

**REAR DISC BRAKE CALIPER**

**WARNING:** Brake dust, if inhaled can damage your health. Always remove brake dust using a vacuum brush. Do not use a compressed air line to disperse brake dust into the atmosphere.

**NOTE:** Special tools required: Brake Pedal Holding Tool (JDS 9013), Caliper Piston Retractor Tool (206-080) and Crankshaft Pulley/Damper Remover (303-588). See [Fig. 67](#) -[Fig. 69](#) .

**Removal**

1. Open engine compartment hood and fit paint protection covers to fenders. Raise and support vehicle. Remove wheels.
2. Release the tension on the parking brake cable by moving the parking brake caliper lever away from the cable end. Remove cable from parking brake cable lever. See [Fig. 32](#) .
3. Remove the parking brake cable from the rear brake caliper.
  - On vehicles with manually adjusted parking brakes, remove the retaining clip. See [Fig. 33](#) .
  - On vehicles with self-adjusting parking brakes, release the tabs on the parking brake cable housing. See [Fig. 38](#) .

**NOTE:** To prevent the loss of brake fluid, apply the brake pedal hold down tool and adjust to hold the brake pedal down 1.6" (40 mm). Install a bleeder bottle to the bleed nipple and loosen the bleed nipple.

4. Remove union bolt from the rear brake caliper hose and discard sealing washers. See [Fig. 61](#) . Remove brake hose from rear brake caliper.
5. Tighten the bleed nipple and remove the bleeder tube and bottle. Remove and discard the rear brake caliper retaining bolts. See [Fig. 62](#) . Remove the caliper.
6. Clean and inspect all associated parts.

**Installation**

**CAUTION:** Retracting the caliper piston may cause the fluid reservoir to overflow. Remove brake fluid spillage immediately from paint work with clean water.

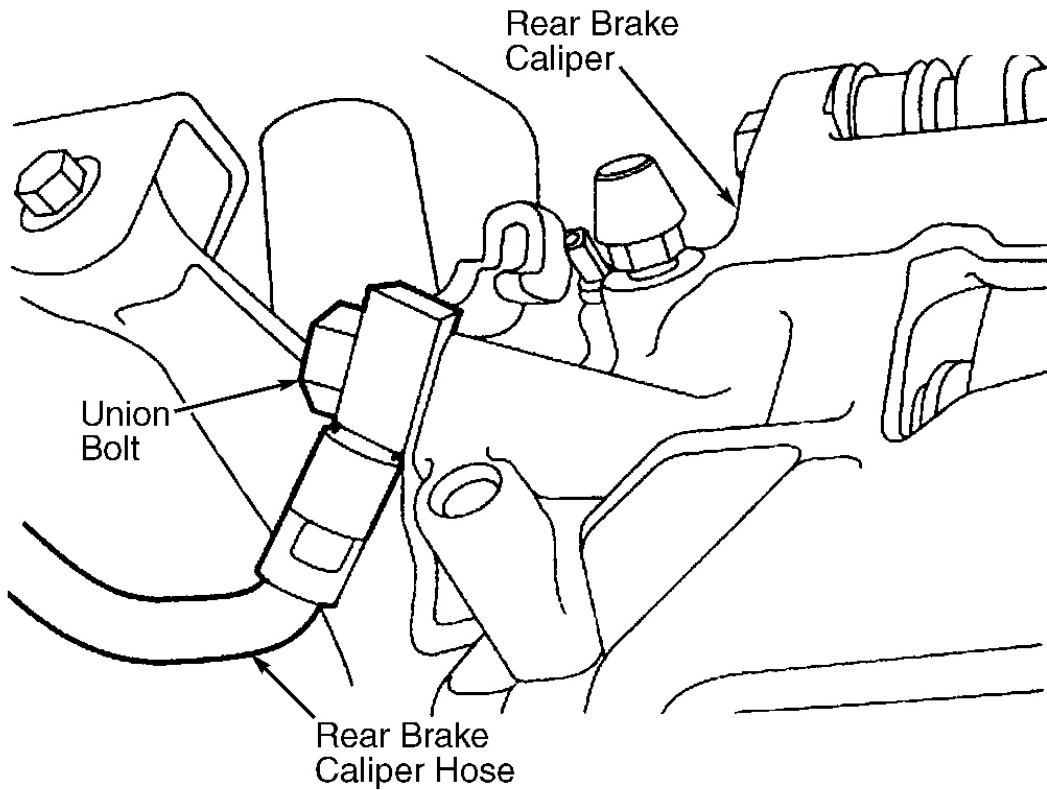
**NOTE:** The left rear brake caliper piston retracts counterclockwise and the right rear caliper piston retracts clockwise.

