

**Removal**

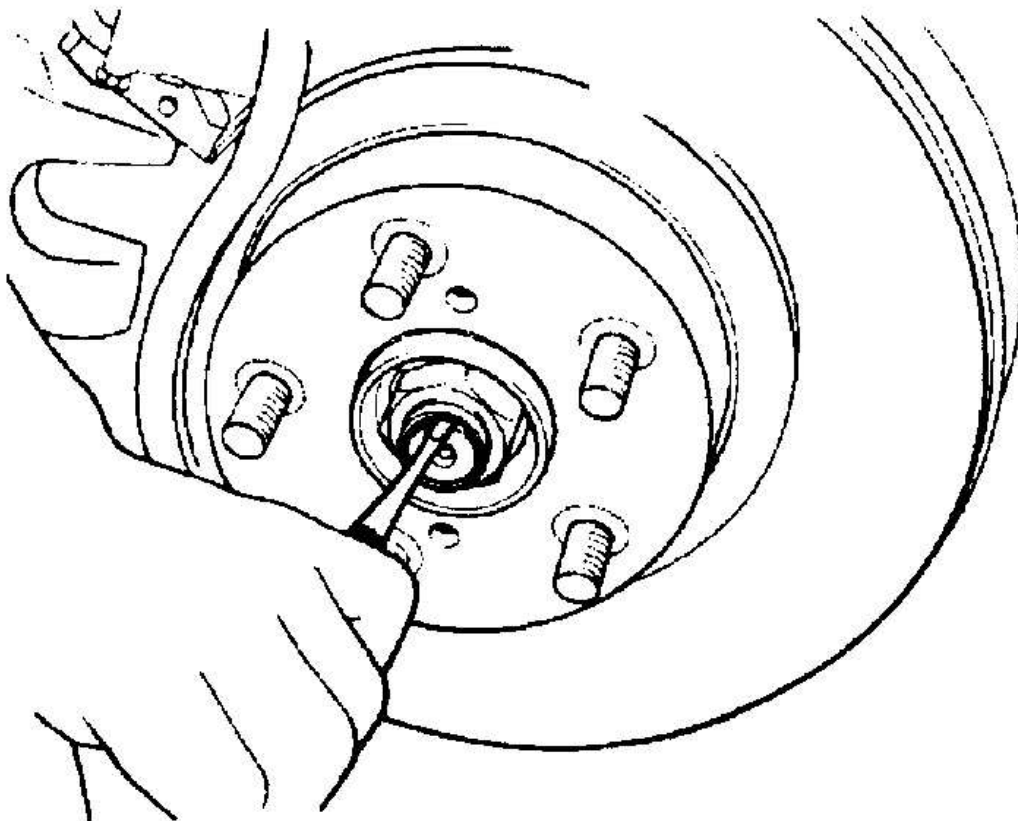
1. Disconnect ground cable from battery.
2. Jack-up vehicle, support it with safety stands, and remove front wheels.
3. Unlock axle nut. See **Fig. 9** .

**CAUTION: Be sure to loose and retighten axle nut after removing wheel from vehicle. Failure to follow this rule may damage wheel bearings.**

4. Remove axle nut while depressing brake pedal to prevent front drive shaft from turning.
5. Remove stabilizer link. See **Fig. 10** .
6. Remove disc brake caliper from housing, and suspend it from strut using a wire.
7. Remove disc rotor from hub. See **Fig. 11** . If disc rotor seizes up within hub, drive disc rotor out by installing an 8-mm bolt in screw hole on the rotor.
8. Remove cotter pin and castle nut which secure tie-rod end to housing knuckle arm. See **Fig. 12** .
9. Using a puller, remove tie-rod ball joint from knuckle arm. See **Fig. 13** .
10. Remove ABS sensor assembly and harness. See **Fig. 14** .
11. Remove bolt which secures sensor harness to strut. See **Fig. 15** .
12. Remove transverse link ball joint from housing. See **Fig. 16** .

