

## PARKING BRAKE CABLE - RIGHT REAR (Continued)

sure actuator is positioned with word "UP" facing outward (Fig. 83).

(4) Install parking brake shoes on support. (Refer to 5 - BRAKES/PARKING BRAKE/SHOES - INSTALLATION)

(5) Install bolt securing parking brake cable to knuckle (Fig. 80). Tighten bolt to 28 N·m (21 ft. lbs.) torque.

(6) Install hub and bearing with wheel speed sensor as well as all components necessary to access it. (Refer to 2 - SUSPENSION/REAR/HUB / BEARING - INSTALLATION)

(7) While holding cable connector on end of front cable secure with a pair of pliers at the front cable button, Place right rear cable button into cable connector (Fig. 70). Release cables allowing button to seat. It may take some hand pressure to completely seat button.

(8) Place left rear parking brake cable button into equalizer (Fig. 70). Release cables allowing button to seat. It may take some hand pressure to completely seat button.

(9) Lower vehicle.

(10) Unlock automatic adjuster in parking brake lever. (Refer to 5 - BRAKES/PARKING BRAKE - STANDARD PROCEDURE)

(11) Adjust parking brake shoes as necessary. (Refer to 5 - BRAKES/PARKING BRAKE/SHOES - ADJUSTMENTS)

## PARKING BRAKE LEVER

## REMOVAL

(1) Disconnect and isolate battery negative cable from battery post.

(2) Lock out automatic adjuster in parking brake lever. (Refer to 5 - BRAKES/PARKING BRAKE - STANDARD PROCEDURE)

(3) Raise and support vehicle. (Refer to LUBRICATION & MAINTENANCE/HOISTING - STANDARD PROCEDURE)

**NOTE:** It may be necessary to back off parking brake shoe adjustment to allow sufficient slack to disengage cable buttons from connectors in following two steps.

(4) Slide left rear cable button inboard and remove from equalizer (Fig. 70).

(5) While holding cable connector on end of front cable secure with a pair of pliers at front cable button, slide right rear cable button inboard and remove from cable connector (Fig. 70).

(6) Lower vehicle.

(7) Roll vehicle off hoist as necessary to open left front door.

(8) Remove left front door opening sill scuff plate.

(9) Remove left front door weather strip.

(10) Remove lower cowl trim.

(11) Disconnect parking brake release rod at parking brake lever.

(12) Disconnect wiring connector at parking brake indicator lamp switch (Fig. 75).

(13) Remove body control module. (Refer to 8 - ELECTRICAL/ELECTRONIC CONTROL MODULES/BODY CONTROL/CENTRAL TIMER MODULE - REMOVAL)

(14) Remove three mounting nuts and two wiring routing clips, then remove body control module mounting bracket.

(15) Remove two mounting bolts and one nut (Fig. 76), then remove parking brake lever from cowl and place it on driver's floor.

**NOTE:** Prior to removing cable from lever, note cable routing through lever for ease in reassembly.

(16) Remove front cable button from lever take-up reel (Fig. 77).

(17) Remove cable from around cam on lever and slide it down into the cable housing until the cable end button contacts the housing.

(18) Place a 13 mm 12-point box wrench over cable retainer on end of cable housing and collapse retainer fingers (Fig. 78).

(19) Separate front parking brake cable from lever and remove lever.

## INSTALLATION

(1) Slide leading end of front parking brake cable into hole in flange of lever. Slide cable retainer on end of cable housing into hole until retainer fingers click into place.

(2) Remove front cable button from lever take-up reel (Fig. 77).

(3) Pull button on end of cable strand out of housing and route around lever cam up to take-up reel.

(4) Install front cable button into lever take-up reel as shown (Fig. 79).

(5) Slide any extra cable back into housing.

(6) Position lever against left lower cowl and install 2 mounting bolts and one nut (Fig. 76). Tighten all three fasteners to 28 N·m (21 ft. lbs.) torque.

(7) Install body control module mounting bracket. Install three mounting nuts and two wiring routing clips. Tighten all three fasteners to 14 N·m (125 in. lbs.) torque.

(8) Install body control module. (Refer to 8 - ELECTRICAL/ELECTRONIC CONTROL MODULES/BODY CONTROL/CENTRAL TIMER MODULE - INSTALLATION)

## PARKING BRAKE LEVER (Continued)

(9) Connect wiring connector at parking brake indicator lamp switch (Fig. 75).

(10) Connect parking brake release rod at parking brake lever.

(11) Position carpet into place.

(12) Install lower cowl trim.

(13) Install left front door weather strip.

(14) Install left front door opening sill scuff plate.

(15) Raise and support vehicle. (Refer to LUBRICATION & MAINTENANCE/HOISTING - STANDARD PROCEDURE)

(16) Route front cable above left rear brake tube and rear driveline module (if equipped with AWD) to right rear parking brake cable.

(17) While holding cable connector on end of front cable secure with a pair of pliers at the front cable button. Place right rear cable button into cable connector (Fig. 70). Release cables allowing button to seat. It may take some hand pressure to completely seat button.

