



SERVICE BULLETIN

DOMESTIC SALES & AFTER SALES SERVICE OFFICE, MITSUBISHI MOTORS CORPORATION

PURPOSE : INFORMATION	ISSUE NO. : MSB-10E26-001	DATE : 2010-05-20
SUBJECT : FRONT DRIVE SHAFT FOR 2WD MODELS	<MODEL> <M/Y>	
GROUP : FRONT AXLE	(EUR) See following <u>2. Applicable Manuals table.</u>	

1. Description:

The service procedure for front drive shaft for 2WD models is revised to correct the inconsistency between the service procedure and the actual service parts.
This Service Bulletin contains the details of the corrected service procedure.

2. Applicable Manuals:

See Attached sheet 1.

There may be some attached sheets not included in this Service Bulletin because they are not applicable to your market. Their sheet numbers are not listed in the above table.

3. Details:

See Attached sheets 5 to 9 and 13 to 15.

Manual/Model	<M/Y>	Pub. No.	Title (Info-ID)	Attached Sheet
2008 OUTLANDER Workshop Manual (CW0W)	08	CGXE08E2-CD (English) CGXS08E2-CD (Spanish) CGXF08E2-CD (French) CGXG08E2-CD (German)	Driveshaft Assembly Disassembly and Reassembly <2WD> (M261-00-371-46000-01)	Attached sheet 5, 13
2009 OUTLANDER Workshop Manual (CW0W)	09	CGXE09E1-CD (English) CGXS09E1-CD (Spanish) CGXF09E1-CD (French) CGXG09E1-CD (German) CGXI09E1-CD (Italian)	Driveshaft Assembly Disassembly and Reassembly <2WD> (M261-00-371-46002-01)	Attached sheet 6, 14
2010 OUTLANDER Workshop Manual (CW0W)	10	CGXE10E1-CD (English) CGXS10E1-CD (Spanish) CGXF10E1-CD (French) CGXG10E1-CD (German) CGXI10E1-CD (Italian)	Driveshaft Assembly Disassembly and Reassembly <2WD-2400> (M261-00-372-11700-01)	Attached sheet 7, 14
2008 LANCER Workshop Manual (CY0A)	08	CG1E08E2-CD (English) CG1S08E2-CD (Spanish) CG1F08E2-CD (French) CG1G08E2-CD (German)	Driveshaft Assembly Disassembly and Reassembly <Vehicles for EUROPE (Except for RUSSIA): 2000-2WD> (M261-00-371-15800-01)	Attached sheet 8, 15
2009 LANCER Workshop Manual (CY0A)	09	CG1E09E1-CD (English) CG1S09E1-CD (Spanish) CG1F09E1-CD (French) CG1G09E1-CD (German) CG1I09E1-CD (Italian)		
2010 LANCER Workshop Manual (CY0A)	10	CG1E10E1-CD (English) CG1S10E1-CD (Spanish) CG1F10E1-CD (French) CG1G10E1-CD (German) CG1I10E1-CD (Italian)		
2009 LANCERSPORTBACK Workshop Manual (CX0A)	09	CG4E09E1-CD (English) CG4S09E1-CD (Spanish) CG4F09E1-CD (French) CG4G09E1-CD (German) CG4I09E1-CD (Italian)	Driveshaft Assembly Disassembly and Reassembly <2000-2WD> (M261-00-371-92100-01)	Attached sheet 9, 15
2010 LANCERSPORTBACK Workshop Manual (CX0A)	10	CG4E10E1-CD (English) CG4S10E1-CD (Spanish) CG4F10E1-CD (French) CG4G10E1-CD (German) CG4I10E1-CD (Italian)		

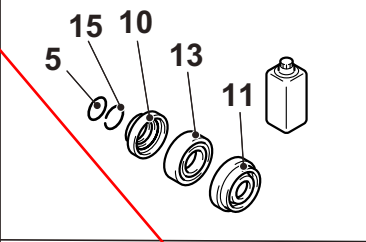
DISASSEMBLY AND REASSEMBLY

<2WD>

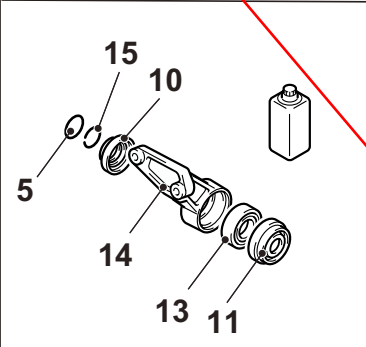
CAUTION

As for the EBJ assembly, only the EBJ boot can be replaceable, and other parts cannot be disassembled.

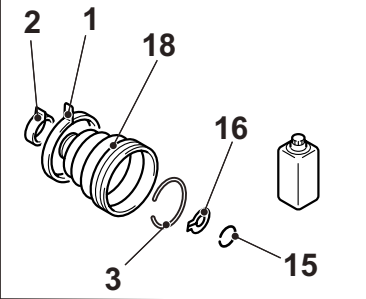
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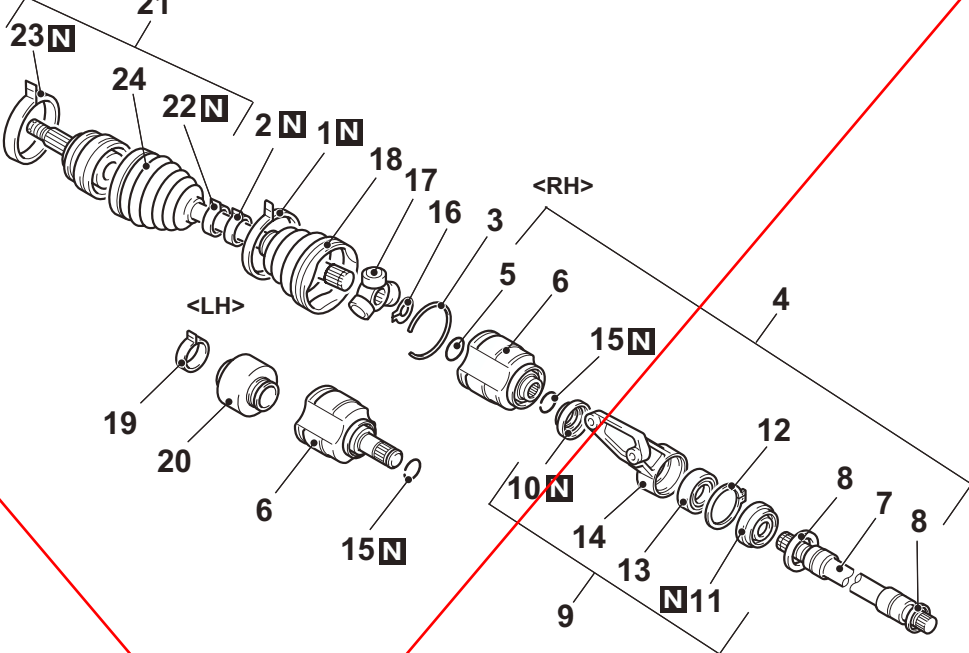
Bearing dust seal repair kit



Bracket assembly repair kit



PTJ boot repair kit



PTJ repair kit

EBJ boot repair kit

Disassembly steps

>> <<	1.	PTJ boot band (large)
>> <<	2.	PTJ boot band (small)
<<A>>	>>H<<	3. Circlip
<>	>>H<<	4. PTJ case/Inner shaft assembly
<<C>>	>>H<<	5. Seal plate
<<D>>	>>G<<	6. PTJ case
		7. Inner shaft
		8. Dust cover
		9. Bracket assembly
	>>F<<	10. Dust seal outer
	>>F<<	11. Dust seal inner
		12. Snap ring

Disassembly steps

<<E>>	>>E<<	13. Centre bearing
		14. Centre bearing bracket
		15. Circlip
	>>D<<	16. Snap ring
<<F>>	>>C<<	17. Spider assembly
	>>B<<	18. PTJ boot
	>>B<<	19. Damper band
		20. Dynamic damper (LH)
		21. EBJ assembly
		22. EBJ boot band (small)
		23. EBJ boot band (large)
	>>A<<	24. EBJ boot

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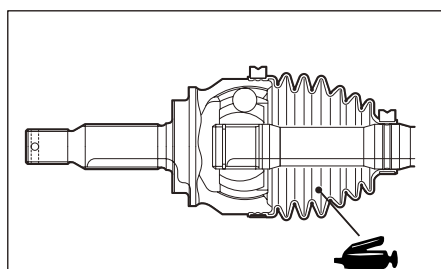
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From Attached sheet 13

MSB-10E26-001 (10AL010)

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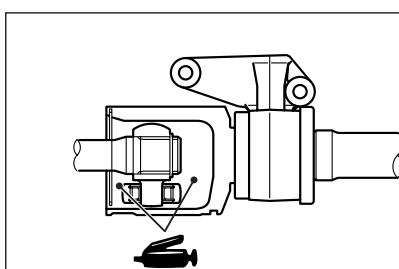
LUBRICATION POINTS



Grease: Repair kit grease
Amount used: 120 ± 10 g

CAUTION

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

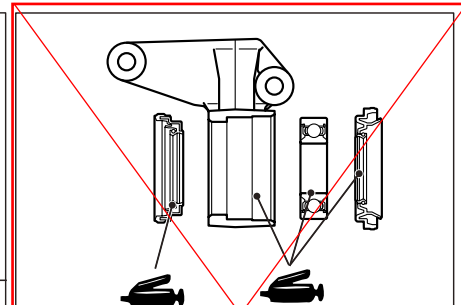


Grease: Repair kit grease
Amount used: 210 ± 10 g <LH>, 225 ± 10 g <RH>

CAUTION

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

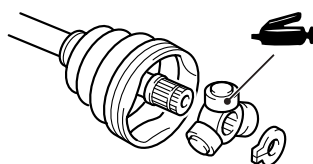
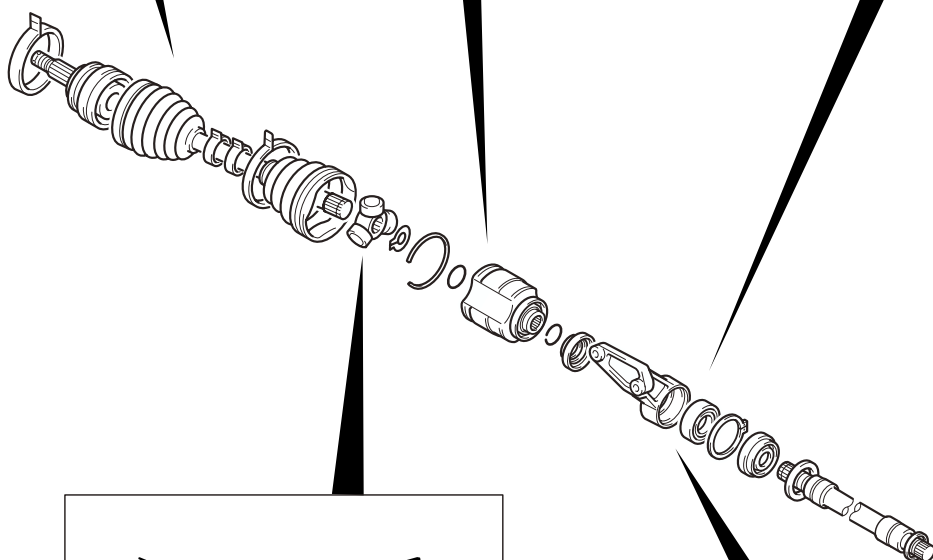
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Grease: Repair kit grease
Amount used:
Dust seal inner: 6 - 10 g
Dust seal outer: 3 - 7 g

CAUTION

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

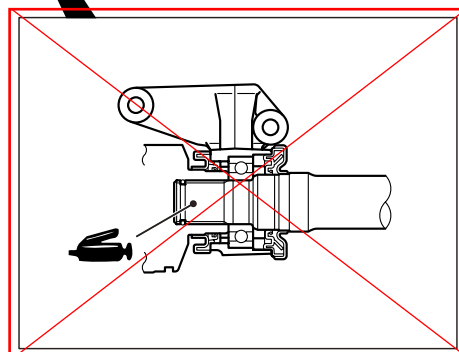


Grease: Repair kit grease

CAUTION

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

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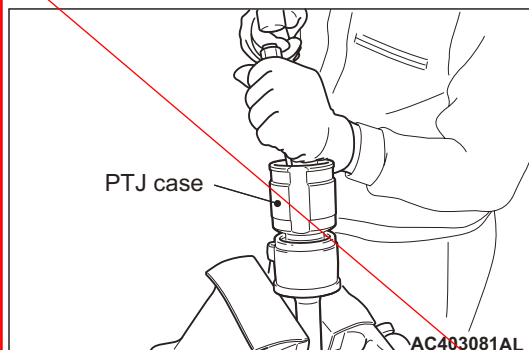
DISASSEMBLY SERVICE POINTS

<<A>>PTJ CASE/INNER SHAFT ASSEMBLY REMOVAL

CAUTION

When removing the PTJ case and inner shaft assembly, be careful not to drop off the roller part of spider assembly, because it easily departs from the spider assembly.

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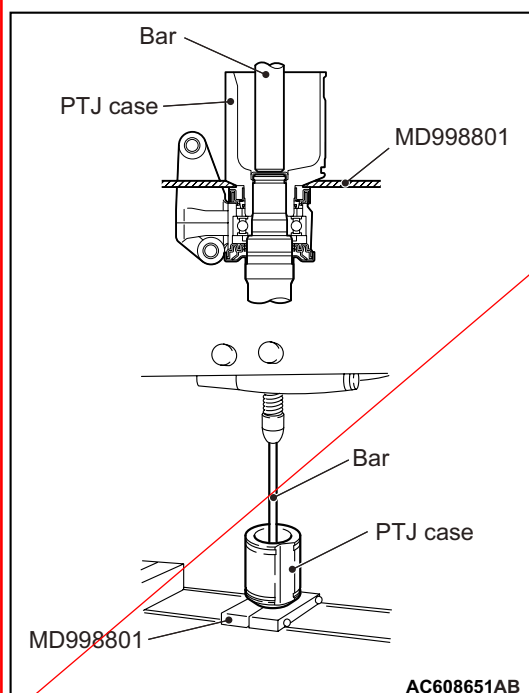


<> SEAL PLATE REMOVAL

Use a slotted screwdriver to make a hole in the seal plate inside the PTJ case, and remove it.

<<C>> PTJ CASE REMOVAL

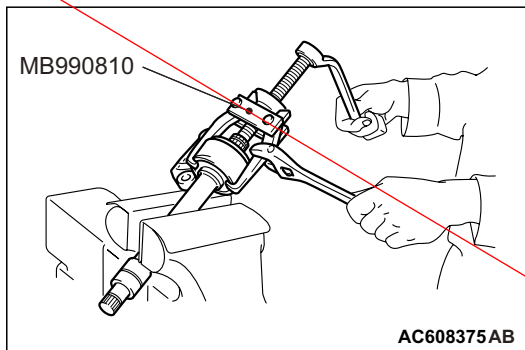
Use special tool bar (MD998801) to remove the PTJ case from the inner shaft assembly.