**CAUTION: DO NOT pull inner joint when removing axle shaft.**

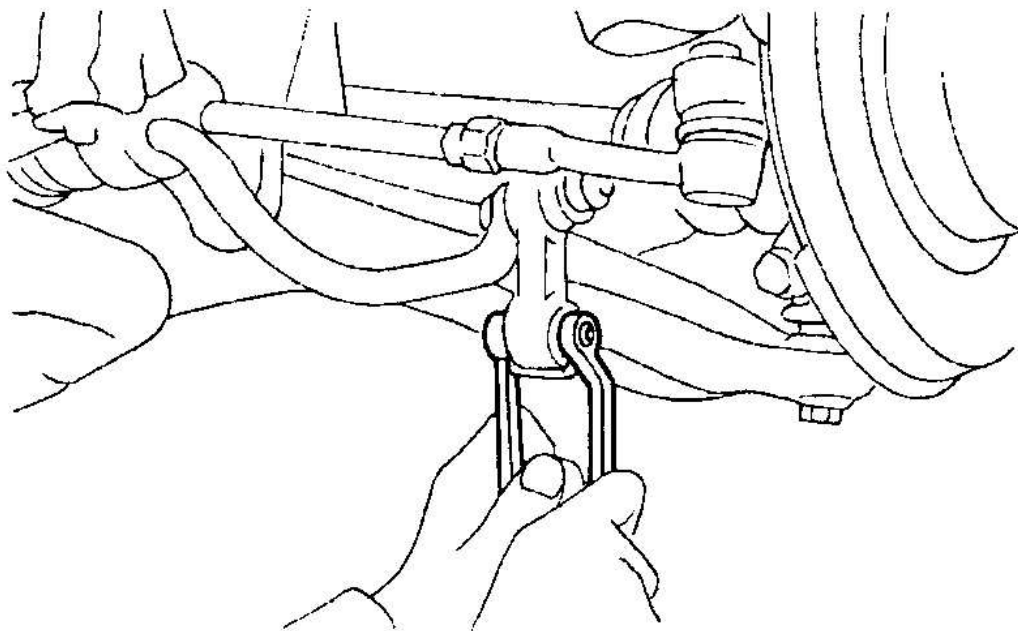
13. Remove inner joint from transmission spindle.
14. Remove front axle shaft assembly from hub. See **Fig. 17** .
15. After scribing an alignment mark on camber adjusting bolt head, remove bolts which connect housing and strut, and disconnect housing from strut. See **Fig. 18** .



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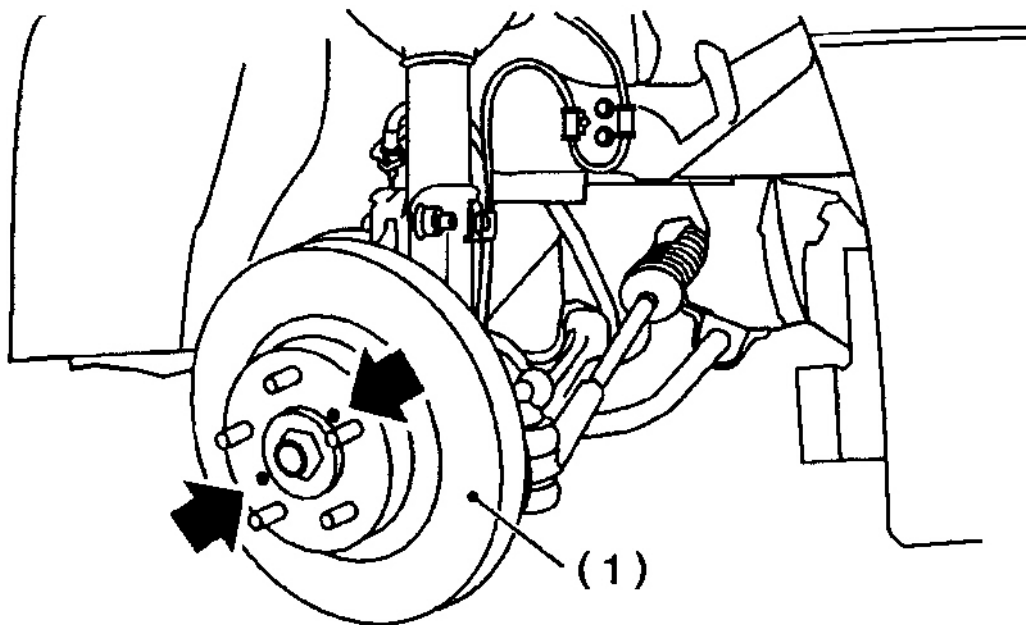
**Fig. 9: Removing Axle Nut**

Courtesy of SUBARU OF AMERICA, INC.