1. Using the Brake Caliper Piston Retractor Tool (206-080) and Crankshaft Pulley/Damper Remover (303-588), fully retract the rear brake caliper piston into the caliper housing. See [Fig. 64](#) .

**NOTE:** Make sure the piston location mark is in the correct position so that the


**locator pin on the brake pad backing plate locates correctly into the piston.**

2. Using NEW caliper retaining bolts, install the rear brake caliper. See **Fig. 62** .
3. Using NEW brake hose sealing washer, install the rear brake caliper hose. See **Fig. 61** . Tighten rear caliper brake hose union bolt to specification. See **TORQUE SPECIFICATIONS** .
4. Install the parking brake cable to rear brake caliper.
  - On vehicles with manually adjusted parking brakes, install parking brake cable retaining clip. See **Fig. 33** .
  - On vehicles with self-adjusting parking brakes, ensure that retaining tabs secure the parking brake cable housing. See **Fig. 38** .
5. Release the tension on the parking brake cable by moving the parking brake caliper lever away from the cable end. Install cable to parking brake cable lever. See **Fig. 32** .
6. Remove the brake pedal hold down tool.
7. Bleed the brake system. See **BLEEDING BRAKE SYSTEM** .
8. Install wheels. Install lug nuts and tighten to specification. See **TORQUE SPECIFICATIONS** . Make sure that all brake lines are routed correctly. Lower vehicle.



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**Fig. 61: Removing & Installing Rear Brake Caliper Hose**  
Courtesy of JAGUAR CARS, INC.

### REAR DISC BRAKE PADS

**WARNING:** Brake dust, if inhaled can damage your health. Always remove brake dust using a vacuum brush. Do not use a compressed air line to disperse brake dust into the atmosphere.

**NOTE:** Special tools required: Brake Caliper Piston Retractor Tool (206-080) and Crankshaft Pulley/Damper Remover (303-588). See Fig. 68 and Fig. 69 .

**NOTE:** Brake pads must always be replaced in axle sets.

#### Removal

1. Open engine compartment hood and fit paint protection covers to fenders. Raise and support vehicle. Remove rear wheels.

2. Release the tension on the parking brake cable by moving the parking brake caliper lever away from the cable end. Remove cable from parking brake cable lever. See **Fig. 32** .
3. Remove the parking brake cable from the rear brake caliper.
  - On vehicles with manually adjusted parking brakes, remove the retaining clip. See **Fig. 33** .
  - On vehicles with self-adjusting parking brakes, release the tabs on the parking brake cable housing. See **Fig. 38** .
4. Remove and discard the rear brake caliper retaining bolts. See **Fig. 62** . Remove the rear brake caliper and secure to one side.
5. Remove the rear brake pads. See **Fig. 63** .
6. Clean and inspect caliper and all associated parts.

**Installation**

**CAUTION:** Retracting the caliper piston may cause the fluid reservoir to overflow. Remove brake fluid spillage immediately from paint work with clean water.

