
FRONT AXLE

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E26AA--

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SPECIFICATIONS

E26CA--

GENERAL SPECIFICATIONS

Items	2WD			4WD	
	1300	1600, 2000D	1800	Except Lancer wagon	Lancer wagon
Wheel bearing Type	Double-row angular contact ball bearing				
O.D. × I.D. mm (in.)	74 × 40 (2.76 × 1.57)	80 × 40 (3.15 × 1.57)			
Drive shaft Joint type					
Outer	RJ or BJ	RJ	BJ	BJ	BJ
Inner	TJ	TJ	TJ	TJ	TJ
Length					
L.H. shaft mm (in.)	698 (27.48)	699 (27.52)	696 (27.40)	353 (13.90)	365 (14.37)
R.H. shaft mm (in.)	379 (14.92)	366 (14.41)	364 (14.33)	364 (14.33)	374 (14.72)

SERVICE SPECIFICATIONS

E26CB--

Items	Specifications
Standard value	
Setting of boot length mm (in.)	
2WD	
<1300, 1600, 2000D>	85 ± 3 (3.35 ± 0.12)
<1800>	90 ± 3 (3.54 ± 0.12)
4WD	85 ± 3 (3.35 ± 0.12)
Limit	
Hub axial play mm (in.)	0.05 (0.0020)
Wheel bearing starting torque Nm (kgcm, in.lbs.)	1.8 (18, 16) or less

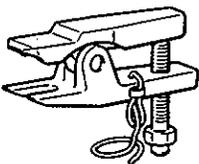
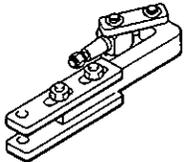
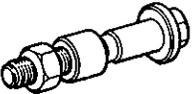
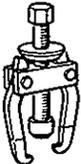
LUBRICANTS

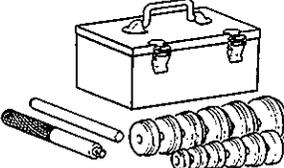
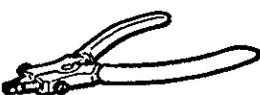
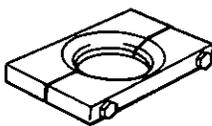
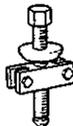
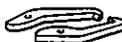
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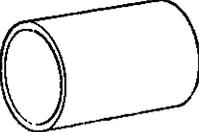
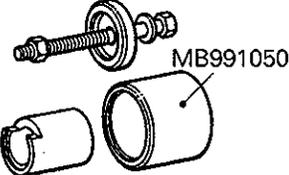
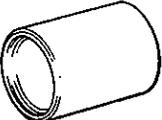
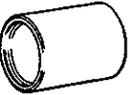
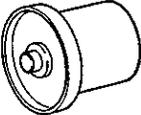
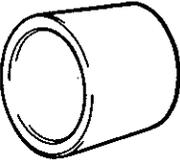
Items	Quantity g (oz)	Specified lubricant
T.J. boot grease	125 (4.41) <1300 (Vehicles with MMC-made drive shafts), 1600 – 2WD, 2000D> 95 (3.35) <1300 (Vehicles with NTN-made drive shafts)> 120 (4.23) <1800> 105 (3.70) <1600 – 4WD>	Repair kit grease
Dust seal inner	7–10 (0.25–0.35)	Multi purpose grease
Dust seal outer	4–6 (0.14–0.21)	Multi purpose grease

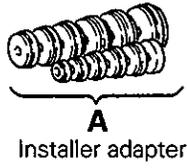
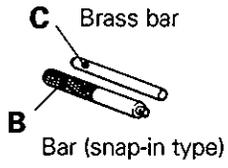
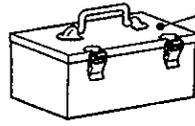
SPECIAL TOOLS

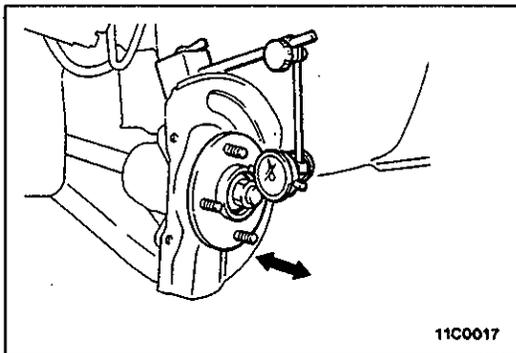
E26DA--

Tool	Number	Name	Use
	MB990767	End yoke holder	Fixing of the hub
	MB991113 or MB990635	Steering linkage puller	<ul style="list-style-type: none"> • Removal of the lower arm ball joint and knuckle • Removal of the knuckle and tie rod end ball joint
	MB990241	Axle shaft puller	Removal of the drive shaft
	MB991056 or MB991355	Knuckle arm bridge	Removal of the hub
	MB990998	Front hub remover and installer	<ul style="list-style-type: none"> • Removal or press-in the hub • Provisional holding of the wheel bearing
	MB990810	Side bearing puller	Removal of the wheel bearing inner race (outside)

Tool	Number	Name	Use
	MB990925	Bearing and oil seal installer set	<ul style="list-style-type: none"> • Removal of wheel bearing MB990932 MB990938 • Press-out of center bearing <4WD> MB990932 MB990938 • Press-fitting of center bearing <4WD> MB990932 MB990938 • Press-fitting of dust seal outer <4WD> MB990931 MB990938 • Press-fitting of the dust seal inner <4WD> MB990933 MB990938
	MB990685	Torque wrench	Measurement of the wheel bearing starting torque
	MB990326	Preload socket	
	MB990628	Snap ring pliers	To remove and install the snap ring of the drive shaft
	MB991248	Inner shaft remover	Press-out of the inner shaft and press-fitting seal plate. <4WD>
	MB990197	Puller body	Press-out of the inner shaft <4WD>
	MB990302	Hook	

Tool	Number	Name	Use
	MB991172	Adapter	Press-fitting of the inner shaft <4WD>
	MB990883	Rear suspension arbor	Press-fitting of wheel bearing
	MB991045	Bushings remover and installer	Press-fitting of wheel bearing Use together with MB990883 <Except Lancer wagon 4WD>
	MB990890	Rear suspension bushing base	Press-fitting of wheel bearing Use together with MB990883
	MB990847	Rear suspension bushing remover and installer base	Press-fitting of the outer oil seal <Lancer wagon 4WD>
	MB990947	Lower arm bushing arbor	
	MB991387	Bushings remover and installer	Press-fitting of the outer oil seal <Except Lancer wagon 4WD>
	MB991389	Bushings remover base	Press-fitting of the inner oil seal <Except Lancer wagon 4WD>
	MB991460	Plug	Preventing of entry of foreign objects into the transmission case

 <p>MB990925 A Installer adapter</p>		 <p>C Brass bar B Bar (snap-in type)</p>		 <p>Tool box</p>	
Type	Tool number	O.D. mm (in.)	Type	Tool number	O.D. mm (in.)
A	MB990926	39 (1.54)	A	MB990933	63.5 (2.50)
	MB990927	45 (1.77)		MB990934	67.5 (2.66)
	MB990928	49.5 (1.95)		MB990935	71.5 (2.81)
	MB990929	51 (2.01)		MB990936	75.5 (2.97)
	MB990930	54 (2.13)		MB990937	79 (3.11)
	MB990931	57 (2.24)	B	MB990938	–
	MB990932	61 (2.40)	C	MB990939	–



SERVICE ADJUSTMENT PROCEDURES

E26FEAG

HUB AXIAL PLAY CHECK

1. Remove the disc brake caliper and suspend it with a wire.
2. Remove the brake disc from the front hub.
3. Attach a dial gauge as shown in the illustration, and then measure the axial play while moving the hub in the axial direction.

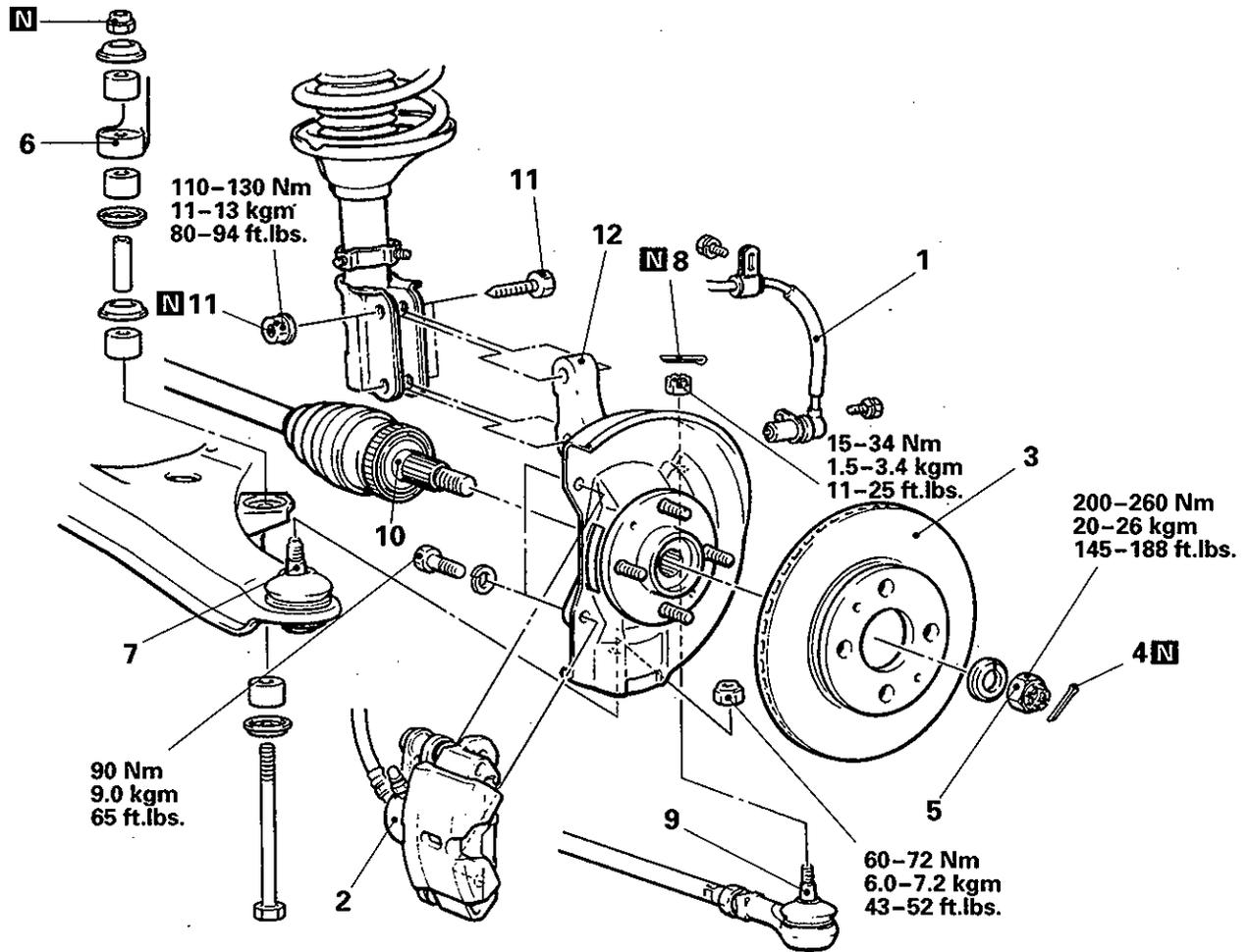
Limit: 0.05 mm (0.0020 in.)