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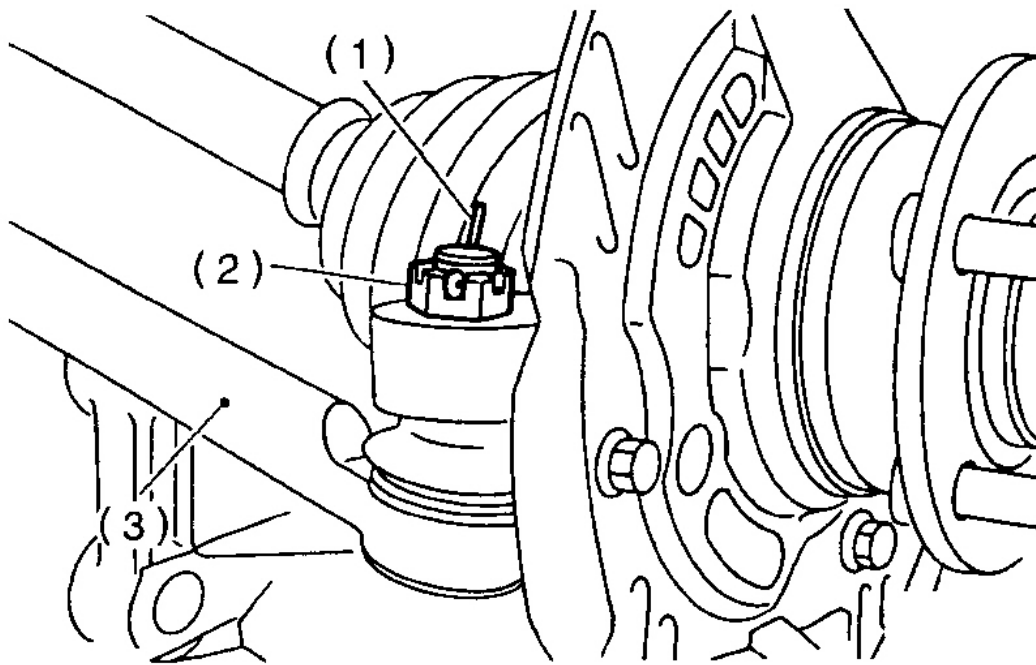
**Fig. 10: Removing Stabilizer Link**  
Courtesy of SUBARU OF AMERICA, INC.



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**Fig. 11: Removing Disc Rotor From Hub**

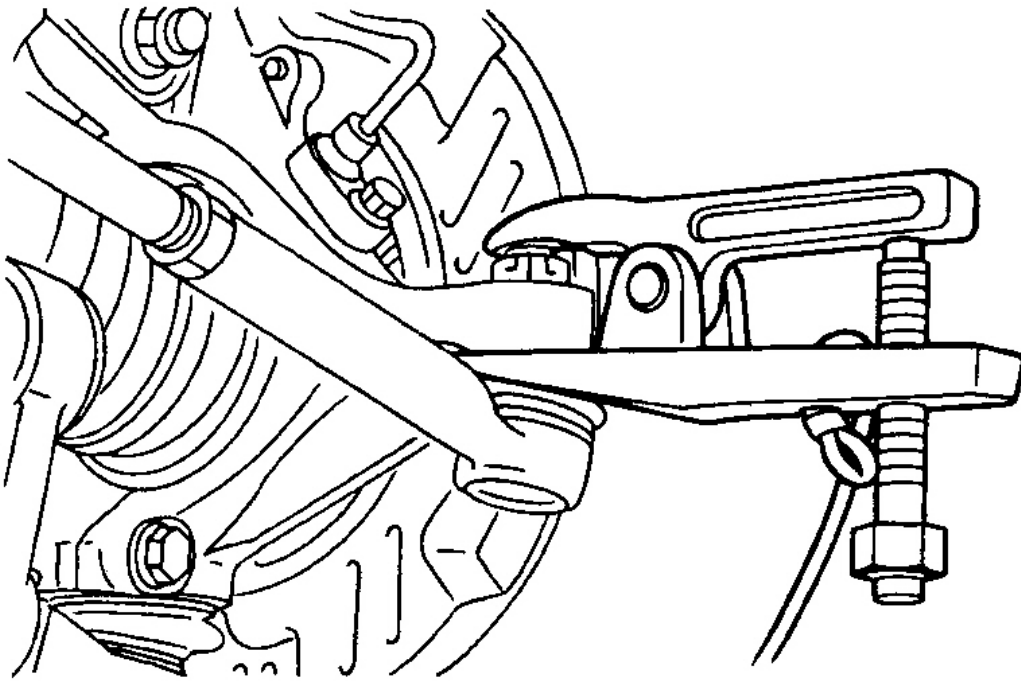
Courtesy of SUBARU OF AMERICA, INC.



