

FRAMES & BUMPERS

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FRONT FASCIA

REMOVAL

- (1) Remove the grille. (Refer to 23 - BODY/EXTERIOR/GRILLE - REMOVAL)
- (2) Raise and support vehicle.
- (3) Remove the front wheel opening flare moldings. (Refer to 23 - BODY/EXTERIOR/FRONT WHEEL OPENING FLARE MOLDINGS - REMOVAL)
- (4) Remove the four screws through the lower air dam (Fig. 1).
- (5) Disconnect the electrical connectors:
 - Fascia to grille opening reinforcement. (Fig. 1)
 - Side repeater lights, both sides, if equipped. (Fig. 2)
- (6) Remove the six push pins from the grill support.
- (7) Remove the rivets attaching the air dam to the wheelhouse splash shield.
- (8) Release the support tabs beneath the headlamps.
- (9) Release the inner support clips from within the fascia between the lights (Fig. 2).
- (10) Remove the fascia.

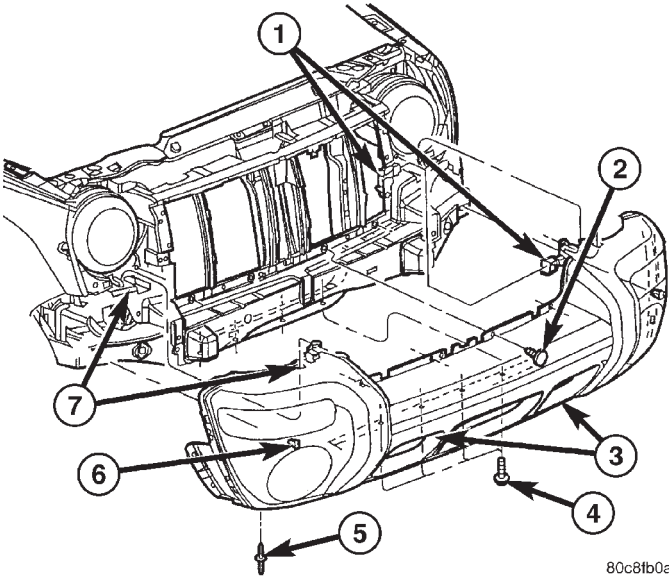
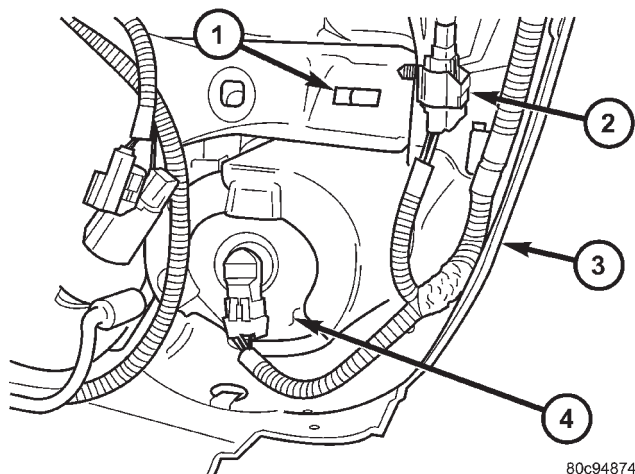


Fig. 1 FRONT FASCIA

- 1 - ELECTRICAL CONNECTOR
- 2 - PUSH PINS
- 3 - FRONT FASCIA ASSEMBLY
- 4 - LOWER SCREWS
- 5 - PLASTIC RIVETS (2)
- 6 - INNER SUPPORT CLIPS
- 7 - SUPPORT TABS

FRONT FASCIA (Continued)

