	61400800 .....	9-3	64780800 .....	3-20	64805000 .....	4-9	66145500 .....	9-54
60849400 .....	5-5	61406900 .....	8-6	64780800 .....	3-25	64805000 .....	4-9	66145500 .....	9-58
60849400 .....	9-9	61408300 .....	3-25	64780800 .....	3-6	64805000 .....	5-5	66145500 .....	9-67
60916001 .....	2-11	61600400 .....	3-15	64780800 .....	3-6	64805000 .....	9-9	66145500 .....	9-71
60916001 .....	2-16	61600600 .....	3-15	64780800 .....	3-7	64805000 .....	9-9	66145502 .....	9-49
60930700 .....	7-9	61600600 .....	9-3	64780800 .....	3-7	64805000 .....	9-9	66148000 .....	9-11
60931200 .....	9-9	61600800 .....	5-5	64780800 .....	3-7	64805400 .....	2-11	66148000 .....	9-49
60932400 .....	7-9	61601000 .....	3-15	64780800 .....	3-7	64805400 .....	2-16	66148000 .....	9-67
60933200 .....	2-11	61601000 .....	3-16	64780800 .....	4-21	64805400 .....	4-25	66148000 .....	9-97
60933200 .....	2-16	61601000 .....	3-16	64780800 .....	4-26	64805400 .....	7-9	66149200 .....	9-35
60933200 .....	4-25	61601000 .....	5-5	64780800 .....	4-26	64805400 .....	9-9	66150000 .....	9-101
60963801 .....	2-3	62743400 .....	5-3	64780800 .....	4-5	64805700 .....	2-3	66150000 .....	9-103
60982200 .....	7-9	62781200 .....	7-3	64780800 .....	5-3	64806000 .....	2-3	66150000 .....	9-63
61047000 .....	2-3	62785100 .....	3-14	64780800 .....	5-5	64806500 .....	2-11	66150000 .....	9-79
61078201 .....	6-7	64296000 .....	9-35	64780800 .....	9-15	64806500 .....	2-15	66150000 .....	9-93
61079800 .....	6-7	64296000 .....	9-35	64780800 .....	9-15	64807100 .....	4-13	66150000 .....	9-99
61080100 .....	4-19	64730500 .....	4-3	64780800 .....	9-16	64807500 .....	8-11	66155000 .....	9-97
61111700 .....	9-3	64750000 .....	6-3	64780800 .....	9-21	64807500 .....	8-11	66160000 .....	9-49
61113800 .....	8-15	64750000 .....	6-3	64780800 .....	9-37	64807500 .....	8-12	66160003 .....	9-25
61114600 .....	9-16	64750000 .....	6-5	64780800 .....	9-37	64807600 .....	8-11	66160003 .....	9-25
61115200 .....	8-25	64750000 .....	9-37	64780800 .....	9-43	64807600 .....	8-11	66160003 .....	9-25
61115800 .....	9-104	64751600 .....	6-5	64780800 .....	9-43	64807600 .....	8-12	66160003 .....	9-25
61115800 .....	9-107	64780400 .....	8-25	64780800 .....	9-47	64807600 .....	8-12	66160003 .....	9-25
61115800 .....	9-113	64780400 .....	9-101	64780800 .....	9-7	64813000 .....	4-21	66160003 .....	9-25
61116000 .....	9-64	64780400 .....	9-104	64781200 .....	4-30	64813000 .....	4-25	66160003 .....	9-25
61116000 .....	9-79	64780400 .....	9-107	64781200 .....	5-10	64813500 .....	4-13	66160003 .....	9-26
61116100 .....	8-23	64780400 .....	9-113	64781200 .....	5-9	64829200 .....	8-25	66160003 .....	9-26
61116700 .....	9-104	64780400 .....	9-93	64781200 .....	6-15	65165400 .....	7-9	66160003 .....	9-29
61116700 .....	9-65	64780400 .....	9-99	64781600 .....	4-26	66138000 .....	9-101	66160003 .....	9-29