- (1) Cotter pin
- (2) Castle nut
- (3) Tie-rod

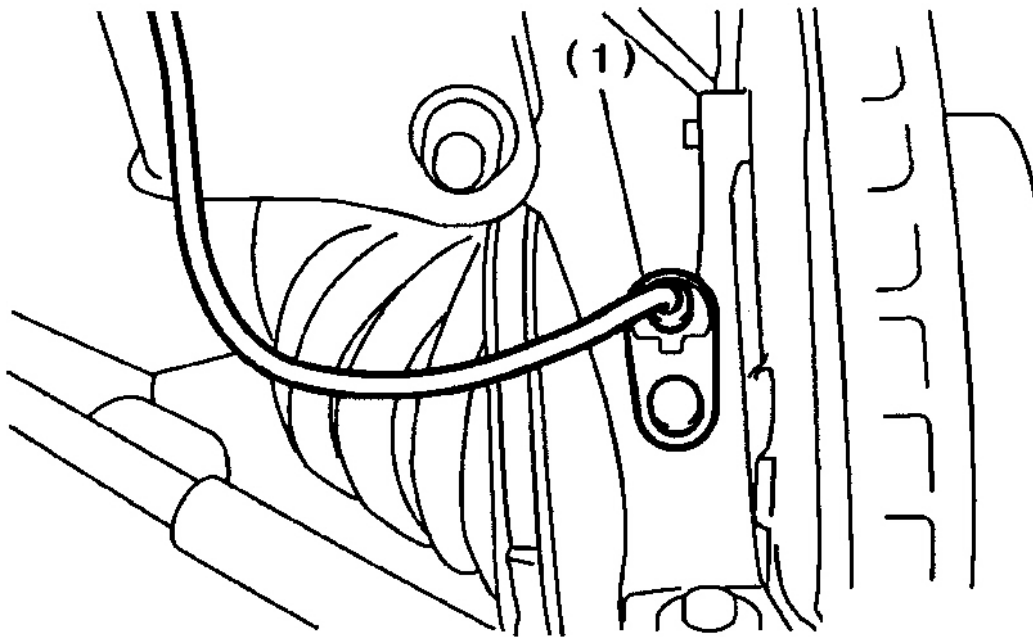
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**Fig. 12: Removing Cotter Pin & Castle Nut**  
Courtesy of SUBARU OF AMERICA, INC.



