

WHEEL HUB/SPEED SENSOR REPLACEMENT

Removal Procedure

CAUTION: Refer to [Brake Dust Caution](#) .

CAUTION: Refer to [ABS Component Handling Caution](#) .

IMPORTANT: The wheel hub and speed sensor are serviced as an assembly. They are not service as individual items.

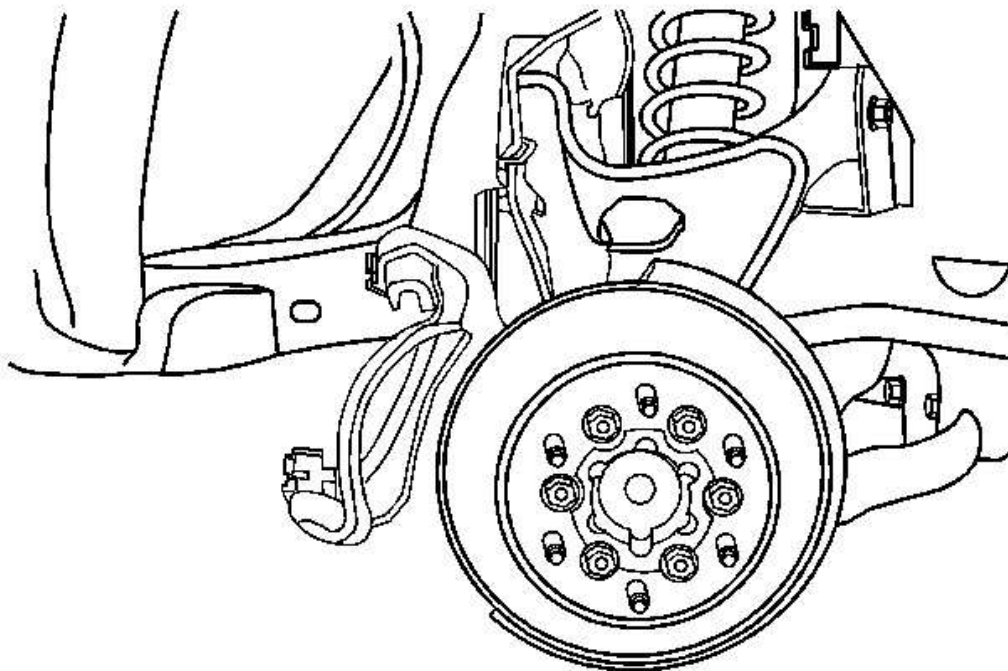


Fig. 19: View Of Brake Caliper Mounting Bracket
Courtesy of GENERAL MOTORS CORP.

1. Raise the vehicle. Refer to [Lifting and Jacking the Vehicle](#) .
2. Remove the front brake caliper. Refer to [Brake Caliper Replacement](#) .