# Part Number Index

66160003 .....	9-29	66530200 .....	8-3	68530200 .....	8-6	68537000 .....	8-3	DT06-12S .....	8-27
66160003 .....	9-29	68529000 .....	8-25	68530200 .....	8-6	68537000 .....	8-6	DT06-2S .....	8-27
66160003 .....	9-29	68529000 .....	9-101	68530200 .....	9-15	68537000 .....	8-6	DT06-3S .....	8-27
66160003 .....	9-29	68529000 .....	9-104	68530200 .....	9-15	68537000 .....	9-37	DT06-4S .....	8-27
66160003 .....	9-29	68529000 .....	9-107	68530200 .....	9-37	68537000 .....	9-39	DT06-6S .....	8-27
66160003 .....	9-30	68529000 .....	9-113	68530200 .....	9-37	68537200 .....	7-3	DT06-8S .....	8-27
66160003 .....	9-30	68529000 .....	9-43	68530200 .....	9-39	68537400 .....	6-11	Gear Assembly,	
66164000 .....	9-47	68529000 .....	9-43	68530200 .....	9-43	68537400 .....	6-14	Steering .....	7-9
66166800 .....	9-47	68529000 .....	9-93	68530200 .....	9-43	68537400 .....	7-4	NA .....	9-16
66407200 .....	9-16	68529000 .....	9-99	68530400 .....	6-15	68537400 .....	7-7	P960090 .....	8-31
66407400 .....	8-25	68529100 .....	9-35	68530600 .....	5-10	68537800 .....	3-5	P960090 .....	8-32
66407400 .....	9-43	68529800 .....	3-20	68530600 .....	5-10	68537800 .....	4-11	P960091 .....	8-29
66407400 .....	9-43	68529800 .....	8-23	68530600 .....	5-8	68537800 .....	4-26	P960092 .....	8-31
66407699 .....	9-11	68529800 .....	8-23	68530600 .....	5-9	68537800 .....	4-9	P960218 .....	8-31
66408200 .....	9-3	68529800 .....	8-6	68530600 .....	5-9	68537800 .....	5-5	P960258 .....	8-31
66408400 .....	9-39	68529800 .....	9-103	68530600 .....	5-9	68537800 .....	6-11	P960258 .....	8-32
66422901 .....	9-101	68529800 .....	9-103	68530600 .....	5-9	68537800 .....	6-14	P97041 .....	8-31
66422901 .....	9-64	68529800 .....	9-104	68530600 .....	9-21	68537800 .....	6-5	P97053 .....	8-31
66422901 .....	9-72	68529800 .....	9-104	68530600 .....	9-21	68538200 .....	7-9	P99000 .....	8-31
66422901 .....	9-75	68529800 .....	9-107	68530800 .....	7-4	68538400 .....	7-9	TBS .....	9-107
66422901 .....	9-80	68529800 .....	9-108	68530900 .....	8-11	68541501 .....	6-8	W12P .....	8-26
66422901 .....	9-84	68529800 .....	9-111	68530900 .....	8-11	68541600 .....	8-19	W12S .....	8-27
66422901 .....	9-89	68529800 .....	9-113	68530900 .....	8-11	68541600 .....	8-19	W2P .....	8-26
66424200 .....	7-7	68529800 .....	9-3	68530900 .....	8-11	68541600 .....	8-19	W2S .....	8-27
66426700 .....	7-7	68529800 .....	9-64	68530900 .....	8-12	68541600 .....	8-19	W3P .....	8-26
66428200 .....	9-53	68529800 .....	9-64	68530900 .....	8-12	68541600 .....	8-19	W3S .....	8-27
66428200 .....	9-53	68529800 .....	9-65	68530900 .....	8-12	68542000 .....	9-15	W4P .....	8-26
66428200 .....	9-53	68529800 .....	9-79	68531000 .....	4-26	68542100 .....	9-15	W4S .....	8-27
66432403 .....	9-101	68529800 .....	9-79	68531000 .....	5-9	68542700 .....	9-21	W6P .....	8-26
66432403 .....	9-104	68529800 .....	9-80	68531000 .....	5-9	68550001 .....	7-7	W6S .....	8-27
66432403 .....	9-107	68529800 .....	9-81	68531000 .....	6-11	68552800 .....	2-3	W8P .....	8-26
66432403 .....	9-113	68529800 .....	9-83	68531000 .....	6-14	68552900 .....	2-11	W8S .....	8-27
66432403 .....	9-93	68529800 .....	9-84	68531000 .....	6-14	68552900 .....	2-16		
66432403 .....	9-99	68529800 .....	9-87	68531000 .....	6-4	68552900 .....	4-25		
66434500 .....	9-67	68529800 .....	9-89	68531000 .....	6-4	68552900 .....	7-9		
66434500 .....	9-67	68529800 .....	9-93	68531000 .....	6-5	68552900 .....	9-9		
66434500 .....	9-67	68529800 .....	9-94	68531000 .....	7-7	68553000 .....	4-25		
66434500 .....	9-68	68529800 .....	9-94	68531000 .....	9-21	68553000 .....	5-5		
66434500 .....	9-68	68530200 .....	3-10	68531800 .....	3-5	68553000 .....	9-9		
66434500 .....	9-68	68530200 .....	3-13	68531800 .....	4-11	68553000 .....	9-9		
66434500 .....	9-71	68530200 .....	3-13	68531800 .....	4-21	68553100 .....	4-29		
66434500 .....	9-71	68530200 .....	3-13	68531800 .....	4-25	68553100 .....	9-13		
66434500 .....	9-71	68530200 .....	3-14	68531800 .....	4-27	68553101 .....	4-3		
66434500 .....	9-71	68530200 .....	3-14	68531800 .....	4-29	68553200 .....	9-21		
66434500 .....	9-72	68530200 .....	3-15	68531800 .....	4-9	68553600 .....	9-15		
66434500 .....	9-72	68530200 .....	3-15	68531800 .....	6-11	68553600 .....	9-15		
66434500 .....	9-72	68530200 .....	3-16	68531800 .....	6-14	68553600 .....	9-16		
66434500 .....	9-75	68530200 .....	3-16	68531800 .....	6-5	68558001 .....	9-23		
66434500 .....	9-75	68530200 .....	3-16	685330200 .....	9-16	68607004 .....	9-37		
66434500 .....	9-75	68530200 .....	3-19	68536000 .....	4-15	68607502 .....	9-7		
66434500 .....	9-75	68530200 .....	3-19	68536000 .....	4-15	68981600 .....	8-19		
66434500 .....	9-76	68530200 .....	3-19	68536000 .....	4-16	68981600 .....	8-19		
66434500 .....	9-76	68530200 .....	3-20	68536100 .....	4-15	68981600 .....	8-19		
66434500 .....	9-84	68530200 .....	3-6	68536100 .....	4-15	68981600 .....	8-19		
66434500 .....	9-84	68530200 .....	3-6	68536100 .....	4-25	68981600 .....	8-19		
66434500 .....	9-84	68530200 .....	3-7	68536600 .....	9-16	69147500 .....	9-37		
66434500 .....	9-84	68530200 .....	3-7	68536800 .....	8-5	69147812 .....	9-7		
66435100 .....	9-67	68530200 .....	3-7	68537000 .....	3-10	69685370 .....	9-37		
66435100 .....	9-83	68530200 .....	3-7	68537000 .....	3-14	71529400 .....	7-3		
66435100 .....	9-83	68530200 .....	4-5	68537000 .....	3-15	DT04-12P .....	8-26		
66435100 .....	9-83	68530200 .....	5-3	68537000 .....	3-7	DT04-2P .....	8-26		
66530200 .....	4-21	68530200 .....	5-5	68537000 .....	6-3	DT04-3P .....	8-26		
66530200 .....	4-26	68530200 .....	6-3	68537000 .....	6-3	DT04-4P .....	8-26		
66530200 .....	4-26	68530200 .....	6-3	68537000 .....	6-5	DT04-6P .....	8-26		
66530200 .....	8-3	68530200 .....	6-5	68537000 .....	6-7	DT04-8P .....	8-26		

