DISC BRAKE CALIPERS (Continued)

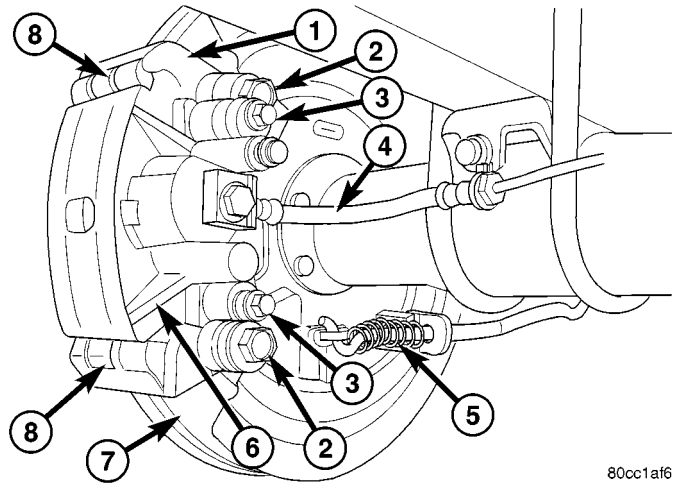


Fig. 18 DISC BRAKE CALIPER - REAR

1 - CALIPER ADAPTER
2 - CALIPER ADAPTER MOUNTING BOLTS
3 - CALIPER SLIDE BOLTS
4 - BRAKE HOSE
5 - CABLE
6 - CALIPER
7 - ROTOR
8 - ANTI-RATTLE CLIPS

(2) Raise and support the vehicle.
(3) Remove the tire and wheel assembly.
(4) Compress the disc brake caliper.
(5) Remove the banjo bolt and discard the copper washer.
(6) Remove the caliper slide pin bolts.
(7) Remove the disc brake caliper (Fig. 19) or (Fig. 20).