(18) Place left rear parking brake cable button into equalizer (Fig. 70). Release cables allowing button to seat. It may take some hand pressure to completely seat button.

(19) Lower vehicle.

(20) Unlock automatic adjuster in parking brake lever. (Refer to 5 - BRAKES/PARKING BRAKE - STANDARD PROCEDURE)

(21) Connect battery negative cable to battery post.

(22) Adjust parking brake shoes. (Refer to 5 - BRAKES/PARKING BRAKE/SHOES - ADJUSTMENTS)

## PARKING BRAKE SHOES

## REMOVAL

**NOTE:** The following procedure may be used to remove shoes on either side of the vehicle.

(1) Lock out automatic adjuster in parking brake lever. (Refer to 5 - BRAKES/PARKING BRAKE - STANDARD PROCEDURE)

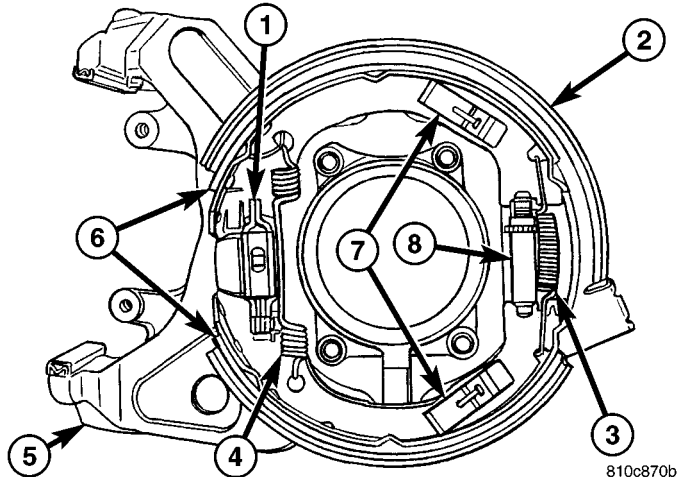
(2) Raise and support vehicle. (Refer to LUBRICATION & MAINTENANCE/HOISTING - STANDARD PROCEDURE)

(3) Access and remove rear hub and bearing. (Refer to 2 - SUSPENSION/REAR/HUB / BEARING - REMOVAL)

(4) Remove parking brake cable bolt at knuckle (Fig. 80).

(5) Completely back off parking brake shoe adjustment.

(6) Remove parking brake shoe adjuster spring (Fig. 84).



**Fig. 84 Parking Brake Shoes**

- 1 - ACTUATOR
- 2 - SUPPORT
- 3 - ADJUSTER SPRING
- 4 - RETURN SPRING
- 5 - CALIPER ADAPTER
- 6 - SHOES
- 7 - HOLD-DOWN CLIPS AND PINS
- 8 - ADJUSTER

(7) Remove shoe adjuster (Fig. 84).

(8) Remove upper brake shoe hold-down clip and pin (Fig. 84).

(9) Remove lower brake shoe hold-down clip and pin (Fig. 84).

(10) Remove upper and lower shoes with return spring from shoe actuator.

(11) Remove return spring from shoes.

## INSTALLATION

**NOTE:** The following procedure may be used to install shoes on either side of the vehicle.

(1) Install return spring between upper and lower shoes.

**NOTE:** Before installing shoes on actuator, make sure actuator hooked to rear cable is positioned with word "UP" facing outward (Fig. 83).

(2) Install upper and lower shoes with return spring on shoe actuator located on parking brake cable (Fig. 84).

(3) Install lower brake shoe hold-down pin through rear of support and lower shoe, then install hold-down clip (Fig. 84).

(4) Install upper brake shoe hold-down pin through rear of support and upper shoe, then install hold-down clip (Fig. 84).

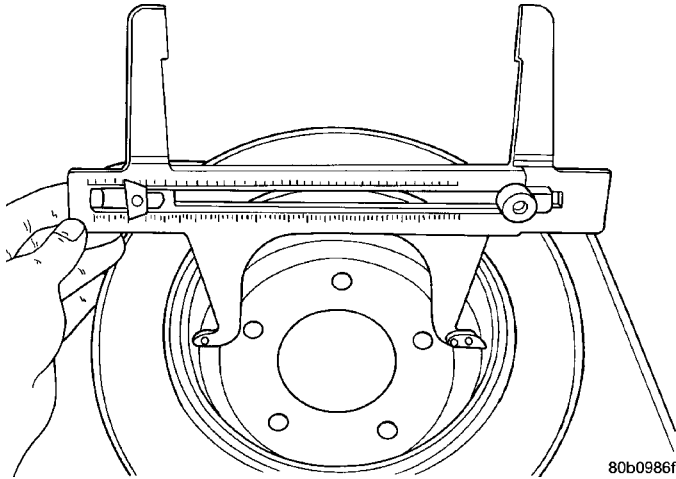
(5) Install shoe adjuster (Fig. 84). Place end of adjuster with star wheel upward.