# Alphabetical Index

## Numerics

1 BATTERY HOLD DOWN .....	8-11
3 BATTERY HOLD DOWN .....	8-11
4 BATTERY OPTION .....	8-11
8-GROOVE BELT .....	4-9

## A

A/C COMPRESSOR INSTALLATION .....	4-15
A/C COMPRESSOR, R134A, 8K-GROOVE, CURBSIDE .....	4-15
A/C COMPRESSOR, R134A, A-GROOVE, ROADSIDE .....	4-15, 4-19
ABS MODULATION VALVE .....	3-13
ADJUSTER, SLACK, LH .....	2-5, 2-20
ADJUSTER, SLACK, RH .....	2-5, 2-20
AIR CHARGE TUBE (CURBSIDE) .....	6-15
AIR CHARGE TUBE (ROADSIDE) .....	6-15
AIR DRYER ASSEMBLY .....	3-5
AIR SPRING, AH-28 .....	2-15
AIR SPRING, FRONT SUSPENSION .....	2-3
AIR SPRING, REAR SUSPENSION .....	2-11
ALTERNATOR, 200 AMP .....	4-9, 4-11
ARM, STEERING GEAR BOX .....	7-9
AXLE, FRONT, 1997, AH28 16" BRA .....	2-3
AXLE, FRONT, AH28 W/O ABS .....	2-3
AXLE, FRONT, AH28, ABS-READY .....	2-3
AXLE, FRONT, AH-28, RT-52, AMTV T .....	2-3
AXLE, REAR, 4.63 RATIO, 24" BRAK .....	2-9
AXLE, REAR, 4.88 RATIO .....	2-9
AXLE, REAR, 5.86 RATIO .....	2-9

## B

BAND CLAMP, 3" BAND .....	5-8
BAND CLAMP, 5 1/2" .....	5-8
BAR .....	4-30
BATTERY CABLE, BLA .....	8-11
BATTERY CABLE, BLACK .....	8-11, 8-11, 8-12
BATTERY CABLE, RED .....	8-11, 8-11, 8-11, 8-11, 8-12
BATTERY HOLD DOWN .....	8-11
BATTERY INSTALLATION .....	8-3
BATTERY SKIRT ASSEMBLY (SEE FIGURE 9-27 FOR BKDN) .....	9-61, 9-91
BATTERY, 12V, 1150 CCA (MIN), GROUP 8D .....	8-11
BATTERY, 12V, 700 CCA (MIN), GROUP 31 .....	8-11
BEARING CONE .....	2-19, 2-19, 2-19, 2-19
BEARING CONE 1.875 ID .....	2-19
BEARING CUP .....	2-19, 2-19, 2-19
BEARING CUP 3.75 OD .....	2-19
BEARING CUP, 4.4375 OD .....	2-19
BEARING, CONE, INNER R/W .....	2-6
BEARING, CONE, OUTER .....	2-6
BELL .....	9-5
BELL ASSEMBLY .....	9-3
BELL GONG ASSEMBLY .....	9-5
BELL ROPE HANDLE .....	9-3
BELL, CAST BRASS .....	9-3
BEZEL ASSEMBLY, INNER .....	9-16
BEZEL ASSEMBLY, OUTER .....	9-16
BOLT ASSY, ECCENTRIC .....	2-3
BOOT-STEERING COLUMN .....	7-7

BRACKET, ALTERNATOR .....	4-11
BRACKET, CIRCUIT BREAKER, 4 STATION .....	8-15
BRACKET, IDLER .....	4-15
BRACKET, RADIATOR MOUNT, CURBSIDE .....	6-4
BRACKET, RADIATOR MOUNT, ROADSIDE .....	6-4
BRUSH ASM TRW .....	7-7
BUMPER WELDMET .....	9-9
BUSS BAR .....	8-6
BUTTON, HORN .....	7-7