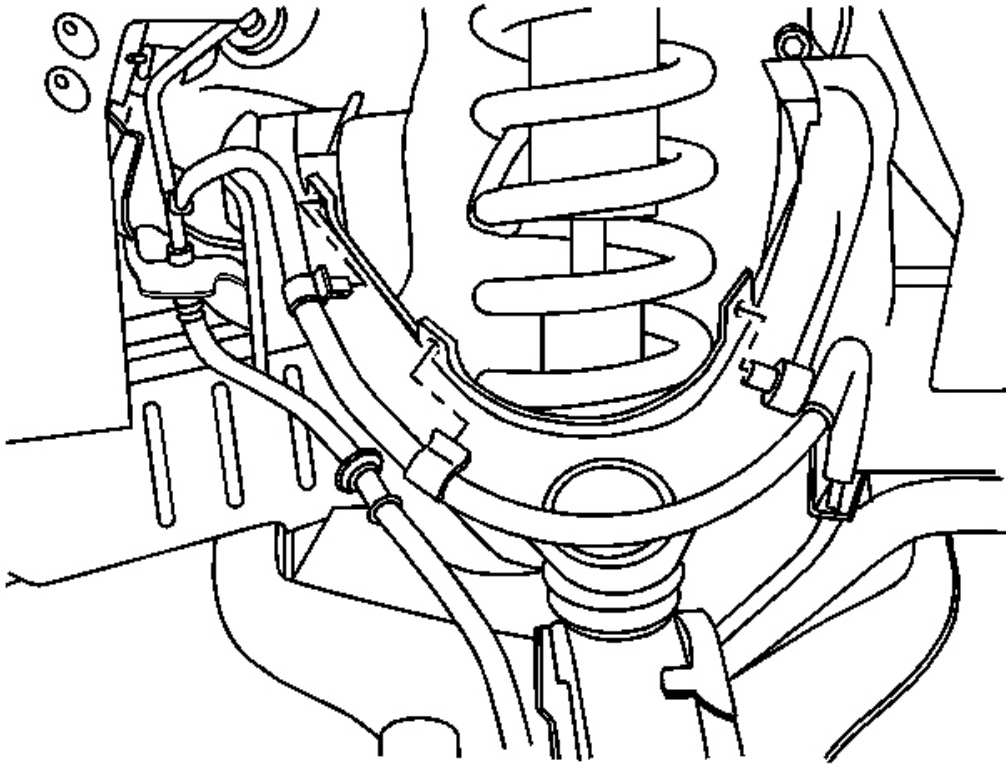


Fig. 20: View Of ABS Speed Sensor Wiring Harness
Courtesy of GENERAL MOTORS CORP.

3. Remove the antilock brake system (ABS) speed sensor wiring harness from the upper control arm.

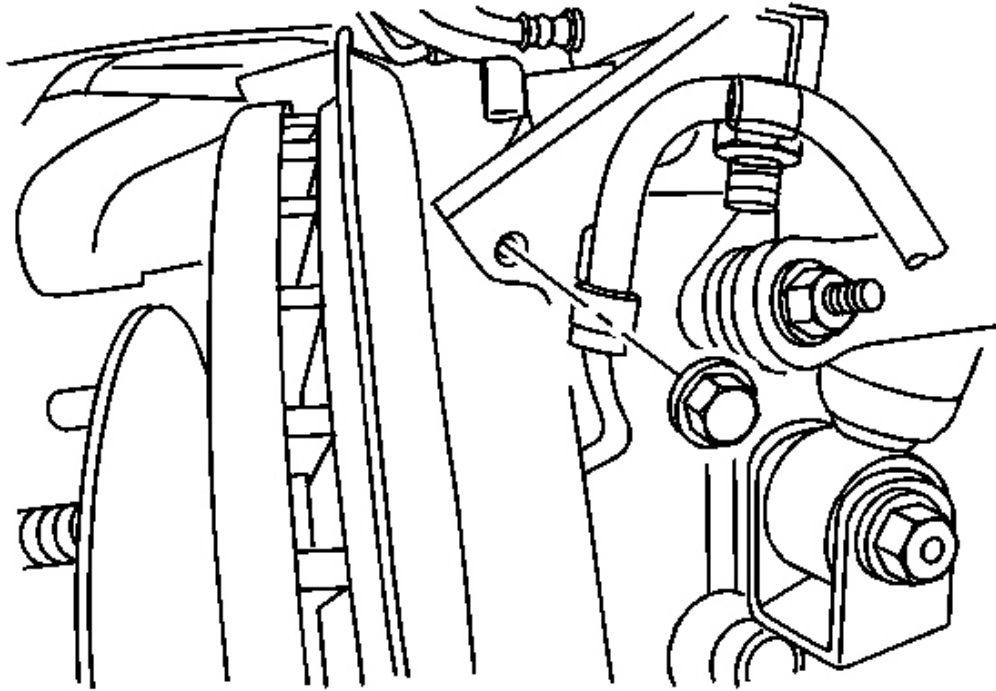


Fig. 21: View Of Speed Sensor Bracket Front Retaining Bolt
Courtesy of GENERAL MOTORS CORP.