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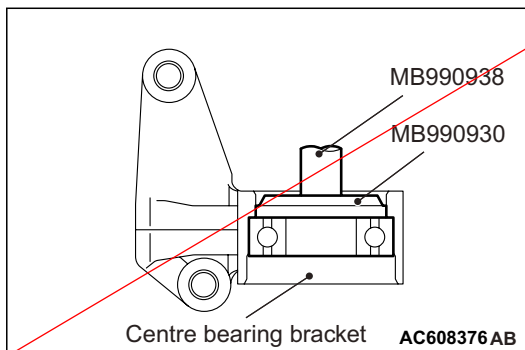
<<D>> INNER SHAFT REMOVAL

Use special tool side bearing puller (MB990810) to remove the inner shaft from the centre bearing bracket.

**<<E>> CENTRE BEARING REMOVAL**

Use the following special tools to remove the centre bearing from the centre bearing bracket.

- Installer bar (MB990938)
- Installer adapter (MB990930)

**<<F>> PTJ BOOT REMOVAL**

1. Wipe off grease from the shaft spline.
2. When reusing the PTJ boot, wrap plastic tape around the shaft spline to avoid damaging the boot.

REASSEMBLY SERVICE POINTS**>>A<< EBJ BOOT INSTALLATION**

Wrap plastic tape around the shaft spline, and then install the EBJ boot.

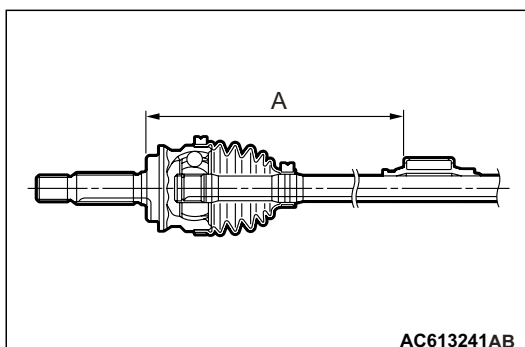
>>B<< DYNAMIC DAMPER/DAMPER BAND INSTALLATION**⚠ CAUTION**

There should be no grease adhered to the rubber part of the dynamic damper.

1. Install the dynamic damper in the position (A) shown in the figure .

A: 221 ± 3 mm

2. Secure the damper band.
3. Wrap plastic tape around the shaft spline, and then install the PTJ boot band (small) and PTJ boot.



>>C<< PTJ BOOT INSTALLATION

Wrap plastic tape around the shaft spline, and then install the PTJ boot.

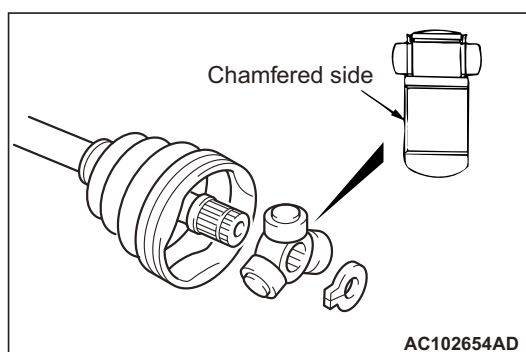
>>D<< SPIDER ASSEMBLY INSTALLATION**⚠ CAUTION**

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

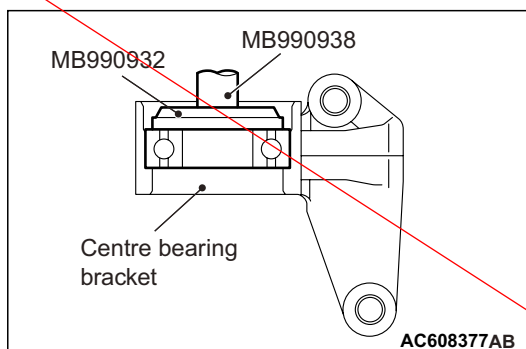
1. Apply the specified grease furnished in the repair kit to the spider assembly between the spider axle and the roller.

Specified grease: Repair kit grease

2. Install the spider assembly to the shaft from the direction of the spline chamfered side.



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**>>E<<CENTRE BEARING INSTALLATION**

Use the following special tools to press-fit the centre bearing into the centre bearing bracket.

- Installer bar (MB990938)
- Installer adapter (MB990932)

>>F<<DUST SEAL INNER/DUST SEAL OUTER INSTALLATION**⚠ CAUTION**

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

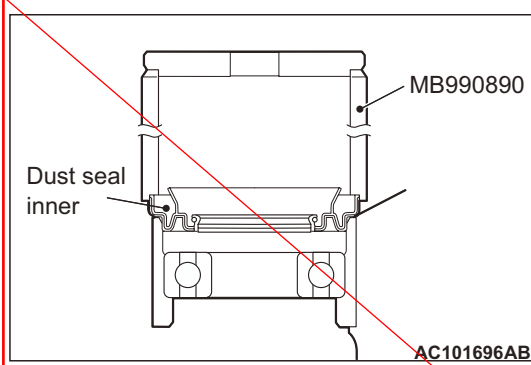
1. Apply the specified grease to the rear surface of all dust seals.

Specified grease: Repair kit grease

Amount used (Dust seal inner): 6 – 10 g

Amount used (Dust seal outer): 3 – 7 g

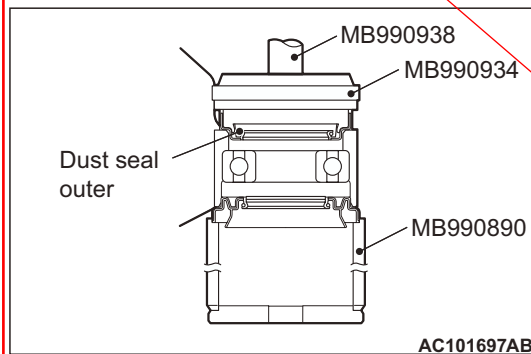
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2. Use the following special tools to press the dust seals into the centre bearing bracket until they are flush with each other.

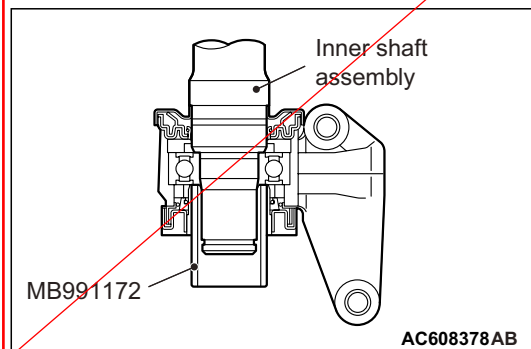
- Rear suspension bush base (MB990890)
- Installer bar (MB990938)
- Installer adapter (MB990934)

3. Apply repair kit grease to the lip of each dust seal.



>>G<<INNER SHAFT INSTALLATION

Use special tool inner shaft installer base (MB991172) to hold the centre bearing inner race, and then press-in the inner shaft.



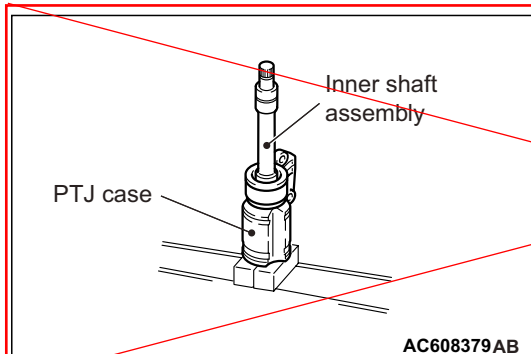
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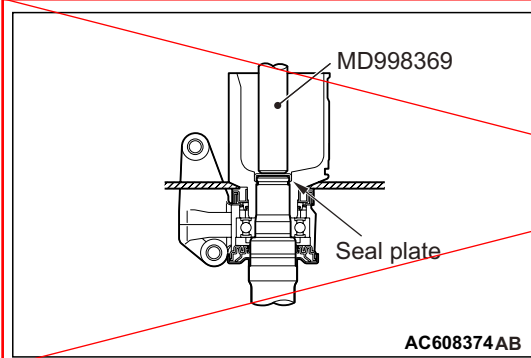
>>H<<~~SEAL PLATE~~/PTJ CASE/INNER SHAFT ASSEMBLY INSTALLATION

1. Apply repair kit grease to the inner shaft spline, then press fit it into the PTJ case.

NOTE: When press-fitting the inner shaft into the PTJ case, apply a thin coat of repair kit grease to the dust seal outer lip part and the outside edge of the PTJ axial part.



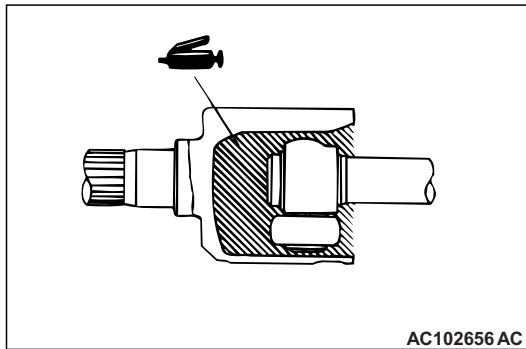
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2. Use special tool bearing installer (MD998369) to press in the seal plate.

CAUTION

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



3. After applying the specified grease to the PTJ case, insert the driveshaft and apply grease again.

Specified grease: Repair kit grease

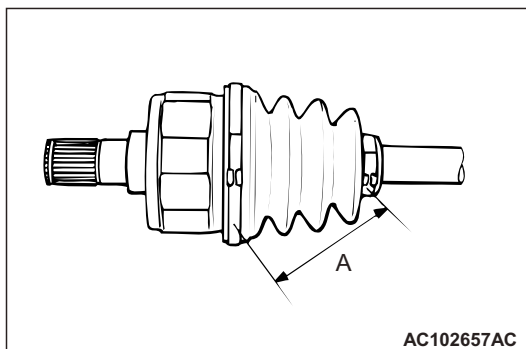
Amount to use: 210 ± 10 g <LH>, 225 ± 10 g <RH>

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

>>I<< PTJ BOOT BAND (SMALL)/PTJ BOOT BAND (LARGE) INSTALLATION

Set the PTJ boot bands at the specified distance in order to adjust the amount of air inside the PTJ boot, and then tighten the PTJ boot band (small), PTJ boot band (large) securely.

Standard value (A): 85 ± 3 mm



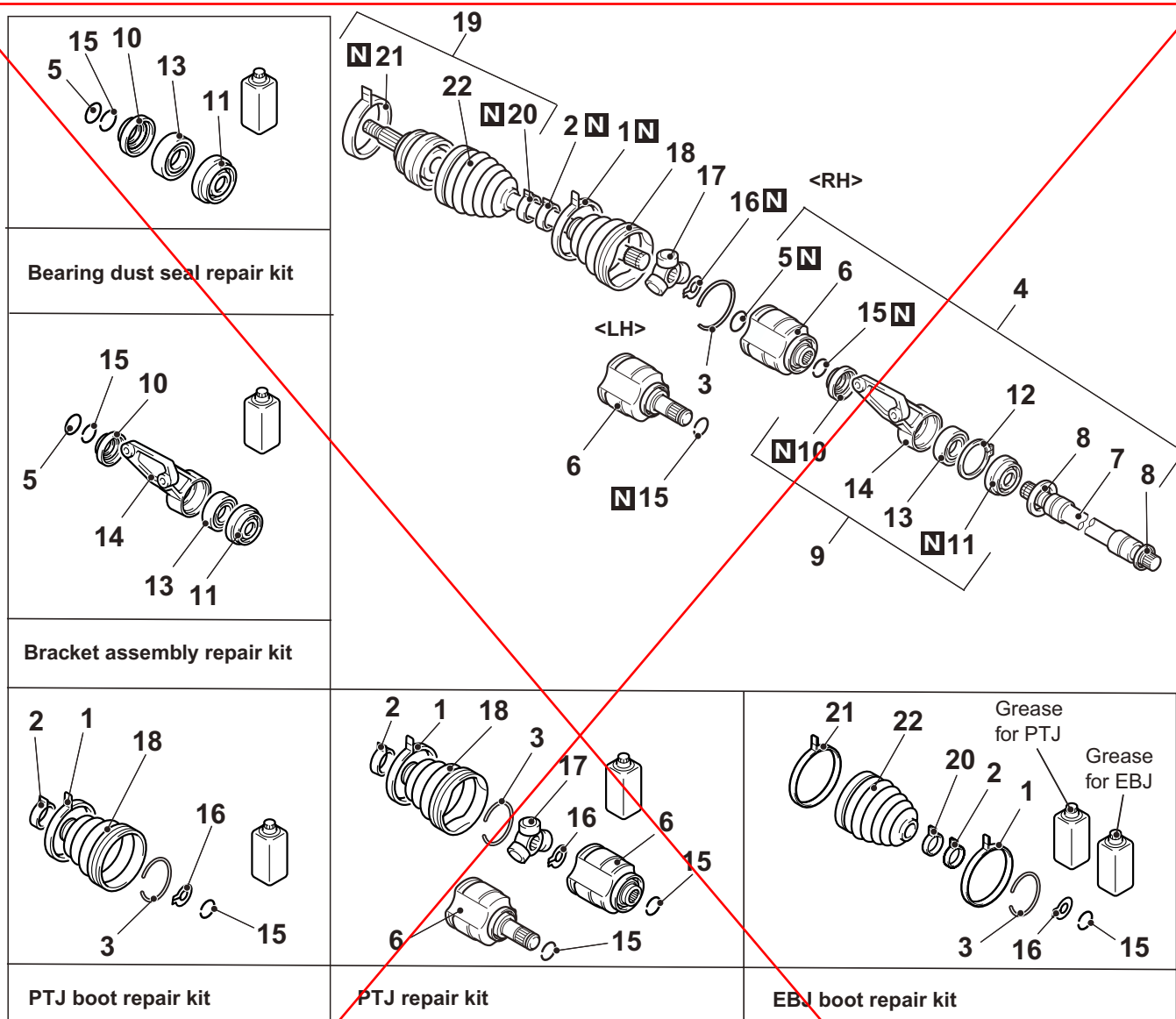
DISASSEMBLY AND REASSEMBLY

<2WD>

CAUTION

As for the EBJ assembly, only the EBJ boot can be replaceable, and other parts cannot be disassembled.

