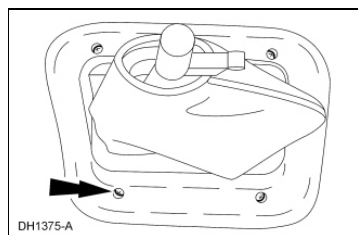


Parking Brake Control

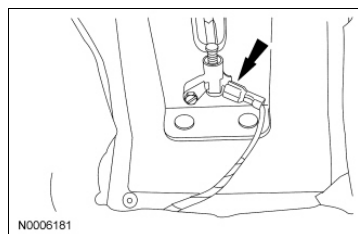
Removal and Installation

NOTE: Refer to [Section 206-05B](#) for vehicles equipped with air-actuated parking brake control.

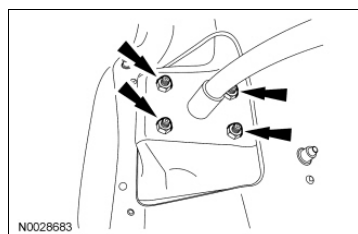
1. Remove the parking brake boot screws and remove the boot.



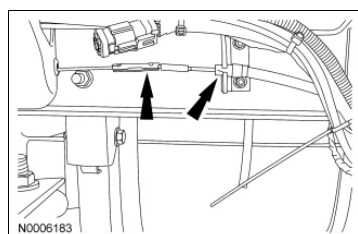
2. Disconnect the parking brake electrical connector.



3. From under the vehicle, remove the 4 parking brake control nuts.
 - To install, tighten to 35 Nm (26 lb-ft).



4. Remove the parking cable from the bracket, then separate the parking brake cable end from the clip.



5. Remove the parking brake control and cable.

6. To install, reverse the removal procedure.
 - Adjust the cable tension. For additional information, refer to [Parking Brake Cable Adjustment](#) in this section.

Parking Brake Cable

Removal and Installation

1. On vehicles equipped with a manual parking brake system, the parking brake cable is part of the parking brake control assembly and is not serviceable. For additional information, refer to Parking Brake Control in this section.
 2. On vehicles equipped with a power parking brake system, the parking brake cable is part of the spring chamber assembly and is not serviceable. For additional information, refer to Spring Chamber Assembly in this section.
-

Parking Brake Shoes

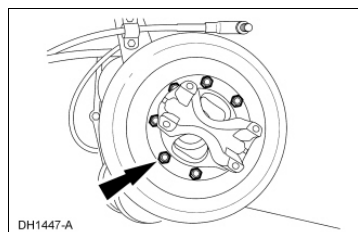
Removal and Installation

⚠ WARNING: Do not breathe dust or use compressed air to blow dust from storage containers or friction components. Remove dust using government-approved techniques. Friction component dust may be a cancer and lung disease hazard. Exposure to potentially hazardous components may occur if dusts are created during repair of friction components, such as brake pads and clutch discs. Exposure may also cause irritation to skin, eyes and respiratory tract, and may cause allergic reactions and/or may lead to other chronic health effects. If irritation persists, seek medical attention or advice. Failure to follow these instructions may result in serious personal injury.

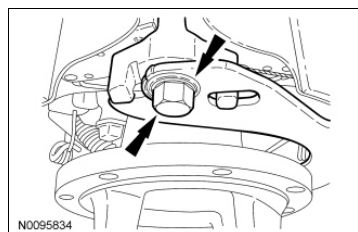
1. Remove the driveshaft. For additional information, refer to [Section 205-01](#) .
2. **NOTE:** The parking brake must be fully released.

For vehicles equipped with a manual parking brake system, place the transmission in gear and release the parking brake control.

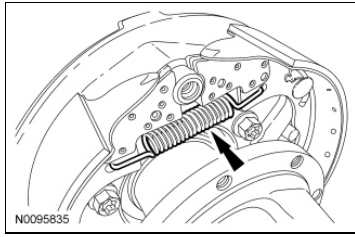
3. For vehicles equipped with a power parking brake system, release the parking brake in the following sequence:
 1. With the ignition in the Key ON Engine OFF (KOEO) position, place the transmission in NEUTRAL.
 2. Depress the brake pedal and release the parking brake.
4. Remove the parking brake drum-to-differential flange bolts and the brake drum.
 - To install, tighten the bolts to 50 Nm (37 lb-ft).