4. Remove the front retaining bolt for the speed sensor bracket at the upper control arm.

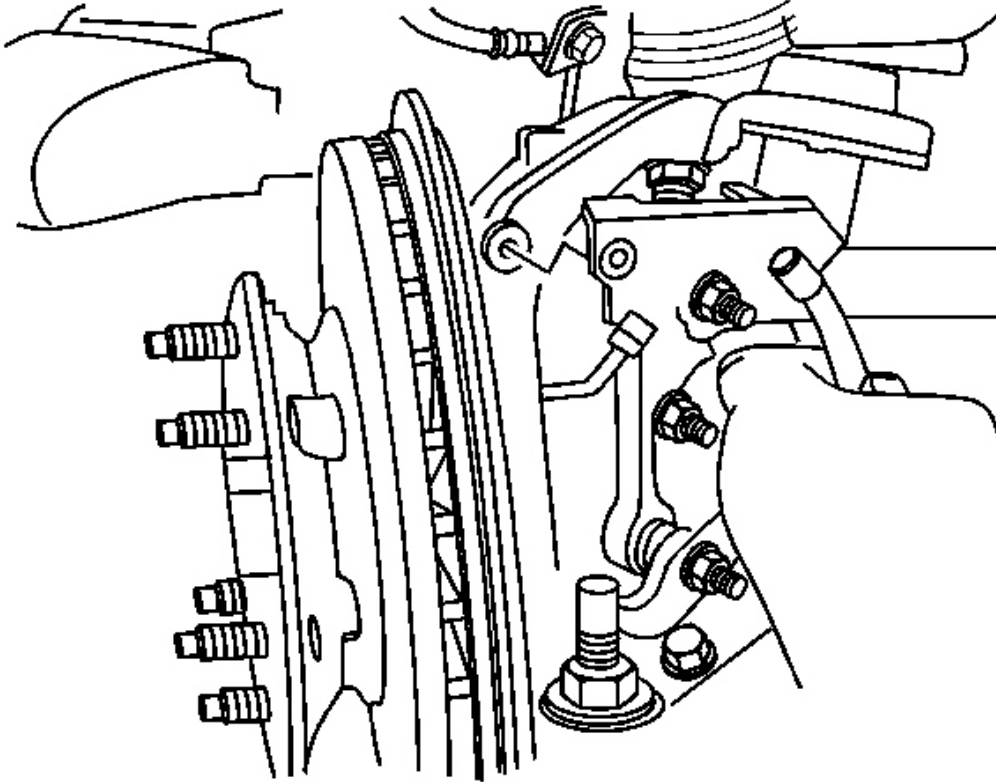


Fig. 22: View Of Speed Sensor Bracket
Courtesy of GENERAL MOTORS CORP.

5. Remove the speed sensor bracket from the upper control arm.

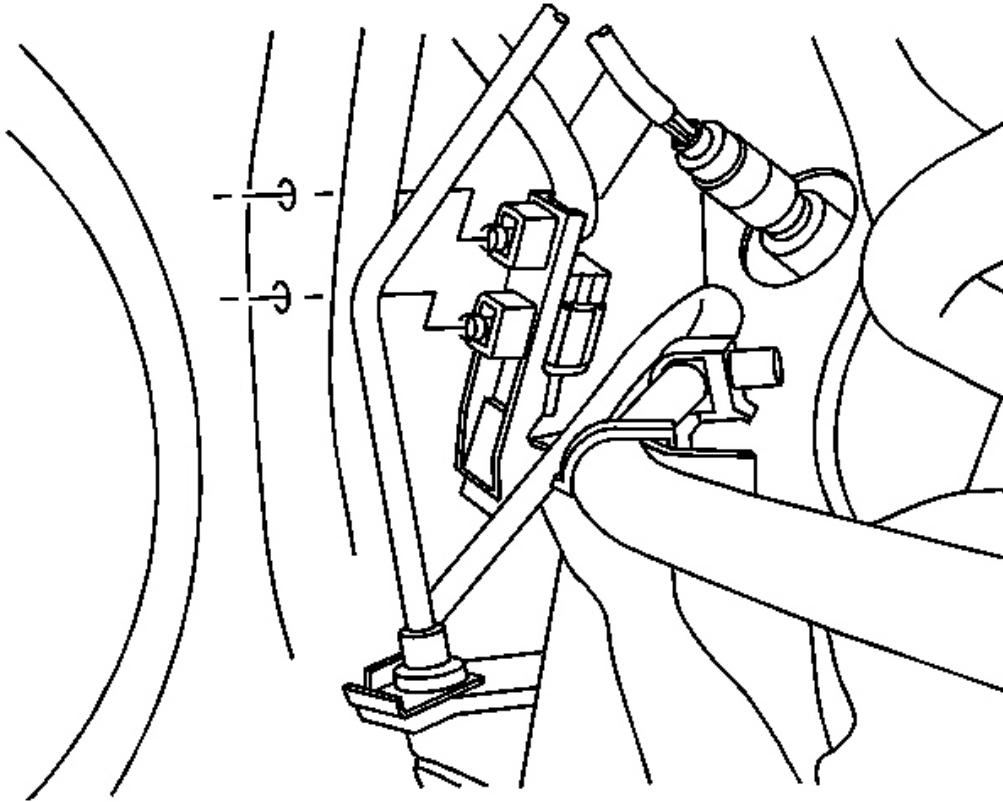


Fig. 23: View Of Speed Sensor Electrical Connector

Courtesy of GENERAL MOTORS CORP.