<Old>



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Disassembly steps

- >>H<< 1. PTJ boot band (large)
 >>H<< 2. PTJ boot band (small)
 <<A>> >>G<< 3. Circlip
 <> >>G<< 4. PTJ case/Inner shaft assembly
 <<C>> >>G<< 5. Seal plate
 <<D>> >>F<< 6. PTJ case
 >>E<< 7. Inner shaft
 >>E<< 8. Dust cover
 >>E<< 9. Bracket assembly
 >>E<< 10. Dust seal outer
 >>E<< 11. Dust seal inner

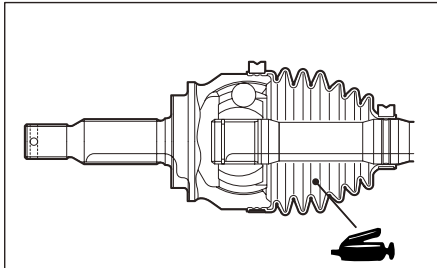
Disassembly steps

- <<E>> >>D<< 12. Snap ring
 <<E>> >>D<< 13. Centre bearing
 <<E>> >>D<< 14. Centre bearing bracket
 <<E>> >>D<< 15. Circlip
 <<E>> >>D<< 16. Snap ring
 <<E>> >>D<< 17. Spider assembly
 <<F>> >>B<< 18. PTJ boot
 <<F>> >>B<< 19. EBJ assembly
 <<F>> >>B<< 20. EBJ boot band (small)
 <<F>> >>B<< 21. EBJ boot band (large)
 >>A<< 22. EBJ boot

<New>

From Attached sheet 14

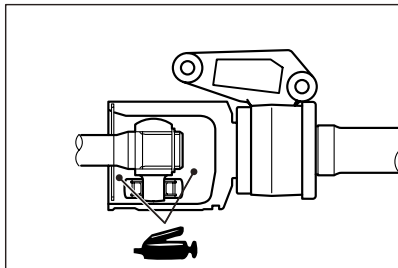
LUBRICATION POINTS



Grease: Repair kit grease
Amount used: 120 ± 10 g

CAUTION

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

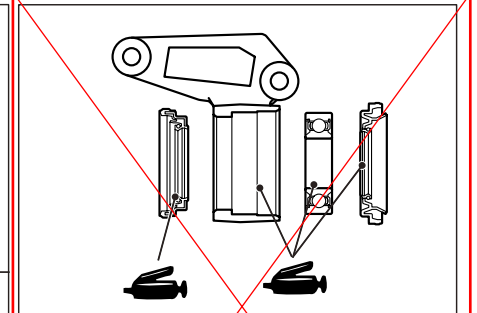


Grease: Repair kit grease
Amount used: 210 ± 10 g <LH>, 225 ± 10 g <RH>

CAUTION

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

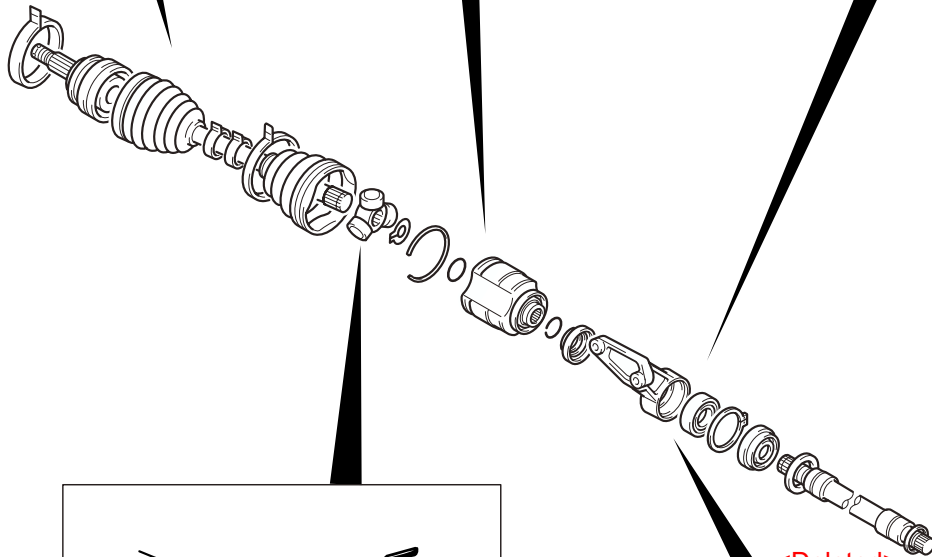
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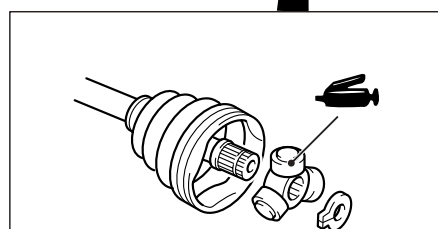
Grease: Repair kit grease
Amount used:
Dust seal inner: 6 - 10 g
Dust seal outer: 3 - 7 g

CAUTION

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



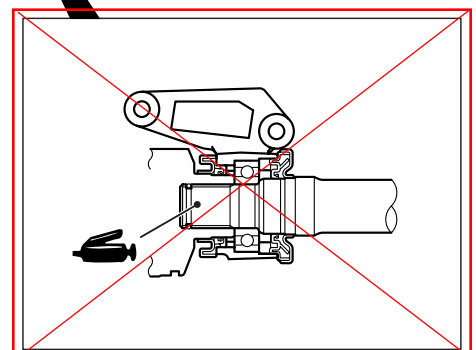
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Grease: Repair kit grease

CAUTION

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



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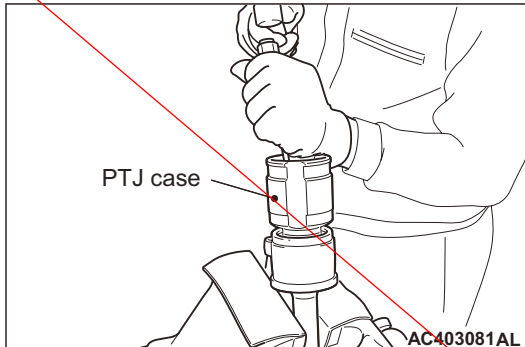
DISASSEMBLY SERVICE POINTS

<<A>>PTJ CASE/INNER SHAFT ASSEMBLY REMOVAL

CAUTION

When removing the PTJ case and inner shaft assembly, be careful not to drop off the roller part of spider assembly, because it easily departs from the spider assembly.

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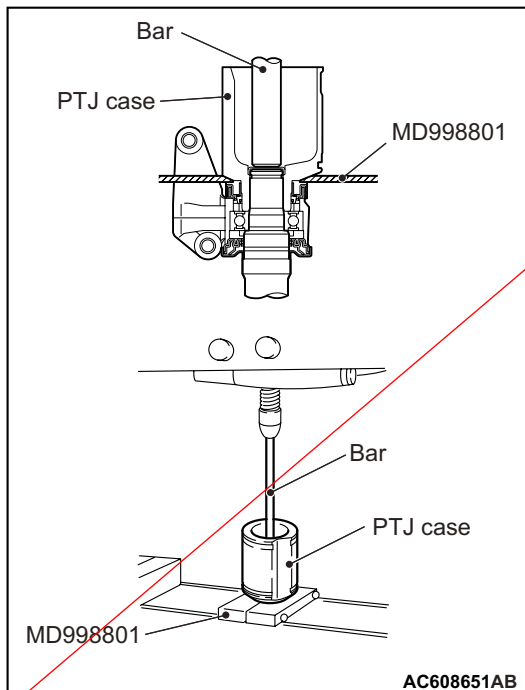


<> SEAL PLATE REMOVAL

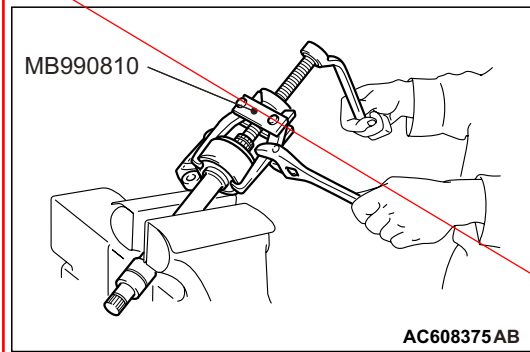
Use a slotted screwdriver to make a hole in the seal plate inside the PTJ case, and remove it.

<<C>> PTJ CASE REMOVAL

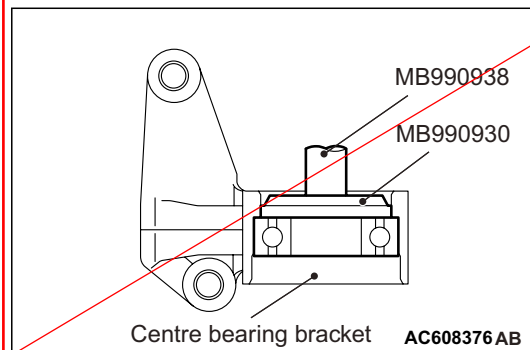
Use special tool remover (MD998801) to remove the PTJ case from the inner shaft assembly.



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**<<D>> INNER SHAFT REMOVAL**

Use special tool side bearing puller (MB990810) to remove the inner shaft from the centre bearing bracket.

**<<E>> CENTRE BEARING REMOVAL**

Use the following special tools to remove the centre bearing from the centre bearing bracket.

- Installer bar (MB990938)
- Installer adapter (MB990930)

<<F>> PTJ BOOT REMOVAL

1. Wipe off grease from the shaft spline.
2. When reusing the PTJ boot, wrap plastic tape around the shaft spline to avoid damaging the boot.

REASSEMBLY SERVICE POINTS**>>A<< EBJ BOOT INSTALLATION**

Wrap plastic tape around the shaft spline, and then install the EBJ boot.

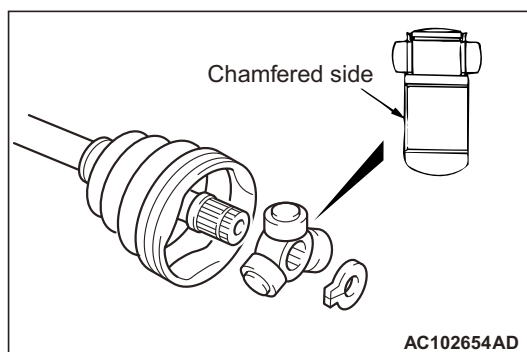
>>B<< PTJ BOOT INSTALLATION

Wrap plastic tape around the shaft spline, and then install the PTJ boot.

>>C<< SPIDER ASSEMBLY INSTALLATION**⚠ CAUTION**

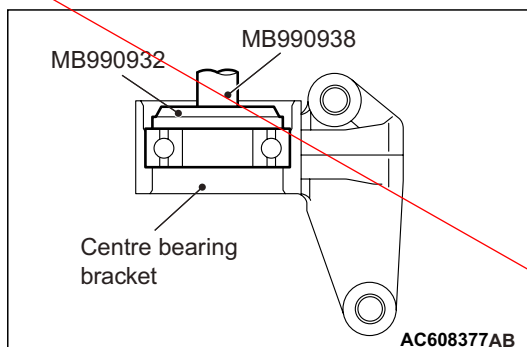
- The drive shaft joint use special grease. Do not mix old and new or different types of grease.
 - If the spider assembly has been cleaned, take special care to apply the specified grease.
1. Apply the specified grease furnished in the repair kit to the spider assembly between the spider axle and the roller.

Specified grease: Repair kit grease



2. Install the spider assembly to the shaft from the direction of the spline chamfered side.

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>>D<<CENTRE BEARING INSTALLATION

Use the following special tools to press-fit the centre bearing into the centre bearing bracket.

- Installer bar (MB990938)
- Installer adapter (MB990932)

>>E<<DUST SEAL INNER/DUST SEAL OUTER INSTALLATION

CAUTION

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

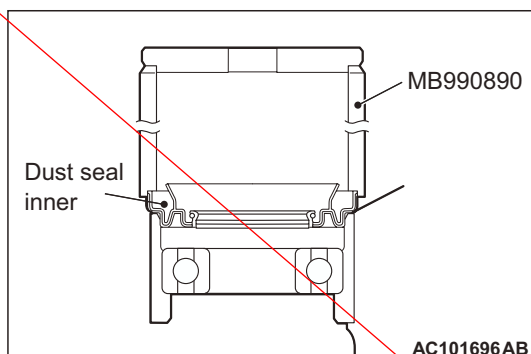
1. Apply the specified grease to the rear surface of all dust seals.

Specified grease: Repair kit grease

Amount used (Dust seal inner): 6 – 10 g

Amount used (Dust seal outer): 3 – 7 g

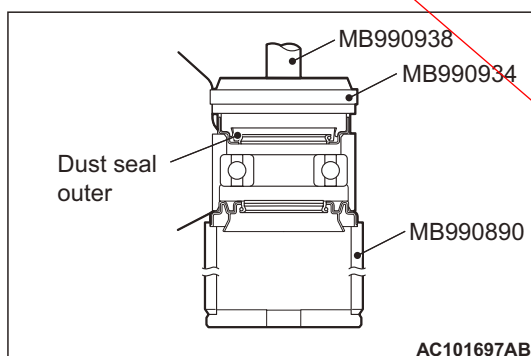
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2. Use the following special tools to press the dust seals into the centre bearing bracket until they are flush with each other.

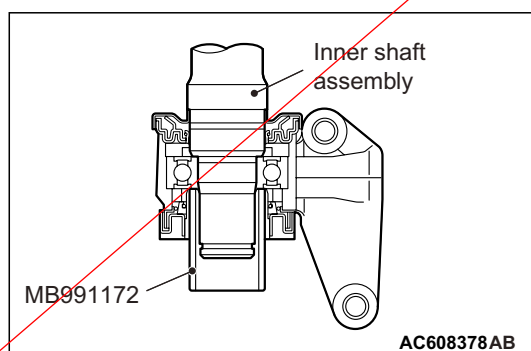
- Rear suspension bush base (MB990890)
- Installer bar (MB990938)
- Installer adapter (MB990934)

3. Apply repair kit grease to the lip of each dust seal.



>>F<<INNER SHAFT INSTALLATION

Use special tool inner shaft installer base (MB991172) to hold the centre bearing inner race, and then press-in the inner shaft.



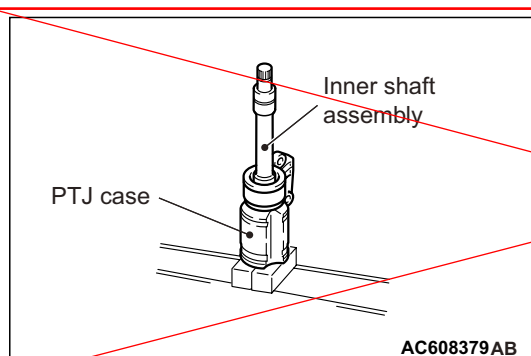
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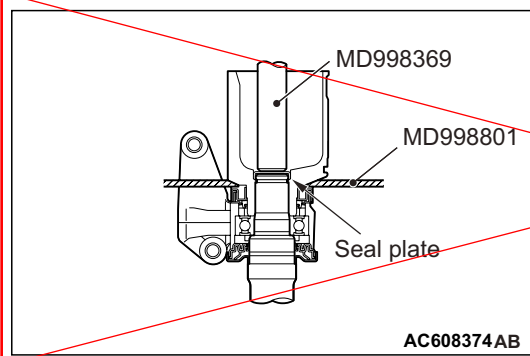
>>G<<SEAL PLATE/PTJ CASE/INNER SHAFT ASSEMBLY INSTALLATION

1. Apply repair kit grease to the inner shaft spline, then press fit it into the PTJ case.

NOTE: When press-fitting the inner shaft into the PTJ case, apply a thin coat of repair kit grease to the dust seal outer lip part and the outside edge of the PTJ axial part.



