

GENERAL

OUTLINE OF CHANGE

- The specifications of the drive shaft have been changed as follows. <VR-X>
- The following service procedures have been changed to correspond to the adoption of the 5-bolt wheel hub. Service procedures other than the following are the same as before. <VR-X>

SPECIFICATIONS

Item			New	Old
Wheel bearing	Bearing (outside diameter × inside diameter) mm		80 × 40	74 × 40
Drive shaft	Shaft length*1 × Shaft diameter mm	Right	699 × 26	700.6 × 26

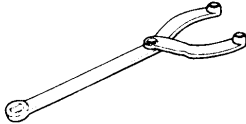
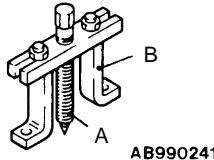
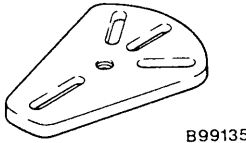
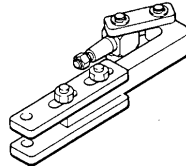
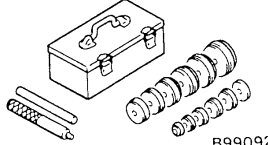
NOTE

*1: The shaft length indicates the length between the center points of each joint.

LUBRICANTS

Item	Specified lubricant	Quantity g
TJ boot grease	Repair kit grease	120 ± 10


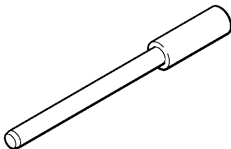
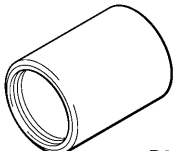
SPECIAL TOOLS

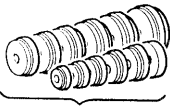

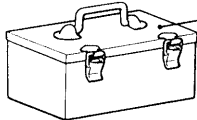
Tool	Number	Name	Use
	MB990767	End yoke holder	<ul style="list-style-type: none"> • Removal of the hub • Removal of the drive shaft
	MB990241 A: MB990242 B: MB990244	Axle shaft puller A: Puller shaft B: Puller bar	
	MB991354	Puller body	
	MB991056 or MB991355	Knuckle arm bridge	Removal of wheel bearing
	MB990925	Bearing and oil seal installer set	Removal of wheel bearing

26 FRONT AXLE – Special Tools

**Main
Index**

**Group
26**

Tool	Number	Name	Use
 B990810	MB990810	Side bearing puller	Removal of the wheel bearing inner race (outside)
 B990883	MB990883	Rear suspension bush arbor	Wheel bearing installation
 B990890	MB990890	Rear suspension bush bases	

<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  A Installer adapter </div> <div style="text-align: center;">  C Brass bar B Bar (snap-in type) </div> <div style="text-align: center;">  Tool box A11W0113 </div> </div>					
Type	Tool number	O.D. mm	Type	Tool number	O.D. mm
A	MB990926	39	A	MB990933	63.5
	MB990927	45		MB990934	67.5
	MB990928	49.5		MB990935	71.5
	MB990929	51		MB990936	75.5
	MB990930	54		MB990937	79
	MB990931	57	B	MB990938	—
	MB990932	61	C	MB990939	—

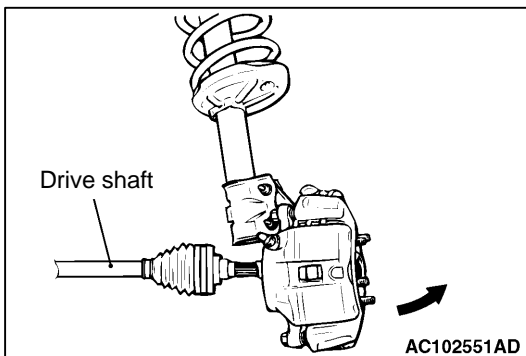
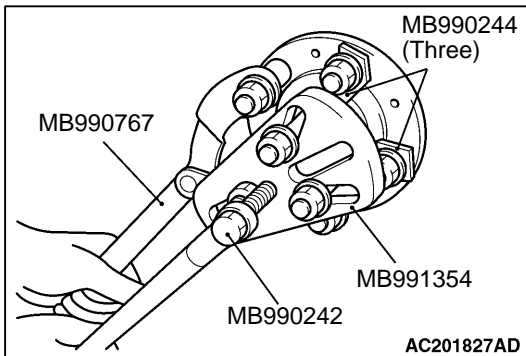
FRONT HUB ASSEMBLY

Service procedures other than the following are the same as before.