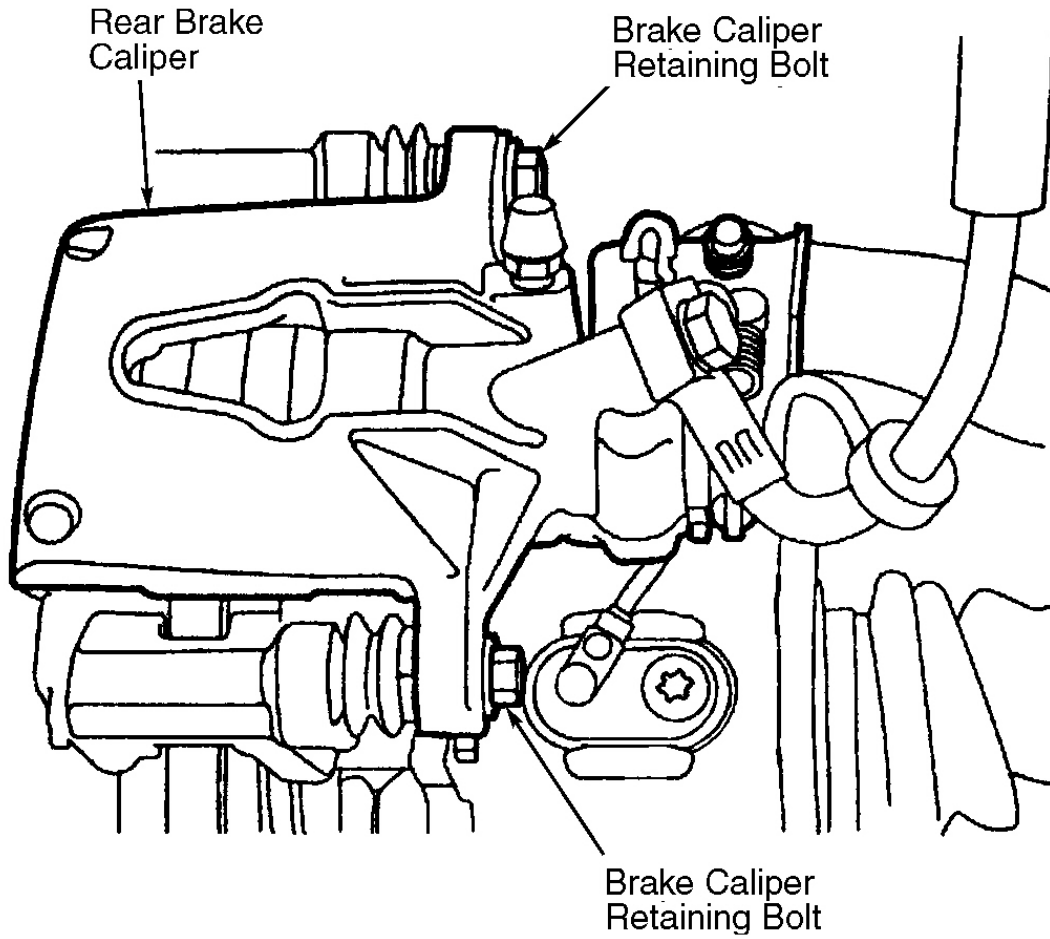
**NOTE:** The left rear brake caliper piston retracts counterclockwise and the right rear caliper piston retracts clockwise.

1. Using the Brake Caliper Piston Retractor Tool (206-080) and Crankshaft Pulley/Damper Remover (303-588), fully retract the rear brake caliper piston into the caliper housing. See **Fig. 64** .
2. Install the rear brake pads. See **Fig. 63** .

**NOTE:** Make sure the piston location mark is in the correct position so that the locator pin on the brake pad backing plate locates correctly into the piston.