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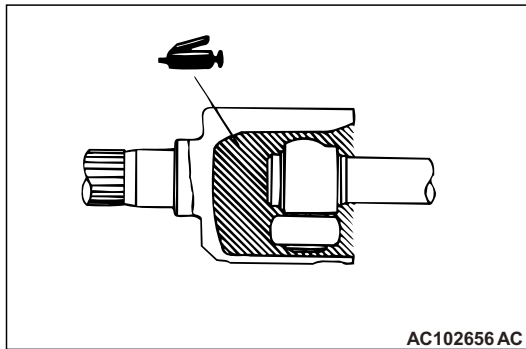


2. Use the following special tools to press in the seal plate.

- Bearing installer (MD998369)
- Remover (MD998801)

CAUTION

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



3. After applying the specified grease to the PTJ case, insert the driveshaft and apply grease again.

Specified grease: Repair kit grease

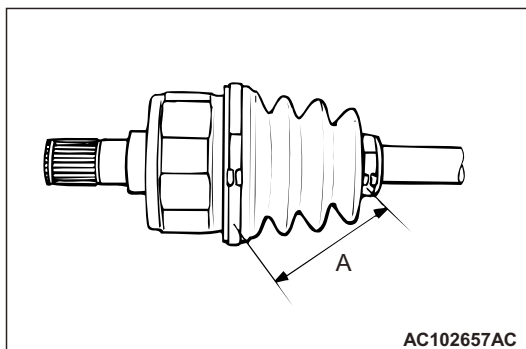
Amount to use: 210 ± 10 g <LH>, 225 ± 10 g <RH>

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

>>H<< PTJ BOOT BAND (SMALL)/PTJ BOOT BAND (LARGE) INSTALLATION

Set the PTJ boot bands at the specified distance in order to adjust the amount of air inside the PTJ boot, and then tighten the PTJ boot band (small), PTJ boot band (large) securely.

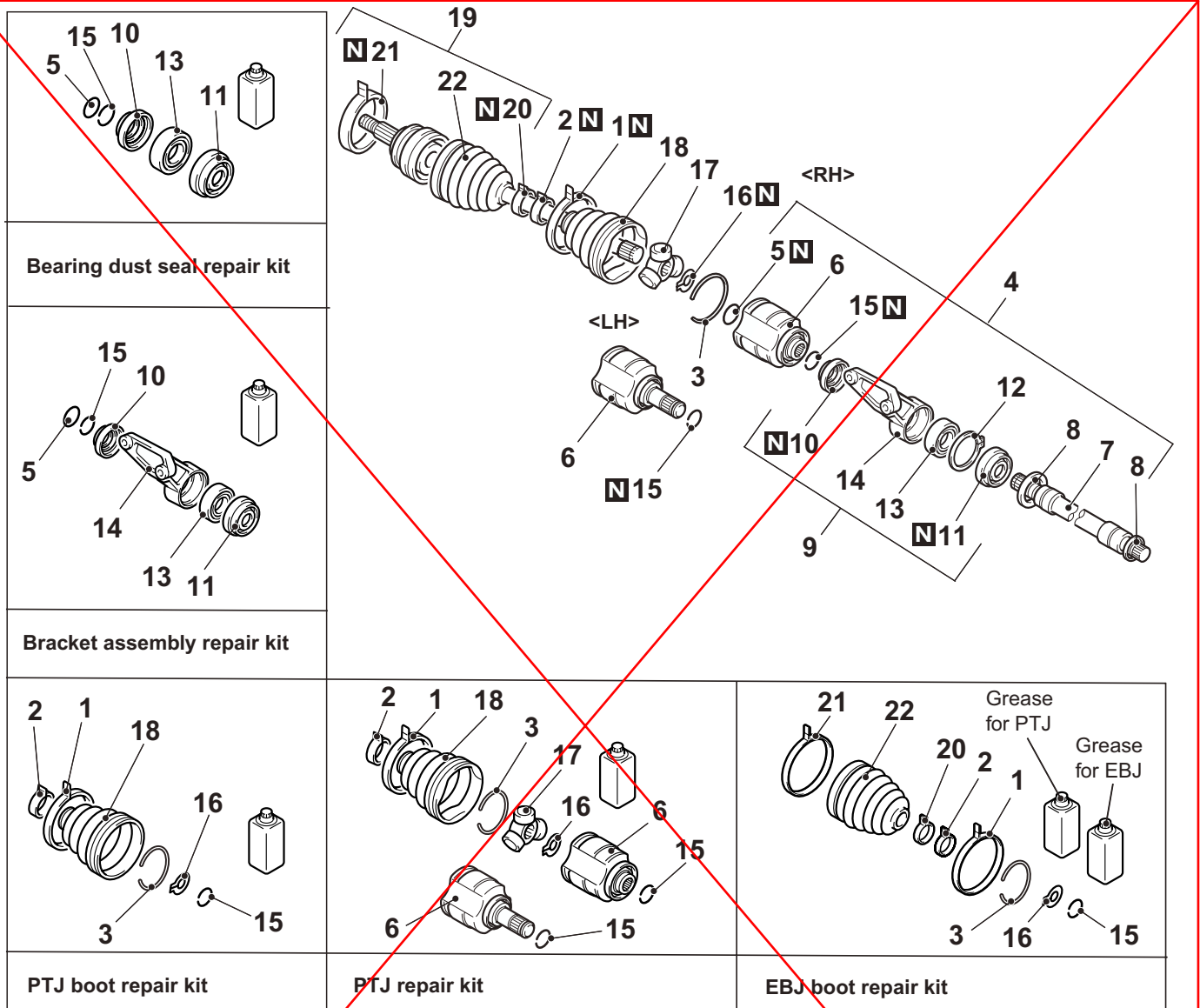
Standard value (A): 85 ± 3 mm



DISASSEMBLY AND REASSEMBLY**<2WD-2400>****CAUTION**

As for the EBJ assembly, only the EBJ boot can be replaceable, and other parts cannot be disassembled.

<Old>



AC608339AF

Disassembly steps

- >>H<< 1. PTJ boot band (large)
 >>H<< 2. PTJ boot band (small)
 <<A>> >>G<< 3. Circlip
 <> >>G<< 4. PTJ case/Inner shaft assembly
 <<C>> >>G<< 5. Seal plate
 <<D>> >>F<< 6. PTJ case
 >>E<< 7. Inner shaft
 >>E<< 8. Dust cover
 >>E<< 9. Bracket assembly
 >>E<< 10. Dust seal outer
 >>E<< 11. Dust seal inner

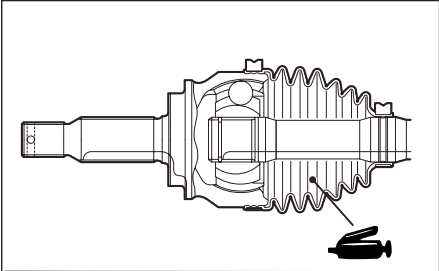
Disassembly steps

- <<E>> >>D<< 12. Snap ring
 <<E>> >>D<< 13. Centre bearing
 <<E>> >>D<< 14. Centre bearing bracket
 <<E>> >>D<< 15. Circlip
 <<E>> >>D<< 16. Snap ring
 <<E>> >>D<< 17. Spider assembly
 <<F>> >>B<< 18. PTJ boot
 <<F>> >>B<< 19. EBJ assembly
 <<F>> >>B<< 20. EBJ boot band (small)
 <<F>> >>B<< 21. EBJ boot band (large)
 >>A<< 22. EBJ boot

<New>

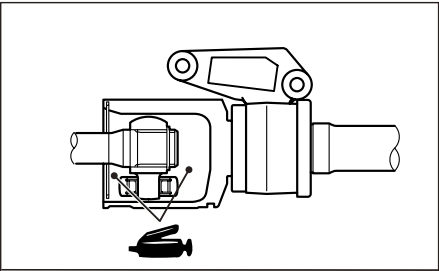
From Attached sheet 14

LUBRICATION POINTS



Grease: Repair kit grease
Amount used: 120 ± 10 g

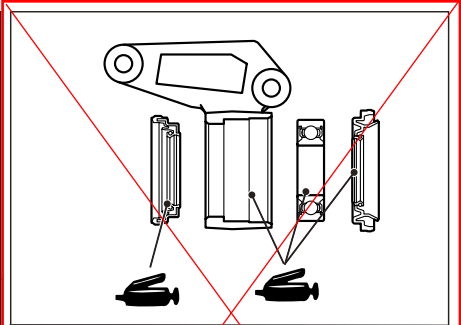
CAUTION
The drive shaft joint uses special grease. do not mix old and new or different types of grease.



Grease: Repair kit grease
Amount used: 210 ± 10 g <LH>, 225 ± 10 g <RH>

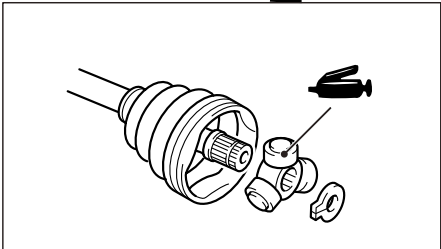
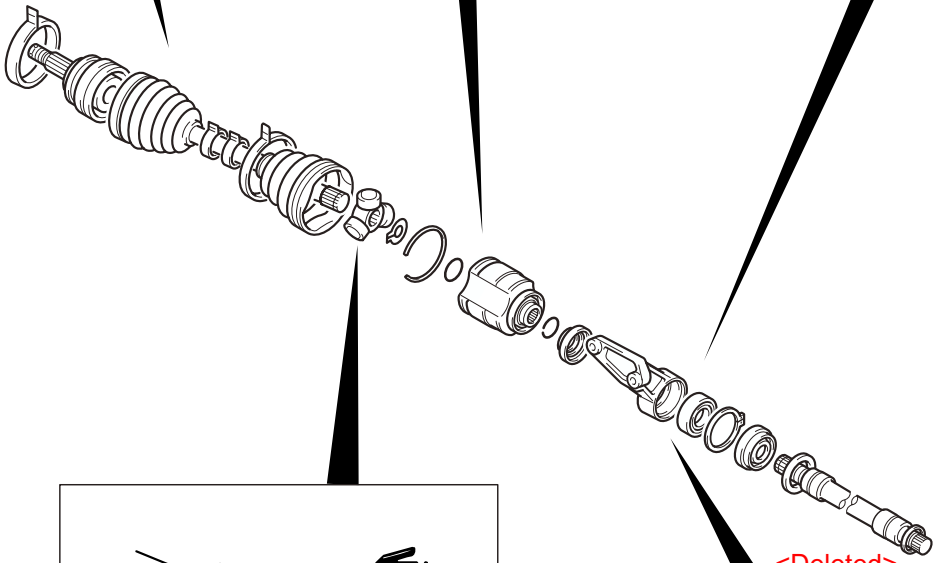
CAUTION
The drive shaft joint uses special grease. do not mix old and new or different types of grease.

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Grease: Repair kit grease
Amount used:
Dust seal inner: 6 - 10 g
Dust seal outer: 3 - 7 g

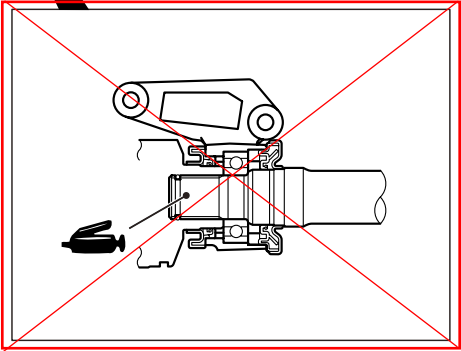
CAUTION
The drive shaft joint uses special grease. do not mix old and new or different types of grease.



Grease: Repair kit grease

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

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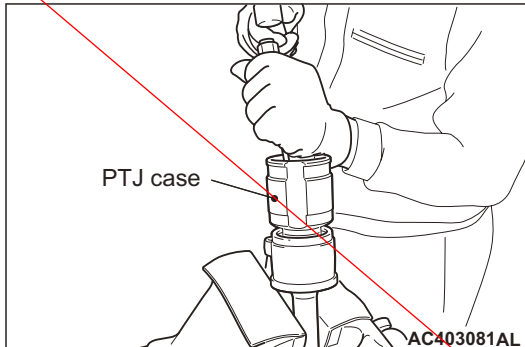
DISASSEMBLY SERVICE POINTS

<<A>>PTJ CASE/INNER SHAFT ASSEMBLY REMOVAL

CAUTION

When removing the PTJ case and inner shaft assembly, be careful not to drop off the roller part of spider assembly, because it easily departs from the spider assembly.

