

AXLE SHAFTS - REAR

1992 Subaru SVX

1992 DRIVE AXLES
Subaru - AWD Rear Axle Shafts

SVX

DESCRIPTION & OPERATION

Axle shafts transfer power from rear differential to rear wheels. Axle shafts consist of a shaft with a flexible Constant Velocity (CV) joint at each end. Inner and outer CV joints are enclosed by CV joint boots. Boot maintains lubrication in the joint and prevents contaminants from entering joint. Boots must be replaced when signs of leakage or cracks are present. Inner tripod type CV joint can be repaired, but outer CV joint and shaft must be replaced as an assembly.

TROUBLE SHOOTING

NOTE: See the TROUBLE SHOOTING - BASIC PROCEDURES article in the GENERAL INFORMATION section.

REMOVAL & INSTALLATION

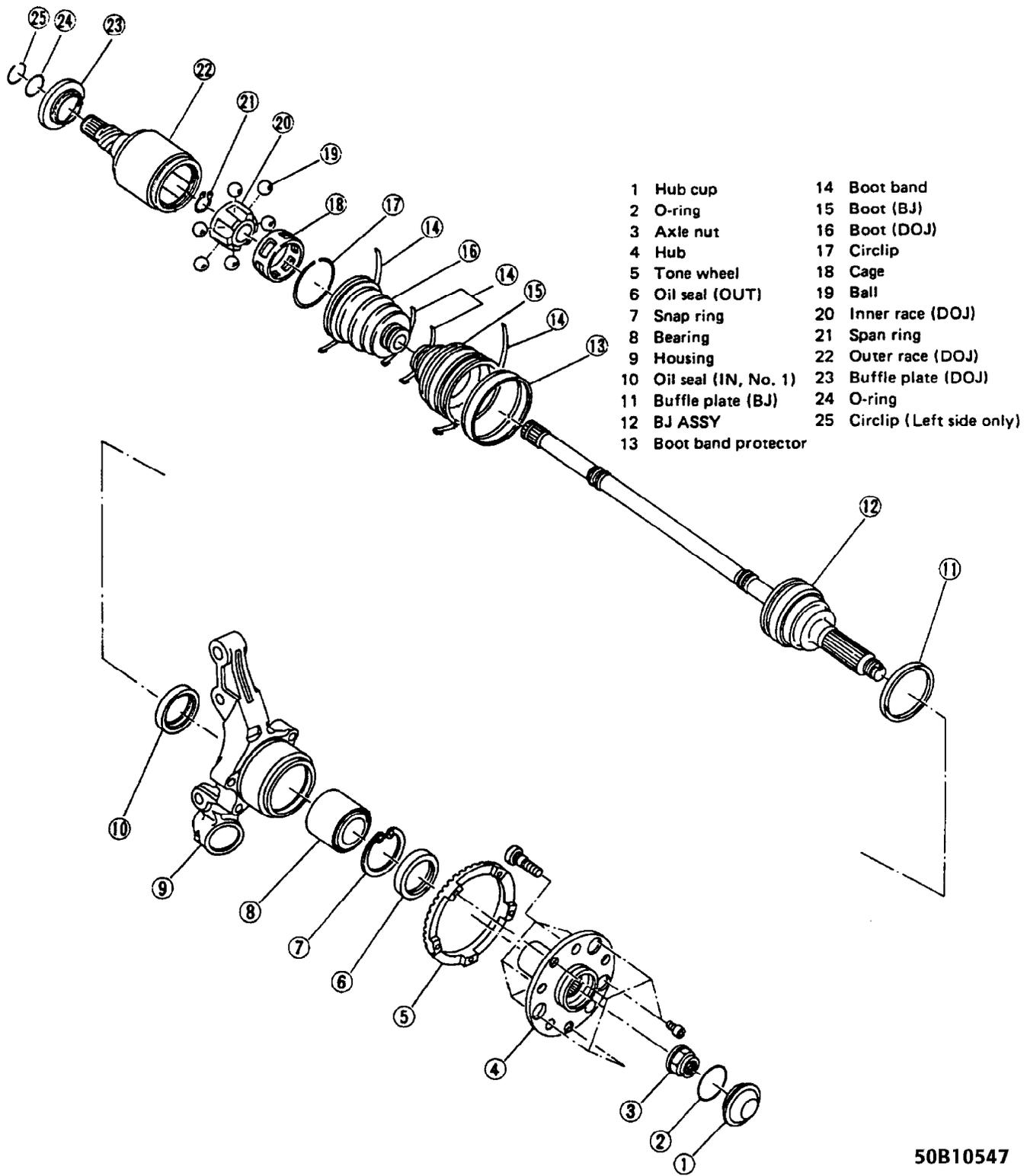
DRIVE AXLE SHAFTS

Removal

1) Set transmission to park. Remove rear hub cap. Apply brakes and loosen axle shaft nut. Raise and support vehicle. Remove wheel. Remove axle shaft nut. Release parking brake.

2) On vehicles with anti-lock brakes (ABS), remove rear speed sensor from backing plate. On all vehicles, remove brake assembly from backing plate and wire aside.