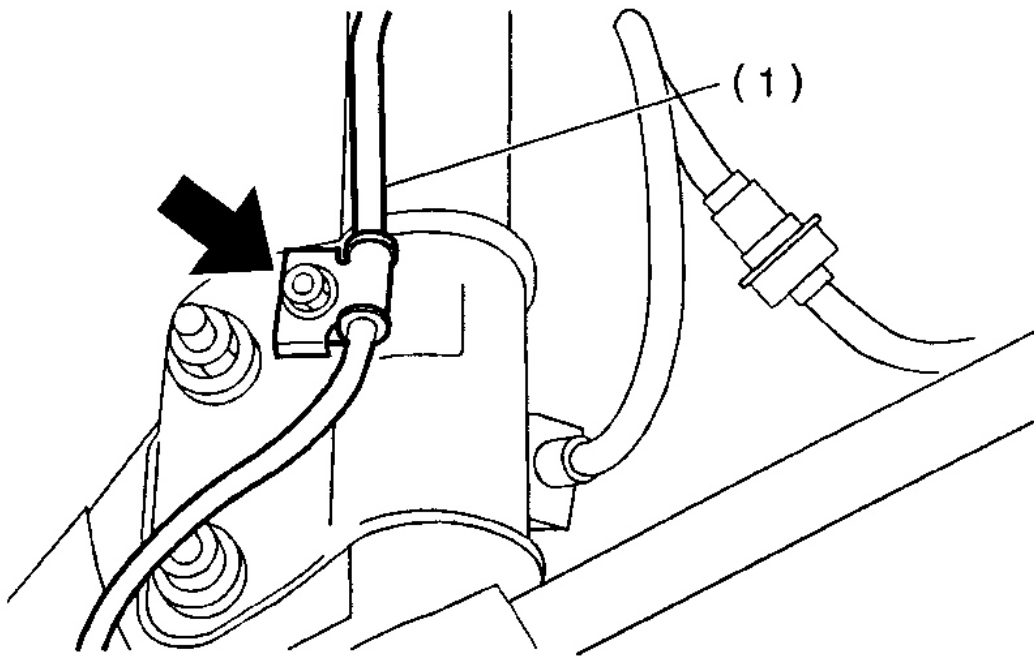
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**Fig. 13: Removing Tie-Rod Ball Joint From Knuckle Arm**  
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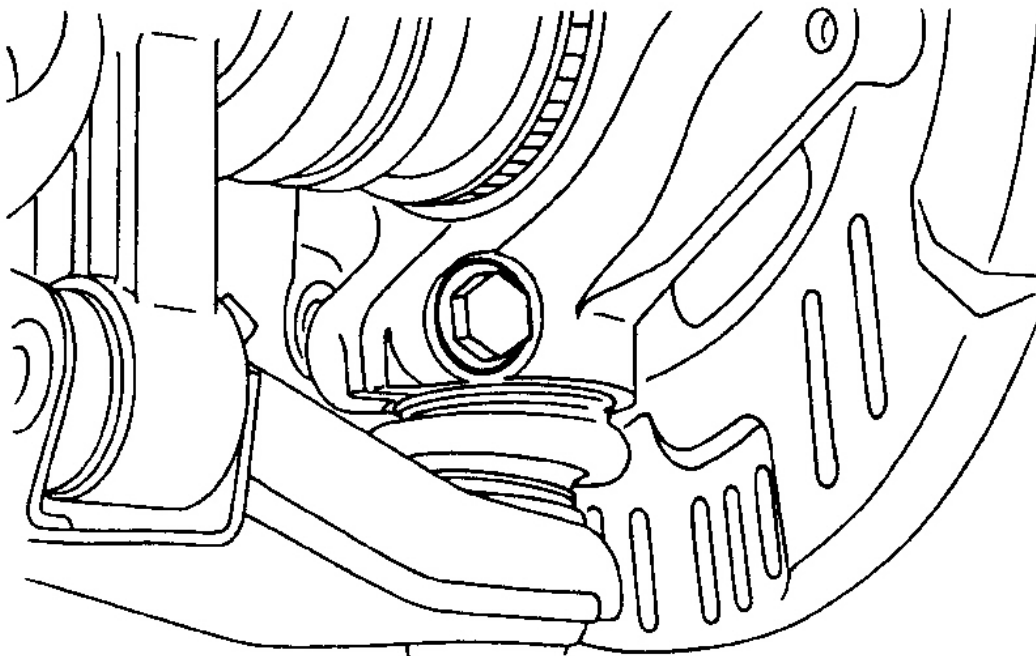
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**Fig. 14: Removing ABS Sensor Assembly**  
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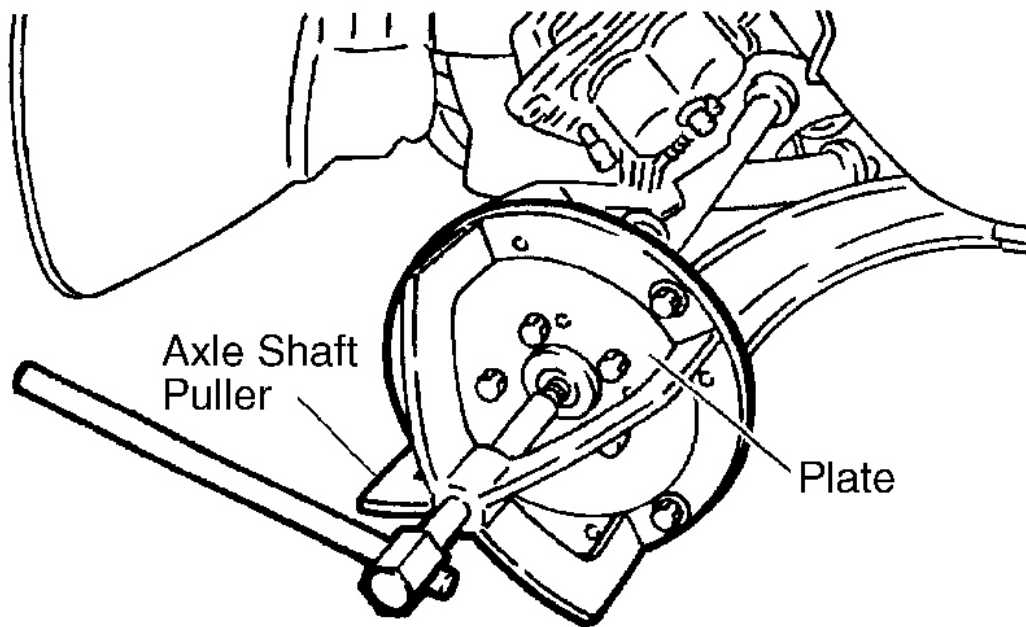
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**Fig. 15: Removing Bolt Securing Harness To Strut**  
Courtesy of SUBARU OF AMERICA, INC.