**Fig. 2 FASCIA INNER SUPPORT**

- 1 - INNER SUPPORT CLIP
- 2 - SIDE REPEATER CONNECTOR (IF EQUIPPED)
- 3 - FASCIA ASSEMBLY
- 4 - FOG LAMP

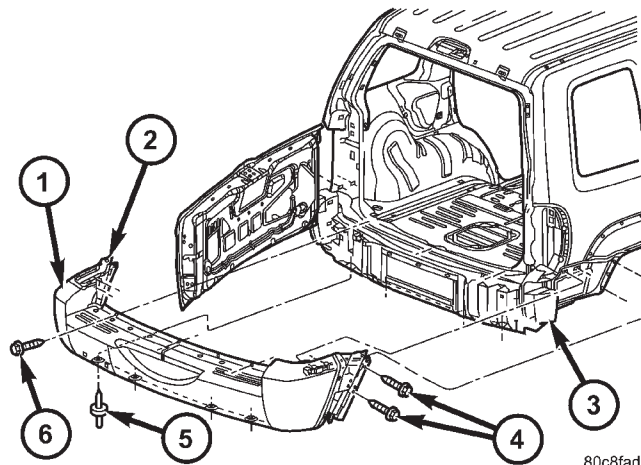
INSTALLATION

- (1) Install the fascia.
- (2) Connect the electrical connectors.
 - Side repeater lights, both sides, if equipped.
 - Fascia to grille opening reinforcement.
- (3) Install the six push pin fasteners into the grill support.
- (4) Install the four screws through the lower air dam.
- (5) Install new rivets attaching the air dam to the wheelhouse splash shield.
- (6) Install the front wheel opening flare moldings. (Refer to 23 - BODY/EXTERIOR/WHEEL OPENING FLARE MOLDING - INSTALLATION)
- (7) Install the grille. (Refer to 23 - BODY/EXTERIOR/GRILLE - INSTALLATION)

REAR FASCIA**REMOVAL**

- (1) Remove the wheel flares (rear). (Refer to 23 - BODY/EXTERIOR/REAR WHEEL OPENING FLARE MOLDINGS - REMOVAL)
- (2) Remove the rear lamp units. (Refer to 8 - ELECTRICAL/LAMPS/LIGHTING - EXTERIOR/REAR LAMP UNIT - REMOVAL)

- (3) Remove the four side bolts. (Fig. 3)
- (4) Remove the four bottom rivets.
- (5) Remove the 3 bolts along the upper edge.
- (6) Separate the side plastic retainers and remove the fascia from the vehicle.

**Fig. 3 REAR FASCIA**

- 1 - REAR FASCIA ASSEMBLY
- 2 - PLASTIC RETAINERS
- 3 - FASCIA SUPPORT BRACKET
- 4 - SIDE BOLTS
- 5 - RIVETS
- 6 - UPPER BOLTS

INSTALLATION

NOTE: Fascia must be pushed completely forward to allow the plastic retainers full engagement in their respective slots.

- (1) Install the fascia and insert the plastic retainers.
- (2) Install the three upper bolts.
- (3) Install the four side bolts.
- (4) Install four bottom rivets.
- (5) Install the rear lamp units. (Refer to 8 - ELECTRICAL/LAMPS/LIGHTING - EXTERIOR/REAR LAMP UNIT - INSTALLATION)
- (6) Install the rear half wheel opening flares. (Refer to 23 - BODY/EXTERIOR/WHEEL OPENING FLARE MOLDING - INSTALLATION)

REAR FASCIA SUPPORT

REMOVAL

- (1) Remove the rear fascia assembly. (Refer to 13 - FRAME & BUMPERS/BUMPERS/REAR FASCIA - REMOVAL)
- (2) Remove the six rivets and remove the fascia support (Fig. 4).