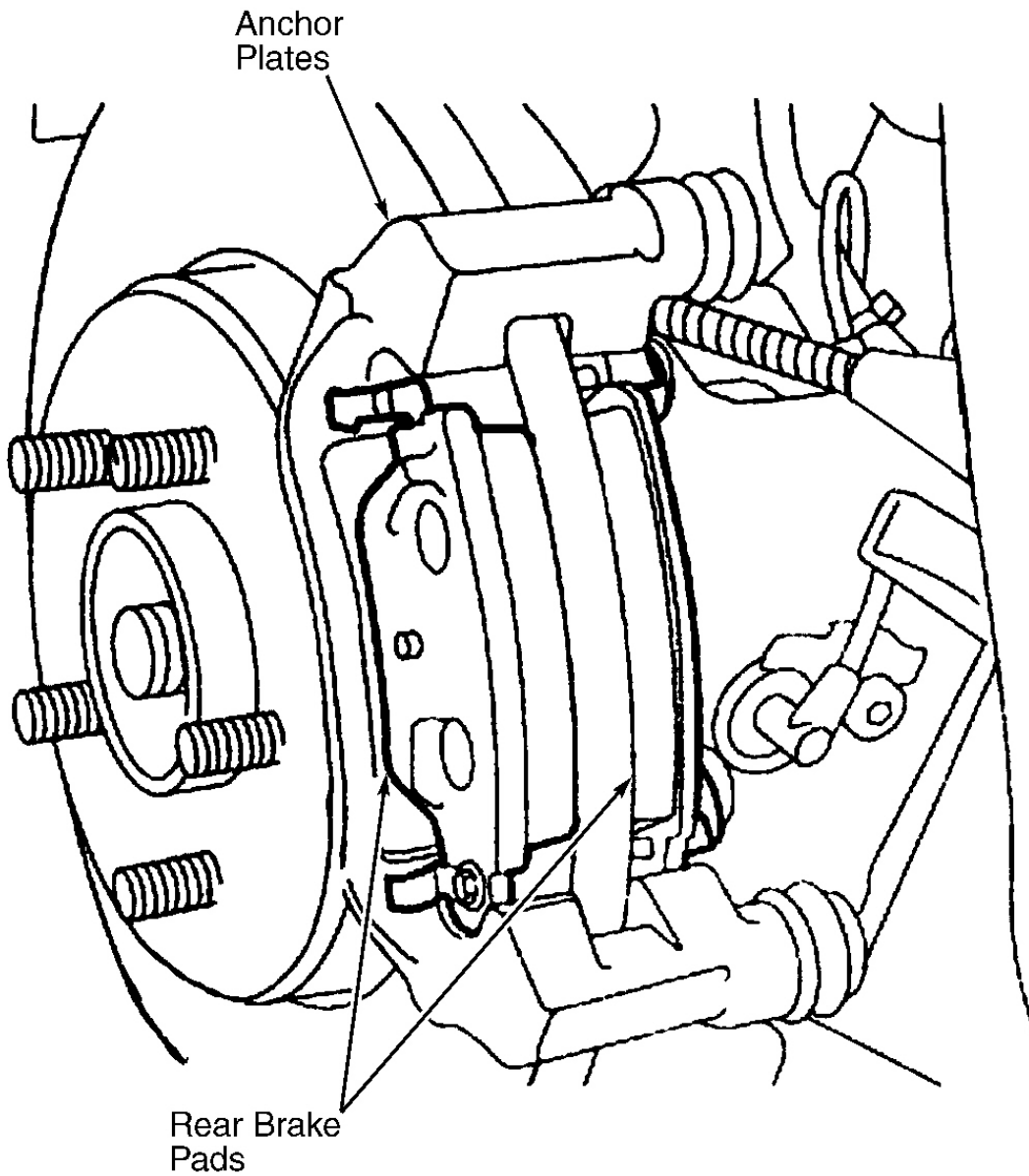
3. Using NEW caliper retaining bolts, install the rear brake caliper. See **Fig. 62** . Tighten rear caliper retaining bolts to specification. See **TORQUE SPECIFICATIONS**
4. Install the parking brake cable to rear brake caliper.
  - On vehicles with manually adjusted parking brakes, install parking brake cable retaining clip. See **Fig. 33** .
  - On vehicles with self-adjusting parking brakes, ensure that retaining tabs secure the parking brake cable housing. See **Fig. 38** .
5. Release the tension on the parking brake cable by moving the parking brake caliper lever away from the cable end. Install cable to parking brake cable lever. See **Fig. 32** .
6. Install rear wheels. Install lug nuts and tighten to specification. See **TORQUE SPECIFICATIONS** . Lower vehicle.
7. Ensure that brake fluid level is at the MAX mark on reservoir.
8. Start the engine and repeatedly press the brake pedal until brake pressure is evident. Top off brake fluid as necessary, bringing fluid level to the MAX mark. If necessary, check parking brake adjustment. See **PARKING BRAKE** under ADJUSTMENTS.

