

## 7. Rear Differential Side Oil Seal

S303137

### A: REPLACEMENT

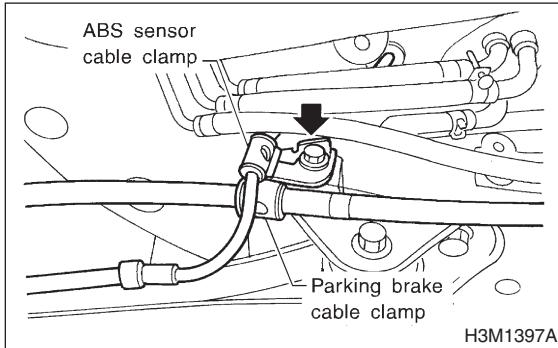
S303137A20

#### 1. T-TYPE

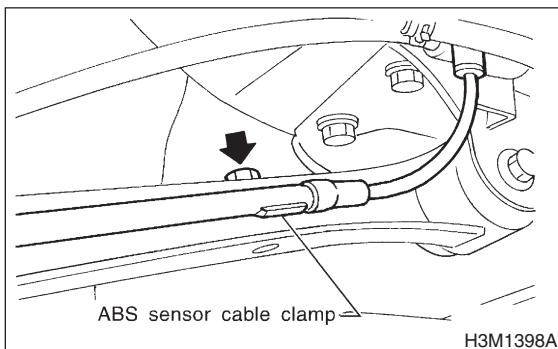
S303137A2001

- 1) Disconnect ground terminal from battery.
- 2) Move selector lever or gear shift lever to "N".
- 3) Release the parking brake.
- 4) Loosen both wheel nuts.
- 5) Jack-up the vehicle and support it with rigid racks.
- 6) Remove wheels.
- 7) Remove rear exhaust pipe <Ref. to EX-10 REMOVAL, Rear Exhaust Pipe.> and muffler. <Ref. to EX-12 REMOVAL, Muffler.>
- 8) Remove the DOJ of rear drive shaft from rear differential.

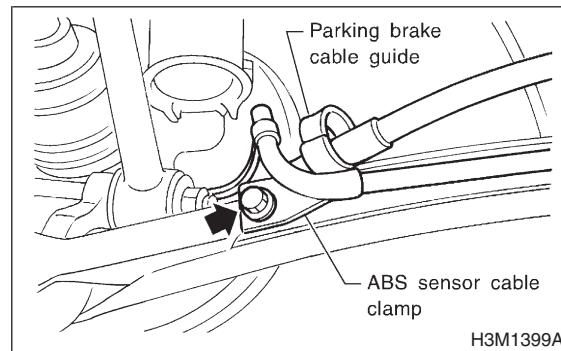
(1) Remove the ABS sensor cable clamp and parking brake cable clamp from bracket.



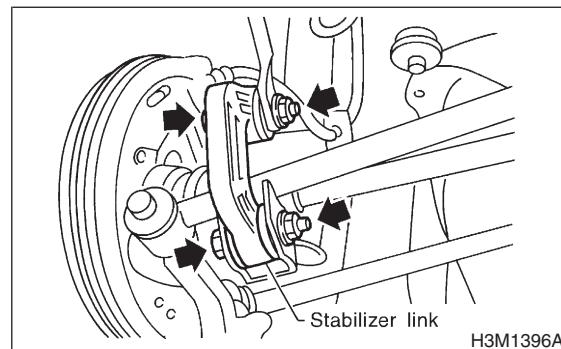
(2) Remove the ABS sensor cable clamp from the trailing link.



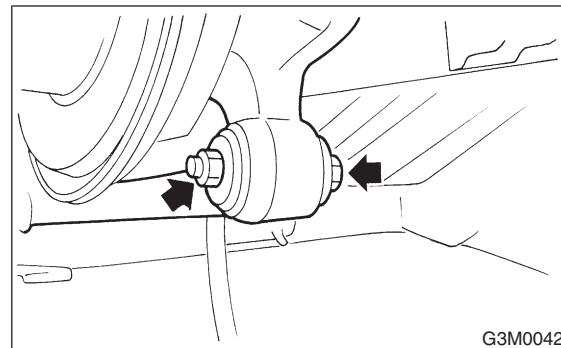
- (3) Remove the ABS sensor cable clamp and parking brake cable guide from the trailing link.