IMPORTANT: Mark the holes used to mount the speed sensor electrical connector before removing. This will ensure the proper location of the speed sensor electrical connector for installation.

6. Remove the speed sensor electrical connector from the body.

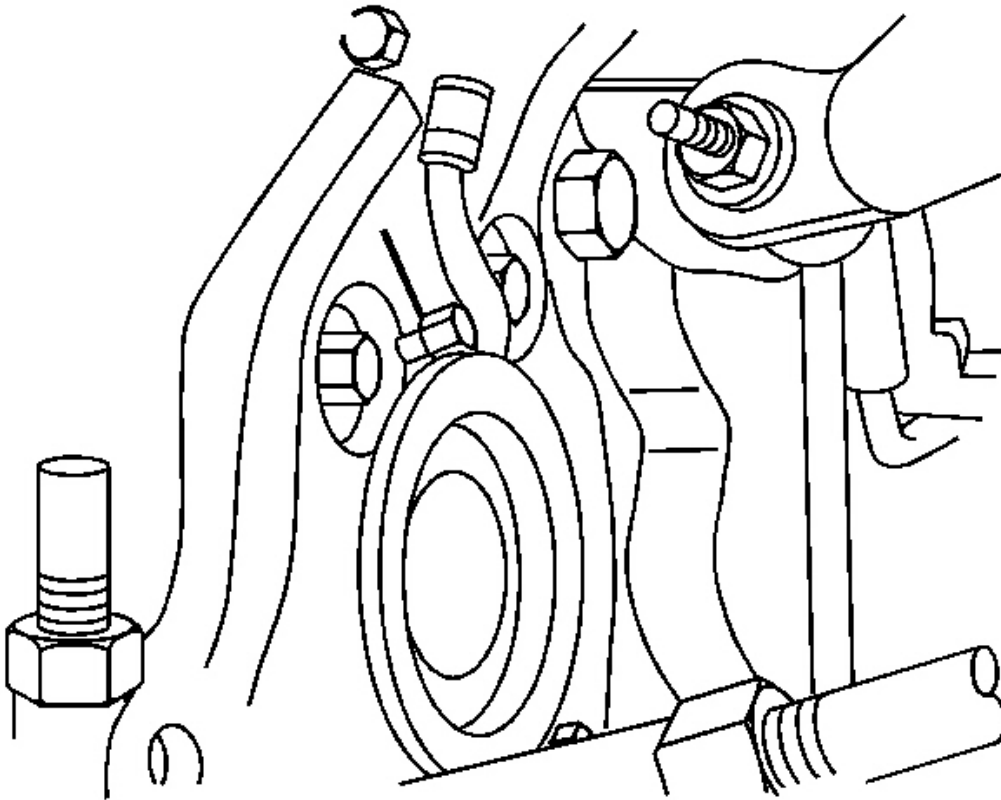


Fig. 24: Marking Location Of Speed Sensor Wiring Harness To Steering Knuckle
Courtesy of GENERAL MOTORS CORP.

IMPORTANT: The following service procedure is to ensure that the speed sensor wiring harness is properly positioned so that the length of the wiring harness is correct for installation. Failure to do so could cause damage to the speed sensor wiring harness.