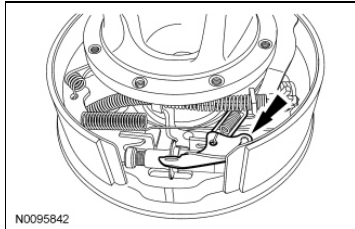
5. Remove the parking brake lever bolt and spring.
 - To install, tighten the bolt to 30 Nm (22 lb-ft).



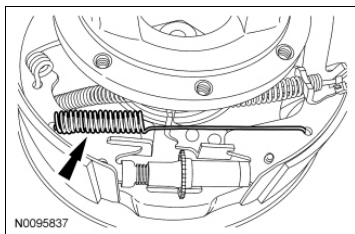
6. Position the parking brake lever aside and remove the parking brake anchor.
7. Remove the upper brake shoe retracting spring.



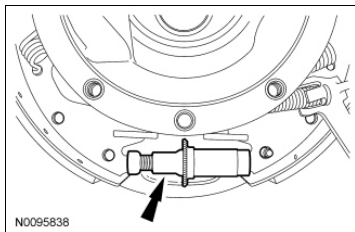
8. Remove the adjusting lever assembly.



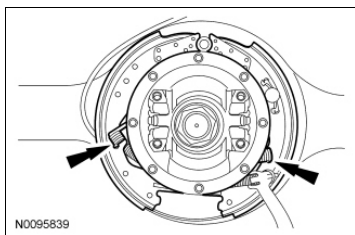
9. Remove the lower brake shoe retracting spring.



10. Remove the brake adjuster screw assembly.



11. Remove the brake shoe hold-down springs and the brake shoes.



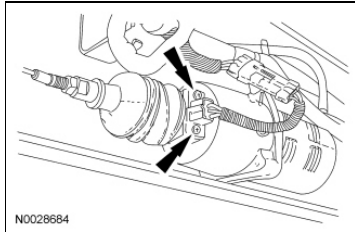
12. To install, reverse the removal procedure.

- Adjust the parking brake shoes. For additional information, refer to Parking Brake Shoe Adjustment in this section.

Rod Stroke Sensor

Removal and Installation

1. Disconnect the rod stroke sensor electrical connector.
2. Remove the 2 rod stroke sensor screws.



3. Remove the rod stroke sensor.
 4. To install, reverse the removal procedure.
-

Spring Chamber Assembly

Material

Item	Specification
High Performance DOT 3 Motor Vehicle Brake Fluid PM-1-C (US); CPM-1-C (Canada)	WSS-M6C62-A or WSS-M6C65-A1

Removal

⚠ WARNING: Carefully read cautionary information on product label. For EMERGENCY MEDICAL INFORMATION seek medical advice. In the USA or Canada on Ford/Motorcraft products call: 1-800-959-3673. For additional information, consult the product Material Safety Data Sheet (MSDS) if available. Failure to follow these instructions may result in serious personal injury.

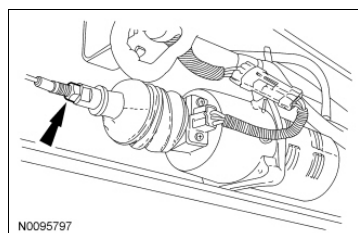
⚠ WARNING: Do not use any fluid other than clean brake fluid meeting manufacturer's specification. Additionally, do not use brake fluid that has been previously drained. Following these instructions will help prevent system contamination, brake component damage and the risk of serious personal injury.

⚠ WARNING: Follow the Hydraulic Brake System Depressurization procedure as directed in this manual prior to servicing. The hydraulic brake system operates with high pressure. Pressure cannot be relieved by disconnecting the battery or turning the ignition OFF. Failure to follow this instruction may result in serious personal injury.

NOTICE: Do not spill brake fluid on painted or plastic surfaces or damage to the surface may occur. If brake fluid is spilled onto a painted or plastic surface, immediately wash the surface with water.