4. If axial play exceeds the limit, disassemble and check parts.

AXLE HUB

E26HA--

REMOVAL AND INSTALLATION



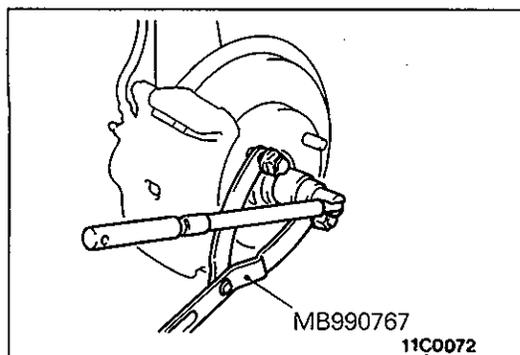
11S0016

Removal steps

- 1. Front speed sensor <Vehicle with ABS>
- ↔ 2. Caliper assembly
- ↔ 3. Brake disc
- ↔ 4. Split pin
- ↔ ↔ 5. Drive shaft nut
- ↔ ↔ 6. Connection for stabilizer bar
- ↔ 7. Connection for lower arm ball joint
- ↔ 8. Split pin
- ↔ 9. Connection for tie rod end
- ↔ 10. Drive shaft
- ↔ 11. Front strut mounting bolt and nut
- ↔ 12. Hub and knuckle

Caution

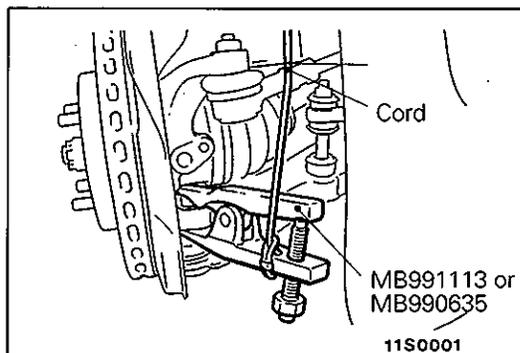
1. Be careful when handling the pole piece at the tip of the speed sensor and the toothed edge of the rotor so as not to damage them by striking against other parts.
2. For vehicles with ABS, be careful not to damage the rotors installed to the R.J. (or B.J.) outer race during removal and installation of the drive shaft.

**SERVICE POINTS OF REMOVAL**

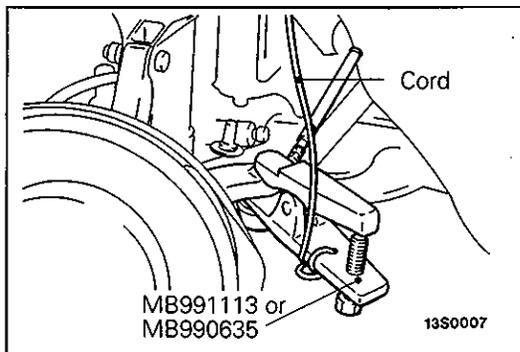
E26HBAJ

2. REMOVAL OF CALIPER ASSEMBLY

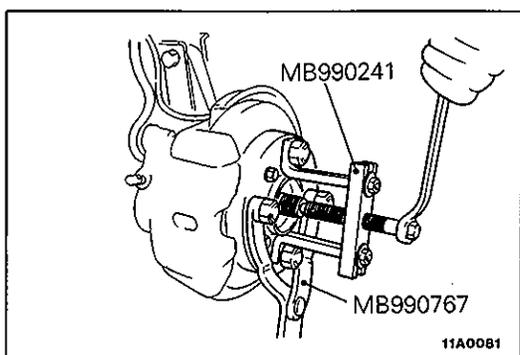
Secure the removed caliper assembly with wire, etc.

5. REMOVAL OF DRIVE SHAFT NUT**7. DISCONNECTION OF LOWER ARM BALL JOINT****Caution**

1. Be sure to tie the cord of the special tool to the nearby part.
2. Loosen the nut but do not remove it.

**9. DISCONNECTION OF TIE ROD END****Caution**

1. Be sure to tie the cord of the special tool to the nearby part.
2. Loosen the nut but do not remove it.

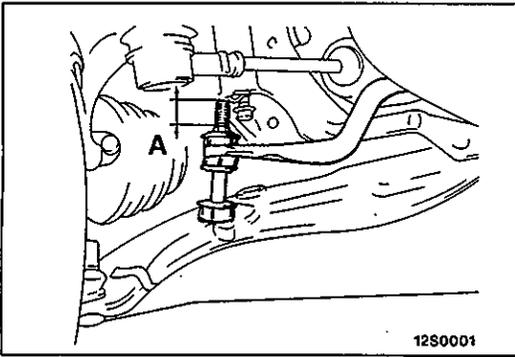
**10. REMOVAL OF DRIVE SHAFT****INSPECTION**

E26HCAD

- Check the hub for cracks and spline for wear.
- Check the oil seal for damage.
- Check the knuckle for cracks.
- Check for defective bearing.

NOTE

If the meshing of the wheel bearing outer race and the knuckle, or of the wheel bearing inner race and the hub, is loose, replace the bearing or damaged parts.



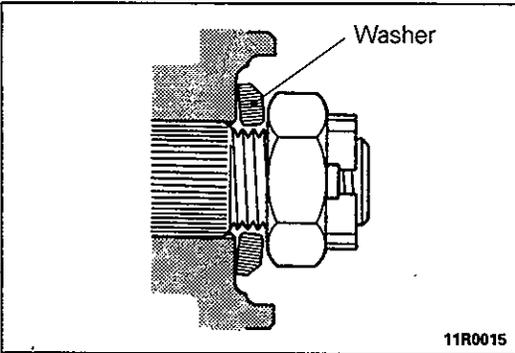
SERVICE POINTS OF INSTALLATION

E26HDAI

6. INSTALLATION OF STABILIZER BAR MOUNTING NUT

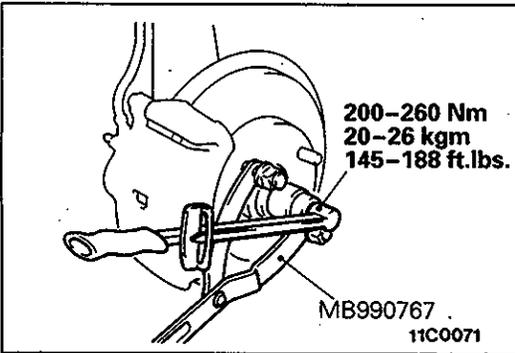
Tighten the nut on the stabilizer bar bolt so that the threaded portion meets the standard value (A).

Standard value (A) : 22 mm (0.87 in.)



5. INSTALLATION OF DRIVE SHAFT NUT

(1) Be sure to install the drive shaft washer in the specified direction.



(2) Using the special tool, tighten the drive shaft nut.

Caution

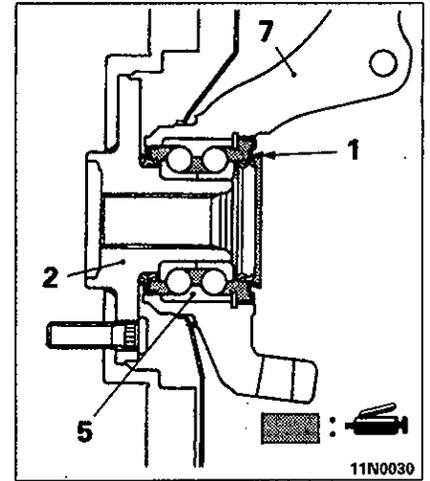
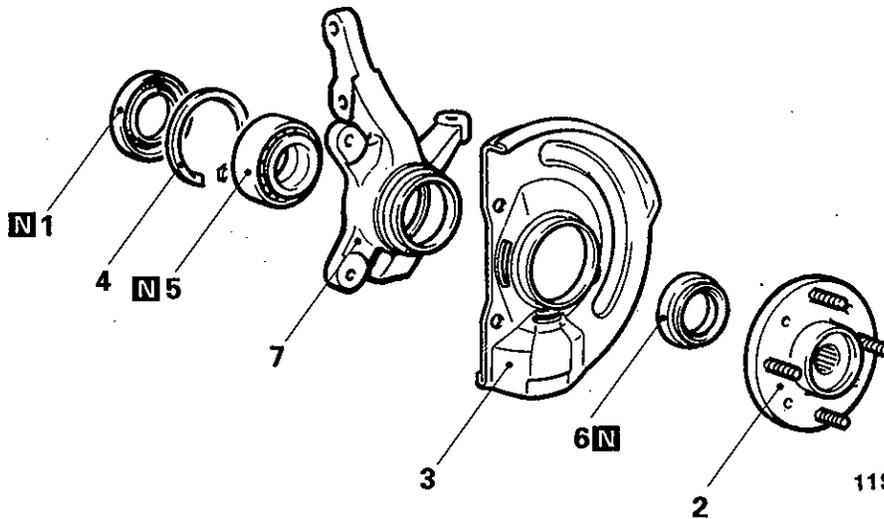
Before securely tightening the drive shaft nuts, make sure there is no load on the wheel bearings.

(3) If the position of the split pin holes does not match, tighten the nut up to 260 Nm (26 kgm, 188 ft.lbs.) in maximum.

(4) Install the split pin in the first matching holes and bend it securely.

DISASSEMBLY AND REASSEMBLY

E26HI-



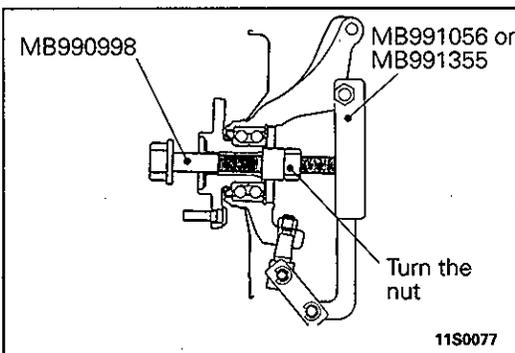
11S0002

Disassembly steps

- ◆◆ 1. Inner oil seal
- ◆◆ 2. Hub
- ◆◆ 3. Dust cover
- ◆◆ 4. Snap ring
- ◆◆ 5. Wheel bearing
- ◆◆ 6. Outer oil seal
- ◆◆ 7. Knuckle

Reassembly steps

- ◆◆ 7. Knuckle
- ◆◆ 5. Wheel bearing
- ◆◆ 4. Snap ring
- ◆◆ 6. Outer oil seal
- ◆◆ 3. Dust cover
- ◆◆ 2. Hub
- ◆◆ • Wheel bearing: starting torque check
- ◆◆ • Hub axial play check
- ◆◆ 1. Inner oil seal



SERVICE POINTS OF DISASSEMBLY

E26HJA1

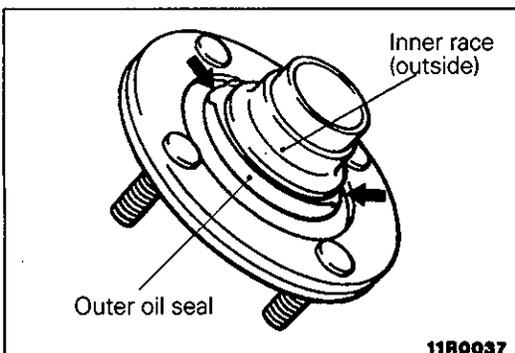
2. REMOVAL OF HUB

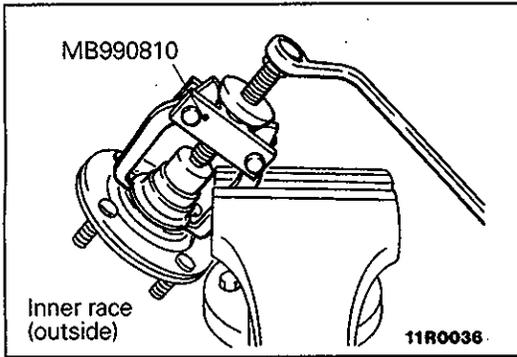
Caution

When removing the hub, always replace the wheel bearing with a new part.

5. REMOVAL OF WHEEL BEARING

- (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).

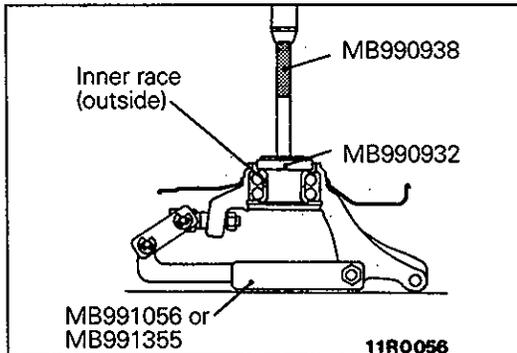




- (2) Remove the wheel bearing inner race (outside) from the front hub by using the special tool.