## C

CABLE ASSEMBLY, J-BOX DOOR .....	9-47
CAMSHAFT, LH (R/W) .....	2-5
CAMSHAFT, RH (R/W) .....	2-5
CASE, DIFFERENTIAL ASSEMBLY .....	2-19
CENTER BEARING, 1.7717-1.772 .....	4-31
CHAMBER, AIR TYPE 16 (MIDLAND) .....	2-6
CHAMBER, BRAKE, LH .....	2-20
CHECK VALVE, BALL CONTROL .....	5-3
CHECK VALVE, DOUBLE .....	3-14
CHECK VALVE, TWO WAY .....	3-19
CIRCUIT BREAKER, 10A .....	8-9
CIRCUIT BREAKER, 15A .....	8-9
CIRCUIT BREAKER, 20A .....	8-16
CIRCUIT BREAKER, 20A .....	8-9
CIRCUIT BREAKER, 30A .....	8-16
CIRCUIT BREAKER, 30A .....	8-9
CIRCUIT BREAKER, 8A .....	8-9
CLAMP BRACKET .....	4-11
CLOSEOUT, FENDERETTE .....	9-49
CLUTCH, FAN .....	4-13
COLUMN, STEERING (TRW) .....	7-7
COMPANION FLANGE, 6.12" B.C. .....	4-29
COMPRESSOR, AIR .....	4-7
COMPRESSOR, AIR CONDITIONING, R134A, 8-GROOVE .....	4-9
COMPRESSOR, AIR CONDITIONING, R134A, A-GROOVE .....	4-7
CONTROL MODULE, ELECTRONIC .....	4-7
CONTROL VALVE ASSEMBLY, SPRING BRAKE .....	3-13
CONTROL VALVE, AIR, WEATHER-PROOF .....	3-19
CONTROL VALVE, SPRING BRAKE .....	3-13
COOLING SYSTEM INSTALLATION .....	6-11, 6-14
COOLING SYSTEM INSTALLATION ISB02 .....	6-3
COVER ASSEMBLY, HEADLIGHT, CURBSIDE .....	9-17
COVER ASSEMBLY, HEADLIGHT, ROADSIDE .....	9-17
COVER, LOWER FRONT FIBERGLASS .....	9-49
COW CATCHER WELDMET .....	9-13
CROSSMEMBER, RADIATOR .....	6-4
CUMMINS ISB02 ENGINE - 200 HP .....	4-3
CUMMINS ISB02 ENGINE - 245 HP .....	4-3
CUPOLA ASSEMBLY .....	9-23
CUST CAP. 1" ID .....	3-23

## D

DASH COMPONENT BRACKET ASSEMBLY, B300 INSTALLATION .....	8-15
DASH COMPONENT BRACKET ASSEMBLY, B300R INSTALLATION .....	8-15
DEFLECTOR, FORWARD, CURBSIDE .....	9-43
DEFLECTOR, FORWARD, ROADSIDE .....	9-43

# Alphabetical Index

DEUTSCH CONNECTOR PARTS .....	8-26
DIPSTICK-STEERING BOX .....	7-3
DOME LIGHT ASSEMBLY .....	8-25
DOWEL, TAPPERED .....	2-20
DRAG LINK .....	7-9
DRAIN VALVE .....	5-3
DRIP CAP INSTALLATION .....	9-51
DRIVE LINE ASSEMBLY, FRONT .....	4-31
DRIVE LINE INSTALLATION .....	4-29
DRIVE SHAFT, FRONT (SEE FIGURE 4-12 FOR BKDN) .....	4-29
DRIVE SHAFT, REAR .....	4-29
DRUM, BRAKE .....	2-19
DRYER, AIR .....	3-5

## E

ELAY, 40A .....	8-9
ELEMENT CARTRIDGE .....	7-3
END YOKE, 1 3/4-10 SPLINE .....	4-31
ENGINE COMPONENT BRACKET, B300 ONLY .....	8-3
ENGINE COMPONENT BRACKET, B300R ONLY .....	8-3
ENGINE INSTALLATION - ISB02 .....	4-3
ENGINE MOUNT WELDMET - CURBSIDE .....	4-3
ENGINE MOUNT WELDMET - ROADSIDE .....	4-3
ENGINE OIL FILL TUBE INSTALLATION .....	4-5
EXHAUST BLANKET, AFT MUFFLER .....	5-8
EXHAUST BLANKET, FORWARD MUFFLER .....	5-8
EXHAUST BLANKET, LOWER CROSSOVER .....	5-8
EXHAUST BLANKET, SEAM .....	5-8
EXHAUST BLANKET, UPPER CROSSOVER .....	5-8
EXHAUST TUBE .....	5-8
EXHAUST TUBE, AFT END TAILPIPE .....	5-8
EXHAUST TUBE, AFT MUFFLER .....	5-8
EXHAUST TUBE, LOWER CROSSOVER .....	5-8
EXHAUST TUBE, OVER AXLE .....	5-8
EXHAUST TUBE, UPPER CROSSOVER .....	5-8
EXTERIOR DECAL, BATTERY MASTER SWITCH .....	9-45
EXTERIOR DECAL, CAUTION BATTERY MASTER SWITCH .....	9-45
EXTERIOR DECAL, DOORS OPEN OUT .....	9-45
EXTERIOR DECAL, IMPORTANT BATTERY MASTER .....	9-45
EXTERIOR DECAL, INTERNATIONAL HANDICAPPED SYMBOL .....	9-45
EXTERIOR WINDOW END FILLER .....	9-33
EXTERIOR WINDOW FILLER .....	9-33
EXTERIOR WOOD TRIM INSTALLATION .....	9-57
EXTERIOR WOOD TRIM INSTALLATION, FRONT & REAR WALL .....	9-53