9. Remove paint work protection covers, and close engine compartment hood.



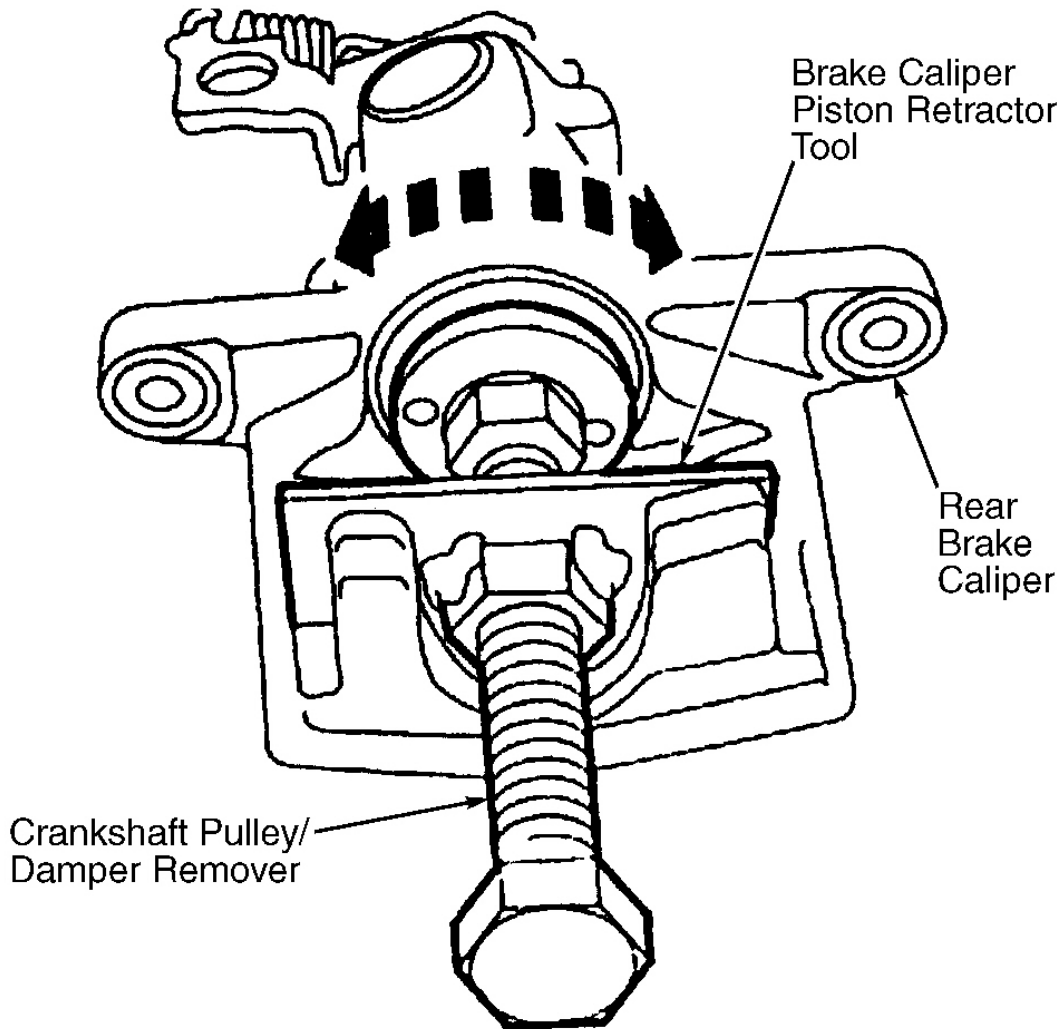
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**Fig. 62: Removing & Installing Rear Brake Caliper**  
Courtesy of JAGUAR CARS, INC.



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**Fig. 63: Removing & Installing Rear Brake Pads**  
Courtesy of JAGUAR CARS, INC.



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**Fig. 64: Retracting Rear Brake Caliper Piston**  
Courtesy of JAGUAR CARS, INC.

### REAR DISC BRAKE ROTOR

**WARNING:** Brake dust, if inhaled can damage your health. Always remove brake dust using a vacuum brush. Do not use a compressed air line to disperse brake dust into the atmosphere.

#### Removal

1. Remove rear disc brake pads. See **REAR DISC BRAKE PADS** .

2. Remove the ABS wheel speed sensor retaining bolt and remove ABS sensor. See **Fig. 65** .
3. Remove the anchor plate retaining bolts and remove anchor plate. See **Fig. 65** .