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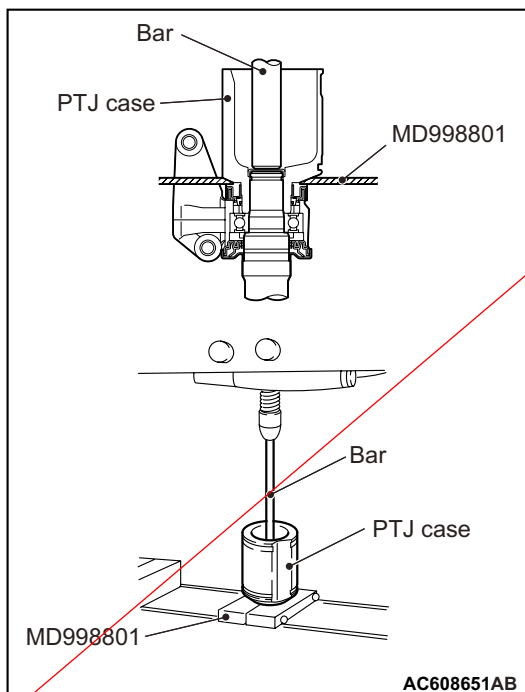


<> SEAL PLATE REMOVAL

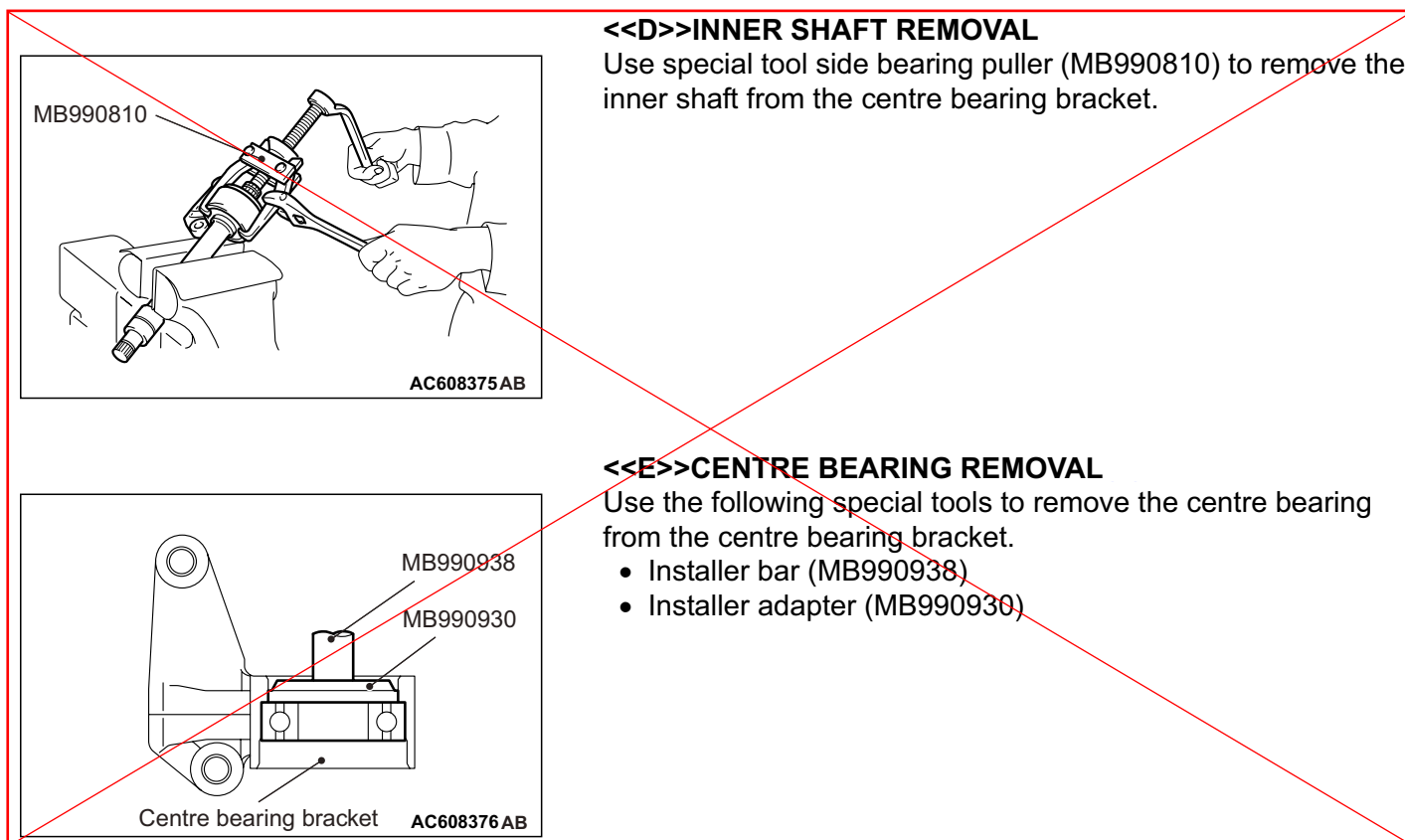
Use a slotted screwdriver to make a hole in the seal plate inside the PTJ case, and remove it.

<<C>> PTJ CASE REMOVAL

Use special tool remover (MD998801) to remove the PTJ case from the inner shaft assembly.



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**<<F>> PTJ BOOT REMOVAL**

1. Wipe off grease from the shaft spline.
2. When reusing the PTJ boot, wrap plastic tape around the shaft spline to avoid damaging the boot.

REASSEMBLY SERVICE POINTS**>>A<< EBJ BOOT INSTALLATION**

Wrap plastic tape around the shaft spline, and then install the EBJ boot.

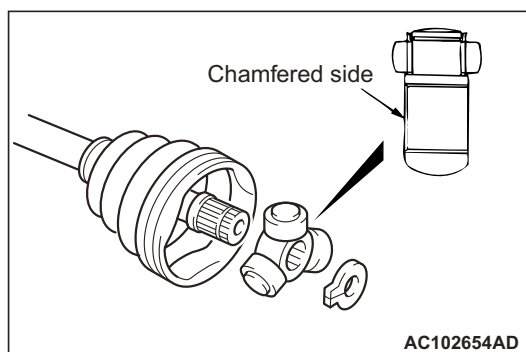
>>B<< PTJ BOOT INSTALLATION

Wrap plastic tape around the shaft spline, and then install the PTJ boot.

>>C<< SPIDER ASSEMBLY INSTALLATION**⚠ CAUTION**

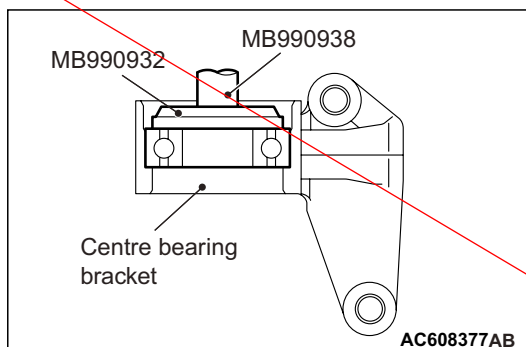
- The drive shaft joint use special grease. Do not mix old and new or different types of grease.
 - If the spider assembly has been cleaned, take special care to apply the specified grease.
1. Apply the specified grease furnished in the repair kit to the spider assembly between the spider axle and the roller.

Specified grease: Repair kit grease



2. Install the spider assembly to the shaft from the direction of the spline chamfered side.

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**>>D<<CENTRE BEARING INSTALLATION**

Use the following special tools to press-fit the centre bearing into the centre bearing bracket.

- Installer bar (MB990938)
- Installer adapter (MB990932)

>>E<<DUST SEAL INNER/DUST SEAL OUTER INSTALLATION**⚠ CAUTION**

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

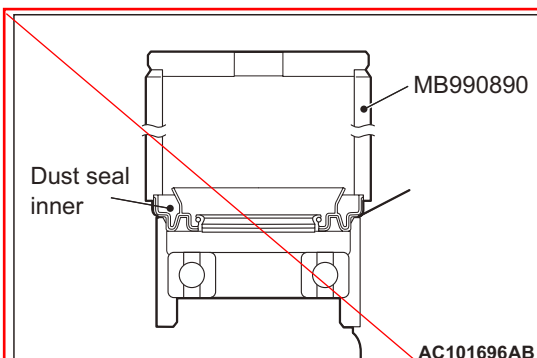
1. Apply the specified grease to the rear surface of all dust seals.

Specified grease: Repair kit grease

Amount used (Dust seal inner): 6 – 10 g

Amount used (Dust seal outer): 3 – 7 g

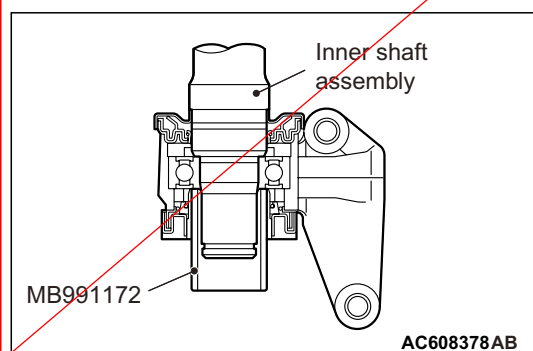
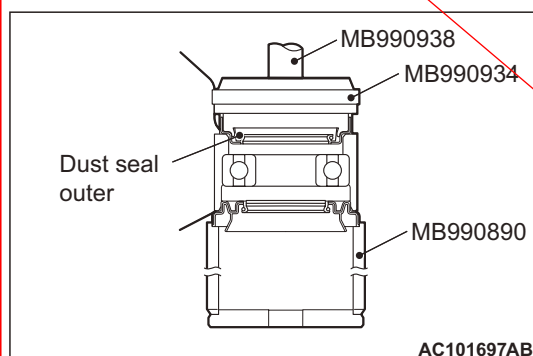
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2. Use the following special tools to press the dust seals into the centre bearing bracket until they are flush with each other.

- Rear suspension bush base (MB990890)
- Installer bar (MB990938)
- Installer adapter (MB990934)

3. Apply repair kit grease to the lip of each dust seal.



>>F<<INNER SHAFT INSTALLATION

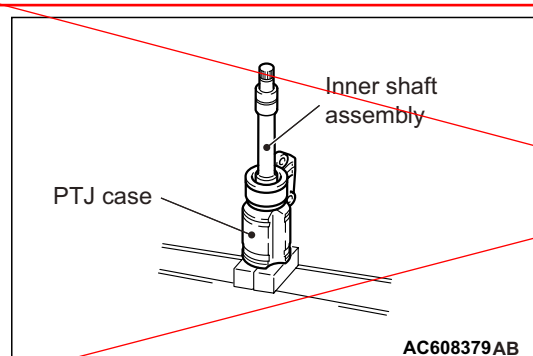
Use special tool inner shaft installer base (MB991172) to hold the centre bearing inner race, and then press-in the inner shaft.

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>>G<<SEAL PLATE/PTJ CASE/INNER SHAFT ASSEMBLY INSTALLATION

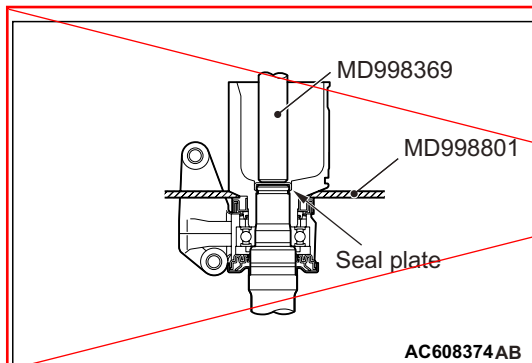
1. Apply repair kit grease to the inner shaft spline, then press fit it into the PTJ case.

NOTE: When press-fitting the inner shaft into the PTJ case, apply a thin coat of repair kit grease to the dust seal outer lip part and the outside edge of the PTJ axial part.



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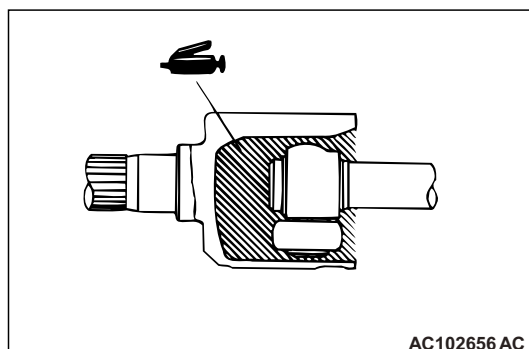


2. Use the following special tools to press in the seal plate.

- Bearing installer (MD998369)
- Remover (MD998801)

CAUTION

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



3. After applying the specified grease to the PTJ case, insert the driveshaft and apply grease again.

Specified grease: Repair kit grease

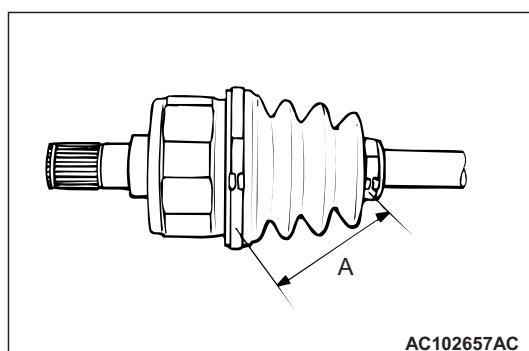
Amount to use: 210 ± 10 g <LH>, 225 ± 10 g <RH>

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

>>H<< PTJ BOOT BAND (SMALL)/PTJ BOOT BAND (LARGE) INSTALLATION

Set the PTJ boot bands at the specified distance in order to adjust the amount of air inside the PTJ boot, and then tighten the PTJ boot band (small), PTJ boot band (large) securely.

Standard value (A): 85 ± 3 mm



DISASSEMBLY AND REASSEMBLY
<VEHICLES FOR EUROPE (EXCEPT FOR
RUSSIA): 2000-RH>

CAUTION

As for the EBJ assembly, only the EBJ boot can be replaceable, and other parts cannot be disassembled.

<Old>

Bearing dust seal repair kit

Bracket assembly repair kit

EDJ boot repair kit

21, 24, 22, 2, 1, 18, 3, 17, 16, 5, 6, 15, 4, 12, 8, 7, 8, 9, 14, 13, 11, 10, 19, 20, 23

EDJ repair kit

EBJ boot repair kit

>>G<< 1. EDJ boot band (large)

>>G<< 2. EDJ boot band (small)

>>F<< 3. Circlip

>>F<< 4. EDJ case and inner shaft assembly

>>F<< 5. Seal plate

>>F<< 6. EDJ case

>>E<< 7. Inner shaft

>>E<< 8. Dust cover

>>D<< 9. Bracket assembly

>>D<< 10. Dust seal outer

>>D<< 11. Dust seal inner

>>C<< 12. Snap ring

>>C<< 13. Centre bearing

>>C<< 14. Bracket

>>C<< 15. Circlip

>>C<< 16. Snap ring

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<New>

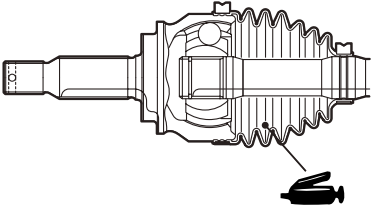
From Attached sheet 15

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Disassembly steps

- | | | | |
|-------|-------|-----|-----------------------|
| <<E>> | >>B<< | 17. | EDJ assembly |
| <<F>> | >>A<< | 18. | EDJ boot |
| | >>A<< | 19. | Damper band |
| | >>A<< | 20. | Dynamic damper |
| | | 21. | EBJ assembly |
| | | 22. | EBJ boot band (small) |
| | | 23. | EBJ boot band (large) |
| | >>A<< | 24. | EBJ boot |

LUBRICATION POINTS

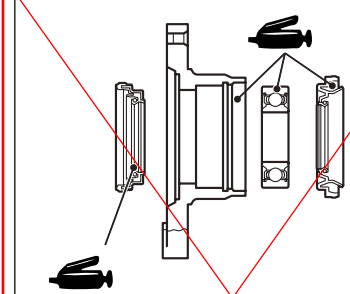


Grease: Repair kit grease amount used: 140 ± 10 g

 **CAUTION**


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

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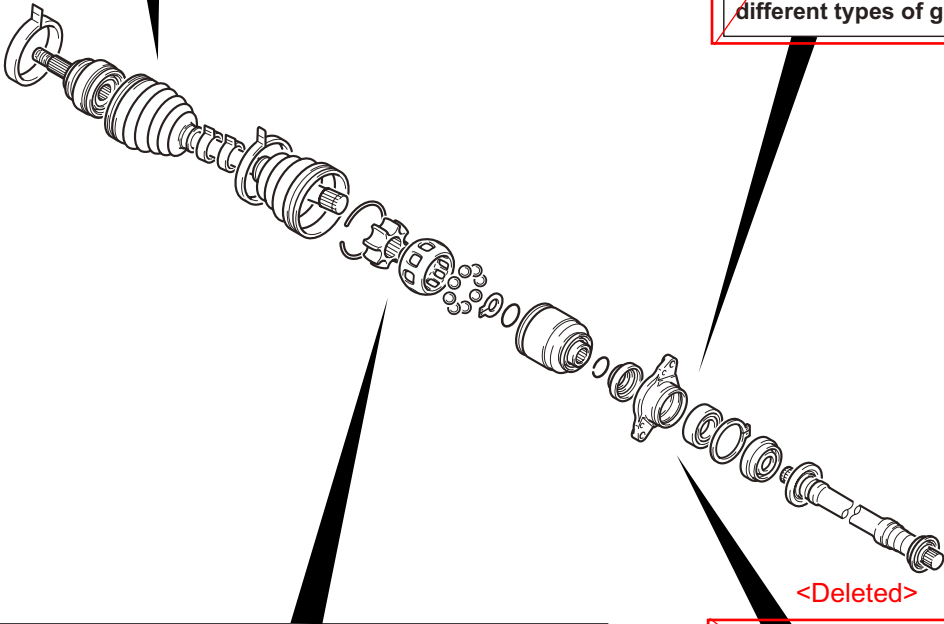