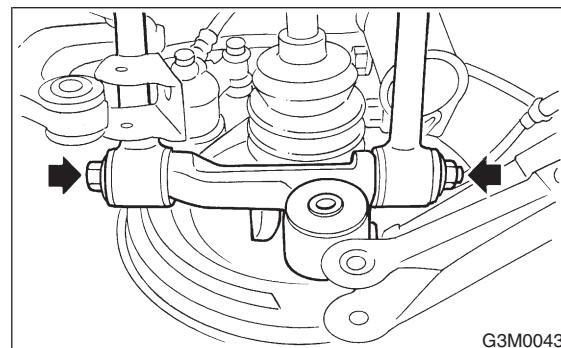
- (4) Remove the rear stabilizer link.



- (5) Remove the bolts which secure the trailing link to the rear housing.



- (6) Remove the bolts which secure the front and rear lateral link to the rear housing.



## REAR DIFFERENTIAL SIDE OIL SEAL

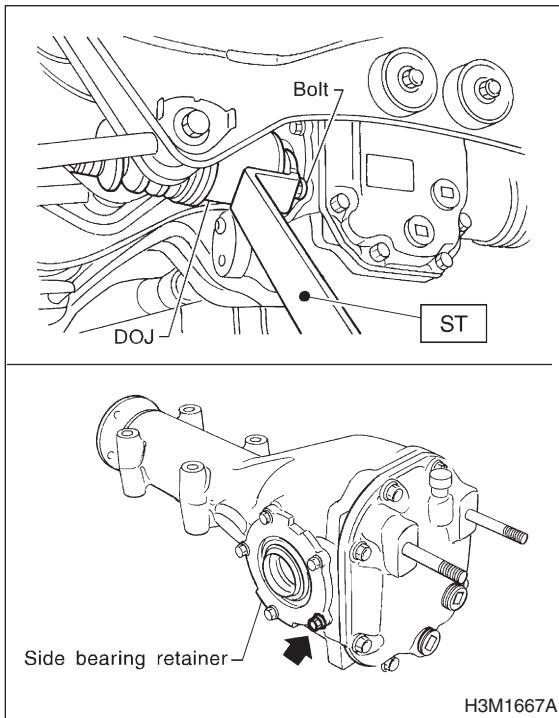
### Differentials

(7) Remove the DOJ from the rear differential by using ST.

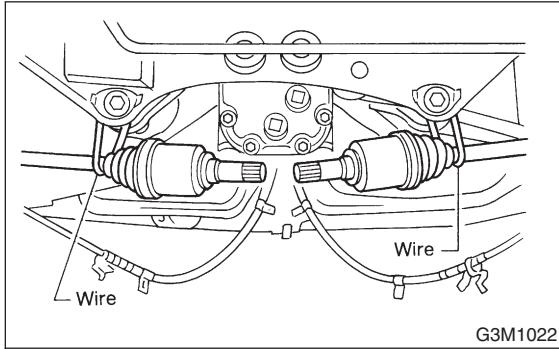
#### CAUTION:

When removing the DOJ from the rear differential, fit ST to the bolt as shown in figure so as not to damage the side bearing retainer.

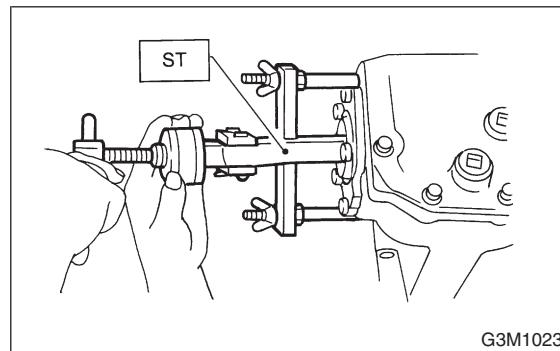
ST 208099PA100 DRIVE SHAFT REMOVER



9) Secure rear drive shaft to rear crossmember using wire.



10) Remove side oil seal with ST.  
ST 398527700 PULLER ASSY

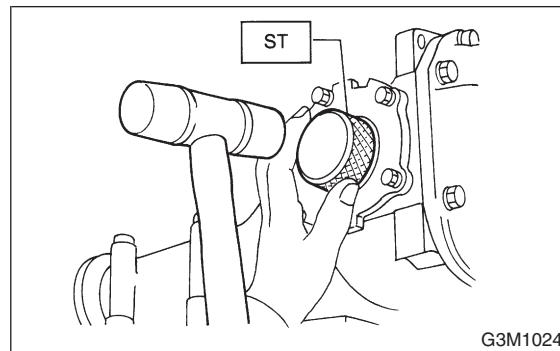


11) Drive in a new side oil seal with ST.