7. Using white or bright colored paint, mark the location of the speed sensor wiring harness to the steering knuckle.

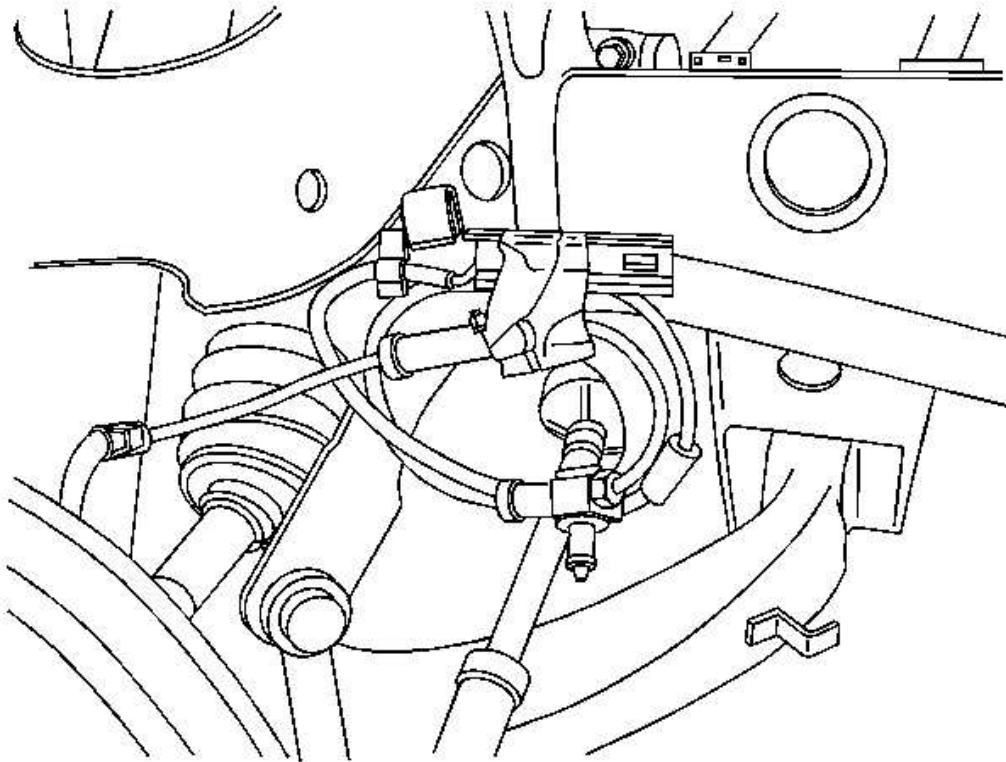


Fig. 25: Bundling Speed Sensor Wiring Harness

Courtesy of GENERAL MOTORS CORP.

8. To ensure the ease of removal, bundle speed sensor wiring harness so not to have it entangled in any of the suspension components.

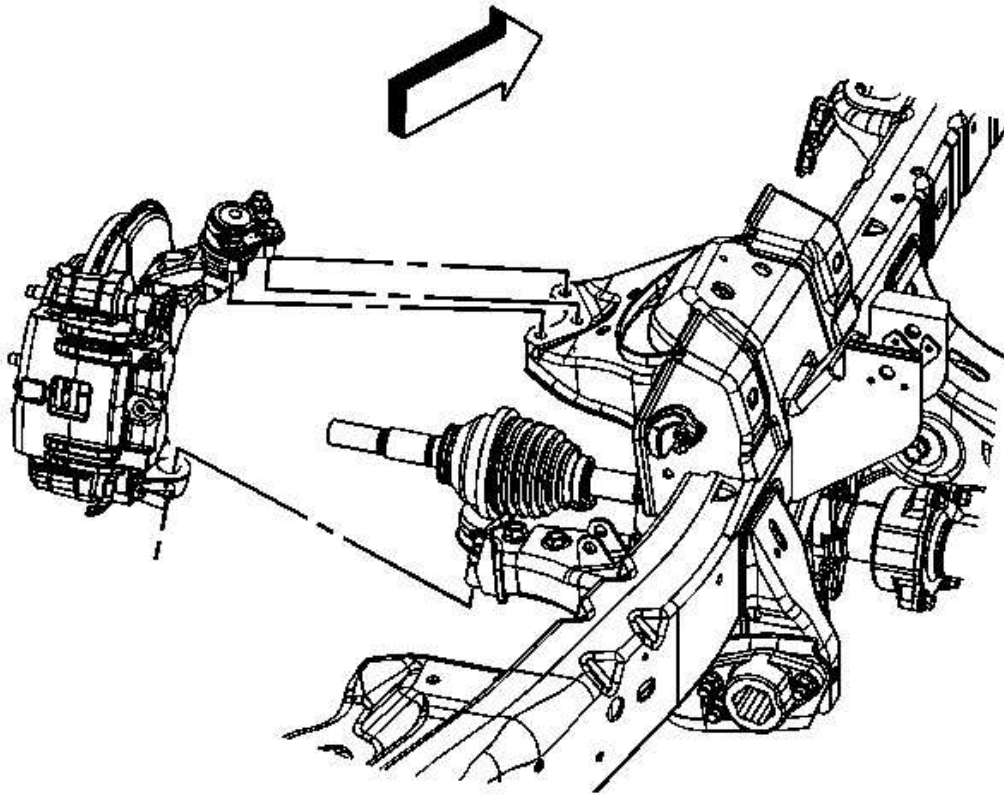


Fig. 26: View Of Steering Knuckle

Courtesy of GENERAL MOTORS CORP.