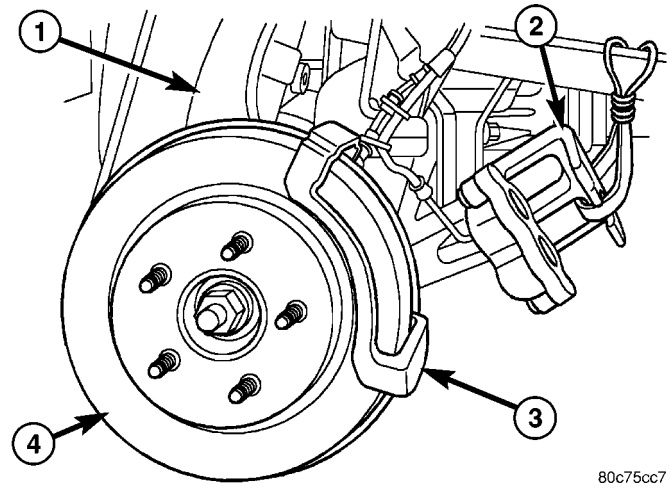


Fig. 19 DISC BRAKE CALIPER - FRONT

1 - STEERING KNUCKLE
2 - DISC BRAKE CALIPER
3 - CALIPER MOUNTING ADAPTER
4 - DISC BRAKE ROTOR

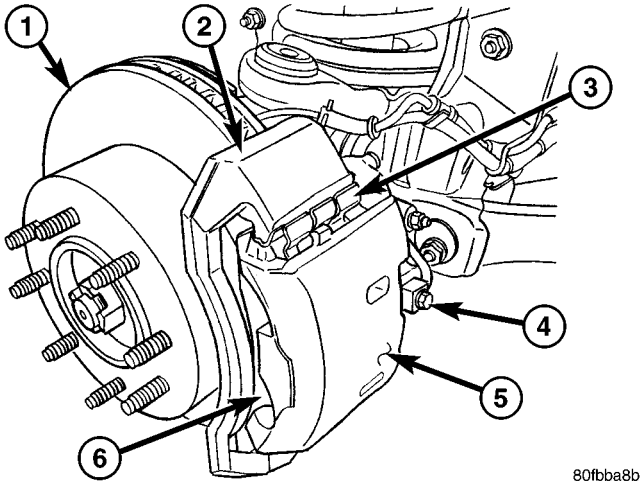


Fig. 20 8 LUG ROTOR & CALIPER ASSEMBLY

1 - ROTOR
2 - CALIPER ADAPTER
3 - ANTI-RATTLE CLIPS
4 - BRAKE HOSE WITH BANJO BOLT
5 - DISC BRAKE CALIPER
6 - OUTBOARD BRAKE PAD

DISASSEMBLY

(1) Drain the brake fluid from caliper.
(2) C-clamp a block of wood over one piston (Fig. 21).

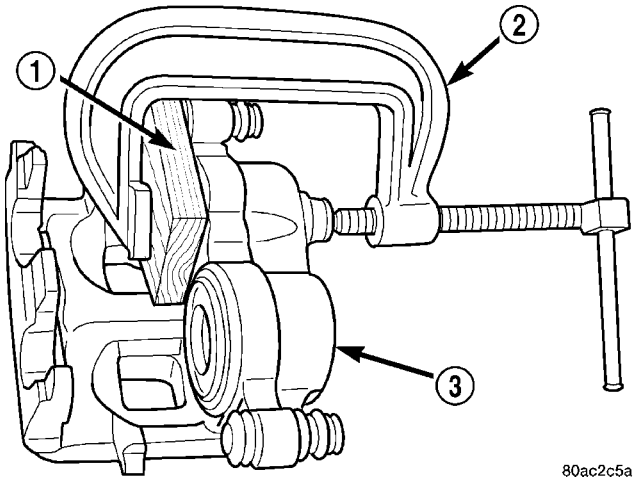


Fig. 21 C-Clamp One Piston

1 - BLOCK OF WOOD
2 - C-CLAMP
3 - CALIPER

(3) Take another piece of wood and pad it with one-inch thickness of shop towels. Place this piece in the outboard shoe side of the caliper in front of the other piston. This will cushion and protect caliper piston during removal (Fig. 22).
(4) To remove the caliper piston direct **short bursts of low pressure air** with a blow gun through the caliper brake hose port. Use only enough air pressure to ease the piston out.

A/C CONDENSER (Continued)

(5) Disconnect the condenser cooling fan electric connector.

(6) Remove the two nuts that secure the condenser studs to the upper cross brace. (Fig. 5).

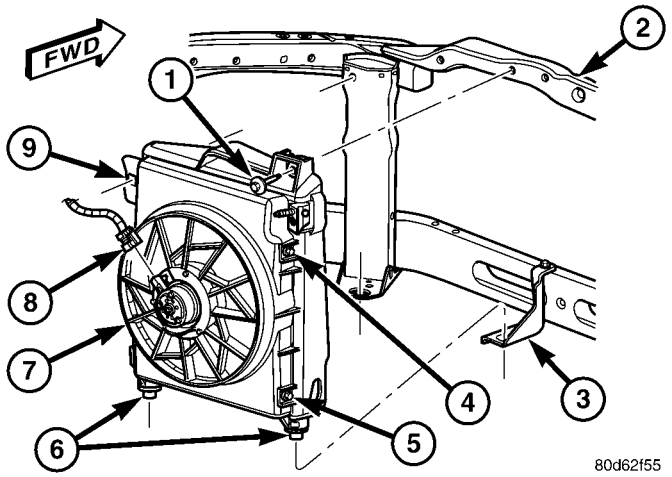


Fig. 5 Condenser Module

1 - Condensor Module Mounting Screw
2 - Front Cross Member
3 - Lower Module Mounting Flang
4 - Fan Assembly Mounting Screw
5 - Fan Assembly Mounting Screw
6 - Condensor Mounting Tabs
7 - Condensor Fan Assembly
8 - Fan Power Connector
9 - Condensor Module Mounting Screw

(7) Remove the condenser and fan assembly from the vehicle.