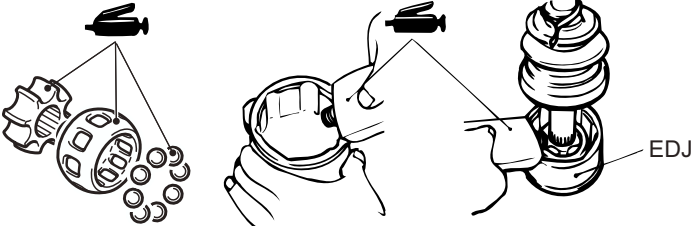
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Grease: Repair kit grease amount used:
Dust seal inner: 6 - 10 g
Dust seal outer: 3 - 7 g


 **CAUTION**

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



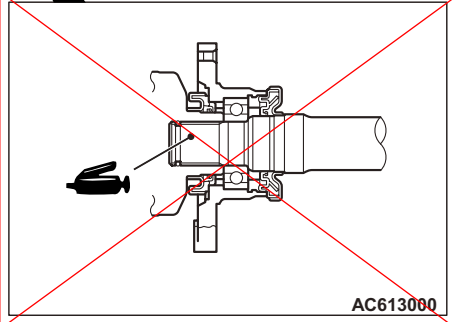


Grease: repair kit grease
Quantity: 160 ± 10 g

 **CAUTION**

Do not mix old and new or different types of grease, as a special grease is used in the joint.

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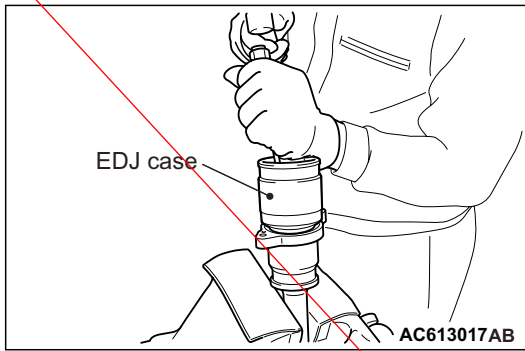
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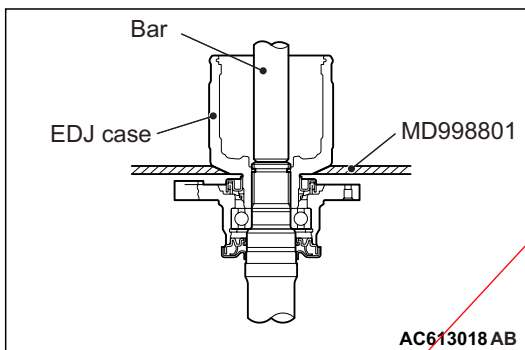
DISASSEMBLY SERVICE POINTS**<<A>> SEAL PLATE REMOVAL**

Use a slotted screwdriver to make a hole in the seal plate inside the EDJ case.

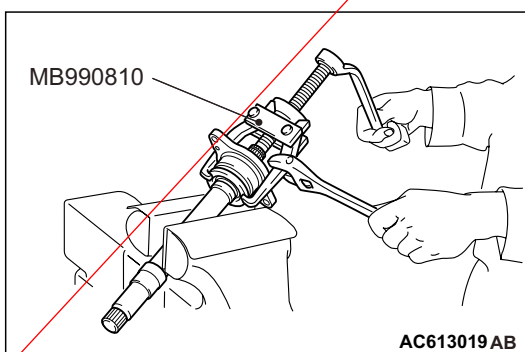
**<> EDJ CASE REMOVAL****CAUTION**

Do not disassemble the spider assembly.

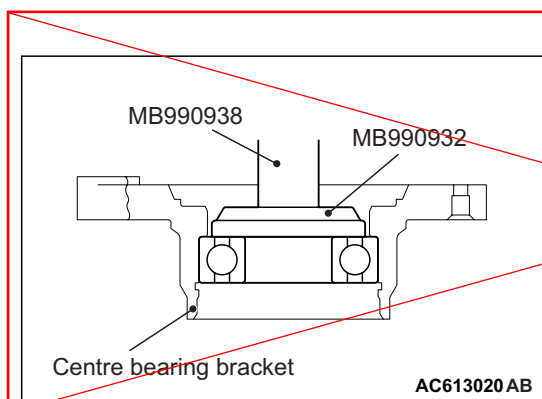
1. Wipe off grease from the spider assembly and the inside of the EDJ case.
2. Always clean the spider assembly when the grease contains water or foreign material.
3. Use special tool remover (MD998801) to remove the EDJ case from the inner shaft assembly.

**<<C>> INNER SHAFT REMOVAL**

Use special tool side bearing puller (MB990810) to remove the centre bearing bracket from the inner shaft.

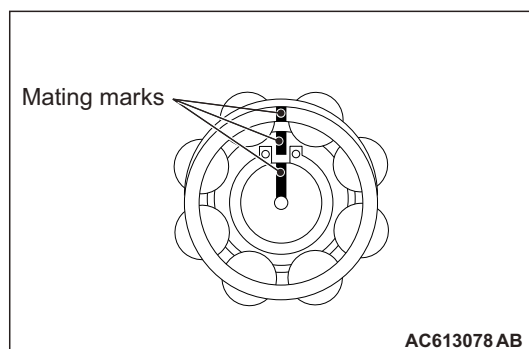


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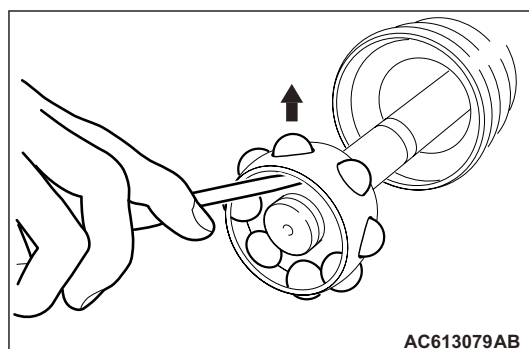
**<<D>> CENTRE BEARING REMOVAL**

Use the following special tools to remove the centre bearing from the centre bearing bracket.

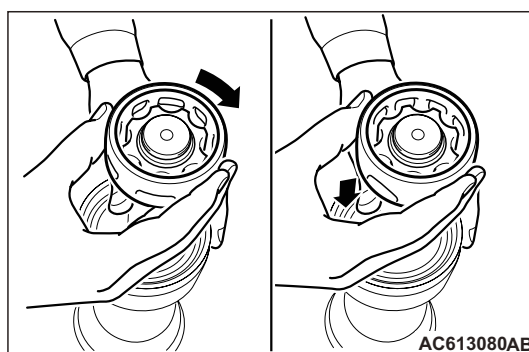
- Installer adapter (MB990932)
- Installer bar (MB990938)

**<<E>> EDJ ASSEMBLY REMOVAL**

1. Make mating marks among driveshaft, EDJ inner race and EDJ case.



2. Remove the balls from the EDJ case.



3. After turning the EDJ cage as shown, remove the EDJ cage toward the EBJ side.

<<F>> EDJ BOOT REMOVAL

1. Wipe off grease from the shaft spline.
2. Wrap plastic tape around the shaft spline to avoid damaging the boot.

REASSEMBLY SERVICE POINTS

>>A<< EBJ BOOT/DYNAMIC DAMPER/DAMPER BAND/EDJ BOOT INSTALLATION

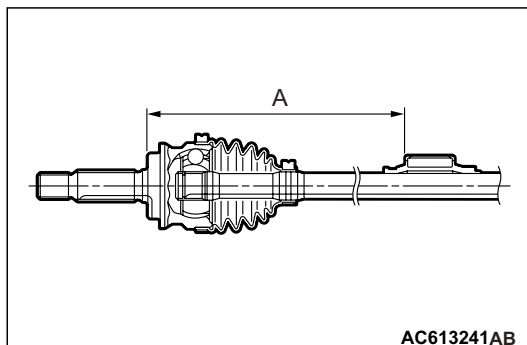
CAUTION

There should be no grease adhered to the rubber part of the dynamic damper.

1. Install the dynamic damper in the position (L) shown in the figure .

L: 240 ± 3 mm

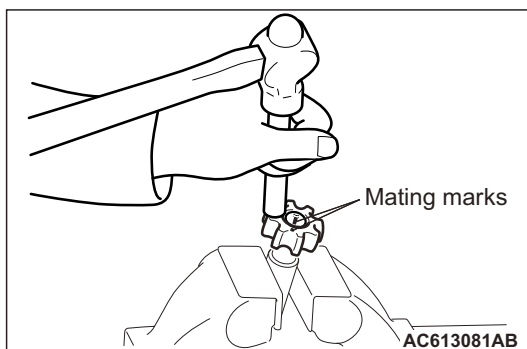
2. Secure the damper bands.
3. Wrap plastic tape around the shaft spline, and then install the EBJ boot and EDJ boot.



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>>B<< EDJ ASSEMBLY INSTALLATION

1. Aligning the mating marks between EDJ inner race and driveshaft, install EDJ cage to driveshaft.
2. Use special tool remover bar (MB990939) to tap evenly the inner race until it will stop.



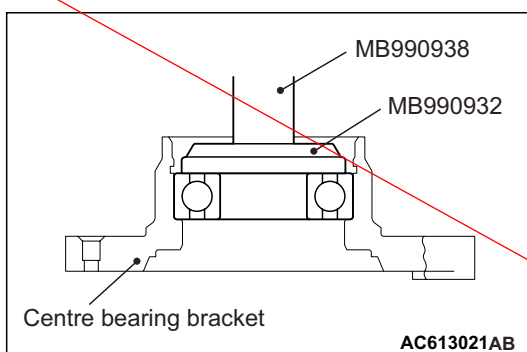
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>>C<< CENTRE BEARING INSTALLATION

Use the following special tools to press-fit the centre bearing into the centre bearing bracket.

- Installer adapter (MB990932)
- Installer bar (MB990938)



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>>D<< DUST SEAL INNER/DUST SEAL OUTER INSTALLATION

CAUTION

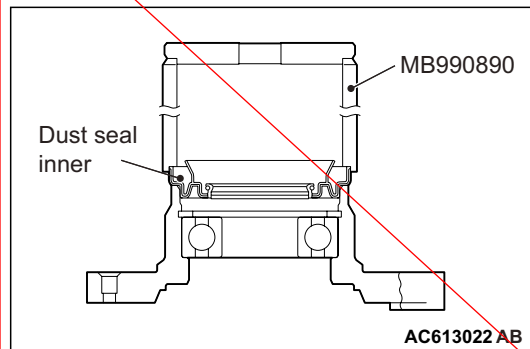
When applying grease, make sure that it does not adhere to anything outside the lip.

1. Apply the specified grease to the rear surface of all dust seals.

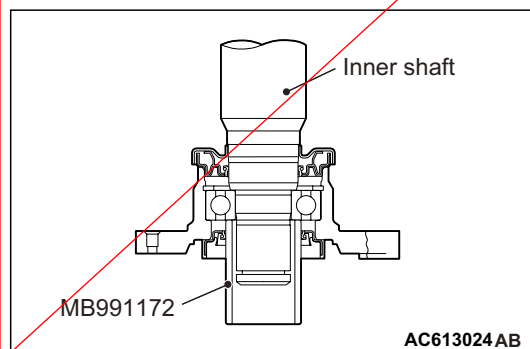
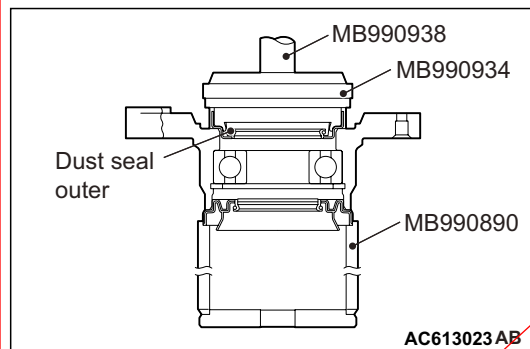
Specified grease: Repair kit grease

Amount used:

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**Dust seal inner: 6 – 10 g****Amount used:****Dust seal outer: 3 – 7 g**

2. Use the following special tools to press the dust seals into the centre bearing bracket until they are flush with each other.
 - Rear suspension bushing base (MB990890)
 - Installer bar (MB990938)
 - Installer adapter (MB990934)
3. Apply repair kit grease to the lip of each dust seal.

**>>E<< INNER SHAFT INSTALLATION**

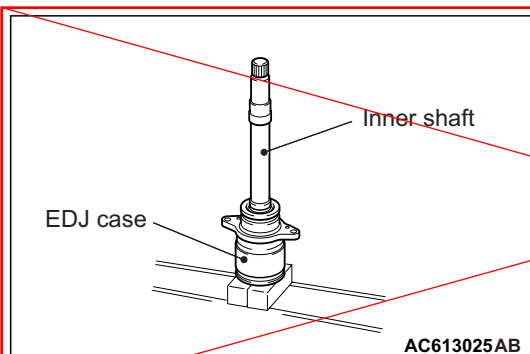
1. Use special tool inner shaft installer base (MB991172) to hold the centre bearing inner race, and then press-in the inner shaft.

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>>F<< SEAL PLATE/EDJ CASE AND INNER SHAFT ASSEMBLY INSTALLATION

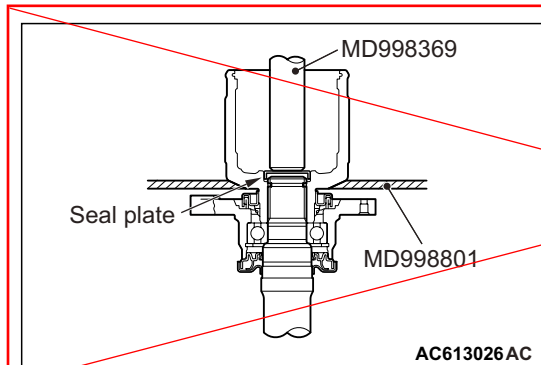
1. Apply repair kit grease to the inner shaft spline, then press-fit it into the EDJ case.