3) Remove nut and bolt attaching lateral link assembly to rear housing. See Fig. 1. Remove nut and bolt attaching trailing link assembly to rear housing. Use a pin punch to drive out spring pin retaining inboard joint to differential. Remove outboard joint from rear housing. Remove axle shaft.



- | | |
|-------------------------|-----------------------------|
| 1 Hub cup | 14 Boot band |
| 2 O-ring | 15 Boot (BJ) |
| 3 Axle nut | 16 Boot (DOJ) |
| 4 Hub | 17 Circlip |
| 5 Tone wheel | 18 Cage |
| 6 Oil seal (OUT) | 19 Ball |
| 7 Snap ring | 20 Inner race (DOJ) |
| 8 Bearing | 21 Span ring |
| 9 Housing | 22 Outer race (DOJ) |
| 10 Oil seal (IN, No. 1) | 23 Baffle plate (DOJ) |
| 11 Baffle plate (BJ) | 24 O-ring |
| 12 BJ ASSY | 25 Circlip (Left side only) |
| 13 Boot band protector | |

Fig. 1: Exploded View of Rear Axle Assembly
 Courtesy of Subaru of America, Inc.

Installation
 Install outboard joint into rear housing. See Fig. 2.

Install, but DO NOT tighten new axle shaft nut. Install inboard joint to differential using NEW retaining spring pin. To complete installation, reverse removal procedure. Tighten all nuts and bolts to specification. See TORQUE SPECIFICATIONS.

REAR HUB ASSEMBLY

CAUTION: On vehicles with anti-lock brakes (ABS), DO NOT damage toothed wheel.

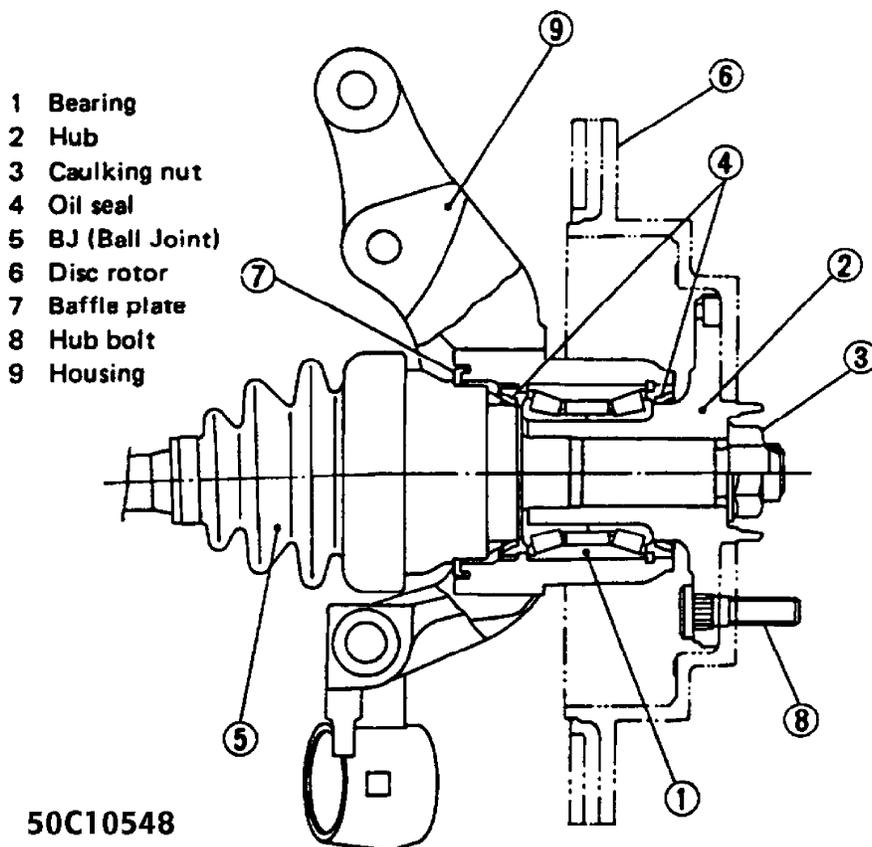
Removal & Disassembly

1) Remove axle shaft. See DRIVE AXLE SHAFTS under REMOVAL & INSTALLATION. Remove nuts and bolts attaching lower strut assembly to rear housing. Remove rear housing.

2) Remove backing plate from rear housing. Press hub from rear housing. Use a screwdriver to remove inner and outer oil seals. Remove snap ring from rear housing. See Fig. 1. Press bearing assembly out of rear housing.

Reassembly & Installation

Clean housing before installing bearing assembly. Lubricate and install new bearing assembly and oil seals. Ensure snap ring fits properly into groove. To complete reassembly, reverse disassembly procedure. Tighten nuts and bolts to specification. See TORQUE SPECIFICATIONS.



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Fig. 2: Exploded View Of Rear Hub Assembly
Courtesy of Subaru of America, Inc.

TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS TABLE

Application	Ft. Lbs. (N.m)
Axle Nut	123-152 (167-206)
Hub-To-Tone Wheel Bolts	7-12 (10-16)
Lateral Link	
Inner Bolt	61-83 (83-113)
Outer Bolt	72-101 (98-137)
Trailing Link Bolt	101-130 (137-177)
Trailing Link Bushing Bolt	80-101 (108-137)