REMOVAL - 5.9L DIESEL ENGINE

WARNING: REVIEW THE WARNINGS AND CAUTIONS IN THE FRONT OF THIS SECTION BEFORE PERFORMING THE FOLLOWING OPERATION. (Refer to 24 - HEATING & AIR CONDITIONING/ PLUMBING - WARNING) (Refer to 24 - HEATING & AIR CONDITIONING/PLUMBING - CAUTION)

(1) Disconnect and isolate the battery negative cable.

(2) Recover the refrigerant from the refrigerant system. (Refer to 24 - HEATING & AIR CONDITIONING/PLUMBING - STANDARD PROCEDURE - REFRIGERANT RECOVERY)

(3) Remove the nut that secures the block fitting to the stud on the condenser inlet, and disconnect the discharge line from the condenser. Install plugs in, or tape over all of the opened refrigerant line fittings.

(4) Disconnect the refrigerant line fitting that secures the liquid line to the condenser outlet. (Refer to 24 - HEATING & AIR CONDITIONING/PLUMBING - STANDARD PROCEDURE - A/C LINE COUPLER) Install plugs in, or tape over all of the opened refrigerant line fittings.

(5) On diesel engine models:

(a) Remove the two screws that secure the brackets on the passenger side end of the condenser to the charge air cooler (Fig. 6).

(b) Remove the two nuts that secure the driver side end of the condenser to the studs on the charge air cooler.

(c) Remove the condenser from the vehicle.

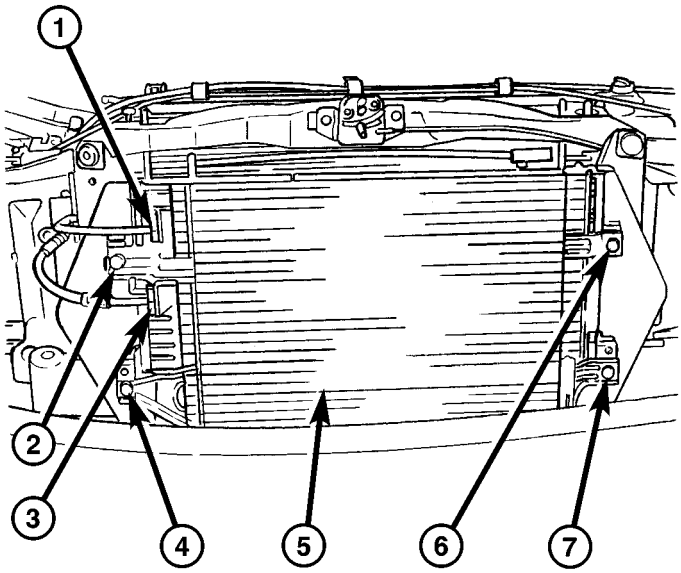


Fig. 6 CONDENSER - DIESEL ENGINE

1 - Discharge line to condenser
2 - Condensor mounting bolt
3 - Liquid Line
4 - Condenser mounting bolt
5 - A/C condenser
6 - Condenser mounting bolt
7 - Condenser mounting bolt

REMOVAL - 8.0L Engine

WARNING: REVIEW THE WARNINGS AND CAUTIONS IN TEH FRONT OF THIS SECTION BEFORE PERFORMING THE FOLLOWING OPERATION(Refer to 24 - HEATING & AIR CONDITIONING/PLUMBING - WARNING) AND (Refer to 24 - HEATING & AIR CONDITIONING/PLUMBING - CAUTION).

(1) Remove battery negative cable.

(2) Recover refrigerant from a/c system(Refer to 24 - HEATING & AIR CONDITIONING/PLUMBING - STANDARD PROCEDURE).