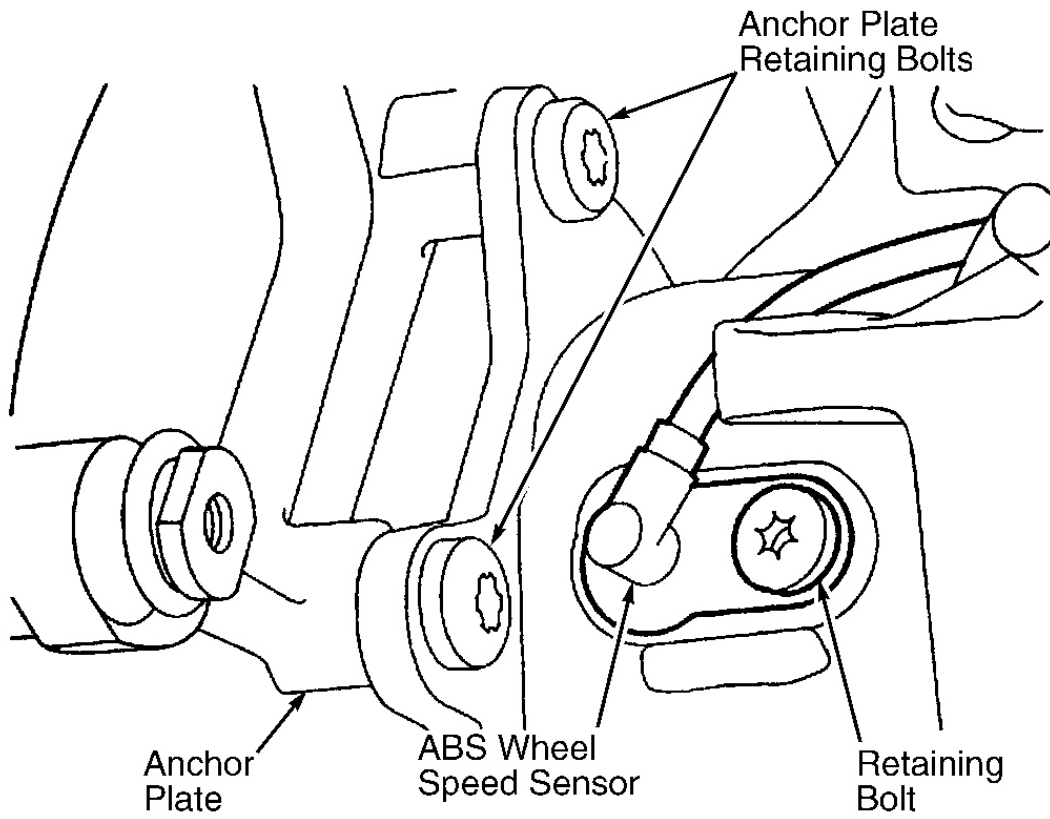
**NOTE:** If the brake disc is being refitted, the tip of a wheel hub stud must be marked with a corresponding part of the brake disc for correct realignment.

4. Remove the rear brake disc from hub.
5. Clean and inspect all associated parts.

**Installation**

**NOTE:** If the brake disc is being refitted, ensure the marks on the tip of the wheel hub stud and corresponding mark on the brake disc, made during the removal procedure, are in proper alignment.

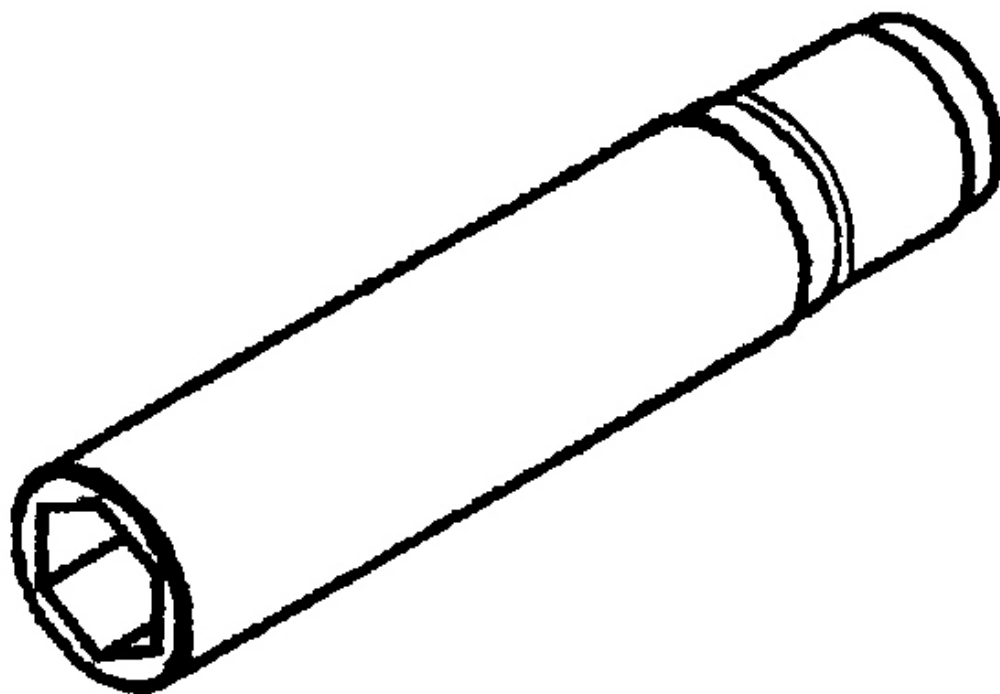
1. Install brake disc to hub.
2. Using NEW anchor plate bolts, install the anchor plate. See **Fig. 30** . Tighten anchor plate bolts to specification. See **TORQUE SPECIFICATIONS** .
3. Install the ABS wheel speed sensor and retaining bolt. See **Fig. 65** . Tighten ABS sensor retaining bolt to specifications. See **TORQUE SPECIFICATIONS** .
4. Install front disc brake pads. See **FRONT DISC BRAKE PADS** .