#### CAUTION:

Apply chassis grease between the oil seal lips.

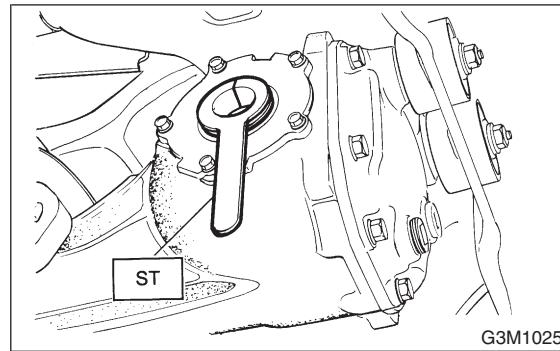
ST 398437700 DRIFT



12) Insert the DOJ into rear differential.

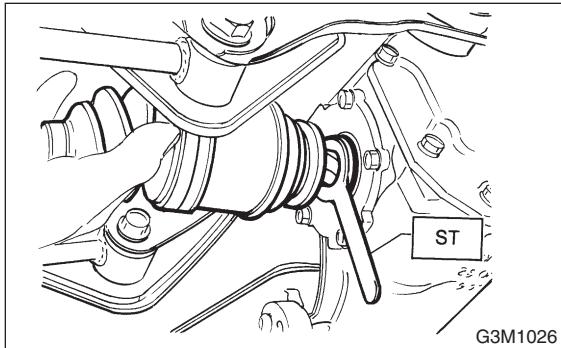
(1) Install ST to rear differential.

ST 28099PA090 SIDE OIL SEAL PROTECTOR



(2) Insert the spline shaft until the spline portion is inside the side oil seal using ST.

ST 28099PA090 SIDE OIL SEAL PROTECTOR



(3) Remove ST.

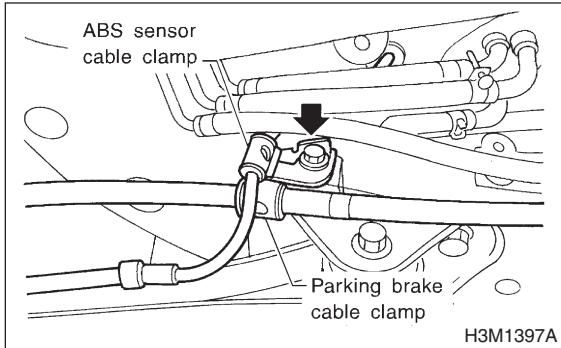
ST 28099PA090 SIDE OIL SEAL PROTECTOR

13) Hereafter, re-assemble in reverse order of disassembly.

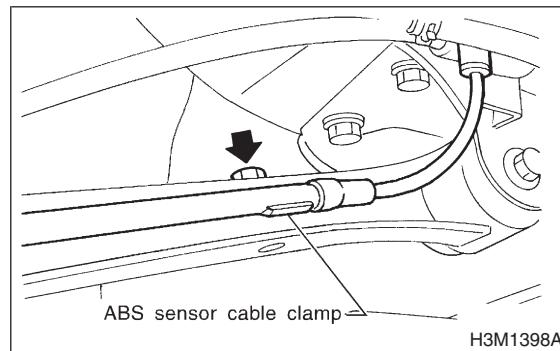
## 2. VA-TYPE S303137A2002

- 1) Disconnect ground terminal from battery.
- 2) Move selector lever or gear shift lever to "N".
- 3) Release the parking brake.
- 4) Loosen both wheel nuts.
- 5) Jack-up the vehicle and support it with rigid racks.
- 6) Remove wheels.
- 7) Remove rear exhaust pipe <Ref. to EX-10 REMOVAL, Rear Exhaust Pipe.> and muffler. <Ref. to EX-12 REMOVAL, Muffler.>
- 8) Remove the DOJ of rear drive shaft from rear differential.

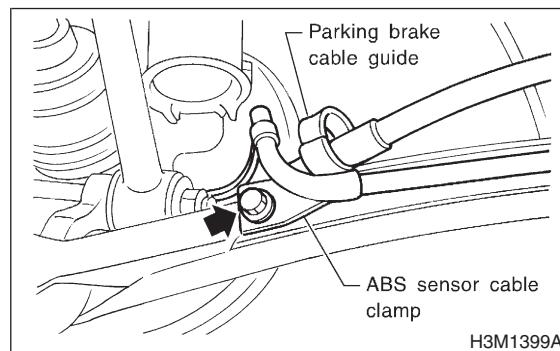
(1) Remove the ABS sensor cable clamp and parking brake cable clamp from bracket.