REMOVAL SERVICE POINTS

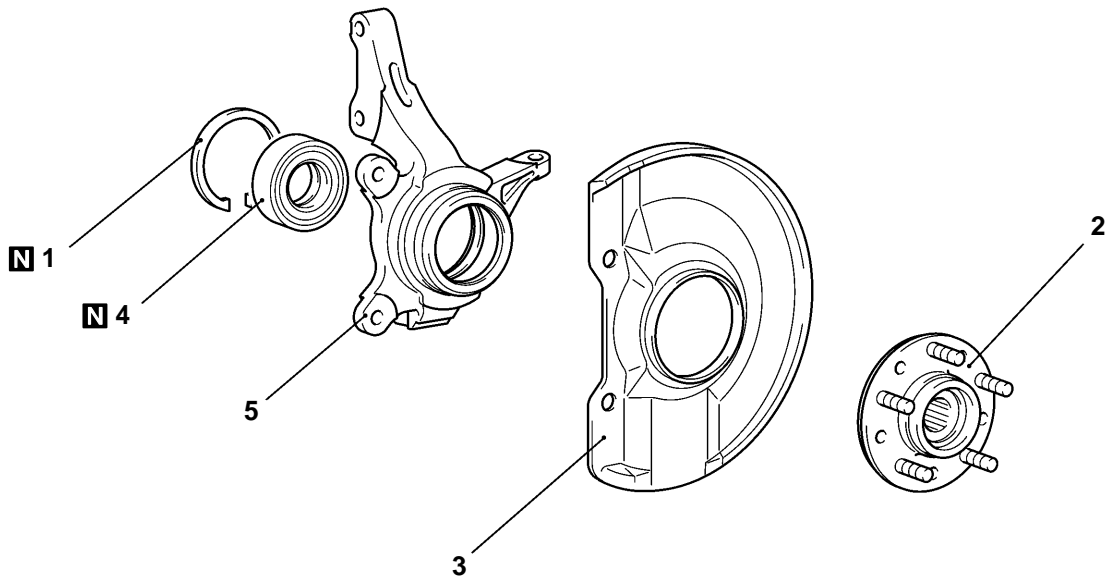
◀D▶ FRONT HUB REMOVAL

1. Use the following special tools to push out the drive shaft from the hub and knuckle.
 - End yoke holder (MB990767)
 - Puller shaft (MB990242)
 - Puller bar (MB990244)
 - Puller body (MB991354)



2. Withdraw the drive shaft from the hub by pulling the bottom of the hub and knuckle towards you.
3. Hang the drive shaft on the vehicle body with a rope.

DISASSEMBLY AND REASSEMBLY



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Disassembly steps

◀A▶

1. Snap ring
2. Hub
3. Dust cover
4. Wheel bearing
5. Knuckle

◀B▶

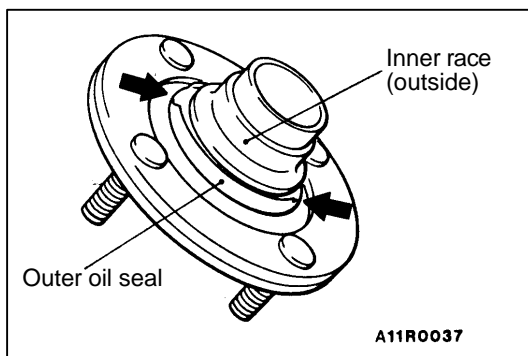
Reassembly steps

▶A▶

5. Knuckle
4. Wheel bearing
1. Snap ring
3. Dust cover
2. Hub

▶B▶
▶C▶

- Hub starting torque check
- Hub axial play check



DISASSEMBLY SERVICE POINTS

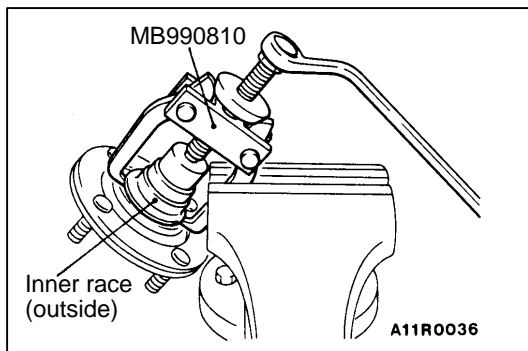
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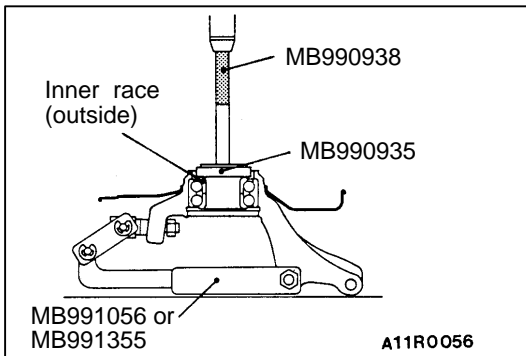
◀B▶ WHEEL BEARING REMOVAL

1. Crush the oil seal in two places so that the tabs of the special tool will be caught on the wheel bearing inner race (outside).
2. Remove the wheel bearing inner race (outside) from the front hub by using special tool side bearing puller (MB990810).