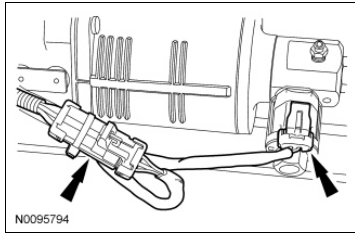
NOTE: While removing a parking brake cable, only the threaded rod should rotate. If the cable is to be reused, do not allow the cable to twist during removal.

1. Release the parking brake in the following sequence:
 1. With the ignition in the Key ON Engine OFF (KOEO) position, place the transmission in NEUTRAL.
 2. Depress the brake pedal and release the parking brake.
2. With the parking brake released, loosen the jam nut on the threaded rod and detach the threaded rod from the spring chamber assembly.

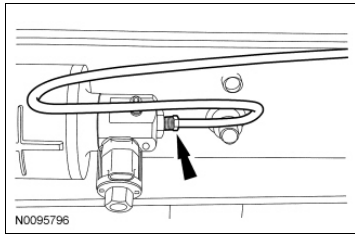


3. Depressurize the brake system. For additional information, refer to [Section 206-00A](#).

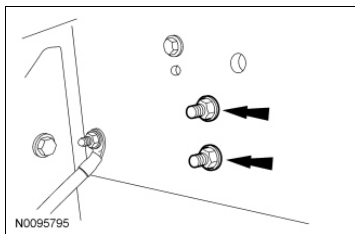
4. Cut tie-wrap straps and disconnect the 2 electrical connectors.



5. Disconnect the brake tube fitting from the spring chamber.



6. Remove the 2 spring chamber-to-frame mounting nuts and the spring chamber.



Installation

1. Install the spring chamber and the 2 spring chamber-to-frame mounting nuts.
 - Tighten the nuts to 78 Nm (58 lb-ft).
 2. Connect the brake tube fitting to the spring chamber.
 - Tighten to 17 Nm (150 lb-in).
 3. Connect the 2 electrical connectors.
 - Install new tie-wrap straps.
 4. Bleed the spring chamber. For additional information, refer to Component Bleeding in [Section 206-00A](#).
-

Parking Brake Control Valve

Material

Item	Specification
High Performance DOT 3 Motor Vehicle Brake Fluid PM-1-C (US); CPM-1-C (Canada)	WSS-M6C62-A or WSS-M6C65-A1

Removal and Installation

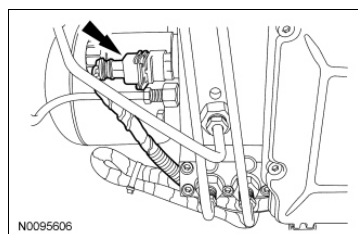
⚠ WARNING: Do not use any fluid other than clean brake fluid meeting manufacturer's specification. Additionally, do not use brake fluid that has been previously drained. Following these instructions will help prevent system contamination, brake component damage and the risk of serious personal injury.

⚠ WARNING: Carefully read cautionary information on product label. For EMERGENCY MEDICAL INFORMATION seek medical advice. In the USA or Canada on Ford/Motorcraft products call: 1-800-959-3673. For additional information, consult the product Material Safety Data Sheet (MSDS) if available. Failure to follow these instructions may result in serious personal injury.

⚠ WARNING: Follow the Hydraulic Brake System Depressurization procedure as directed in this manual prior to servicing. The hydraulic brake system operates with high pressure. Pressure cannot be relieved by disconnecting the battery or turning the ignition OFF. Failure to follow this instruction may result in serious personal injury.

NOTICE: Do not spill brake fluid on painted or plastic surfaces or damage to the surface may occur. If brake fluid is spilled onto a painted or plastic surface, immediately wash the surface with water.

1. Depressurize the brake system. For additional information, refer to [Section 206-00A](#) .
2. Using hose clamp pliers, clamp the Hydraulic Control Unit (HCU) low-pressure brake fluid supply hose.
3. Disconnect the electrical connector from the parking brake control valve.



4. Unscrew the black plastic retaining nut from the end of the parking brake control valve.