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 special tool to remove the wheel bearing.

INSPECTION

E26HKAAb

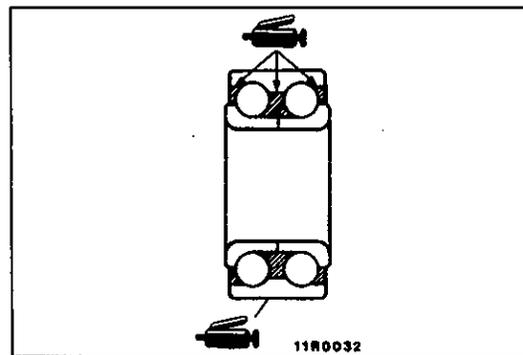
- Check the front hub and brake disc mounting surfaces for galling and contamination.
- Check the knuckle inner surface for galling and cracks.
- Check for defective bearing.

SERVICE POINTS OF REASSEMBLY

E26HOAI

5. INSTALLATION OF WHEEL BEARING

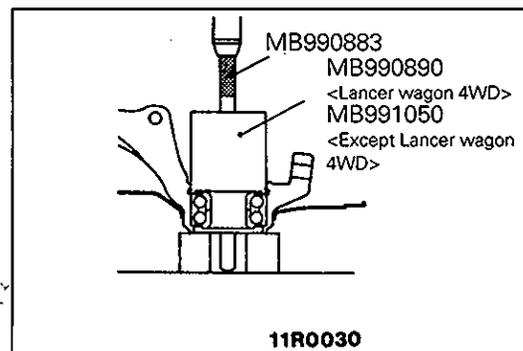
- (1) Fill the wheel bearing with multipurpose grease.
- (2) Apply a thin coating of multipurpose grease to the knuckle and bearing contact surfaces.

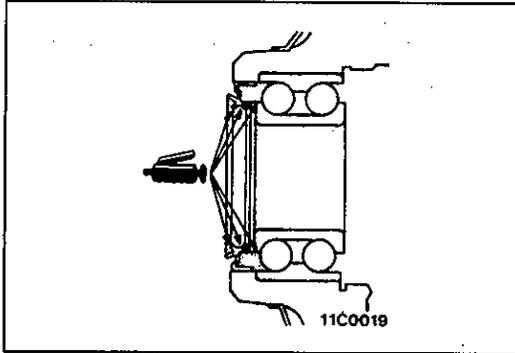
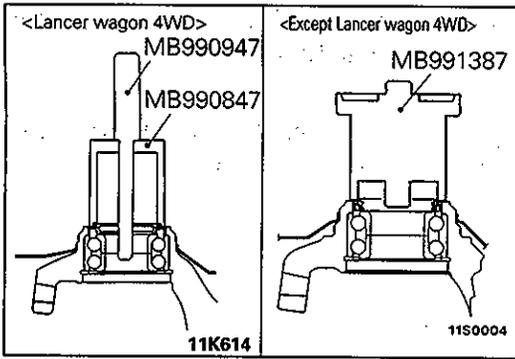


- (3) Press-in the bearing by using the special tools.

Caution

Press the outer race when pressing-in the wheel bearing.



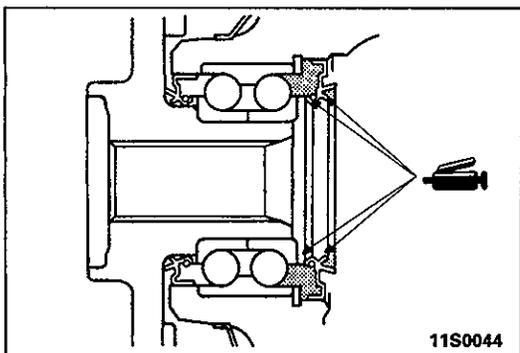
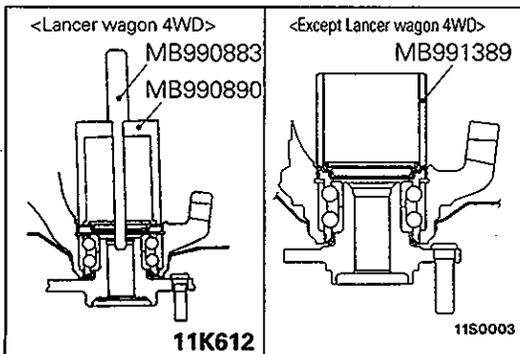
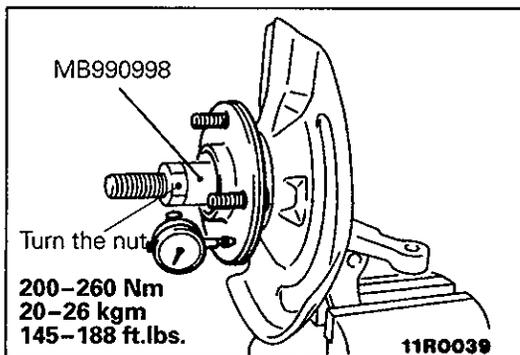
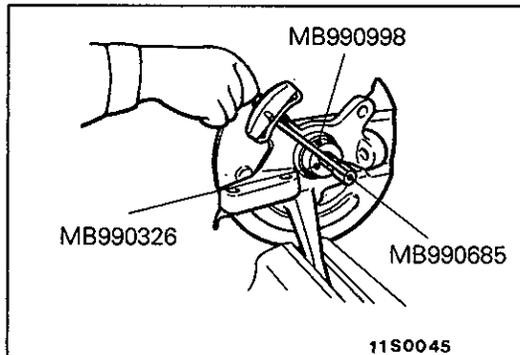
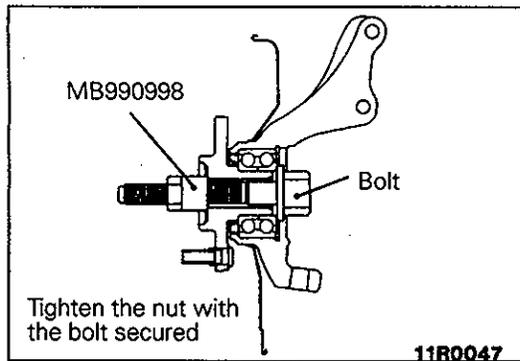


6. INSTALLATION OF OUTER OIL SEAL

(1) Drive the oil seal (hub side) into the knuckle by using the special tools until it is flush with the knuckle end surface.

(2) Apply multipurpose grease to the lip of the oil seal and to the surfaces of the oil seal which contact the front hub.

NOTE



● WHEEL BEARING STARTING TORQUE CHECK

- (1) Use the special tool to mount the hub onto the knuckle.
- (2) Tighten the nut of the special tool to 200–260 Nm (20–26 kgm, 145–188 ft.lbs.).
- (3) Rotate the hub in order to seat the bearing.

- (4) Measure the wheel bearing starting torque (hub starting torque) by using the special tools.

Limit: 1.8 Nm (18 kgcm, 16 in.lbs.) or less

- (5) The starting torque must be within the limit and, in addition, the bearing must not feel rough when rotated.

● HUB AXIAL PLAY CHECK

- (1) Measure to determine whether the axial play of the hub is within the specified limit or not.

Limit: 0.05 mm (0.0020 in.)

- (2) If the starting torque and hub axial play are not within the limit range while the nut is tightened to 200–260 Nm (20–26 kgm, 144–188 ft.lbs.), the bearing, hub and/or knuckle have probably not been installed correctly. Replace the bearing and re-install.

1. INSTALLATION OF INNER OIL SEAL

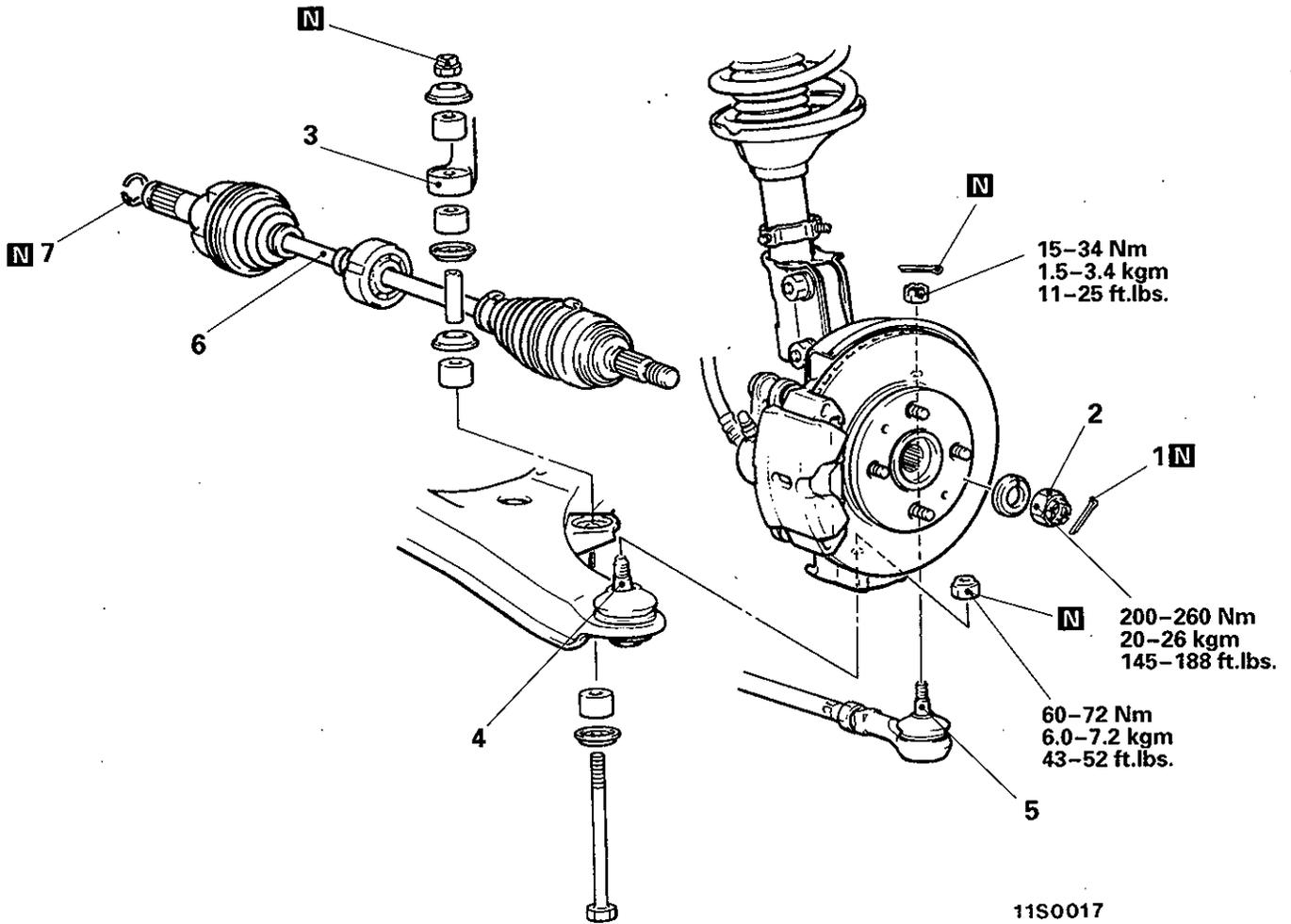
- (1) Apply multipurpose grease to the reverse side of the inner oil seal.
- (2) Drive the inner oil seal into the knuckle until it contacts the snap ring.

- (3) Apply multipurpose grease to the lip of the inner oil seal.