## F

FAN INSTALLATION .....	4-9
FAN, 24"Ø .....	4-13
FAST FUEL ADAPTER .....	5-3
FENDERETTE .....	9-49
FILL PLATE ASSEMBLY .....	6-5
FILTER, OIL .....	4-9
FLANGE YOKE, 6.12" B.C. .....	4-29
FLANGE YOKE, 7.25" B.C. .....	4-29
FLASHER, 3 TERMINAL .....	8-9
FOOT SHIM, FRONT .....	9-23
FOOT SHIM, REAR .....	9-23
FORWARD OF AFT DOOR SKIRT ASSEMBLY, (SEE FIGURE 9-32 FOR .....	

BKDN) .....	9-61, 9-91
FORWARD SKIRT ASSEMBLY, AC (SEE FIGURE 9-28 FOR BKDN) .....	9-91
FORWARD SKIRT ASSEMBLY, NON/AC (SEE FIGURE 9-28 FOR BKDN) .....	9-61
FRONT AND REAR MUD FLAP INSTALLATION .....	9-36
FRONT BUMPER .....	9-9
FRONT CLEARANCE LIGHT ASSEMBLY .....	8-19, 8-19
FRONT SKIRT ASSEMBLY, INCANDESCENT LIGHTS, CURBSIDE, (SEE FIGURE 9-30 FOR BKDN) .....	9-61, 9-91
FRONT SKIRT ASSEMBLY, INCANDESCENT LIGHTS, ROADSIDE (SEE FIGURE 9-26 FOR BKDN) .....	9-61, 9-91
FRONT SKIRT ASSEMBLY, L.E.D. LIGHTS, CURBSIDE, SEE FIGURE 9-30 FOR BKDN) .....	9-61, 9-91
FRONT SKIRT ASSEMBLY, L.E.D. LIGHTS, ROADSIDE (SEE FIGURE 9-26 FOR BKDN) .....	9-61, 9-91
FUEL HOSE (INLINE FILTER TO ENGINE) .....	5-5
FUEL HOSE (RETURN LINE) .....	5-5
FUEL HOSE (TANK TO INLINE FILTER) .....	5-5
FUEL SENDER UNIT .....	5-3
FUEL SKIRT ASSEMBLY WITH EXTERNAL SPEAKER, (SEE FIGURE 9-31 FOR BKDN) .....	9-61, 9-91
FUEL SKIRT ASSEMBLY, (SEE FIGURE 9-31 FOR BKDN) .....	9-61, 9-91
FUEL STRAINER, INLINE .....	5-5
FUEL SYSTEM INSTALLATION .....	5-3, 5-5
FUSE BLOCK LIMITER .....	8-5
FUSE LIMITER, 400A .....	8-5
FUSE, 125A .....	8-6
FUSE, GLASS, 10A .....	8-6
FUSE, GLASS, 5A .....	8-6

## G

GAS SPRING .....	9-21
GASKET, AXLE (R/W) .....	2-20
GASKET-P/S PUMP .....	7-3
GASKET-STEERING BOX .....	7-3
GAUGE, AIR PRESSURE .....	8-31
GAUGE, FUEL, ELECTRONIC .....	8-31
GAUGE, OIL PRESSURE .....	8-31
GAUGE, VOLTMETER .....	8-31
GAUGE, WATER TEMPERATURE .....	8-31
GEAR ASSEMBLY, STEERING .....	7-9
GEAR BOX & HYDRAULIC INSTALLATION .....	7-3
GEAR BOX ASSEMBLY .....	7-3
GEAR SET ASSEMBLY, 4.56 .....	2-19
GEAR SET, 4.88 .....	
1 .....	2-19
GONG .....	9-7
GOVERNOR .....	3-6
GOVERNOR ASSEMBLY .....	3-6
GRILLE PANEL ASSEMBLY, ISB02 .....	9-15
GRILLE PANEL, FIBERGLASS .....	9-15
GRILLE SUPPORT ARM ASSEMBLY .....	9-21
GUARD .....	4-29, 4-29