NOTE: When press-fitting the inner shaft into the EDJ case, apply a thin coat of repair kit grease to the dust seal outer lip part and the outside edge of the EDJ axial part.



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2. Use the following special tools to install the seal plate.
- Bearing installer (MD998369)
 - Remover (MD998801)

CAUTION

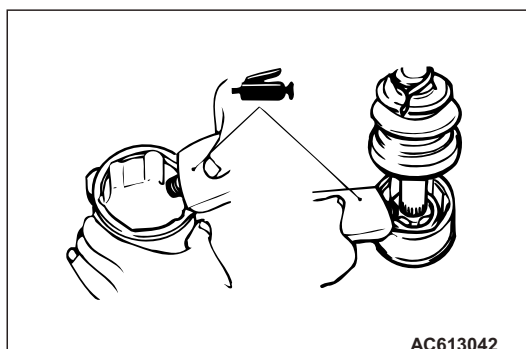
The driveshaft joint use special grease. Do not mix old and new or different types of grease.

3. After applying the specified grease the EDJ case, insert the driveshaft and apply grease one more time.

Specified grease: Repair kit grease

Amount to use: 160 ± 10 g

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

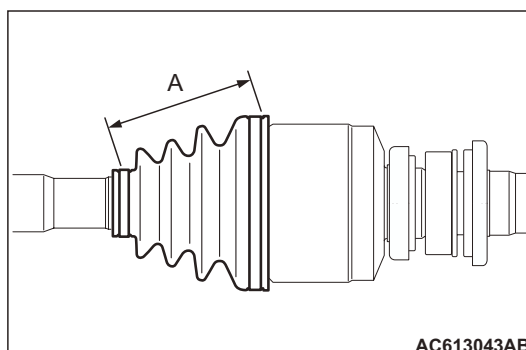


>>G<< EDJ BOOT BAND (SMALL)/EDJ BOOT BAND (LARGE) INSTALLATION

Set the EDJ boot bands at the specified distance in order to adjust the amount of air inside the EDJ boot, and then tighten the EDJ boot band (small), EDJ boot band (large) securely.

Standard value (A):

90 ± 3 mm



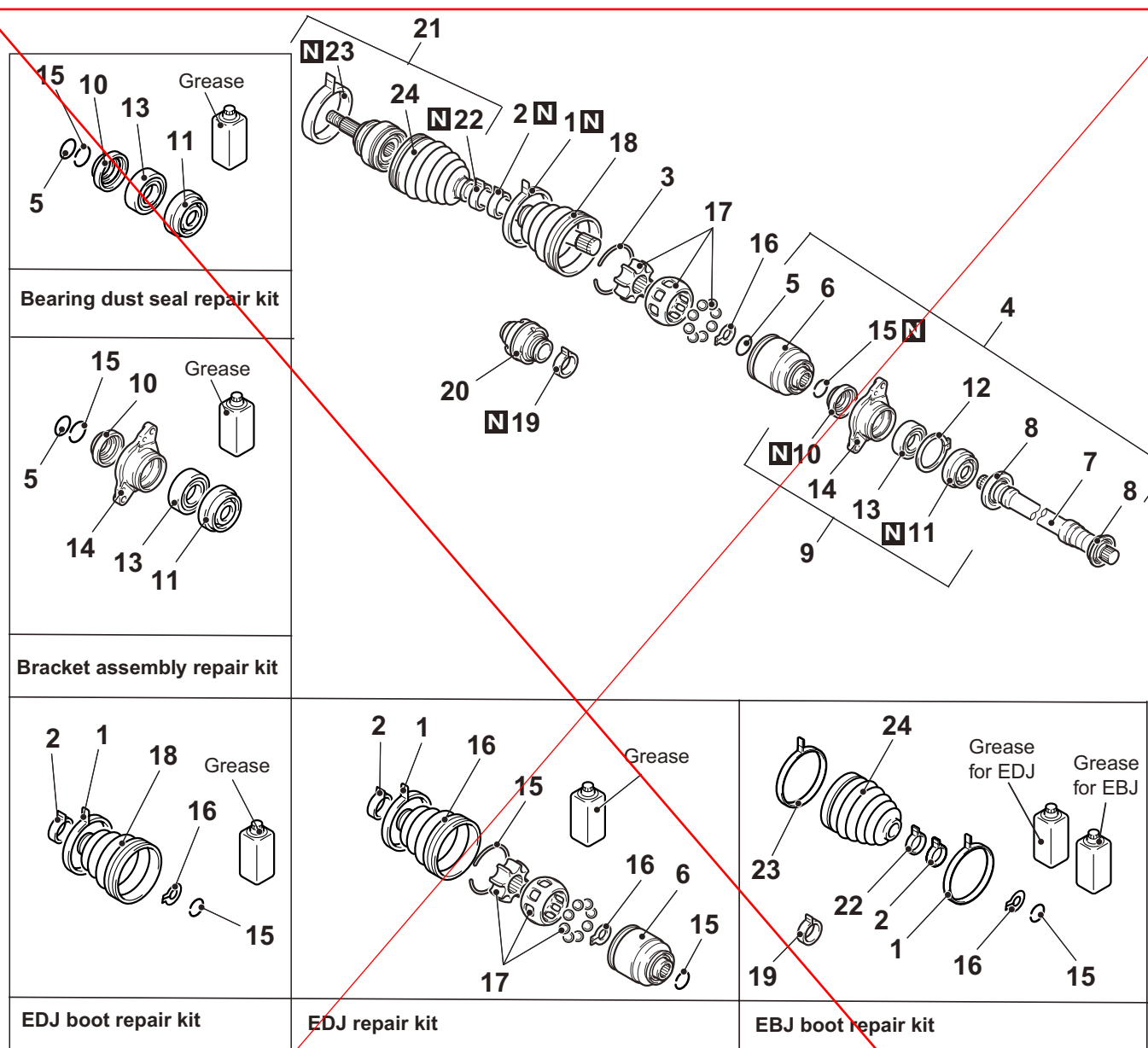
DISASSEMBLY AND REASSEMBLY

<2WD: 2000-RH>

CAUTION

As for the EBJ assembly, only the EBJ boot can be replaceable, and other parts cannot be disassembled.

<Old>



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Disassembly steps

- >>G<< 1. EDJ boot band (large)
>>G<< 2. EDJ boot band (small)
3. Circlip
>>F<< 4. EDJ case and inner shaft assembly
<<A>> >>F<< 5. Seal plate
<> 6. EDJ case
<<C>> >>E<< 7. Inner shaft
8. Dust cover
9. Bracket assembly

Disassembly steps

- >>D<< 10. Dust seal outer
>>D<< 11. Dust seal inner
12. Snap ring
>>C<< 13. Centre bearing
14. Bracket
15. Circlip
16. Snap ring
<<E>> >>B<< 17. EDJ assembly
<<F>> >>A<< 18. EDJ boot

<New>

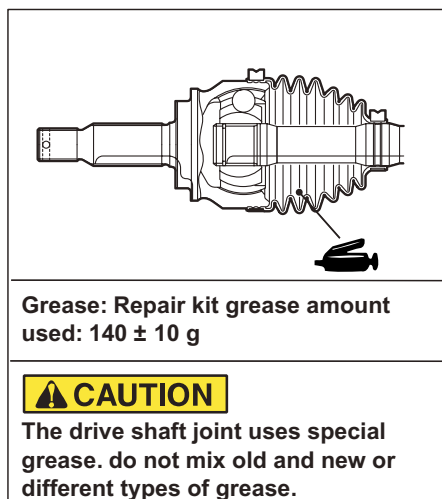
From Attached sheet 15

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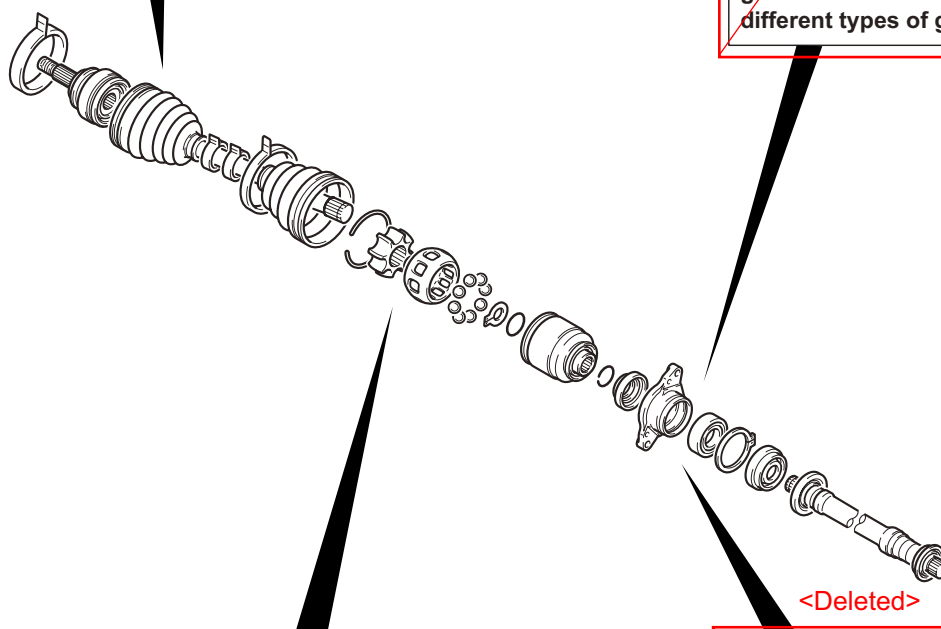
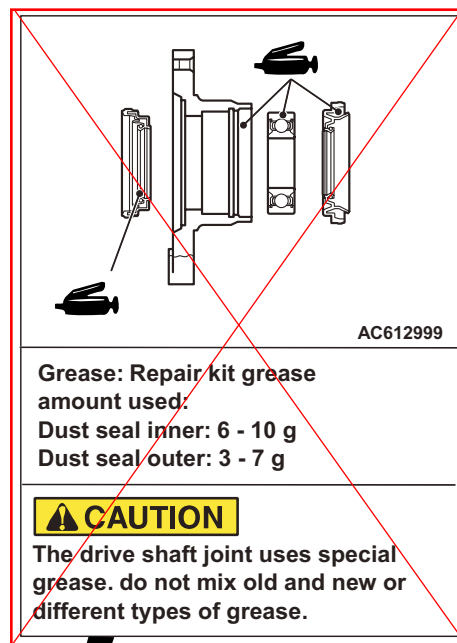
Disassembly steps

- >>A<< 19. Damper band
- >>A<< 20. Dynamic damper
- 21. EBJ assembly
- 22. EBJ boot band (small)
- 23. EBJ boot band (large)
- >>A<< 24. EBJ boot

LUBRICATION POINTS

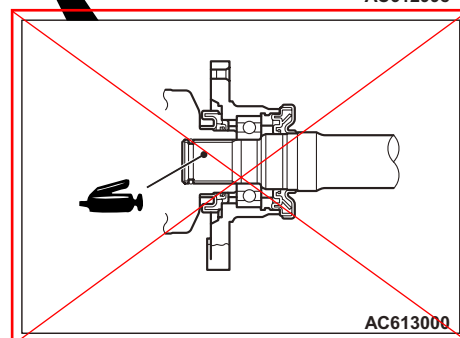
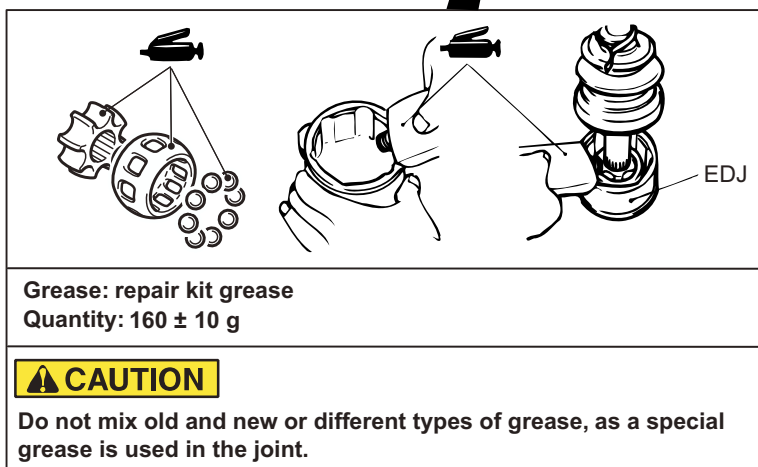


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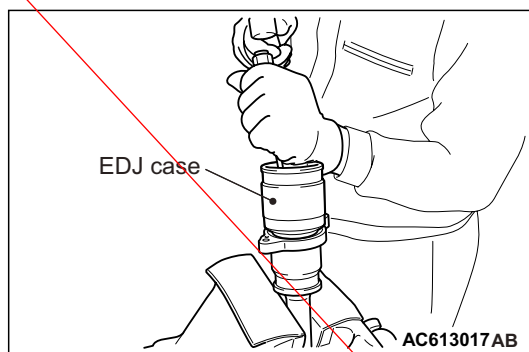
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DISASSEMBLY SERVICE POINTS

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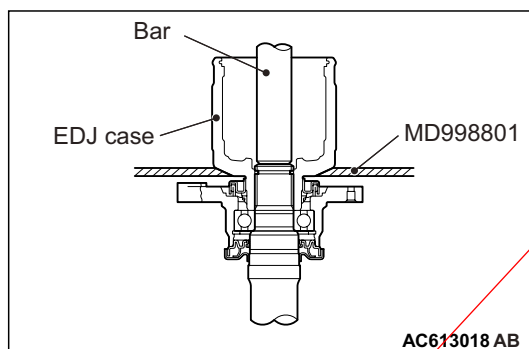
<<A>> SEAL PLATE REMOVAL

Use a slotted screwdriver to make a hole in the seal plate inside the EDJ case.

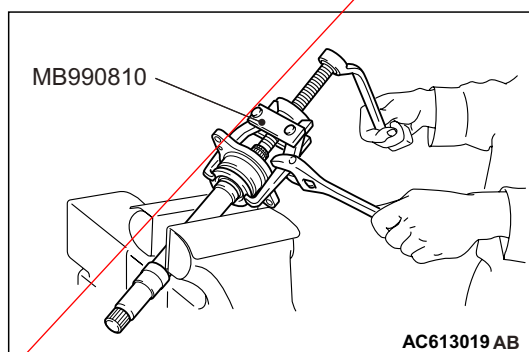
**<> EDJ CASE REMOVAL****CAUTION**

Do not disassemble the spider assembly.