DRIVE SHAFT <2WD>

REMOVAL AND INSTALLATION

E26QA-1



Removal steps

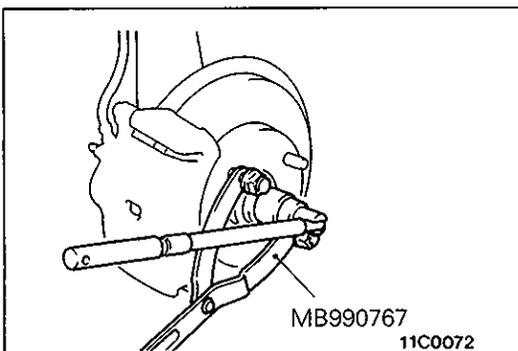
- 1. Split pin
- ⇄ ⇄ 2. Drive shaft nut
- ⇄ ⇄ 3. Connection for stabilizer bar
- ⇄ ⇄ 4. Connection for lower arm ball joint
- ⇄ ⇄ 5. Connection for tie rod end
- ⇄ 6. Drive shaft
- 7. Circlip

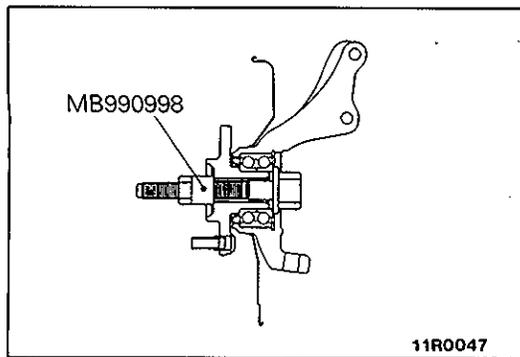
Caution
For vehicles with ABS, be careful not to damage the rotors installed to the R.J. (or B.J.) outer race during removal and installation of the drive shaft.

SERVICE POINTS OF REMOVAL

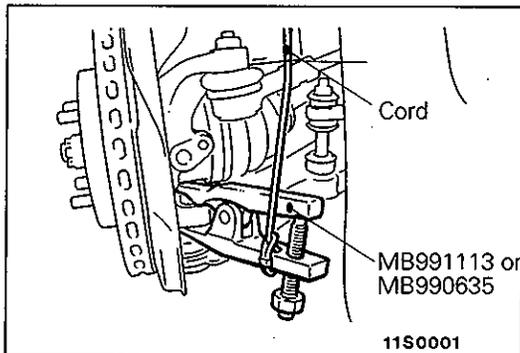
E26OB81

2. REMOVAL OF DRIVE SHAFT NUT

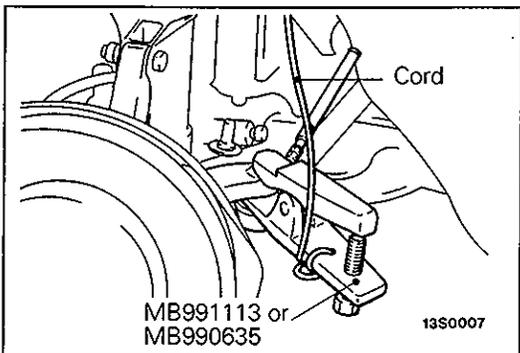


**Caution**

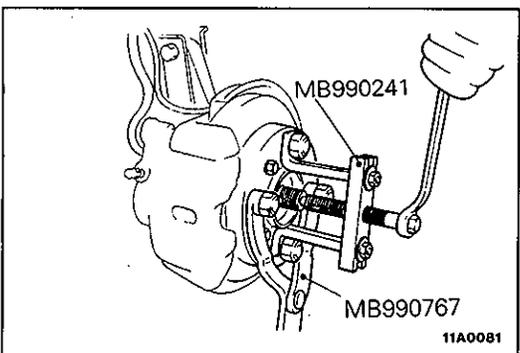
Do not apply the vehicle weight to the wheel bearing while loosening the drive shaft nut. If, however, the vehicle weight must be applied to the bearing (because of moving the vehicle), temporarily secure the wheel bearing by using the special tool, MB990998, etc.

**4. DISCONNECTION OF LOWER ARM BALL JOINT****Caution**

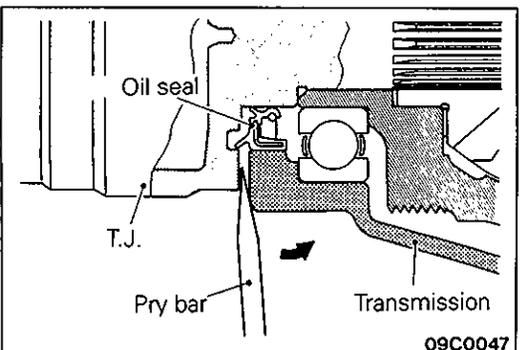
1. Be sure to tie the cord of the special tool to the nearby part.
2. Loosen the nut but do not remove it.

**5. DISCONNECTION OF TIE ROD END****Caution**

1. Be sure to tie the cord of the special tool to the nearby part.
2. Loosen the nut but do not remove it.

**6. REMOVAL OF DRIVE SHAFT**

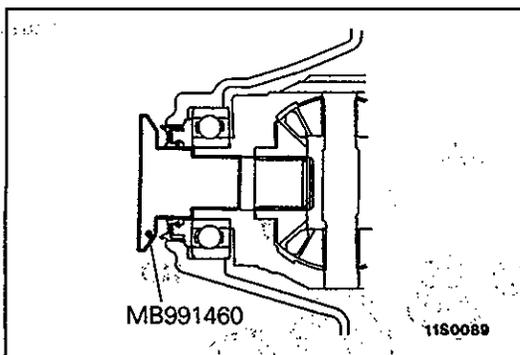
- (1) Use the special tools to push out the drive shaft from the hub.



- (2) Insert a pry bar between the transmission case and the drive shaft, and then pry the drive shaft from the transmission.

Caution

1. Do not pull on the drive shaft; doing so will damage the T.J.; be sure to use the pry bar.
2. Do not insert the pry bar so deep as to damage the oil seal.

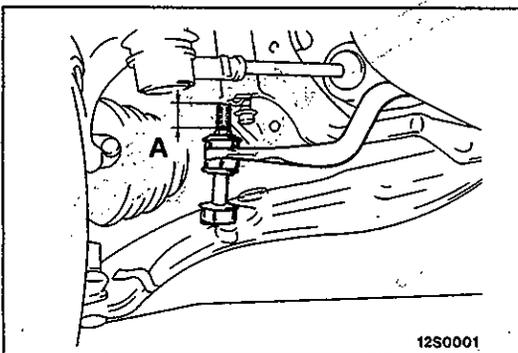


- (3) Use the special tool provided as a cover to prevent the entry of foreign objects into the transmission case.

INSPECTION

E26QC8D

- Check the drive shaft boot for damage or deterioration.
- Check the ball joints for wear or operating condition.
- Check the spline part for wear or damage.



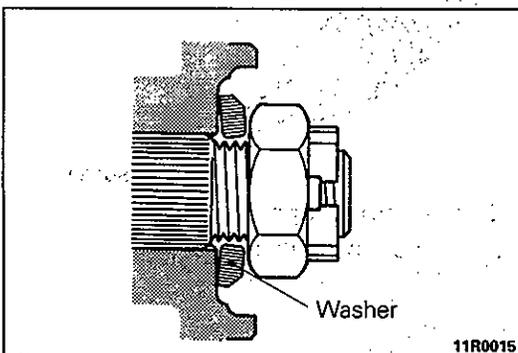
SERVICE POINTS OF INSTALLATION

E26QDBI

3. INSTALLATION OF STABILIZER BAR MOUNTING NUT

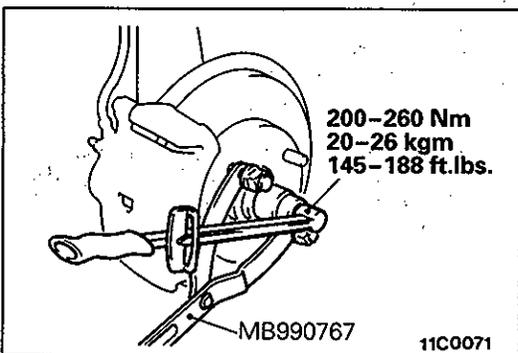
Tighten the nut on the stabilizer bar bolt so that the threaded portion meets the standard value (A).

Standard value (A) : 22 mm (0.87 in.)



2. INSTALLATION OF DRIVE SHAFT NUT

- (1) Be sure to install the drive shaft washer in the specified direction.



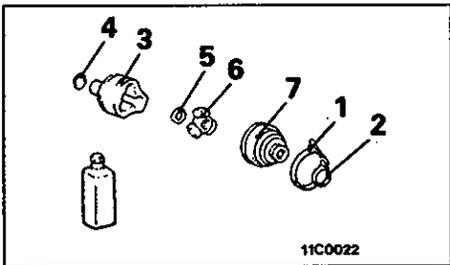
- (2) Using the special tool, tighten the drive shaft nut.

Caution

Before securely tightening the drive shaft nuts, make sure there is no load on the wheel bearings.

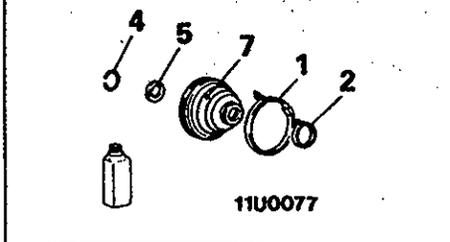
- (3) If the position of the split pin holes does not match, tighten the nut up to 260 Nm (26 kgm, 188 ft.lbs.) in maximum.
- (4) Install the split pin in the first matching holes and bend it securely.