IMPORTANT: The following service procedure applies to those vehicles that are equipped with 4 wheel drive ONLY.

9. Remove the steering knuckle assembly. Refer to [Steering Knuckle Replacement \(2WD\)](#) or [Steering Knuckle Replacement \(4WD\)](#).

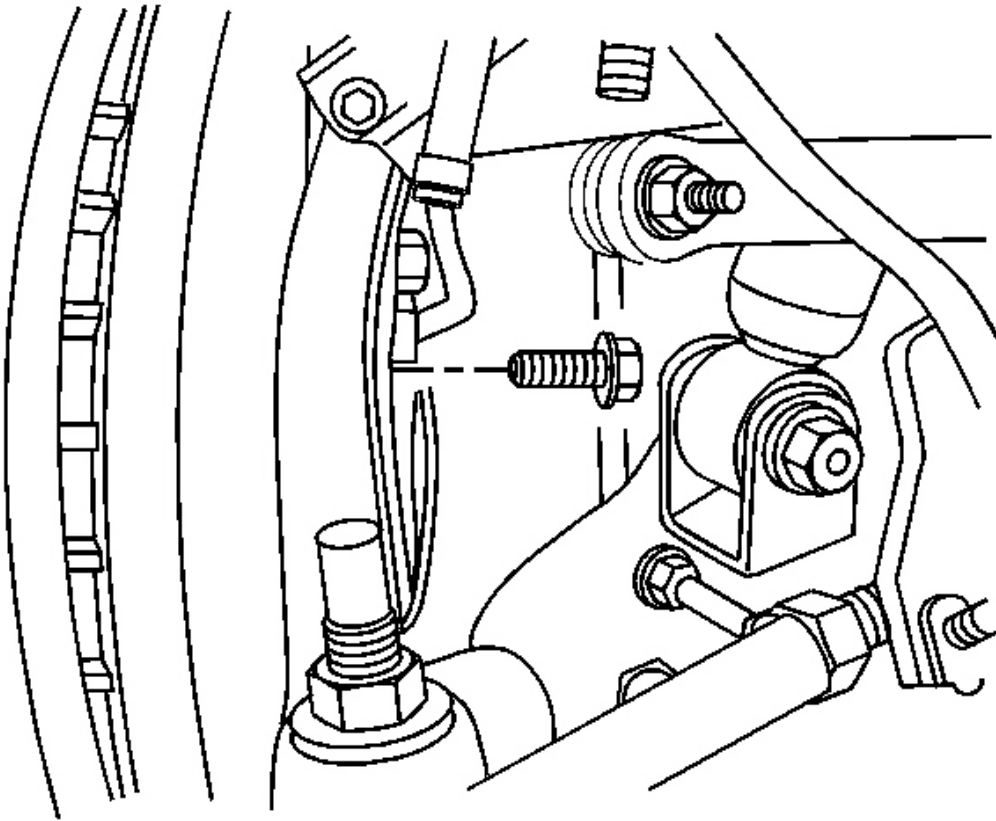


Fig. 27: View Of Wheel Bearing/Hub Mounting Bolts, Brake Rotor Assembly
Courtesy of GENERAL MOTORS CORP.