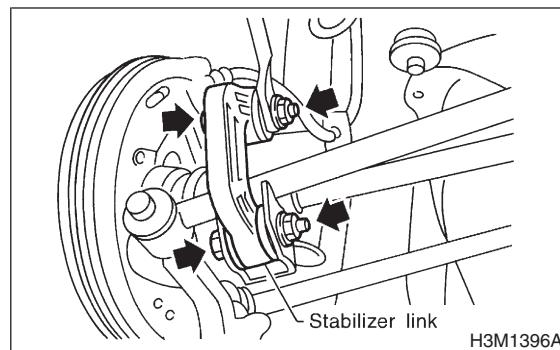
(2) Remove the ABS sensor cable clamp from the trailing link.



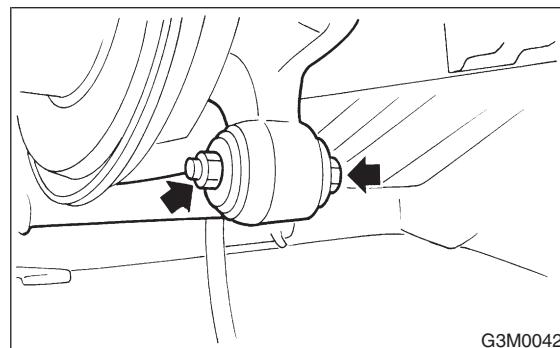
(3) Remove the ABS sensor cable clamp and parking brake cable guide from the trailing link.



(4) Remove the rear stabilizer link.



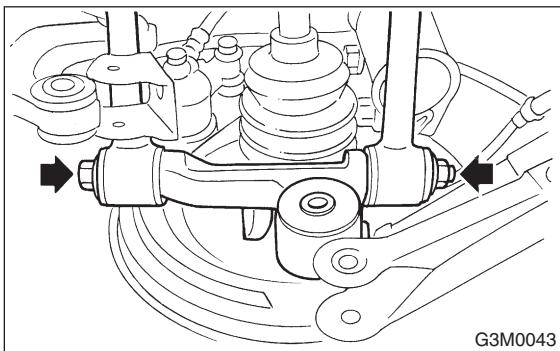
(5) Remove the bolts which secure the trailing link to the rear housing.



## REAR DIFFERENTIAL SIDE OIL SEAL

### Differentials

(6) Remove the bolts which secure the front and rear lateral link to the rear housing.



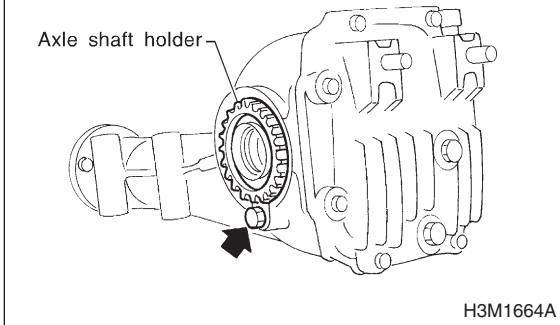
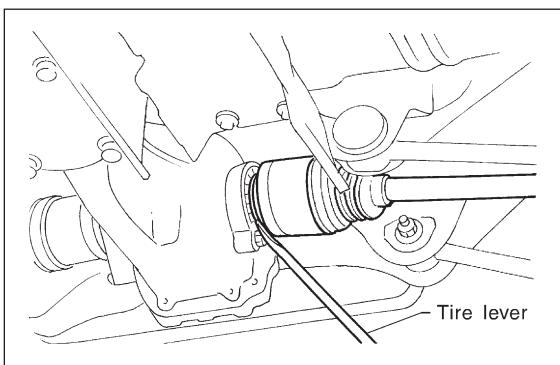
(7) Remove the DOJ from the rear differential with tire lever.

#### CAUTION:

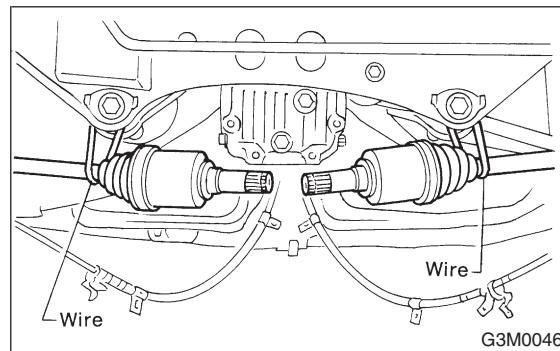
When removing the DOJ from the rear differential, fit tire lever to the bolt as shown in figure so as not to damage the axle shaft holder.