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**Fig. 65: Removing & Installing Rear ABS Wheel Speed Sensor & Anchor Plate**  
Courtesy of JAGUAR CARS, INC.

## SPECIAL TOOLS

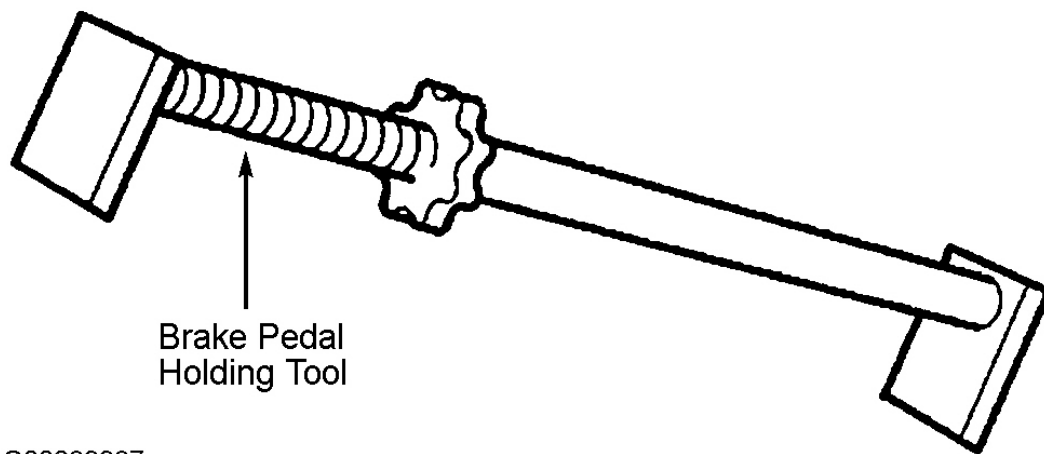


## Parking Brake Cable Adjuster Socket

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**Fig. 66: Identifying Parking Brake Cable Adjuster Socket (206-087)**