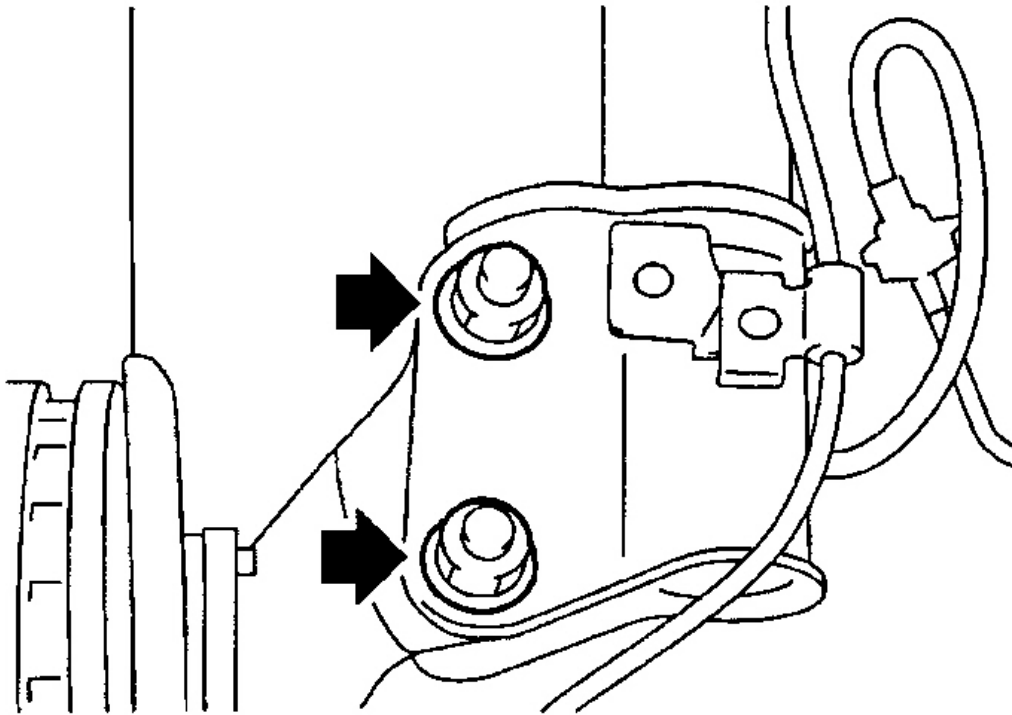
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**Fig. 16: Removing Transverse Link From Housing**  
Courtesy of SUBARU OF AMERICA, INC.



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**Fig. 17: Removing Front Axle Shaft From Hub**  
Courtesy of SUBARU OF AMERICA, INC.



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**Fig. 18: Disconnecting Housing From Strut**  
Courtesy of SUBARU OF AMERICA, INC.

**Installation**

**CAUTION:** When self-locking nut is removed, replace it with new one.