10. Remove the mounting bolts for the wheel bearing/hub, brake rotor assembly.

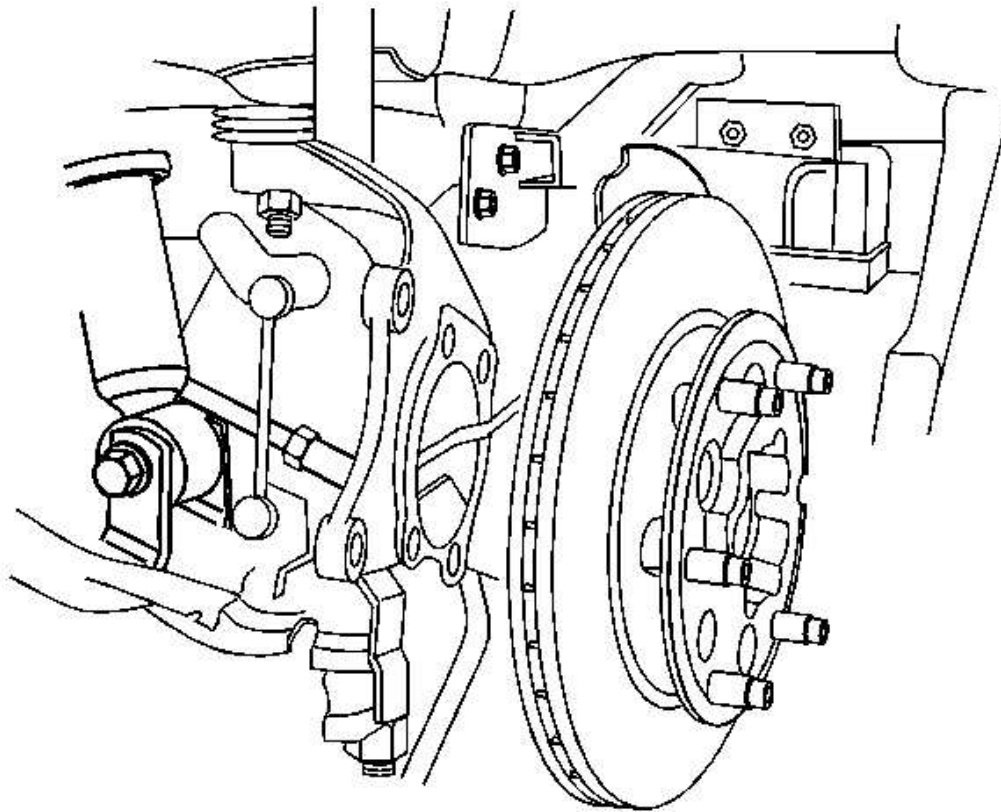


Fig. 28: View Of Wheel Hub/Speed Sensor Assembly
Courtesy of GENERAL MOTORS CORP.