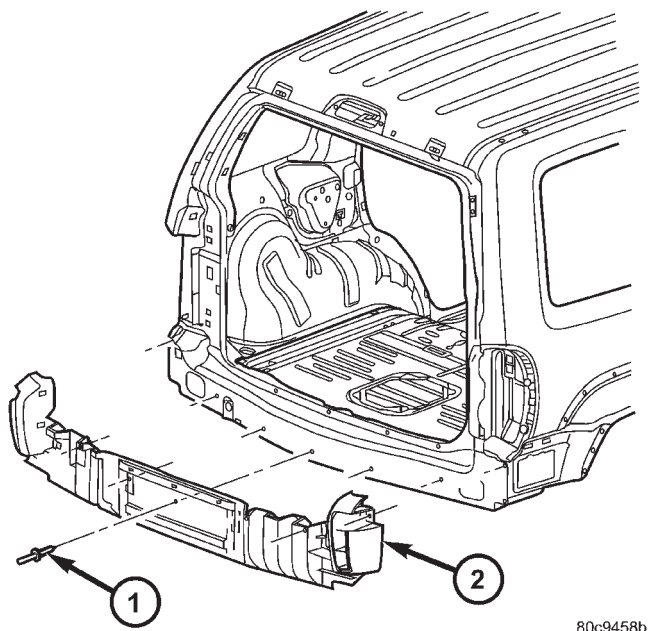


Fig. 4 REAR FASCIA SUPPORT

- 1 - RIVETS
2 - SUPPORT

INSTALLATION

- (1) Install the fascia support onto the vehicle and install six new rivets.
- (2) Install the rear fascia assembly. (Refer to 13 - FRAME & BUMPERS/BUMPERS/REAR FASCIA - INSTALLATION)

FRAME

SPECIFICATIONS

SPECIFICATIONS - FRAME DIMENSIONS

Frame dimensions are listed in metric scale. All dimensions are from center to center of Principal Locating Point (PLP), or from center to center of PLP and fastener location.

VEHICLE PREPARATION

Position the vehicle on a level work surface. Using screw or bottle jacks, adjust the vehicle PLP heights to the specified dimension above a level work surface. Vertical dimensions can be taken from the work surface to the locations indicated were applicable.

NOTE: All measurements are in MM.

DIMENSION ILLUSTRATIONS

DESCRIPTION	FIGURE
TOP VIEW	(5)
SIDE VIEW	(6)

13 - 4 FRAMES & BUMPERS



Fig. 5 TOP VIEW

FRAME (Continued)

ALL DIMENSIONS PROJECTED

ALL DIMENSIONS ARE FROM
CENTER OF PLP OR
CONSTANT HOLE CENTER.

ALL DIMENSIONS IN mm

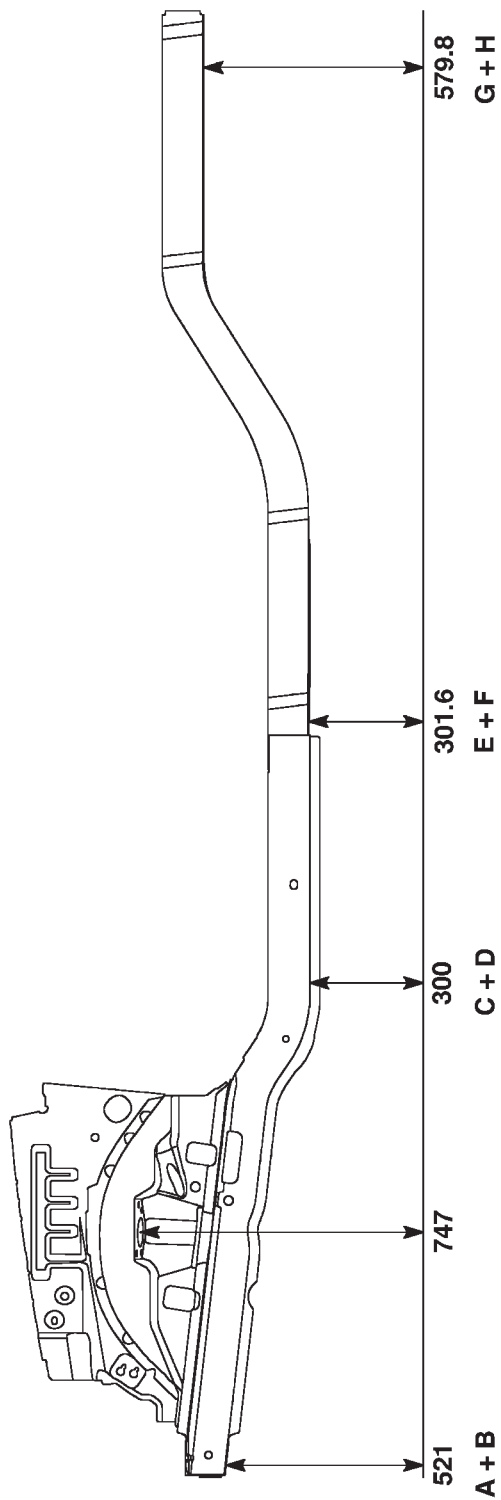


Fig. 6 SIDE VIEW

FRAME (Continued)