BUSHINGS (Continued)

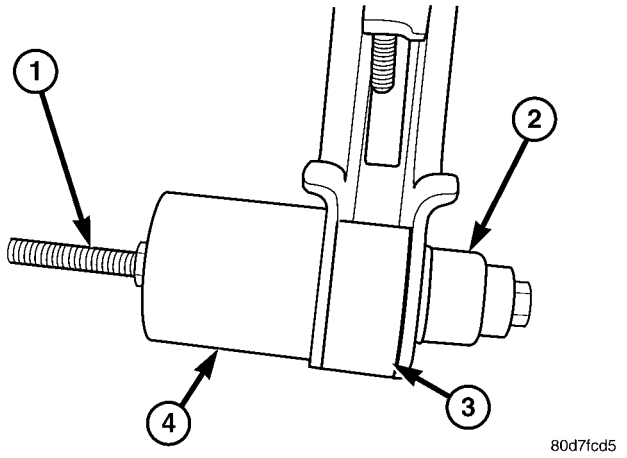


Fig. 5 TORSION BAR CROSS MEMBER BUSHING - REMOVAL

1 - 8838
2 - 8835-1
3 - 8835-4
4 - 8835-3

LARGE BUSHING

(1) Install bushing remover tools 8836-2 (receiver), 8836-4 (spacer) and 8836-5 (driver) with the threaded rod 8839 and the bearing as shown (Fig. 6) for replacement of the large bushing.

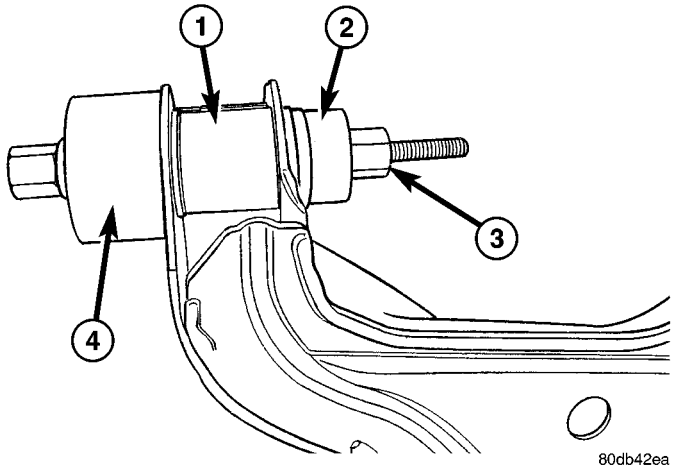


Fig. 6 LARGE LOWER CONTROL ARM BUSHING - REMOVAL

1 - 8836-4 (SPACER)
2 - 8836-5 (DRIVER)
3 - 8839 (THREADED ROD)
4 - 8836-2 (RECEIVER)

SMALL BUSHING

(1) Install the bushing tool 8836-6 (driver), 8836-3 (spacer) and 8836-2 (receiver) with the threaded rod 8839 and the bearing as shown for the replacement of the small bushing (Fig. 7)

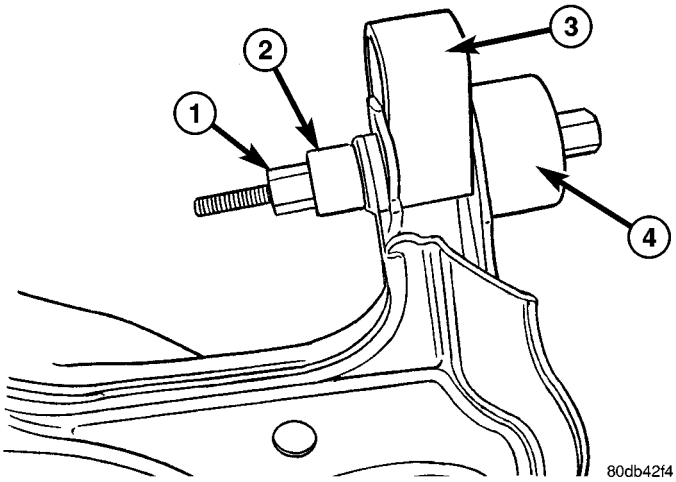


Fig. 7 SMALL LOWER CONTROL ARM BUSHING - REMOVAL

1 - 8839 (THREADED ROD)
2 - 8836-6 (DRIVER)
3 - 8836-3 (SPACER)
4 - 8836-2 (RECEIVER)