## H

HEAD LIGHT ASSEMBLY .....	9-15
---------------------------	------

# Alphabetical Index

HEADLIGHT ASSEMBLY .....	9-15, 9-16
HEADLIGHT ASSEMBLY, CENTER .....	9-35
HEADLIGHT, WAGNER H6024 .....	9-16
HORIZONTAL OVERFLOW PIPE .....	5-3
HORN, HI TONE .....	8-3
HORN, LO TONE .....	8-3
HOSE ASSEMBLY, 1/4" .....	3-6
HOSE ASSEMBLY, 3/4" .....	3-6
HOSE ASSEMBLY, AIR BRAKE (FRONT) .....	3-15
HOSE ASSEMBLY, AIR BRAKE (REAR) .....	3-15
HOSE ASSEMBLY, TRANSMISSION IN/CS RADIATOR FITTING	4-21
HOSE ASSEMBLY, TRANSMISSION OUT/RS RADIATOR FITTING	4-21
HOSE, 1/2" BROWN .....	3-15
HOSE, 1/2" GREEN .....	3-15
HOSE, 1/2" RED .....	3-15
HOSE, 1/4" BLACK .....	3-25
HOSE, 1/4" GREEN .....	3-25
HOSE, 1/4" RED .....	3-25
HOSE, 3/8" BLACK .....	3-25
HOSE, 3/8" BROWN .....	3-15, 3-25
HOSE, 3/8" GREEN .....	3-15
HOSE, 3/8" ORANGE .....	3-25
HOSE, 3/8" RED .....	3-15
HOUR METER .....	8-6
HUB & DRUM ASSEMBLY, FRONT, LH .....	2-6
HUB & DRUM ASSEMBLY, FRONT, RH .....	2-6
HUB & STUD ASSEMBLY, LH (R/W) .....	2-19
HUB & STUD ASSEMBLY, RH (R/W) .....	2-19
HUB CAP ASSEMBLY, R/W .....	2-5

I	
INDICATOR LIGHT MODULE .....	8-31
INDICATOR, LOW PRESSURE .....	3-20
INTERIOR WINDOW END FILLER .....	9-33
INTERIOR WINDOW FILLER .....	9-33
ISOLATOR, ENGINE MOUNT .....	4-3
ISOLATOR, TRANSMISSION MOUNT .....	4-25

J	
J-BOX CLOSEOUT, EXTERIOR .....	9-49
J-BOX DOOR AND FRAME INSTALLATION .....	9-47
J-BOX DOOR HINGE ASSEMBLY .....	9-47
JOURNAL BEARING KIT, 1600/1610 .....	4-31
JUNCTION BOX .....	8-3

K	
KIT, BRAKE LINING, FRT (R/W) .....	2-5
KIT, BRAKE SHOE HARDWARE, FRT/REA .....	2-5
KIT, BRAKE SHOE, FRONT (RW) .....	2-5
KIT, CLEVIS-SLACK ADJUSTERS .....	2-3
KIT, DIFFERENTIAL (R/W) .....	2-19
KIT, FASTENER, REAR SUSPENSION .....	2-11, 2-15
KIT, KING PIN (R/W) .....	2-6
KIT, SWAY BAR SHIM .....	2-11, 2-15

KNOB, PLAIN .....	3-23
-------------------	------

## L

LATCH, J-BOX DOOR .....	9-47
LEVEL CONTROL VALVE .....	5-3
LIGHT ASSEMBLY, BACK-UP, 4", CLEAR, INCANDESCENT, 12V	8-23
LIGHT ASSEMBLY, TAIL/STOP, 4" ROUND, RED, INCANDESCENT	8-23
LINKAGE ASSEMBLY .....	3-9, 3-9, 3-10
LOW COOLANT MODULE, 12/24VDC .....	8-15
LOWER BEAM ASSEMBLY C/S RD/W .....	2-9
LOWER BEAM ASSEMBLY R/S RD/W .....	2-9
LOWER EXTERIOR SKIN INSTALLATION .....	9-49
LOWER RADIATOR TUBE, B300 .....	6-11

## M

MAG VALVE ASSEMBLY .....	9-5
MANIFOLD BLOCK .....	3-19, 3-25, 8-5
MANIFOLD PLATE .....	3-25
MANIFOLD PLATE ASSEMBLY .....	3-23
MICROSWITCH .....	9-16
MIRROR CONTROLLER ASSEMBLY .....	9-11
MIRROR, CONVEX .....	9-11
MIRROR, CURBSIDE .....	9-11
MIRROR, ROADSIDE .....	9-11
MOUNT, ANGLE, CURBSIDE .....	9-9
MOUNT, RADIATOR ISOLATOR .....	6-5
MOUNT, TRANSMISSION SUPPORT, CURBSIDE .....	4-25
MOUNT, TRANSMISSION SUPPORT, ROADSIDE .....	4-25
MOUNTING BRACKET, COMPRESSOR .....	4-15
MUFFLER, NON CATALYTIC .....	5-8

## N

NUMBER PLATE .....	9-15
NUT, LUG BEARING, INNER .....	2-19
NUT, LUG LH .....	2-6, 2-19, 2-19
NUT, LUG RH .....	2-6
NUT, LUG, RH .....	2-19, 2-19
NUT, WHEEL BEARING, OUTER .....	2-20

## O

OIL COOLER, TRANSMISSION .....	6-14
OIL FILL CAP .....	4-5
OIL FILL TUBE .....	4-5
OIL FILL TUBE ASSEMBLY .....	4-5
OIL PRESSURE SENDER, 80 PSI .....	8-5
OIL PRESSURE SWITCH .....	8-5