#### NOTE:

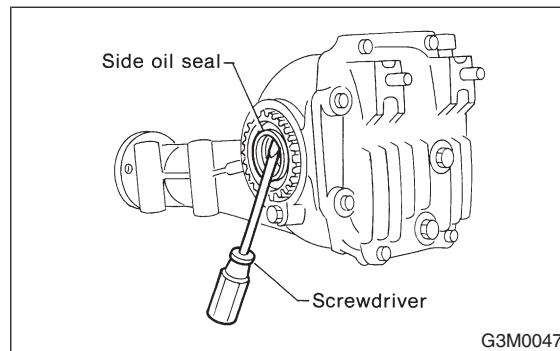
The side spline shaft circlip comes out together with the shaft.



9) Secure rear drive shaft to rear crossmember using wire.



10) Remove oil seal with screwdriver.

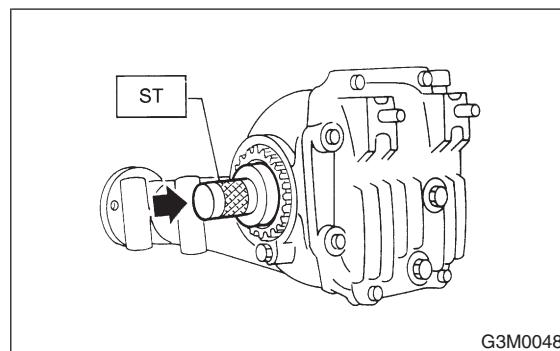


11) Drive in a new side oil seal with ST.

#### CAUTION:

Apply chassis grease between the oil seal lips.

ST 498447100 OIL SEAL INSTALLER



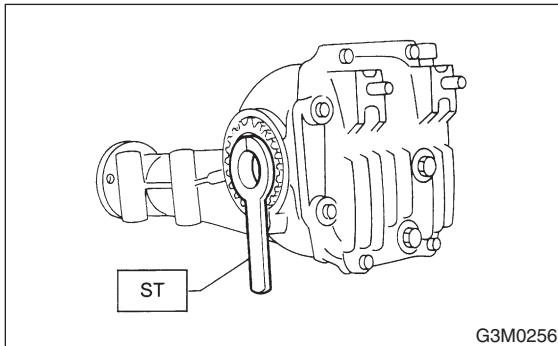
12) Insert the DOJ into rear differential.

**CAUTION:**

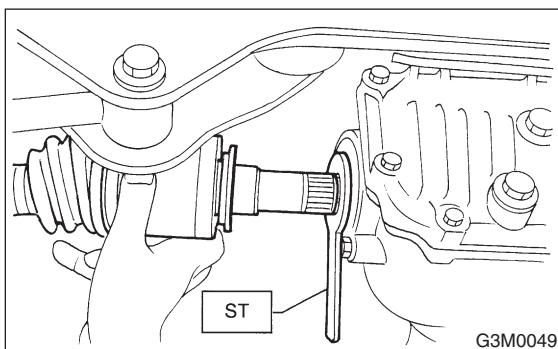
**Before inserting, replace the circlip at the end of the spline shaft with a new one.**

(1) Install ST to rear differential.

ST 28099PA090 SIDE OIL SEAL PROTECTOR



(2) Insert the spline shaft until the spline portion is inside the side oil seal.



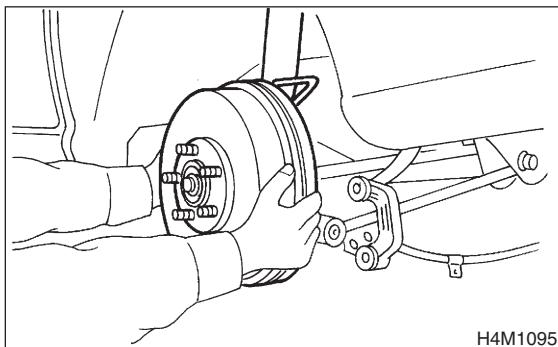
(3) Remove ST.

ST 28099PA090 SIDE OIL SEAL PROTECTOR

(4) Completely insert DOJ into rear differential by pressing rear housing.

**NOTE:**

Make sure that oil seal lip is not folded over inward.



13) Hereafter, re-assemble in reverse order of disassembly.