SPECIFICATIONS - TORQUE

DESCRIPTION	N·m	Ft. Lbs.	In. Lbs.
ENGINE CRADLE CROSSMEMBER INNER RAIL BOLTS	47	35	—
ENGINE CRADLE CROSSMEMBER MOUNTING BOLTS	122	90	—
ENGINE MOUNT THROUGH BOLTS/NUTS	88	65	—
FRONT SKID PLATE BOLTS	61	45	—
FRONT TOW HOOK NUTS/BOLT	61	45	—
FUEL TANK SKID PLATE	88	65	—
REAR CROSSMEMBER BOLTS	47	35	—
REAR TOW HOOK BOLTS	88	65	—
TRAILER HITCH BOLTS	88	65	—
TRANSFER CASE SKID PLATE BOLTS	34	25	—
TRANSMISSION MOUNT THROUGH BOLT/NUT	88	65	—

FRONT SKID PLATE

REMOVAL

- (1) Raise and support the vehicle.
- (2) Remove the skid plate bolts and remove the skid plate. (Fig. 7)

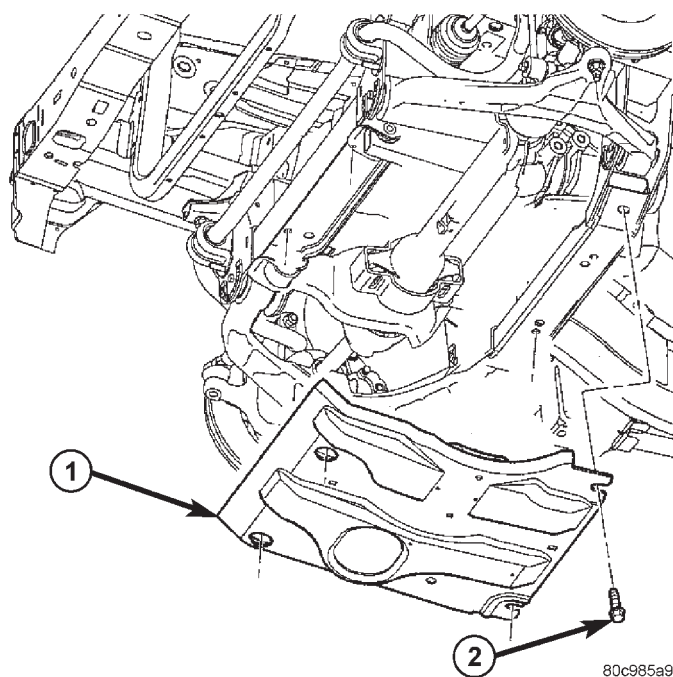


Fig. 7 SKID PLATE

- 1 - SKID PLATE
- 2 - BOLTS (4)

INSTALLATION

- (1) Install the skid plate.
- (2) Install the bolts and tighten to 61 N·m (45 ft. lbs.).

ENGINE CRADLE CROSSMEMBER

REMOVAL

- (1) Install a suitable engine support tool.
- (2) Raise and support the vehicle.
- (3) Remove the lower control arms. (Refer to 2 - SUSPENSION/FRONT/LOWER CONTROL ARM - REMOVAL)
- (4) Remove the sway bar. (Refer to 2 - SUSPENSION/FRONT/STABILIZER BAR - REMOVAL)
- (5) Remove the front axle, if equipped. (Refer to 3 - DIFFERENTIAL & DRIVELINE/FRONT AXLE - REMOVAL)
- (6) Remove the power steering rack. (Refer to 19 - STEERING/GEAR - REMOVAL)
- (7) Loosen the engine mount through bolts.
- (8) Support the engine cradle with a suitable lifting device.
- (9) Using a grease pencil or equivalent, mark the location of the engine support cradle.
- (10) Remove the engine cradle bolts and remove the engine cradle.