# Alphabetical Index

## P

PAD, MOUNTING	2-9
PAD, MOUNTING, TAPPED	2-9
PARK/TURN LIGHT ASSEMBLY	8-23
PIN, ANCHOR (R/W)	2-5
PIN, BRAKE SHOE RETURN SPGR/W	2-5
PIPING BOARD	3-19
PIPING BOARD ASSEMBLY	8-3
PIPING BOARD ASSEMBLY, DIESEL	3-16
PLATE-STEERING COLUMN	7-7
PRESSURE RELIEF VALVE	5-3
PRESSURE STAT SWITCH, 6 PSI	8-5
PULLEY, ALTERNATOR	4-11
PULLEY, IDLER, 4.5"	4-15
PUMP P/S (CUMMINS)	7-3
PUMP, POWER STEERING	4-7
PUMP-POWER STEERING (PARKER)	7-3
PUSHBUTTON BOOT	9-16

## Q

QUICK DISCONNECT, 1/4 FPT	3-23
---------------------------	------

## R

RADIATOR TUBE, LOWER	6-15
RADIATOR, B300R	6-14
RADIATOR/CHARGE AIR COOLER	6-11
REAR CLEARANCE LIGHT ASSEMBLY	8-19, 8-19
REAR SKIRT ASSEMBLY, AC (SEE FIGURE 9-29 FOR BKDN)	9-61, 9-91
REAR SKIRT ASSEMBLY, CURBSIDE, (SEE FIGURE 9-33 FOR BKDN)	9-61, 9-91
REAR SKIRT ASSEMBLY, NON/AC (SEE FIGURE 9-29 FOR BKDN)	9-61
RECTIFIER ASSEMBLY	3-19, 8-6, 8-6, 8-6
REFLECTOR, RED, 1 7/8 X 4 3/8	8-23
RELAY HOUSING	8-5
RELAY SOCKET	8-15
RELAY VALVE ASSEMBLY, FRONT	3-14
RELAY VALVE ASSEMBLY, REAR	3-13
RELAY, 12V 40/30A	8-5
RELAY, 12V, 40/30A	8-16
RELAY, GRID HEATER, 120A	8-6
RELAY, PANEL MOUNT, DPDT	8-6
RESERVOIR ASM HYD STEER/GBOX	7-3
ROD, FRONT LINKAGE, 3/16 X 9	3-10
ROD, REAR LINKAGE, 3/16 X 12	3-9, 3-9

## S

SCREEN	9-19
SCREEN ASSEMBLY	9-15
SCREEN, FRAME, CORNER	9-19
SCREEN, FRAME, HORIZONTAL	9-19
SCREEN, FRAME, LOWER	9-19
SCREEN, FRAME, UPPER	9-19
SCREEN, FRAME, VERTICA	9-19

SEAL (R/W)	2-19, 2-20
SEAL, J-BOX DOOR, BULB, RUBBER	9-47
SEAL, OIL (R/W)	2-5, 2-20
SEAL, PINION (R/W)	2-19
SHAFT ASSEMBLY, INTERMEDIATE	7-7
SHAFT, AXLE, LH	2-20
SHAFT, AXLE, RH	2-20
SHOCK ABSORBER, FRONT	2-3
SHOCK ARM ASSEMBLY	9-21
SHOCK ASSEMBLY, AH-28	2-15
SHOCK, REAR SUSPENSION	2-11
SHROUD-STEERING COLUMN	7-7
SIDE CLEARANCE LIGHT	8-19
SKIN, EXTERIOR ROADSIDE FORWARD	9-49
SKIN, EXTERIOR, CURBSIDE	9-49
SKIN, EXTERIOR, CURBSIDE AFT	9-49
SKIN, EXTERIOR, RAODSIDE AFT JUNCTION BOX	9-49
SKIN, EXTERIOR, REAR WALL	9-49
SKIN, EXTERIOR, ROADSIDE AFT	9-49
SKIN, EXTERIOR, ROADSIDE FORWARD	9-49
SKIN, EXTERIOT, CURBSIDE FORWARD	9-49
SNAP BUSHING	3-25
SOCKET, POST LIGHT	8-31
SPACER - CURBSIDE ONLY	4-3
SPEAKER GRILLE	8-25
SPEAKER, 4"	8-25
SPEEDOMETER, B300/B300R	8-31
SPIDER BRAKE ASSEMBLY	2-20
SPRING, BRAKE RETAINER (R/W)	2-20
SPRING, BRAKE RETURN (R/W)	2-20
SPRING, BRAKE SHOE ROLLER RETAINER	2-5
SPRING, BRAKE, RETAINER (R/W)	2-5
SPRING, BRAKE, RETURN (RW)	2-5
STARTER MOTOR	4-9
STEERING ARM, (R/W)	2-5
STEERING COLUMN INSTALLATION	7-7
STEERING KNUCKLE ASSEMBLY, LH	2-5
STEERING KNUCKLE ASSEMBLY, RH	2-5
STOP	9-21
STUD (R/W)	2-19
STUD LH	2-6
STUD RH	2-6
STUD, WHEEL, LH	2-6, 2-19
STUD, WHEEL, RH	2-6, 2-19
SURGE TANK	6-3
SWAY BAR BRACKET ASSEMBLY RD/W	2-9
SWAY BAR, 20 1/16"	2-11, 2-15
SWITCH	8-29, 8-32
SWITCH, BELL	8-31
SWITCH, COVER, CURBSIDE	9-16
SWITCH, COVER, ROADSIDE	9-16
SWITCH, DIMMER, SLIDE	8-31
SWITCH, LAMP TEST	8-31
SWITCH, ROCKER	8-32
SWITCH, ROCKER, FLASHER	8-29
SWITCH, ROCKER, HI / LOW	8-31
SWITCH, STOPLIGHT	3-19
SWITCH, W / INDICATOR LIGHT	8-29