DISASSEMBLY AND REASSEMBLY



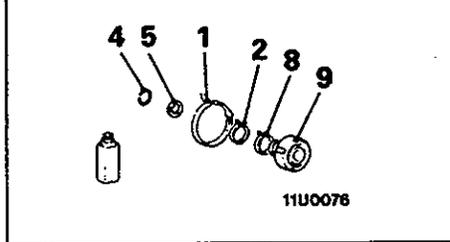
11C0022

T.J. repair kit



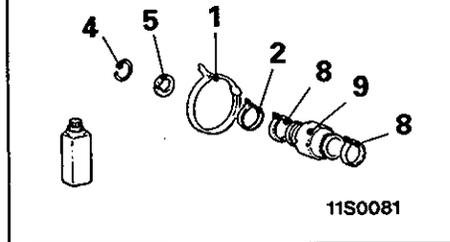
11U0077

T.J. boot repair kit



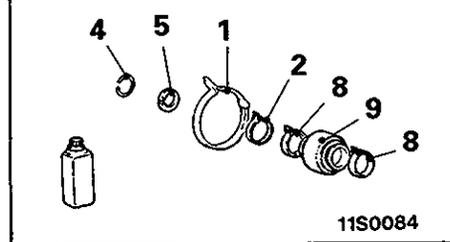
11U0078

Damper kit (L.H.) <1300, 1600>



11S0081

Damper kit (L.H.) <1800, 2000D>

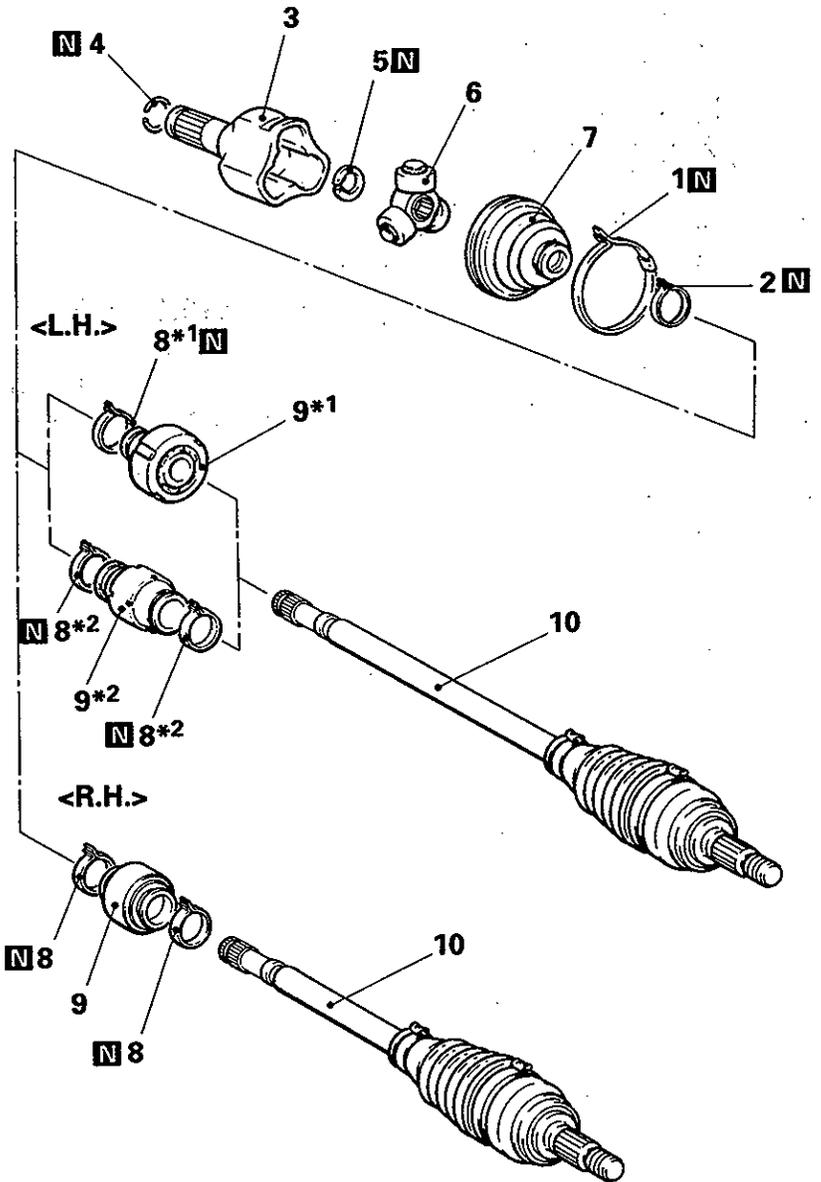


11S0084

Damper kit (R.H.)

NOTE

- *1: <1300, 1600>
- *2: <1800, 2000D>



11S0083

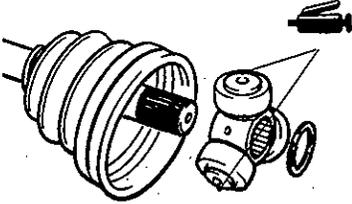
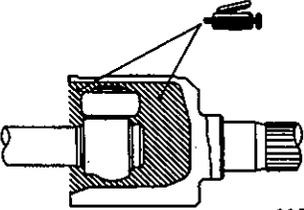
Disassembly steps

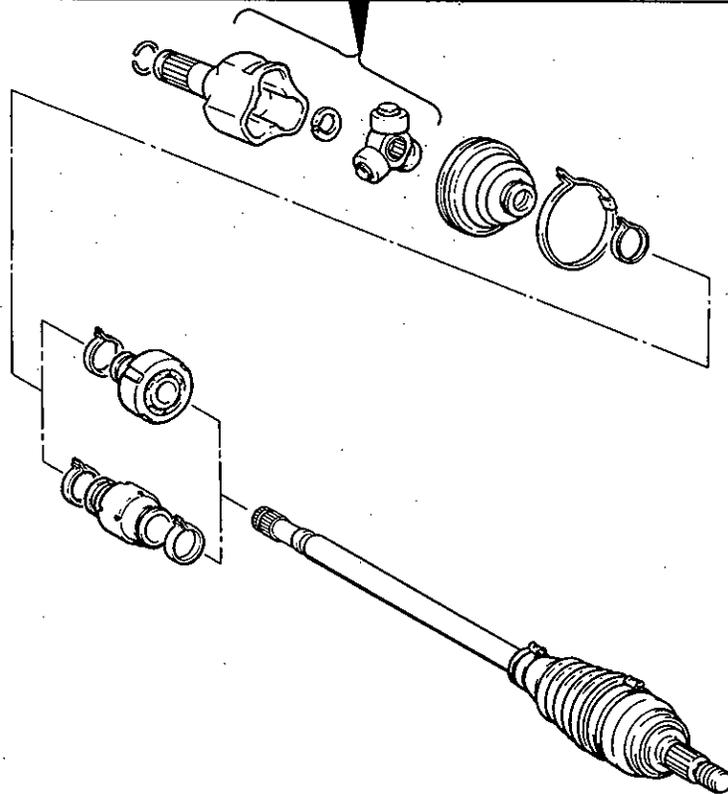
- ◆◆ 1. T.J. boot band (large)
- ◆◆ 2. T.J. boot band (small)
- ◆◆ 3. T.J. case
- ◆◆ 4. Circlip
- ◆◆ 5. Snap ring
- ◆◆ 6. Spider assembly
- ◆◆ 7. T.J. boot
- ◆◆ 8. Damper band
- ◆◆ 9. Dynamic damper
- ◆◆ 10. R.J. (or B.J.) assembly

Caution

- 1. Do not disassemble the R.J. (or B.J.) assembly.
- 2. For vehicles with ABS, be careful not to damage the rotors installed to the R.J. (or B.J.) outer race during disassembly and reassembly.

LUBRICANT POINTS

 <p style="text-align: right;">11E560</p>	 <p style="text-align: right;">11A0084</p>
<p>Grease: Repair kit grease</p>	<p>Grease: Repair kit grease 125g (4.41 oz.) <1300 (Vehicles with MMC-made drive shafts), 1600, 2000D> 95g (3.35 oz.) <1300 (Vehicles with NTN-made drive shafts)> 120g (4.23 oz.) <1800></p>
<p>Caution The drive shaft joint uses special grease. Do not mix old and new or different types of grease.</p>	



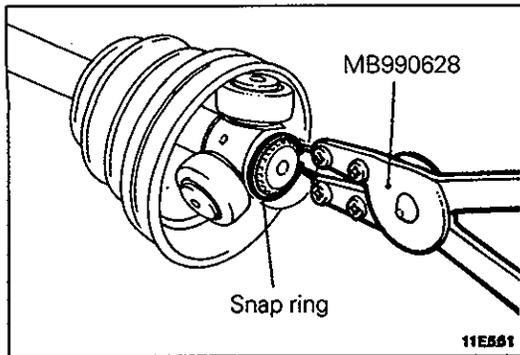
11S0083

SERVICE POINTS OF DISASSEMBLY

E26Q.FCI

3. REMOVAL OF T.J. CASE

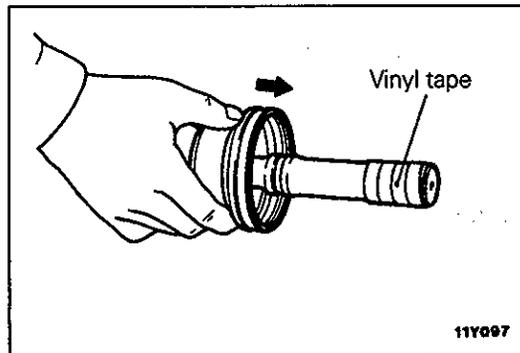
Remove the T.J. case from the R.J. assembly or B.J. assembly, and wipe off the grease inside the T.J. case.

**5. REMOVAL OF SNAP RING/6. SPIDER ASSEMBLY**

- (1) Remove the snap ring from the drive shaft with the special tool.
- (2) Take out the spider assembly from the drive shaft.
- (3) Clean the spider assembly.

Caution

1. Do not disassemble the spider assembly.
2. Use care in handling so as not to damage the drive shaft.

**7. REMOVAL OF T.J. BOOT**

- (1) Wipe the grease off of the spline portion.
- (2) Remove the T.J. boot.

NOTE

If the boot is reused, wrap vinyl tape around the drive shaft spline so that the boot is not damaged when it is removed.

INSPECTION

E26QGC8

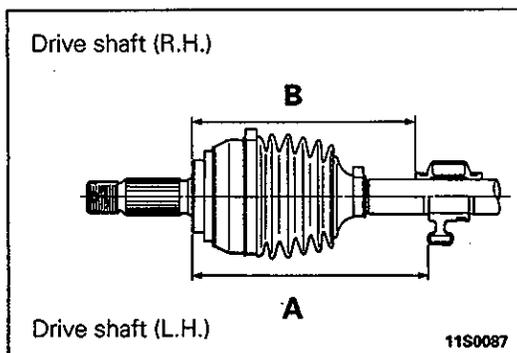
- Check the drive shaft for damage, bending or corrosion.
- Check the drive shaft spline part for wear or damage.
- Check the spider assembly for roller rotation, wear or corrosion.
- Check the groove inside T.J. case for wear or corrosion.
- Check the dynamic damper for damage or cracking.
- Check the boots for deterioration, damage or cracking.

SERVICE POINTS OF REASSEMBLY

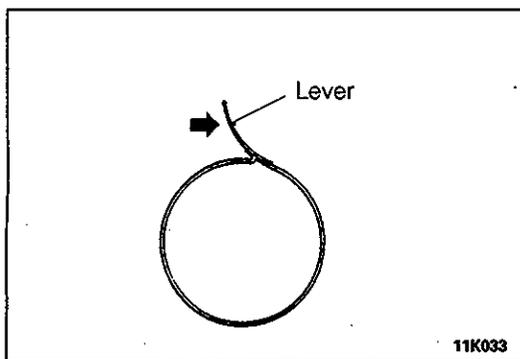
E26QHCI

9. INSTALLATION OF DYNAMIC DAMPER/8. DAMPER BAND

- (1) Install the dynamic damper in the position shown in the illustration.



Items	1300	1600	1800	2000D
A mm (in.)	437 ± 3 (17.20 ± 0.12)	451 ± 3 (17.76 ± 0.12)	365 ± 3 (14.37 ± 0.12)	365 ± 3 (14.37 ± 0.12)
B mm (in.)	200.5 ± 3 (7.89 ± 0.12)	200.5 ± 3 (7.89 ± 0.12)	200 ± 3 (7.87 ± 0.12)	200 ± 3 (7.89 ± 0.12)



(2) Secure the damper bands.

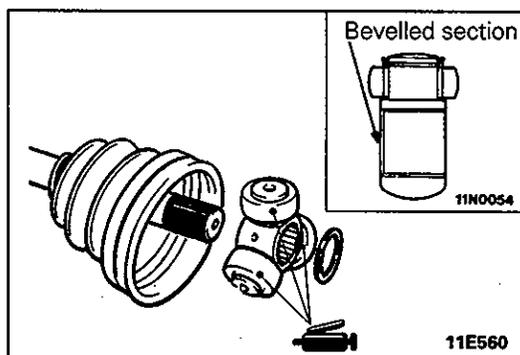
Caution

1. There should be no grease adhered to the rubber part of the dynamic damper.
2. The damper band and T.J. boot band are identified by the identification number stamped on the lever. Take good care to install the correct one.

Model \ Items	Damper band	T.J. boot band
1300 vehicles with MMC-made drive shafts	34.0 (L.H.) 31.0 (R.H.)	33.0
1300 vehicles with NTN-made drive shafts	20-99 # BJ82	20-83 # BJ82
1800	20-83 # BJ82	20-111 # BJ87
2000D	31.0	33.0

7. INSTALLATION OF T.J. BOOT

Wrap vinyl tape around the spline part on the drive shaft, and then install the T.J. boot band (small) and T.J. boot.



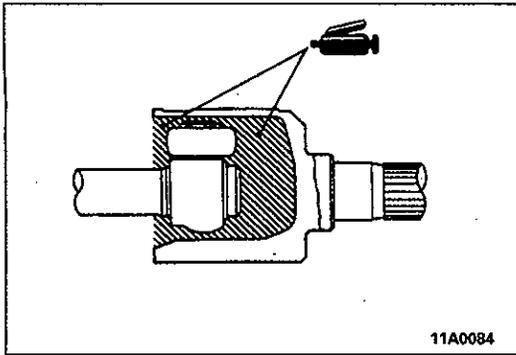
6. INSTALLATION OF SPIDER ASSEMBLY/3. T.J. CASE

(1) Apply the specified grease furnished in the repair kit to the spider assembly between the spider axle and the roller.