INSTALLATION **copied from acprc**

INSTALLATION - LOWER CONTROL ARM BUSHINGS - 4WD (LD)

NOTE: Be careful to properly orient the bushing voids in the correct position to within ± 10°. The correct position places the long narrow void outboard of the bushing and the short wide void inboard of the bushing (Fig. 8).

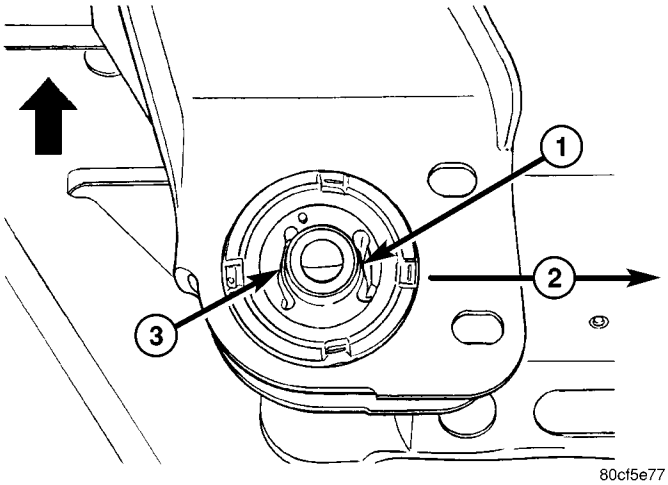
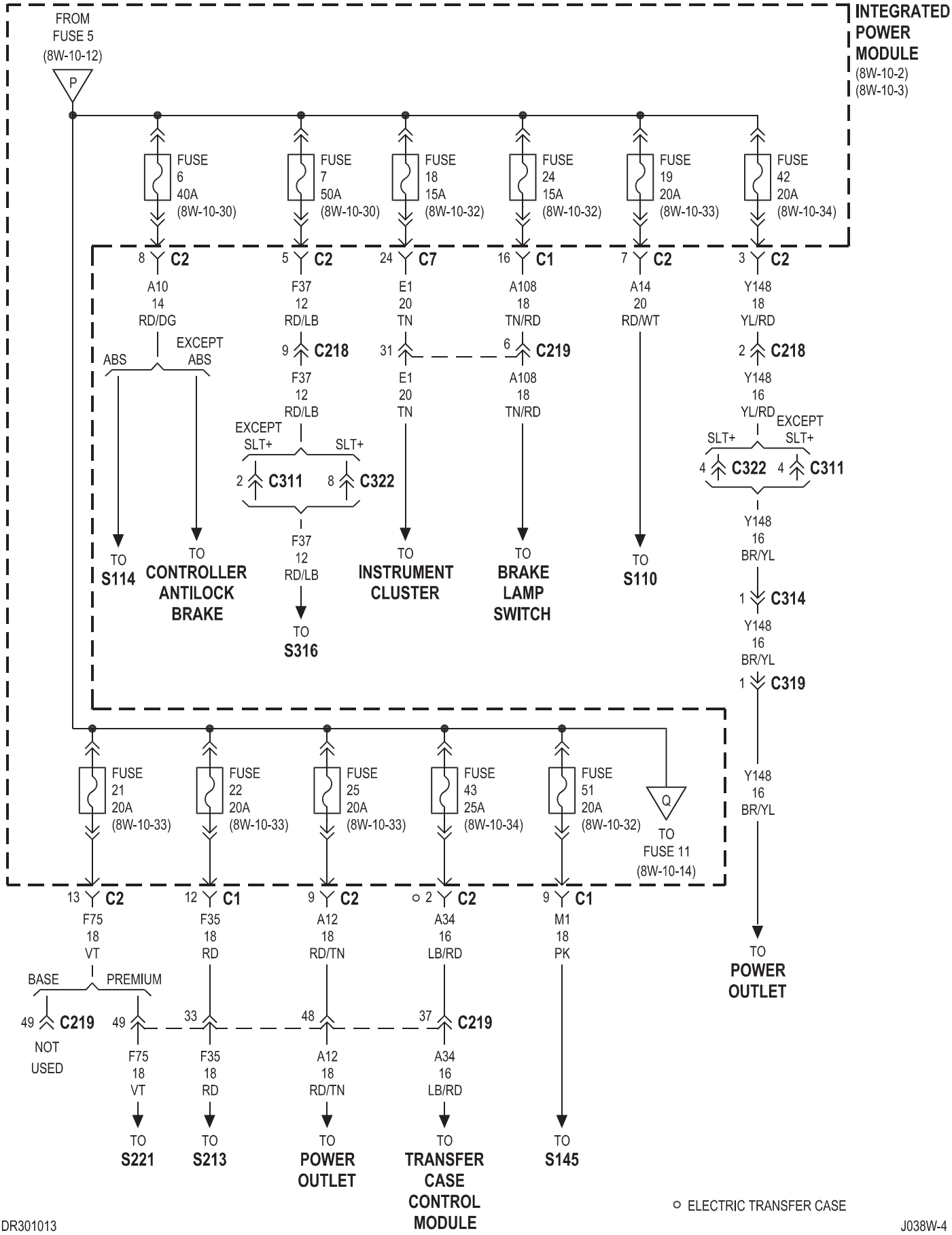