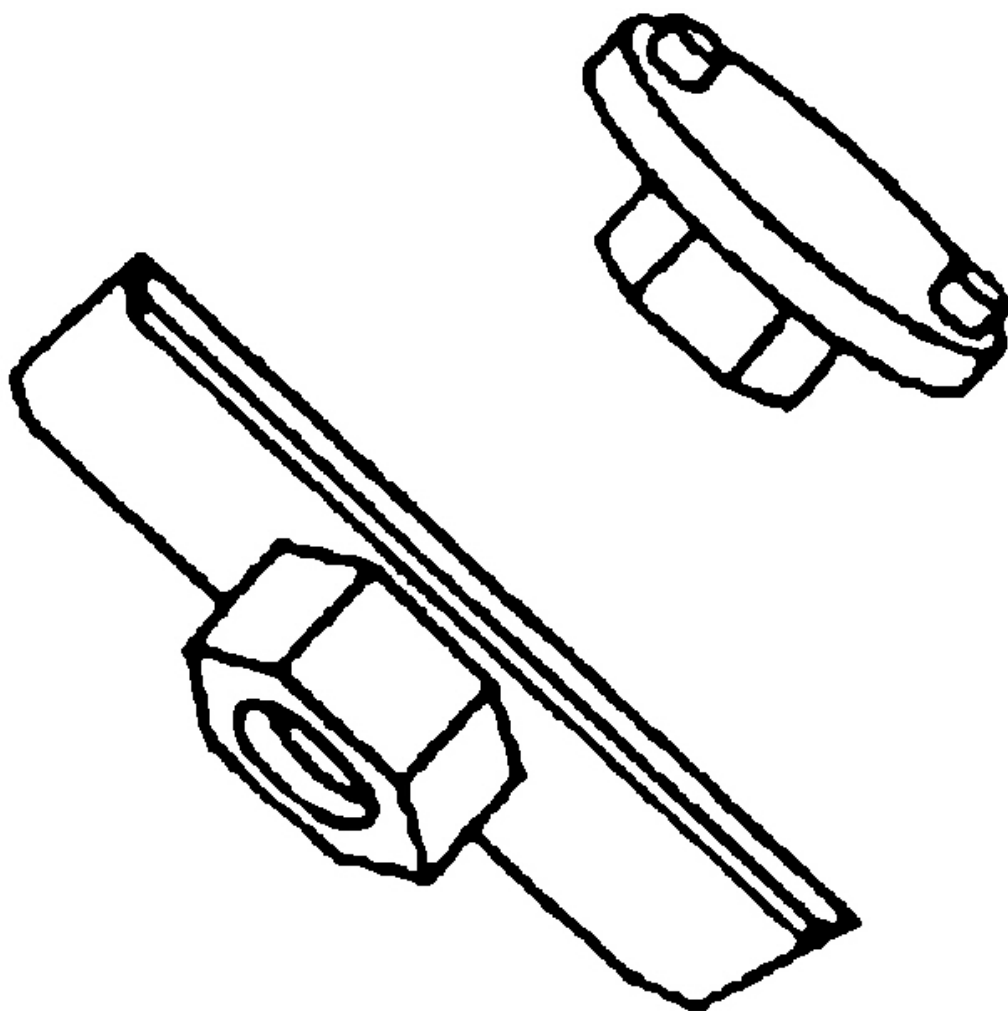
Courtesy of JAGUAR CARS, INC.



Brake Pedal  
Holding Tool

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**Fig. 67: Identifying Brake Pedal Holding Tool (JDS 9013)**  
Courtesy of JAGUAR CARS, INC.

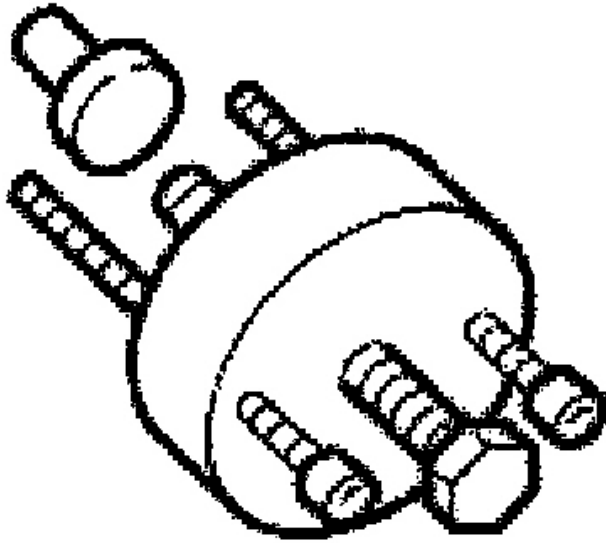


Caliper Piston Retractor Tool

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**Fig. 68: Identifying Caliper Piston Retractor Tool (206-080)**

Courtesy of JAGUAR CARS, INC.



## Crankshaft Pulley/Damper Remover

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**Fig. 69: Identifying Crankshaft Pulley/Damper Remover (303-588)**  
Courtesy of JAGUAR CARS, INC.

### **BRAKE BLEEDING SEQUENCE <sup>(1)</sup>**

<b>Application</b>	<b>Sequence</b>
All Models	RR, LR, RF & LF
(1) Use ITT Super DOT 4 brake fluid.	