PARKING BRAKE SHOES (Continued)

(6) Install parking brake shoe adjuster spring (Fig. 84).

(7) Install bolt securing parking brake cable to knuckle (Fig. 80). Tighten bolt to 28 N·m (21 ft. lbs.) torque.

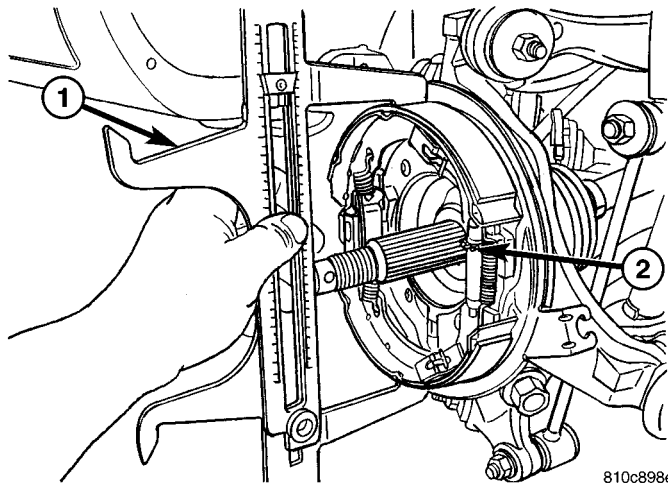
(8) Using Brake Shoe Gauge, Special Tool C-3919, or equivalent, measure inside diameter of parking brake drum portion of rotor (Fig. 85).



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**Fig. 85 Measuring Parking Brake Drum Diameter**

(9) Place Gauge over parking brake shoes at widest point (Fig. 86).



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**Fig. 86 Measuring Parking Brake Shoes**

- 1 - BRAKE SHOE GAUGE
- 2 - ADJUSTER STAR WHEEL

(10) Using adjuster star wheel (Fig. 86), adjust parking brake shoes until linings on both park brake shoes just touch jaws on gauge. This will give a good preliminary adjustment of parking brake shoes, before a final adjustment is made at end of this procedure.

(11) Install hub and bearing with wheel speed sensor as well as all components necessary to access it.

(Refer to 2 - SUSPENSION/REAR/HUB / BEARING - INSTALLATION)

(12) Lower vehicle.

(13) Unlock automatic adjuster in parking brake lever. (Refer to 5 - BRAKES/PARKING BRAKE - STANDARD PROCEDURE)

(14) Perform final adjustment of parking brake shoes. (Refer to 5 - BRAKES/PARKING BRAKE/SHOES - ADJUSTMENTS)

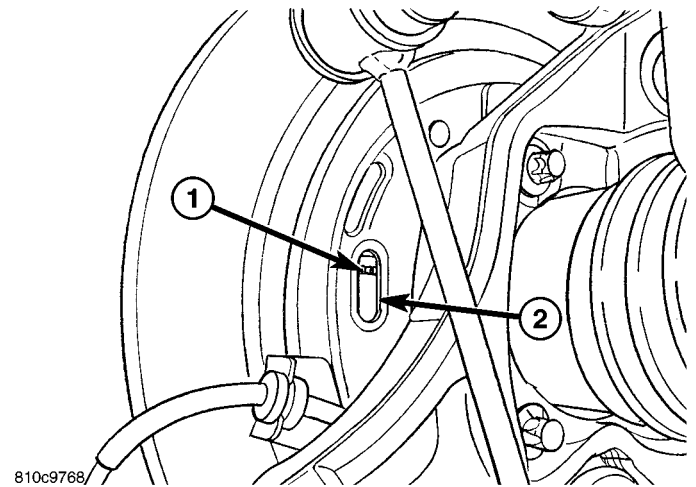
ADJUSTMENTS

ADJUSTMENT - PARKING BRAKE SHOES

(1) Place parking brake lever in "full released" position.

(2) Raise and support vehicle. (Refer to LUBRICATION & MAINTENANCE/HOISTING - STANDARD PROCEDURE)

(3) Remove plug in parking brake shoe support to access adjuster star-wheel (Fig. 87).



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**Fig. 87 Access To Shoe Adjuster Star-Wheel**

- 1 - ADJUSTER STAR WHEEL
- 2 - ACCESS HOLE

**NOTE:** Through the access hole, rotate the adjuster star wheel in the following direction to expand the shoes outward against the drum.

- Left brake – Rotate star-wheel toward rear of vehicle.
- Right brake – Rotate star-wheel toward front of vehicle.

(4) Using an appropriate tool, turn adjuster star wheel until wheel will not rotate (dead lock).

(5) Back off adjuster six detents (teeth).

(6) Rotate wheel, checking for light drag. If drag is too heavy, continue to back off adjuster one detent at a time until light drag is present. **Do not back off**

## PARKING BRAKE SHOES (Continued)

**star-wheel more than 17 detents from wheel lock.**

- (7) Install access plug.
- (8) Adjust opposite wheel parking brake shoes using same method.
- (9) Lower vehicle.
- (10) Apply and release parking brake lever once to ensure proper operation of parking brakes.