Fig. 8 REAR LOWER CONTROL ARM BUSHING

1 - SHORT - WIDE VOID
2 - INWARD TOWARD VEHICLE
3 - LONG - THIN VOID


INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FROM FUSE 5
(8W-10-12)
P
FUSE 6 40A (8W-10-30)
FUSE 7 50A (8W-10-30)
FUSE 18 15A (8W-10-32)
FUSE 24 15A (8W-10-32)
FUSE 19 20A (8W-10-33)
FUSE 42 20A (8W-10-34)
8 C2
A10
14
RD/DG
ABS
EXCEPT ABS
TO S114
TO CONTROLLER ANTILOCK BRAKE
5 C2
F37
12
RD/LB
9 C218
F37
12
RD/LB
EXCEPT SLT+
SLT+
2 C311
8 C322
F37
12
RD/LB
TO S316
24 C7
E1
20
TN
31
E1
20
TN
TO INSTRUMENT CLUSTER
16 C1
A108
18
TN/RD
6 C219
A108
18
TN/RD
TO BRAKE LAMP SWITCH
7 C2
A14
20
RD/WT
TO S110
3 C2
Y148
18
YL/RD
2 C218
Y148
16
YL/RD
EXCEPT SLT+
SLT+
4 C322
4 C311
Y148
16
BR/YL
1 C314
Y148
16
BR/YL
1 C319
Y148
16
BR/YL
TO POWER OUTLET
FUSE 21 20A (8W-10-33)
FUSE 22 20A (8W-10-33)
FUSE 25 20A (8W-10-33)
FUSE 43 25A (8W-10-34)
FUSE 51 20A (8W-10-32)
Q
TO FUSE 11 (8W-10-14)
13 C2
F75
18
VT
BASE
PREMIUM
49 C219
NOT USED
49
F75
18
VT
TO S221
12 C1
F35
18
RD
33
F35
18
RD
TO S213
9 C2
A12
18
RD/TN
48
A12
18
RD/TN
TO POWER OUTLET
2 C2
A34
16
LB/RD
37 C219
A34
16
LB/RD
TO TRANSFER CASE CONTROL MODULE
9 C1
M1
18
PK
TO S145
ELECTRIC TRANSFER CASE