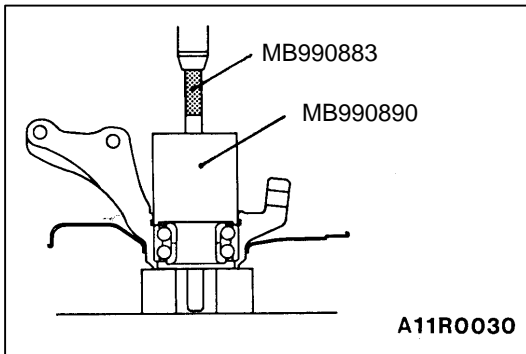
Caution

When removing the inner race (outside) from the hub, be careful not to let the hub drop.





3. Install the inner race (outside) that was removed from the hub to the wheel bearing, and then use the following special tools to remove the wheel bearing.
 - Bar (MB990938)
 - Installer adapter (MB990935)
 - Knuckle arm bridge (MB991056 or MB991355)



REASSEMBLY SERVICE POINTS

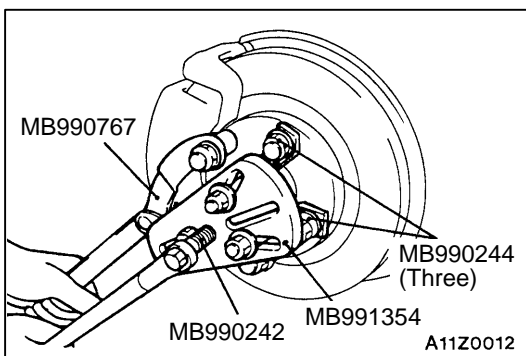
Service procedures other than the following are the same as before.

►A◄ WHEEL BEARING INSTALLATION

1. Fill the wheel bearing with multipurpose grease.
2. Apply a thin coating of multipurpose grease to the knuckle and bearing contact surfaces.
3. Press-in the bearing by using the following special tools.
 - Rear suspension bush arbor (MB990883)
 - Rear suspension bush base (MB990890)

Caution

Press the outer race when pressing-in the wheel bearing. Otherwise wheel bearing will be damaged.



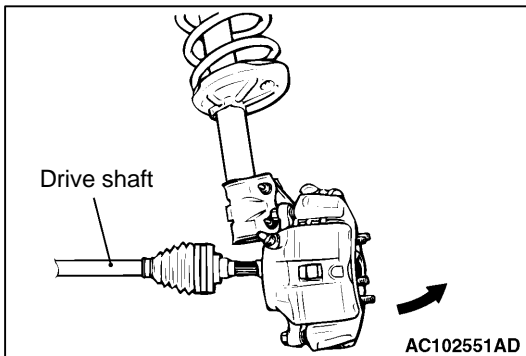
DRIVE SHAFT

REMOVAL SERVICE POINTS

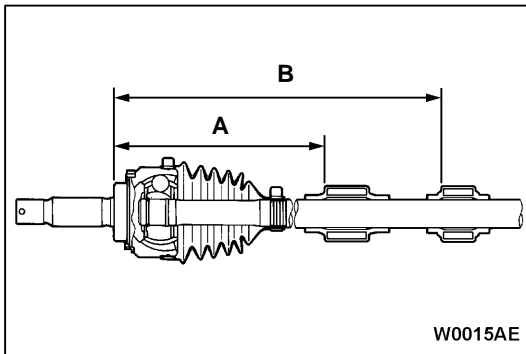
Service procedures other than the following are the same as before.

◄D► DRIVE SHAFT REMOVAL

1. Use the following special tools to push out the drive shaft from the hub.
 - End yoke holder (MB990767)
 - Puller shaft (MB990242)
 - Puller bar (MB990244)
 - Puller body (MB991354)



2. Remove the driveshaft from the hub by pulling the bottom of the brake disc towards you, and then remove the hub retaining bolts.



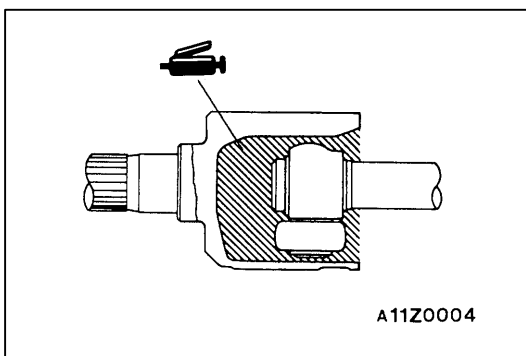
DISASSEMBLY AND REASSEMBLY REASSEMBLY SERVICE POINTS

Service procedures other than the following are the same as before.

►A◄ DYNAMIC DAMPER INSTALLATION

Install the dynamic damper in the position shown in the illustration.

Item	Specification
A (L.H.side) mm	230 ± 3
B (R.H.side) mm	415 ± 3



►B◄ TJ CASE INSTALLATION

After applying the specified grease to the T.J. case, insert the drive shaft and apply grease one more time.

Specified grease: Repair kit grease

Amount to use: 120 ± 10 g

NOTE

The grease in the repair kit should be divided in half for use, respectively, at the joint and inside the boot.

Caution

The drive shaft joint uses special grease. Do not mix old and new or different types of grease.