INSTALLATION

- (1) Raise and support the vehicle.
- (2) Using a suitable lifting device raise the engine cradle into the vehicle while lining up the engine mount through bolts.

ENGINE CRADLE CROSSMEMBER (Continued)

(3) Align the engine cradle to the marks made during removal and install the mounting and inner rail bolts.

(4) Tighten the mounting bolts to 122 N·m (90 ft. lbs.).

(5) Tighten the inner rail bolts to 47 N·m (35 ft. lbs.).

(6) Tighten the engine mount through bolts to 88 N·m (65 ft. lbs.).

(7) Install the power steering rack. (Refer to 19 - STEERING/GEAR - INSTALLATION)

(8) Install the front axle, if equipped. (Refer to 3 - DIFFERENTIAL & DRIVELINE/FRONT AXLE - INSTALLATION)

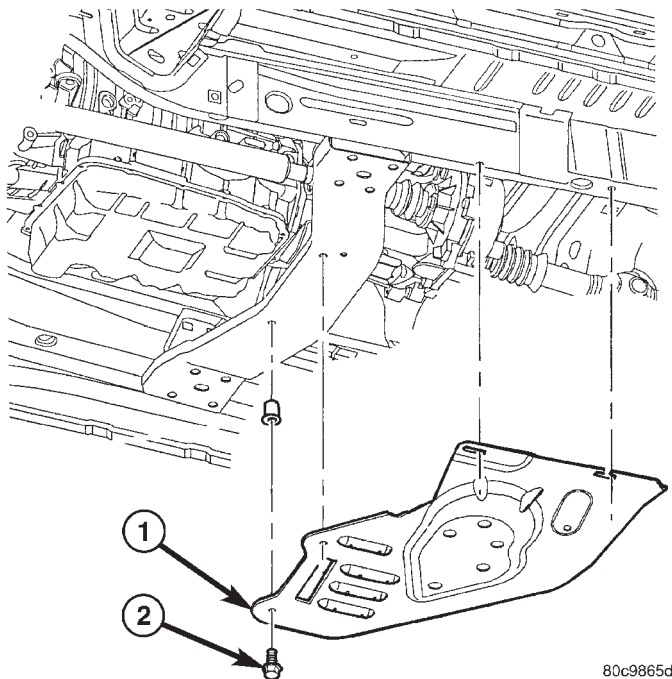
(9) Install the stabilizer bar. (Refer to 2 - SUSPENSION/FRONT/STABILIZER BAR - INSTALLATION)

(10) Install the lower control arms. (Refer to 2 - SUSPENSION/FRONT/LOWER CONTROL ARM - INSTALLATION)

(11) Lower the vehicle and remove the engine support tool.

TRANSFER CASE SKID PLATE**REMOVAL**

(1) Remove the bolts and remove the skid plate. (Fig. 8)

**Fig. 8 SKID PLATE**

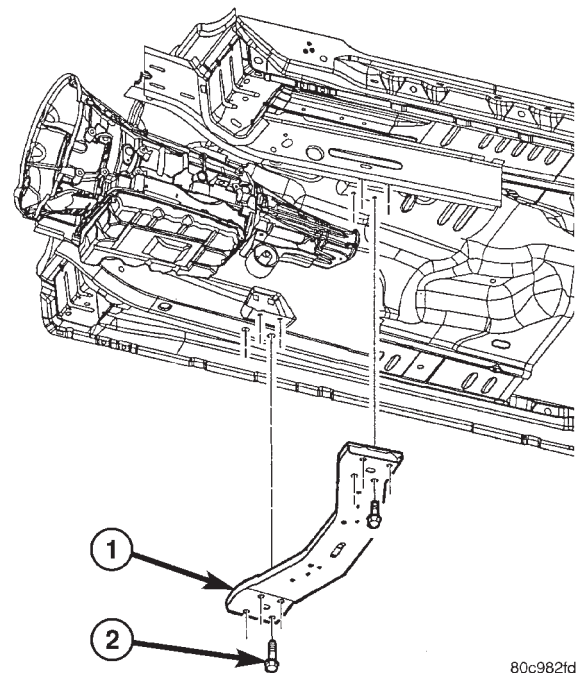
- 1 - SKID PLATE
2 - BOLTS

INSTALLATION

- (1) Install the skid plate.
- (2) Install the bolts and tighten to 34 N·m (25 ft. lbs.).