Specified grease: Repair kit grease

Caution

1. The drive shaft joint uses special grease. Do not mix old and new or different types of grease.
2. If the spider assembly has been cleaned, take special care to apply the specified grease.



- (2) Install the spider assembly to the shaft from the direction of the spline bevelled section.
- (3) After applying specified grease to the T.J. case, insert the drive shaft and apply grease one more time.

Specified grease: Repair kit grease

125g (4.41 oz.) <1300 (Vehicles with MMC-made drive shafts), 1600, 2000D>

95g (3.35 oz.) <1300 (Vehicles with NTN-made drive shafts)>

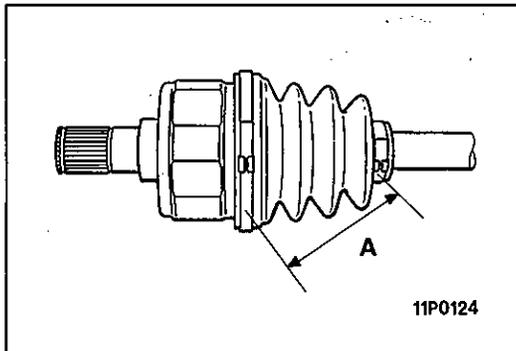
120g (4.23 oz.) <1800>

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 use special grease. Do not mix old and new or different types of grease.



2. INSTALLATION OF T.J. BOOT BAND (SMALL)/1. T.J. BOOT BAND (LARGE)

Set the T.J. boot bands at the specified distance in order to adjust the amount of air inside the T.J. boot, and then tighten the T.J. boot bands securely.

Standard value: 85 ± 3 mm (3.35 ± 0.12 in.) <1300, 1600, 2000D>

90 ± 3 mm (3.54 ± 0.12 in.) <1800>

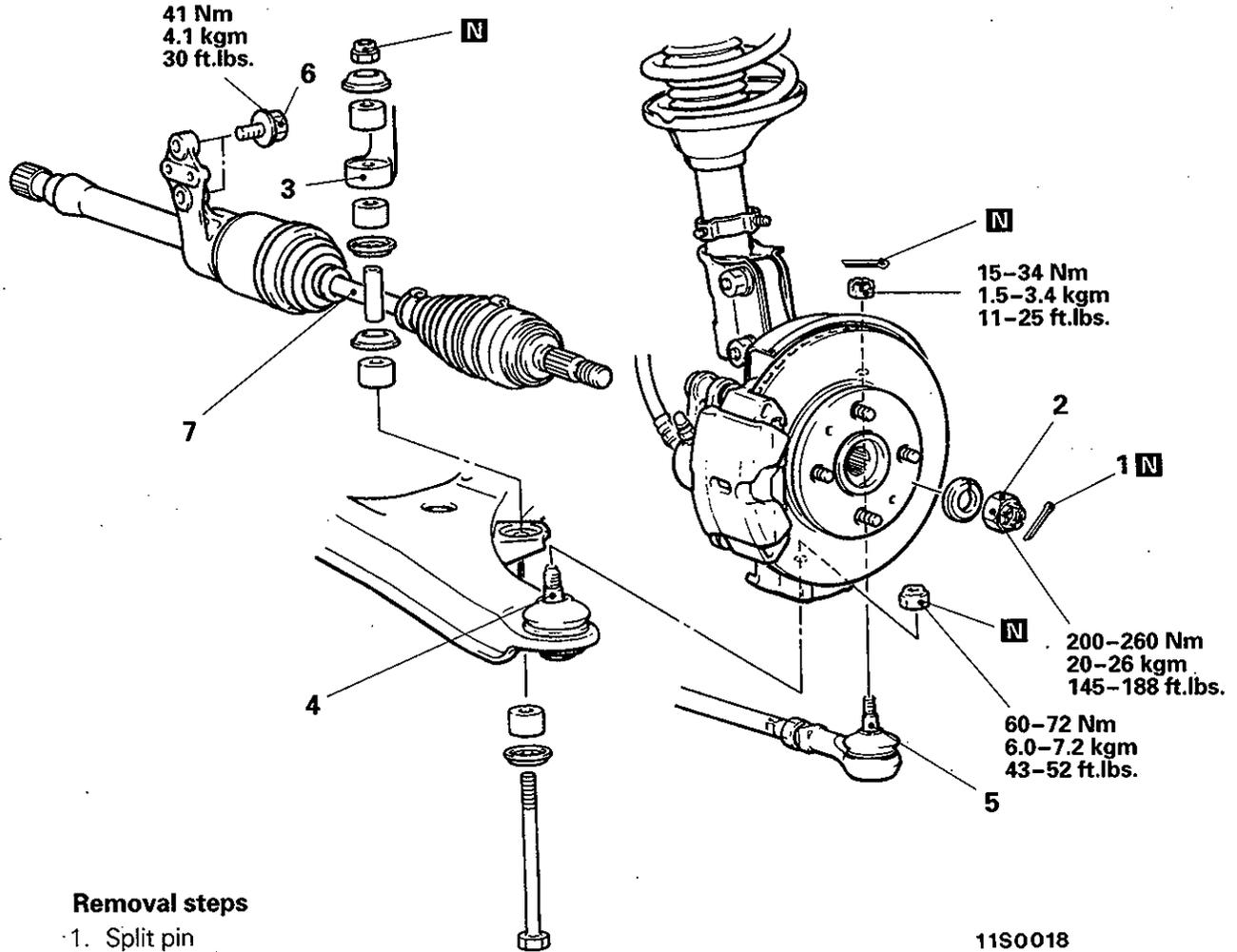
DRIVE SHAFT <4WD>

REMOVAL AND INSTALLATION

E26QA-2

Post-installation and Post-installation Operation

- Removal and Installation of Under Cover



Removal steps

- ↔ ↔ 1. Split pin
- ↔ ↔ 2. Drive shaft nut
- ↔ ↔ 3. Connection for stabilizer bar
- ↔ ↔ 4. Connection for lower arm ball joint
- ↔ 5. Connection for tie rod end
- ↔ 6. Bolt
- ↔ 7. Drive shaft and inner shaft (LH) or drive shaft (RH)

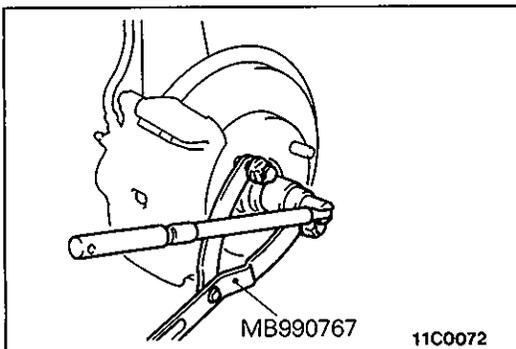
Caution

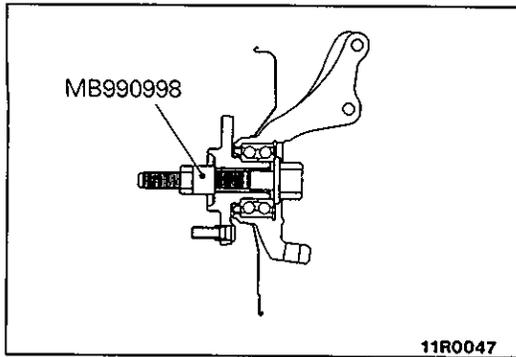
For vehicles with ABS, be careful not to damage the rotors installed to the B.J. outer race during removal and installation of the drive shaft.

SERVICE POINTS OF REMOVAL

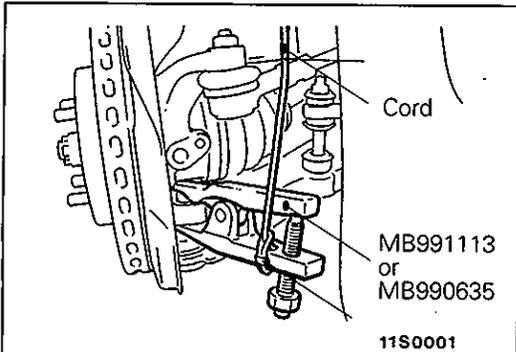
2. REMOVAL OF DRIVE SHAFT NUT

E26QBCD

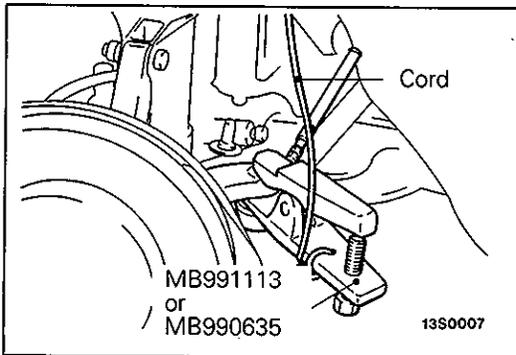


**Caution**

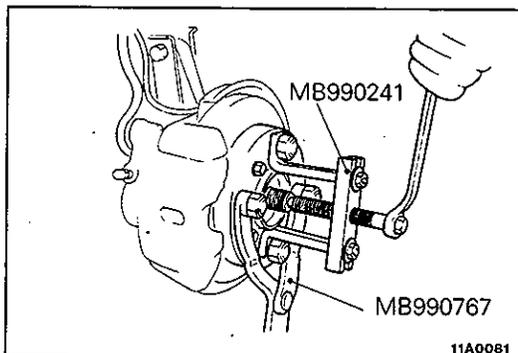
Do not apply the vehicle weight to the wheel bearing while loosening the drive shaft nut. If, however, the vehicle weight must be applied to the bearing (because of moving the vehicle), temporarily secure the wheel bearing by using the special tool, MB990998, etc.

**4. DISCONNECTION OF LOWER ARM BALL JOINT****Caution**

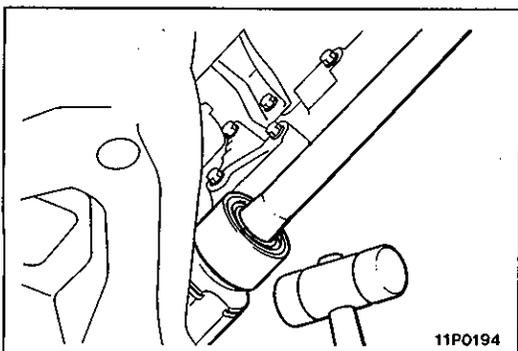
1. Be sure to tie the cord of the special tool to the nearby part.
2. Loosen the nut but do not remove it.

**5. DISCONNECTION OF TIE ROD END****Caution**

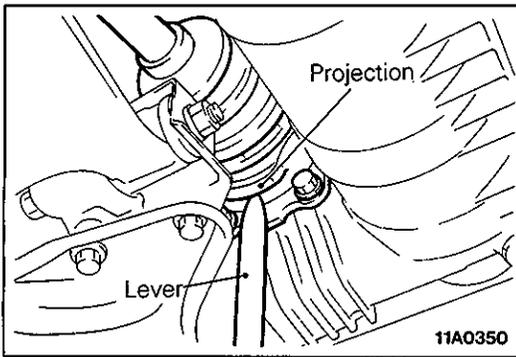
1. Be sure to tie the cord of the special tool to the nearby part.
2. Loosen the nut but do not remove it.

**7. REMOVAL OF DRIVE SHAFT AND INNER SHAFT (LH) OR DRIVE SHAFT (RH)**

- (1) Use the special tools to push out the drive shafts from the hub.



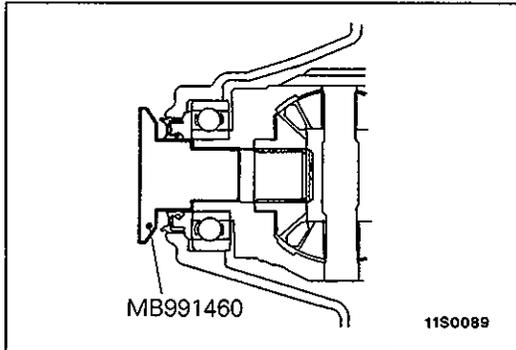
- (2) If the inner shaft and transmission are tightly joined, tap the center bearing bracket lightly with a plastic hammer, etc. to remove the drive shaft and inner shaft (LH) from the transmission.