11. Remove the wheel bearing/hub, brake rotor assembly from the steering knuckle.

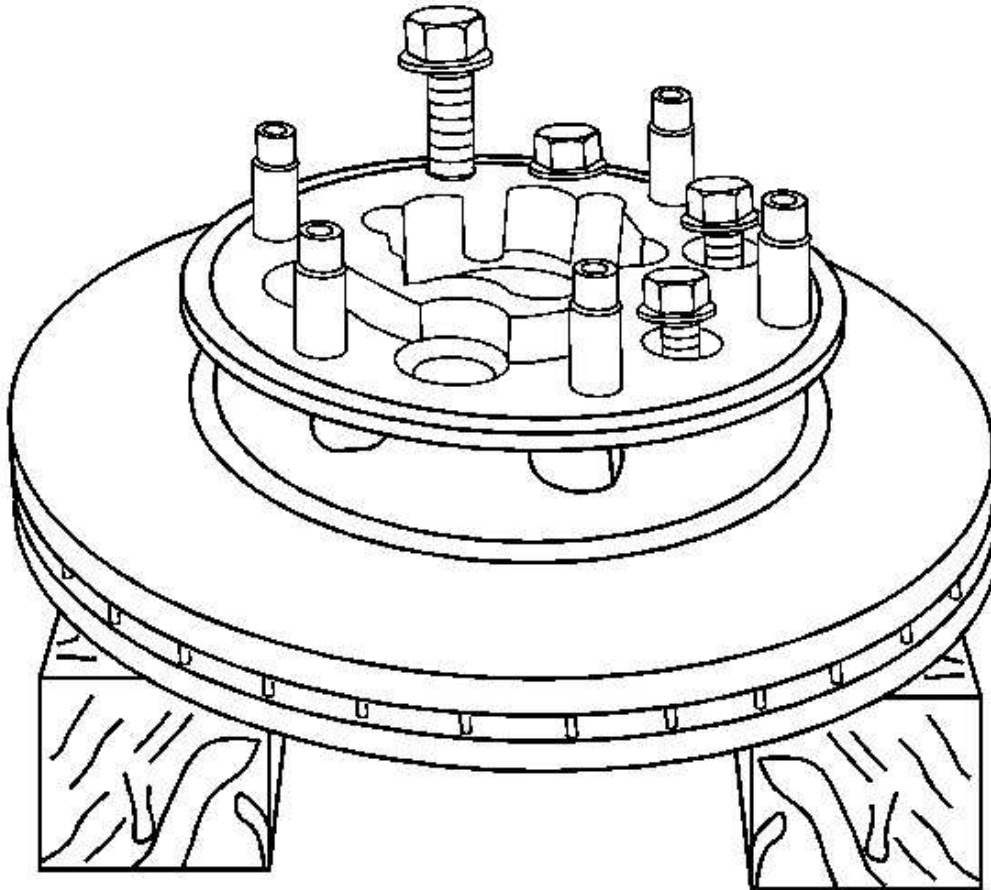


Fig. 29: View Of Wheel Hub/Speed Sensor To Brake Rotor Bolts
Courtesy of GENERAL MOTORS CORP.

IMPORTANT: Perform the following service procedure with the brake rotor on a flat surface.

12. Remove the mounting bolt from the wheel bearing/hub, to the brake rotor.

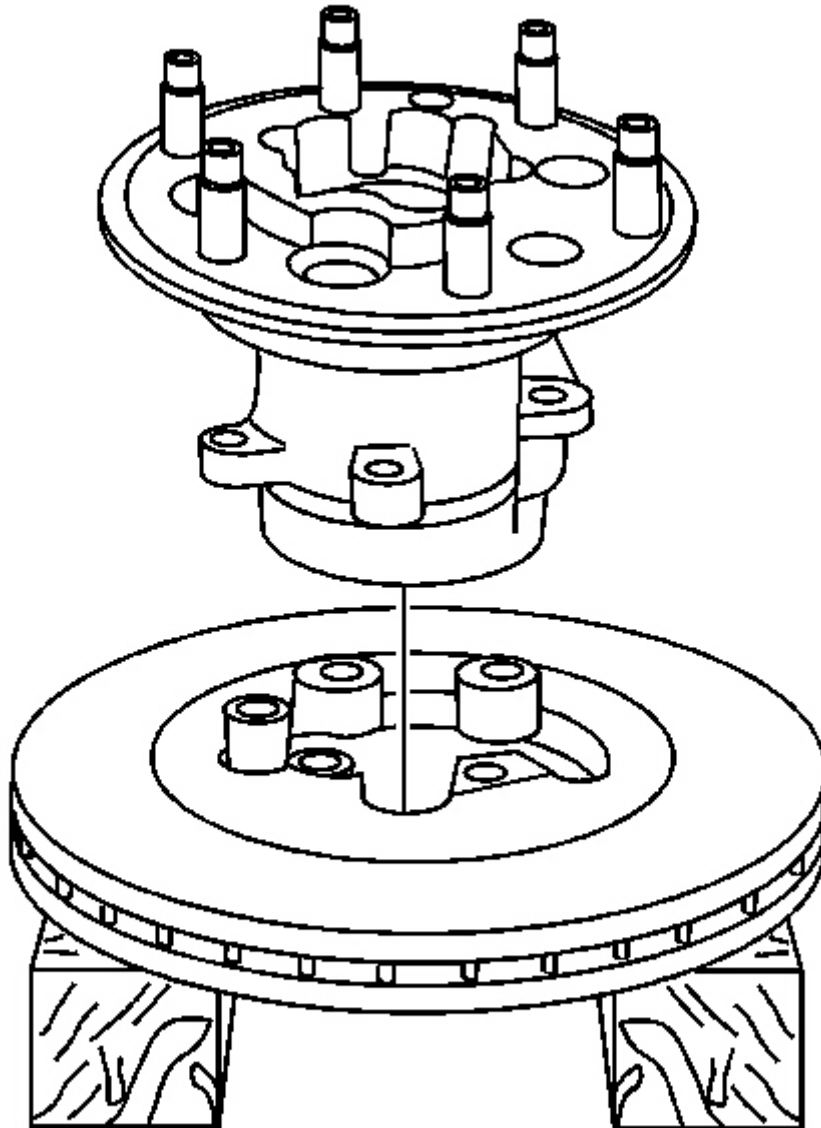


Fig. 30: View Of Brake Rotor
Courtesy of GENERAL MOTORS CORP.

IMPORTANT: The splash shield will come off the steering knuckle when the wheel bearing/hub, brake rotor is removed.

13. Remove the wheel bearing/hub from the brake rotor.

2007 Chevrolet Colorado

2007 SUSPENSION Front Suspension - Canyon, Colorado, I290 & I370

14. Clean the contact area between the wheel bearing/hub and the brake rotor.