REAR CROSSMEMBER**REMOVAL**

- (1) Raise and support the vehicle.
- (2) Support the transmission with a suitable lifting device.
- (3) Remove the transmission mount through bolt.
- (4) Remove the crossmember bolts and remove the crossmember. (Fig. 9)



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Fig. 9 CROSS MEMBER

- 1 - CROSSMEMBER
2 - BOLTS

INSTALLATION

- (1) Install the crossmember and install the bolts.
- (2) Tighten the bolts to 47 N·m (35 ft. lbs.)
- (3) Install transmission mount through bolt and tighten to 88 N·m (65 ft. lbs.).

FRONT TOW HOOK

REMOVAL

NOTE: Front fascia must be removed to replace the stud plate. (Refer to 13 - FRAME & BUMPERS/ BUMPERS/FRONT FASCIA - REMOVAL)

(1) Remove the nuts and bolt and remove the tow eye/hook. (Fig. 10)

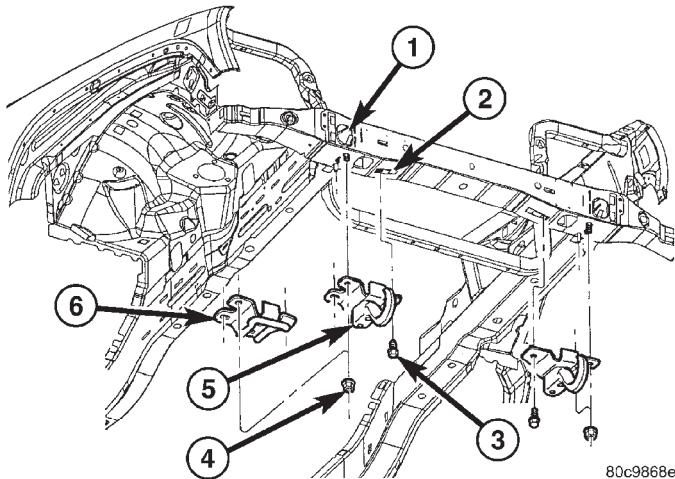


Fig. 10 TOW HOOKS/EYE

- 1 - STUD PLATE
- 2 - U-NUT
- 3 - BOLTS
- 4 - NUTS
- 5 - TOW HOOK
- 6 - TOW EYE

INSTALLATION

- (1) Install the stud plate if previously removed.
- (2) Install the tow eye/hook.
- (3) Install the nuts and bolt and tighten to 61 N·m (45 ft. lbs.).
- (4) Install the front fascia if the stud plate was replaced. (Refer to 13 - FRAME & BUMPERS/ BUMPERS/FRONT FASCIA - INSTALLATION)

REAR TOW HOOK

REMOVAL

(1) Remove the bolts and remove the tow hook/eye. (Fig. 11)