- (3) Apply a lever to the projecting part of the drive shaft to remove the drive shaft (RH) from the transmission.

Caution

Do not pull on the drive shaft; doing so will damage the T.J. be sure to use the pry bar.

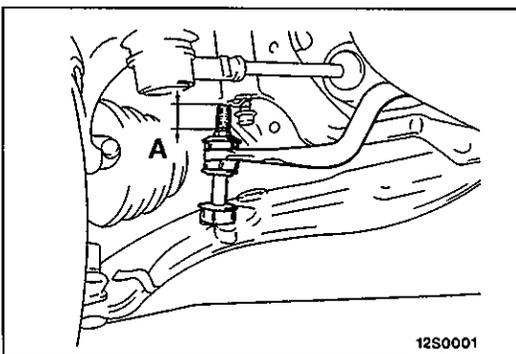


- (4) Use the special tool provided as a cover to prevent the entry of foreign objects into the transmission case.

INSPECTION

E26QCB

- Check the drive shaft boot for damage or deterioration.
- Check the ball joints for wear or operating condition.
- Check the spline part for wear or damage.



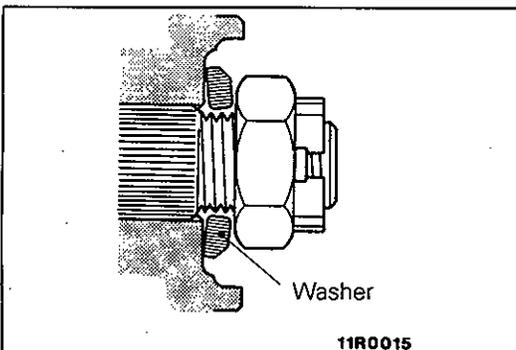
SERVICE POINTS OF INSTALLATION

E26QDCB

3. INSTALLATION OF STABILIZER BAR MOUNTING NUT

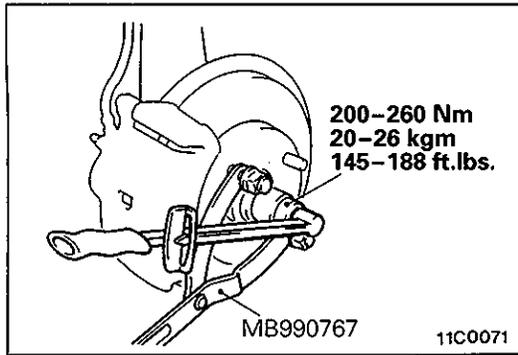
Tighten the nut on the stabilizer bar bolt so that the threaded portion meets the standard value (A).

Standard value (A) : 22 mm (0.87 in.)



2. INSTALLATION OF DRIVE SHAFT NUT

- (1) Be sure to install the drive shaft washer in the specified direction.



- (2) Using the special tool, tighten the drive shaft nut.

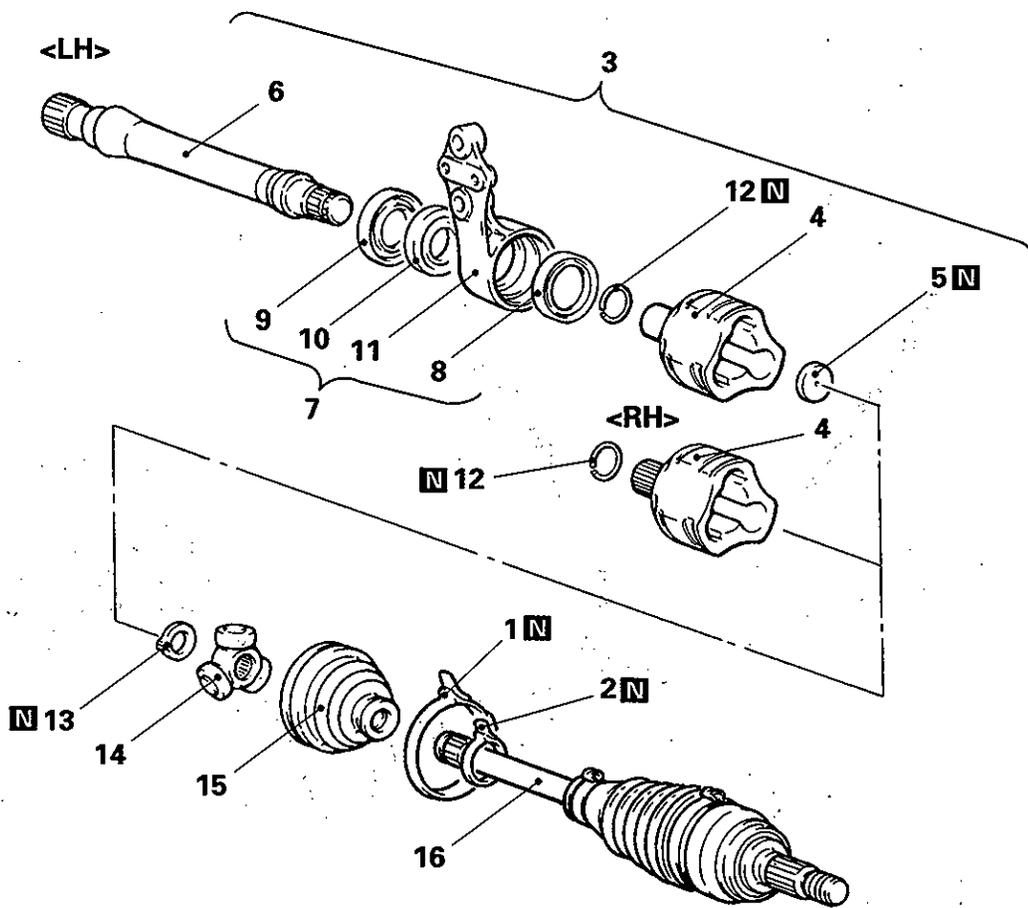
Caution

Before securely tightening the drive shaft nuts, make sure there is no load on the wheel bearings.

- (3) If the position of the split pin holes does not match, tighten the nut up to 260 Nm (26 kgm, 188 ft.lbs.) in maximum.
- (4) Install the split pin in the first matching holes and bend it securely.

DISASSEMBLY AND REASSEMBLY

E26QE-2



11S0006

<p>11A0117</p>	<p>11C0022</p>	<p>11A0113</p>	<p>11S0008</p>
<p>T.J. boot repair kit</p>	<p>T.J. repair kit</p>	<p>Bearing dust seal repair kit</p>	<p>Bracket assembly repair kit</p>

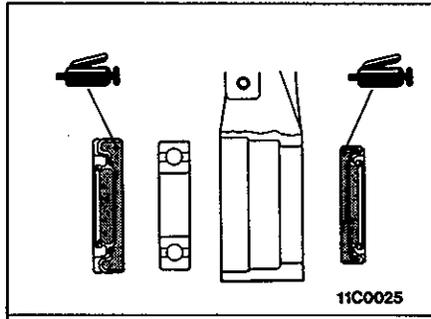
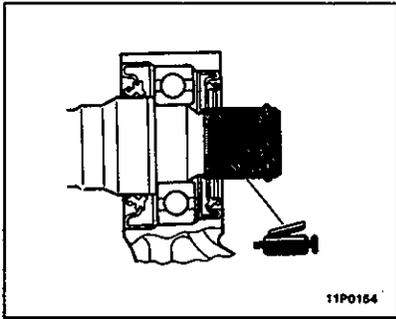
Disassembly steps

- ◆◆ 1. T.J. boot band
- ◆◆ 2. T.J. boot band (small)
- ◆◆ 3. T.J. case and inner shaft assembly
- ◆◆ 4. T.J. case
- ◆◆ 5. Seal plate
- ◆◆ 6. Inner shaft
- ◆◆ 7. Bracket assembly
- ◆◆ 8. Dust seal outer
- ◆◆ 9. Dust seal inner
- ◆◆ 10. Center bearing
- ◆◆ 11. Center bearing bracket
- ◆◆ 12. Circlip
- ◆◆ 13. Snap ring
- ◆◆ 14. Spider assembly
- ◆◆ 15. T.J. boot
- ◆◆ 16. B.J. assembly

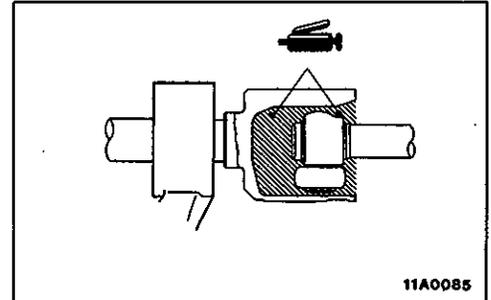
Caution

1. Do not disassemble the B.J. assembly
2. For vehicles with ABS, be careful not to damage the rotors installed to the R.J. (or B.J.) outer race during disassembly and reassembly.

LUBRICANT POINTS

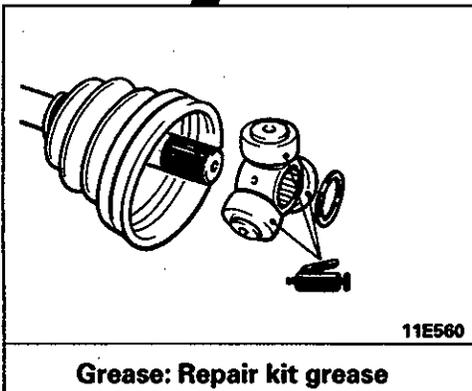
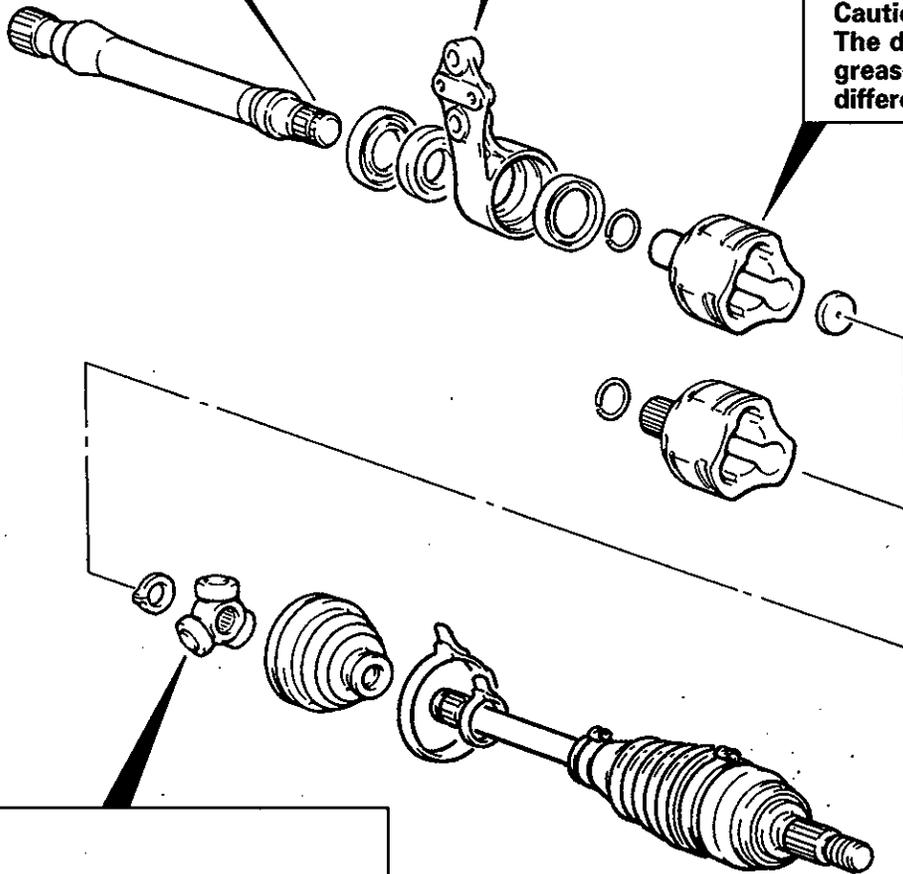


Dust seal inner 7-10 g
(0.25-0.35 oz.)
Dust seal outer 4-6 g
(0.14-0.21 oz.)



