

## COMPONENT REPLACEMENT (J72 PARK BRAKE)

### Park Brake Assembly Replacement

#### **CAUTION**

*Block the vehicle wheels to prevent movement before servicing the park brake assembly.*

#### Removal Procedure

1. Raise the vehicle and support the vehicle with safety stands. Refer to Lifting and Jacking the Vehicle in General Information.

#### IMPORTANT

*Ensure the park brake is applied.*

2. Remove the propeller shaft. Refer to Two-Piece Propeller Shaft Replacement or Three-Piece Propeller Shaft Replacement.
3. Disconnect the hydraulic line from the brake assembly. Install a suitable plug in the hydraulic line and cap the brake assembly fitting to minimize fluid loss.
4. Remove the center bolt retaining the yoke to the transmission output shaft. Remove the yoke.

*Figure 5-4. Removing the Park Brake Assembly*

#### IMPORTANT

*Cap the end of the transmission in order to minimize fluid loss.*

5. Inspect the yoke ears for damage and the splines for the following damage:
  - Wear
  - Burrs
  - Twisting

#### **CAUTION**

*The park brake assembly weighs approximately 45lbs (20 kg). Use a suitable jack to support the brake before removing the attaching bolts. Failure to do so may result in personal injury.*

6. Remove the four bolts attaching the brake assembly to the transmission housing.
7. Remove the brake assembly.

#### Installation Procedure

#### NOTICE

*Refer to Fastener Notice in Cautions and Notices.*

1. Raise the brake assembly into position and align with the mounting holes in the transmission housing.
2. Install the bolts and washers attaching the brake assembly to the transmission housing. Tighten the bolts and washers to 89 lb ft (121 Nm).
3. Install the yoke and attaching bolt. Tighten the bolt to 89 lb ft (121 Nm).
4. Connect the hydraulic line to the brake assembly.
5. Fill the brake actuator reservoir with the specified fluid.

#### NOTICE

*2006 models are filled with Dexron VI.*

6. Install the propeller shaft. Refer to Two-Piece Propeller Shaft Replacement or Three-Piece Propeller Shaft Replacement.
7. Bleed the park brake hydraulic system. See bleeding the park brake in this section.
8. Lower the vehicle.
9. Test the operation of the park brake.

 **CAUTION**

***Always test the park brake before proper operation before returning the vehicle to the customer.***

## Park Brake Actuator Assembly Replacement

### Removal Procedure

 **CAUTION**

***Ensure the park brake is applied before removing the actuator. The park brake hydraulic system operates at high pressure. Always relieve pressure by applying the park brake before disconnecting any hydraulic fittings.***

1. Disconnect the electrical connectors from the actuator assembly.
2. Disconnect the Hydraulic line from the actuator assembly. Cap the actuator fitting and plug the line to prevent fluid loss.
3. Remove the bolts attaching the actuator assembly to the bulkhead.

### Installation Procedure

#### NOTICE

***Refer to Fastener Notice in Cautions and Notices.***

1. Ensure that the hydraulic fitting is properly tightened in the actuator housing before installing the hydraulic line. Tighten the fitting to 108 lb in (12 Nm).
2. Install the new actuator assembly and tighten the bolts. Tighten the bolts to 28 lb ft (38 Nm).
3. Connect the hydraulic line to the actuator assembly. Tighten the fitting to 108 lb in (12 Nm).
4. Connect the electrical connection to the actuator assembly.
5. Fill the fluid reservoir with the appropriate fluid.

#### NOTICE

***2006 models use Dexron VI in the hydraulic system.***

6. Bleed the park brake system. See bleeding the park brake in this section.

 **CAUTION**

***Always test the park brake before proper operation before returning the vehicle to the customer.***