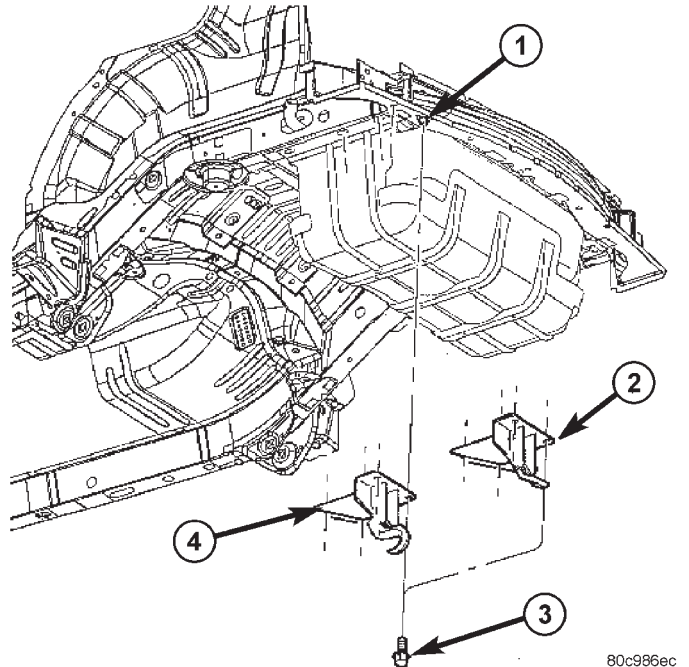


Fig. 11 TOW HOOK/EYE

- 1 - U-NUT
- 2 - TOW EYE
- 3 - BOLTS
- 4 - TOW HOOK

INSTALLATION

- (1) Install the tow hook/eye.
- (2) Install the bolts and tighten to 88 N·m (65 ft. lbs.).

TRAILER HITCH

REMOVAL

- (1) Remove the tow hooks, if equipped. (Refer to 13 - FRAME & BUMPERS/FRAME/REAR TOW HOOK - REMOVAL)
- (2) Disconnect trailer electrical connector.
- (3) Support the hitch with a suitable lifting device.
- (4) Remove the bolts and remove the trailer hitch. (Fig. 12)

INSTALLATION

- (1) Support the hitch with a suitable lifting device and install the hitch.
- (2) Install the bolts and tighten to 88 N·m (65 ft. lbs.).
- (3) Connect the electrical connector.

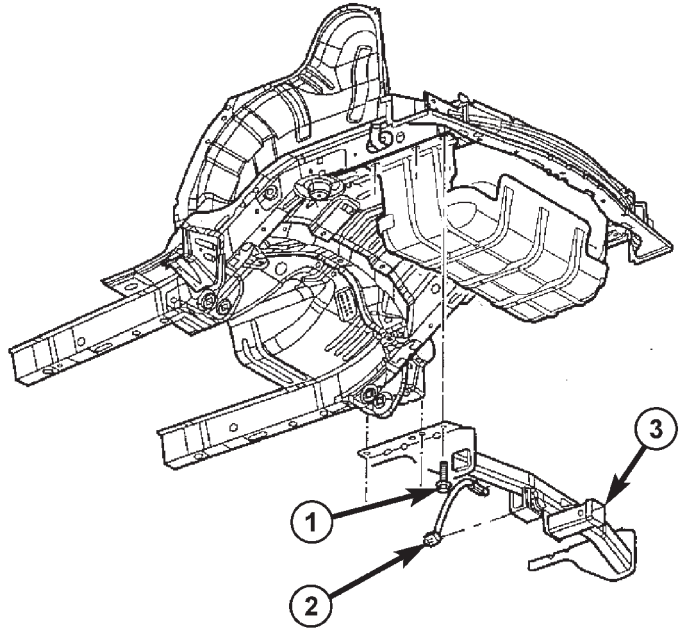
FUEL TANK SKID PLATE

REMOVAL

- (1) Raise and support the vehicle.
- (2) Support the skid plate with a suitable lifting device.
- (3) Remove the trailer hitch, if equipped. (Refer to 13 - FRAME & BUMPERS/FRAME/TRAILER HITCH - REMOVAL)
- (4) Remove the tow hooks, if not previously removed. (Refer to 13 - FRAME & BUMPERS/FRAME/REAR TOW HOOK - REMOVAL)
- (5) Remove the bolts and remove the fuel tank skid plate.

INSTALLATION

- (1) Install the skid plate and support with a suitable lifting device.



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Fig. 12 TRAILER HITCH

- 1 - BOLTS
- 2 - TRAILER LIGHTS ELECTRICAL CONNECTOR
- 3 - TRAILER HITCH

(2) Install the trailer hitch, if equipped. (Refer to 13 - FRAME & BUMPERS/FRAME/TRAILER HITCH - INSTALLATION)

(3) Install the tow hooks, if equipped. (Refer to 13 - FRAME & BUMPERS/FRAME/REAR TOW HOOK - INSTALLATION)

(4) Install the bolts and tighten to 88 N·m (65 ft. lbs.).