Grease: Repair kit grease
105 g (3.70 oz.)

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



Grease: Repair kit grease

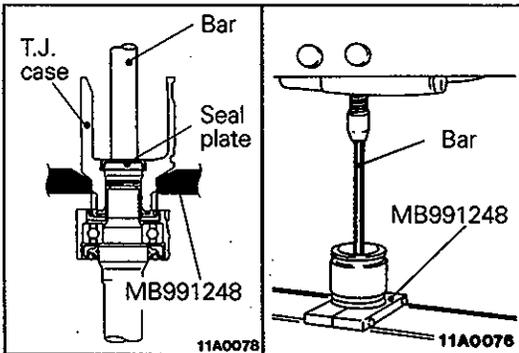
11S0006

SERVICE POINTS OF DISASSEMBLY

E26QFAM

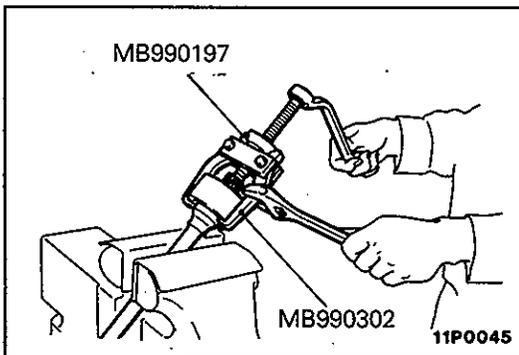
4. REMOVAL OF T.J. CASE

After removing the T.J. case from the B.J. assembly, wipe off the grease on the T.J. case

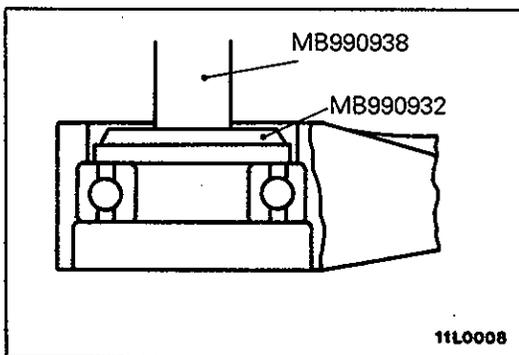


6. REMOVAL OF INNER SHAFT

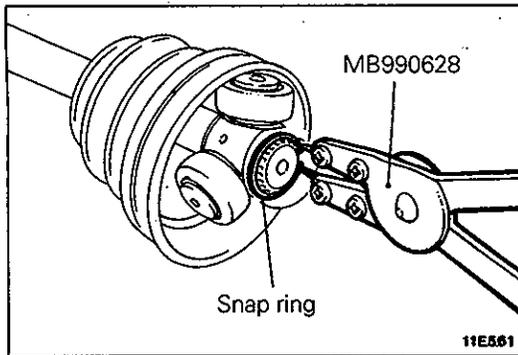
(1) Using the special tool, remove the inner shaft assembly, together with the seal plate, from the T.J. case.



(2) Use the special tools to remove the inner shaft from the bracket.



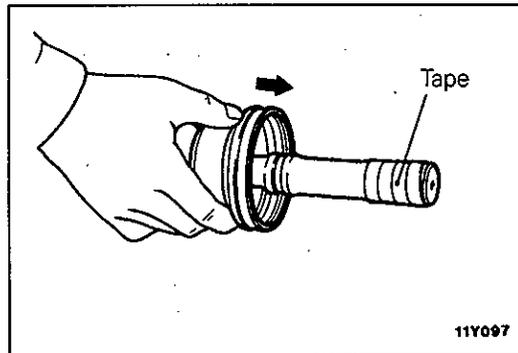
10. REMOVAL OF CENTER BEARING

**13. REMOVAL OF SNAP RING/14. SPIDER ASSEMBLY**

- (1) Remove the snap ring from the drive shaft with the special tool.
- (2) Take out the spider assembly from the drive shaft.
- (3) Clean the spider assembly.

Caution

1. Do not disassemble the spider assembly.
2. Use care in handling so as not to damage the drive shaft.

**15. REMOVAL OF T.J. BOOT**

- (1) Wipe the grease off of the spline portion.
- (2) Remove the T.J. boot.

NOTE

If the boot is reused, wrap vinyl tape around the drive shaft spline so that the boot is not damaged when it is removed.

INSPECTION

E260GCE

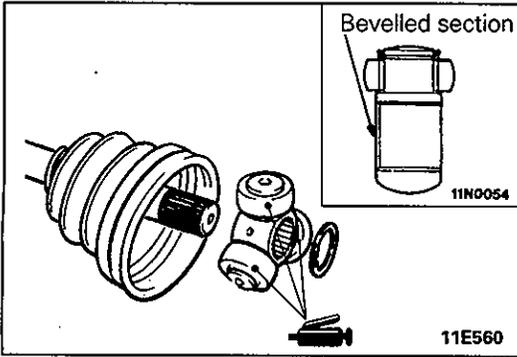
- Check the drive shaft for damage, bending or corrosion.
- Check the inner shaft for damage, bending or corrosion.
- Check the drive shaft splines for wear or damage.
- Check the inner shaft splines for wear or damage.
- Check the spider assembly for roller rotation, wear or corrosion.
- Check the groove inside T.J. case for wear or corrosion.
- Check the boots for deterioration, damage or cracking.
- Check the center bearing for seizure, discoloration or roughness of rolling surface.
- Check the dust cover for damage or deterioration.

SERVICE POINTS OF REASSEMBLY

E260HCG

15. INSTALLATION OF T.J. BOOT

- (1) Wrap vinyl tape around the spline part on the drive shaft, and then install the T.J. boot.



14. INSTALLATION OF SPIDER ASSEMBLY

- (1) Apply the specified grease furnished in the repair kit to the spider assembly between the spider axle and the roller.

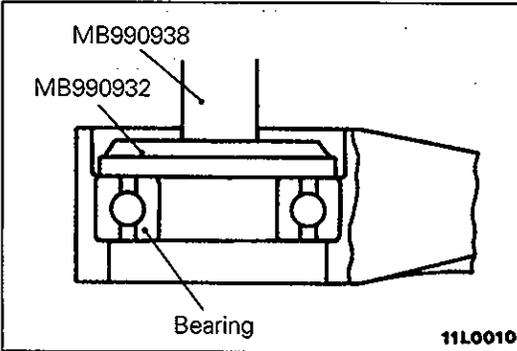
Specified grease: Repair kit grease

Caution

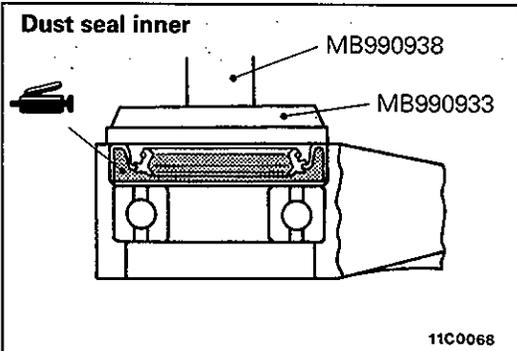
1. The drive shaft joint uses special grease. Do not mix old and new or different types of grease.
2. If the spider assembly has been cleaned, take special care to apply the specified grease.

- (2) Install the spider assembly to the shaft from the direction of the spline bevelled section.

10. INSTALLATION OF CENTER BEARING



9./8. INSTALLATION OF DUST SEALS



- (1) Apply multipurpose grease to the rear surfaces of all dust seals.

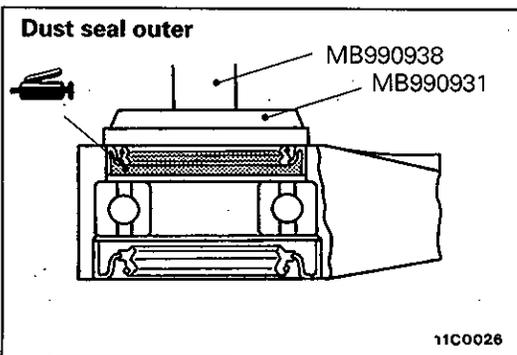
Dust seal inner **7-10 g (0.25-0.35 oz)**

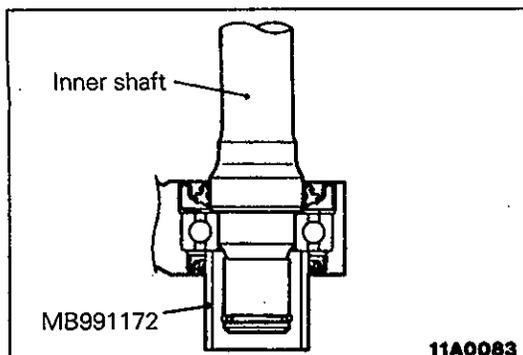
Dust seal outer **4-6 g (0.14-0.21 oz)**

- (2) Use the special tools to install the dust seal so that its surface runs even with that of the center bearing bracket.
- (3) Apply multipurpose grease to the lip of each dust seal.

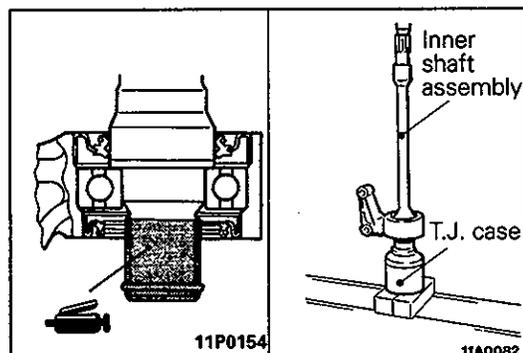
NOTE

When applying grease, make sure that it does not adhere to anything outside the lip.



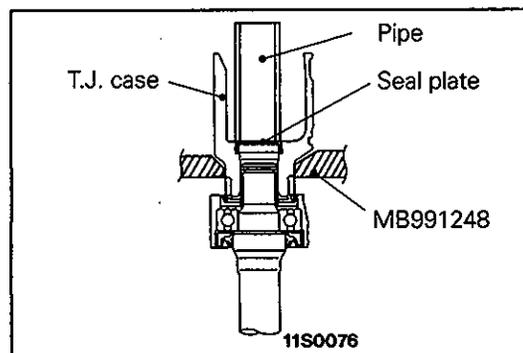


6. INSTALLATION OF INNER SHAFT

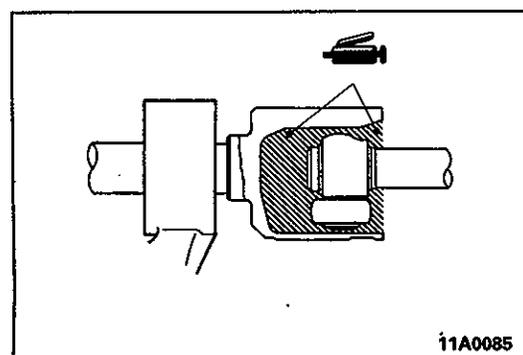


3. INSTALLATION OF INNER SHAFT ASSEMBLY

- (1) Apply multipurpose grease to the inner shaft spline, then press fit it into the T.J. case.



- (2) Use the special tool to secure the T.J. case
- (3) Use a pipe ($\text{Ø } 30\text{mm (1.18 in.)}$) to press the seal plate into the T.J. case.



- (3) Fill the specified grease furnished in the repair kit to the T.J. case.

Specified grease: Repair kit grease 105 g (3.70 oz.)

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.

2. INSTALLATION OF T.J. BOOT BAND (SMALL)/1. T.J. BOOT BAND

Set the T.J. boot bands at the specified distance in order to adjust the amount of air inside the T.J. boot, and then tighten the T.J. boot band securely.

Standard value (A): $85 \pm 3 \text{ mm (3.35} \pm 0.12 \text{ in.)}$