## T

TAG LIGHT ASSEMBLY	8-23
--------------------	------

# Alphabetical Index

TAILLIGHT OFFSET WEDGE .....	8-23
TAILLIGHT RISER, 4" .....	8-23
TANK ASSEMBLY, AUXILIARY .....	3-3
TANK ASSEMBLY, FRONT BRAKE .....	3-3
TANK ASSEMBLY, REAR BRAKE .....	3-4
TANK ASSEMBLY, WET .....	3-5
TANK STRAP .....	5-5
TANK SUPPORT BRACKET .....	5-5
TANK WHISTLE .....	5-3
TANK, AIR, 8 x 26 .....	3-3, 3-4, 3-5
TANK, AIR, 8" OD x 26" .....	3-3
TANK, FUEL, 75 GALLON .....	5-3
TANK, FUEL, 75 GALLON W/FAST FILL FLANGE .....	5-3
T-BEAM ASSEMBLY 18" LG, STRAIGHT .....	2-15
T-BEAM ASSEMBLY, 18" LG, STRAIGHT .....	2-11
TIE ROD ARM, LH (R/W) .....	2-5
TIE ROD ARM, RH (R/W) .....	2-5
TIE ROD END, LH (R/W) .....	2-5
TIE ROD END, RH (R/W) .....	2-5
TORQUE ROD ASSEMBLY 18" .....	2-15
TORQUE ROD ASSEMBLY, 18" .....	2-11, 2-15
TOW EYE .....	9-9
TRANSMISSION ECU .....	8-3
TRANSMISSION INSTALLATION B300 .....	4-21
TRANSMISSION INSTALLATION, B300R .....	4-25
TRANSMISSION, B300 .....	4-21
TRANSMISSION, B300R .....	4-25
TRIM, SKIRT .....	9-49
TUBE, BLACK, 1/4" OD .....	3-6
TUBE, BLACK, 3/8" .....	3-20
TUBE, GREEN, 1/2" OD .....	3-6
TUBE, GREEN, 3/4" OD .....	3-6
TUBE, GREEN, 3/8" .....	3-20
TUBE, GREEN, 3/8" OD .....	3-6
TUBE, NYLON, BLACK, 3/8"OD x 41.0' .....	3-10
TUBE, OIL COOLER (TO ENGINE) .....	6-14
TUBE, OIL COOLER (TO RADIATOR) .....	6-14
TUBE, ORANGE, 3/8" .....	3-20
TUBE, RED, 3/8" .....	3-20
TUBE, YELLOW, 1/4" OD .....	3-6
TURN SIGNAL & DIMMER SWITCH ASSEMBLY .....	8-3
TURNDOWN TAILPIPE .....	5-8
VALVE, HEIGHT CONTROL, LEFT REAR .....	3-9
VALVE, HEIGHT CONTROL, RIGHT REAR .....	3-9
VALVE, INVERSION .....	3-14
VALVE, REGULATING, PRESSURE .....	3-20
VALVE, RELAY .....	3-13
V-BELT .....	4-9
VIBRATION MOUNT, 5/16-18 .....	5-8, 5-9, 5-9, 5-9, 5-10

## W

WASHER CONTROL VALVE .....	9-41
WHEEL, STEERING .....	7-7
WHISTLE, TANK .....	5-3
WINDOW INSTALLATION .....	9-29
WINDOW INSTILLATION (FULL SLIDERS) .....	9-25
WINDOW, END, CUPOLA .....	9-23
WINDOW, SIDE, CUPOLA .....	9-23
WINDSHIELD WASHER BOTTLE, 3-QUART .....	9-39
WINDSHIELD WASHER CONTROL .....	9-39
WINDSHIELD WASHER PUMP .....	9-39
WINDSHIELD WIPER ARM ASSEMBLY .....	9-39
WINDSHIELD WIPER ARM BUSHING .....	9-41
WINDSHIELD WIPER BLADE, 20" .....	9-39
WINDSHIELD WIPER CONTROL .....	9-39
WINDSHIELD WIPER MOTOR .....	9-39, 9-41
WINDSHIELD WIPER MOTOR REBUILD KIT .....	9-41
WIPER CONTROL VALVE .....	9-41

## U

U-BOLT SPACER ASSEMBLY RD/W .....	2-15
UPPER RADIATOR TUBE .....	6-14
UPPER RADIATOR TUBE, B300 .....	6-11
UPPER RADIATOR TUBE, B300 ONLY .....	6-4
UPPER RADIATOR TUBE, B300R ONLY .....	6-4

## V

VALVE ASSEMBLY, INVERSION .....	3-14
VALVE ASSEMBLY, PARK BRAKE .....	3-23
VALVE, AIR .....	3-23
VALVE, AIR BRAKE PROTECT .....	3-3
VALVE, BALL, W/T-HANDLE .....	3-3, 3-3, 3-4, 3-5
VALVE, CHECK, 1 WAY .....	3-3
VALVE, HEIGHT CONTROL, FRONT (LEFT AND RIGHT) .....	3-9

# Alphabetical Index