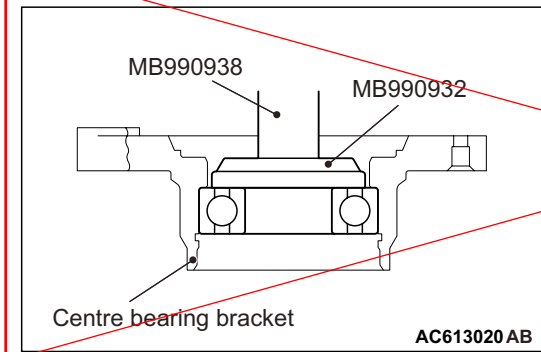
1. Wipe off grease from the spider assembly and the inside of the EDJ case.
2. Always clean the spider assembly when the grease contains water or foreign material.
3. Use special tool remover (MD998801) to remove the EDJ case from the inner shaft assembly.

**<<C>> INNER SHAFT REMOVAL**

Use special tool side bearing puller (MB990810) to remove the centre bearing bracket from the inner shaft.

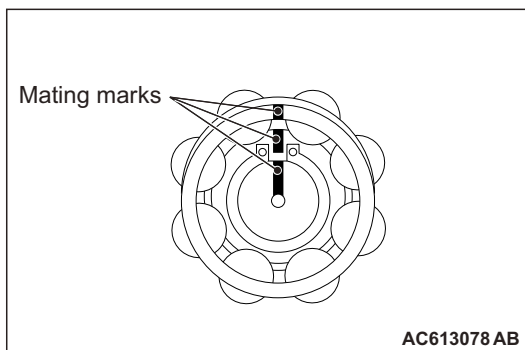


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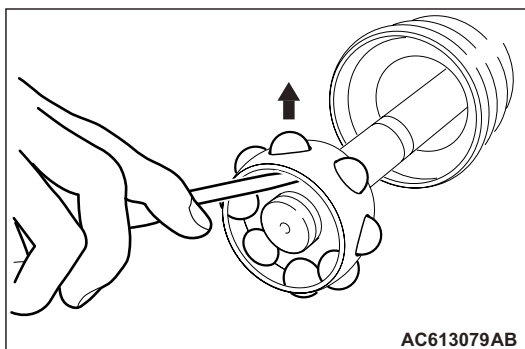
**<<D>> CENTRE BEARING REMOVAL**

Use the following special tools to remove the centre bearing from the centre bearing bracket.

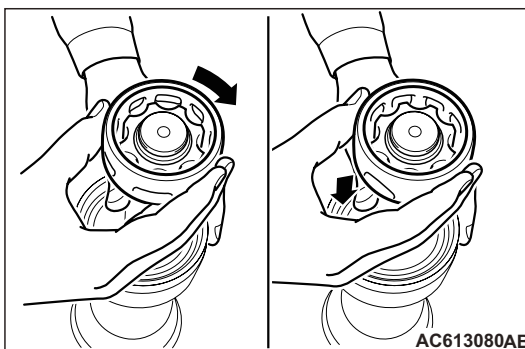
- Installer adapter (MB990932)
- Installer bar (MB990938)

**<<E>> EDJ ASSEMBLY REMOVAL**

1. Make mating marks among driveshaft, EDJ inner race and EDJ case.



2. Remove the balls from the EDJ case.



3. After turning the EDJ cage as shown, remove the EDJ cage toward the EBJ side.

<<F>> EDJ BOOT REMOVAL

1. Wipe off grease from the shaft spline.
2. Wrap plastic tape around the shaft spline to avoid damaging the boot.

REASSEMBLY SERVICE POINTS

>>A<< EBJ BOOT/DYNAMIC DAMPER/DAMPER BAND/EDJ BOOT INSTALLATION

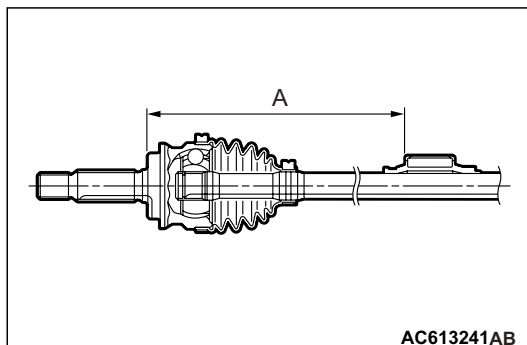
CAUTION

There should be no grease adhered to the rubber part of the dynamic damper.

1. Install the dynamic damper in the position (L) shown in the figure .

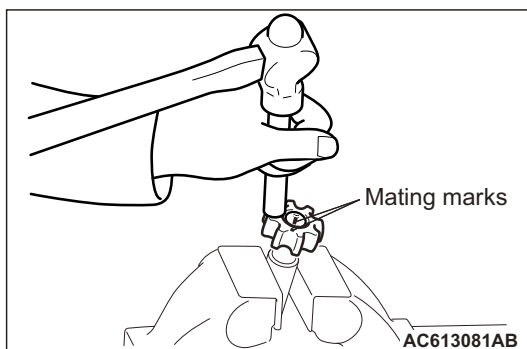
L: 240 ± 3 mm

2. Secure the damper bands.
3. Wrap plastic tape around the shaft spline, and then install the EBJ boot and EDJ boot.



>>B<< EDJ ASSEMBLY INSTALLATION

1. Aligning the mating marks between EDJ inner race and driveshaft, install EDJ cage to driveshaft.
2. Use special tool remover bar (MB990939) to tap evenly the inner race until it will stop.

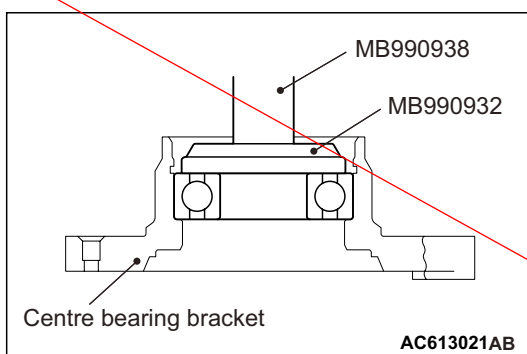


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>>C<< CENTRE BEARING INSTALLATION

Use the following special tools to press-fit the centre bearing into the centre bearing bracket.

- Installer adapter (MB990932)
- Installer bar (MB990938)



>>D<< DUST SEAL INNER/DUST SEAL OUTER INSTALLATION

CAUTION

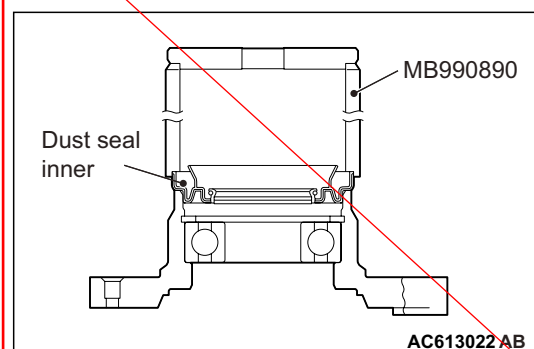
When applying grease, make sure that it does not adhere to anything outside the lip.

1. Apply the specified grease to the rear surface of all dust seals.

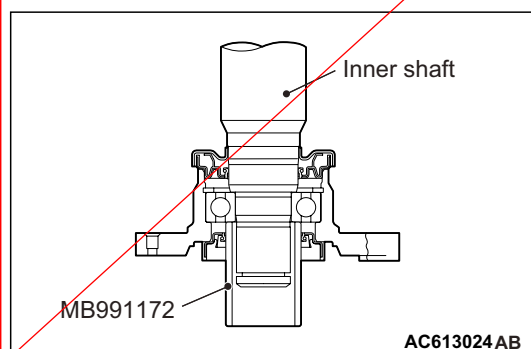
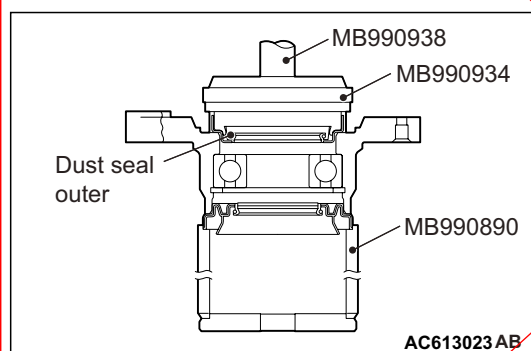
Specified grease: Repair kit grease

Amount used:

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**Dust seal inner: 6 – 10 g****Amount used:****Dust seal outer: 3 – 7 g**

2. Use the following special tools to press the dust seals into the centre bearing bracket until they are flush with each other.
 - Rear suspension bushing base (MB990890)
 - Installer bar (MB990938)
 - Installer adapter (MB990934)
3. Apply repair kit grease to the lip of each dust seal.

**>>E<< INNER SHAFT INSTALLATION**

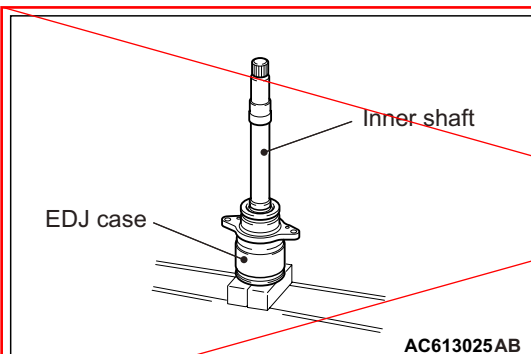
1. Use special tool inner shaft installer base (MB991172) to hold the centre bearing inner race, and then press-in the inner shaft.

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>>F<< ~~SEAL PLATE~~ EDJ CASE AND INNER SHAFT ASSEMBLY INSTALLATION

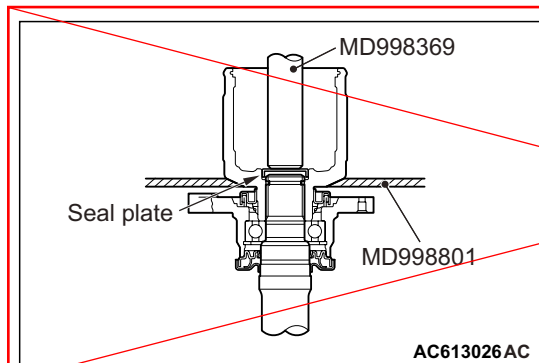
1. Apply repair kit grease to the inner shaft spline, then press-fit it into the EDJ case.

NOTE: When press-fitting the inner shaft into the EDJ case, apply a thin coat of repair kit grease to the dust seal outer lip part and the outside edge of the EDJ axial part.



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2. Use the following special tools to install the seal plate.
- Bearing installer (MD998369)
 - Remover (MD998801)

CAUTION

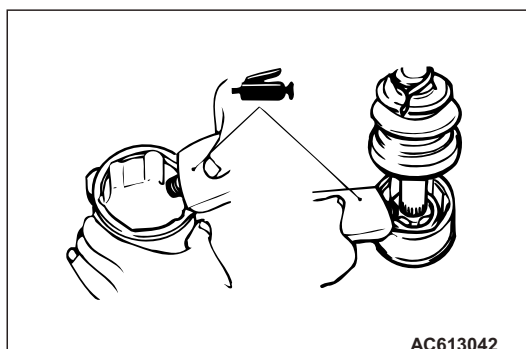
The driveshaft joint use special grease. Do not mix old and new or different types of grease.

3. After applying the specified grease the EDJ case, insert the driveshaft and apply grease one more time.

Specified grease: Repair kit grease

Amount to use: 160 ± 10 g

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

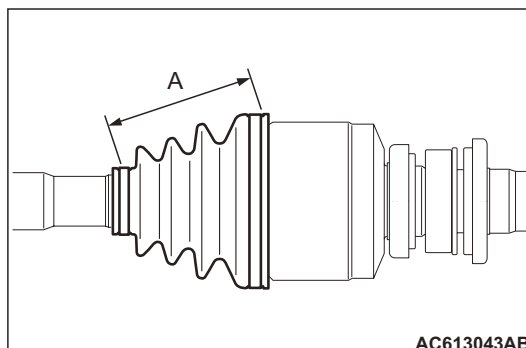


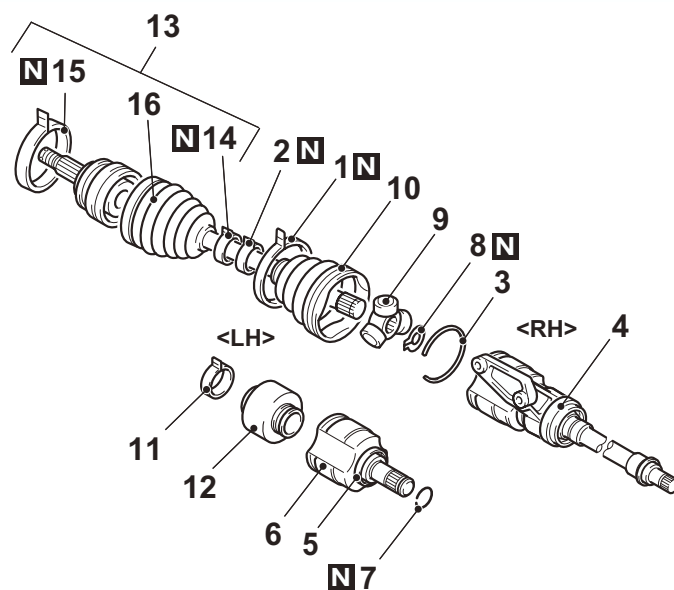
>>G<< EDJ BOOT BAND (SMALL)/EDJ BOOT BAND (LARGE) INSTALLATION

Set the EDJ boot bands at the specified distance in order to adjust the amount of air inside the EDJ boot, and then tighten the EDJ boot band (small), EDJ boot band (large) securely.

Standard value (A):

90 ± 3 mm





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<p>PTJ boot repair kit</p>	<p>PTJ repair kit <LH></p>	<p>EBJ boot repair kit</p>
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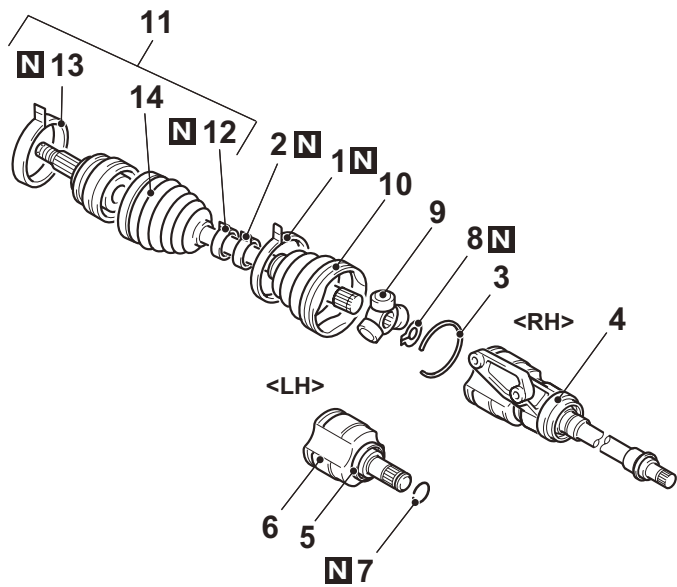
ACA01310AD

Disassembly steps

- >>I<< 1. PTJ boot band (large)
 >>I<< 2. PTJ boot band (small)
 >>I<< 3. Circlip
 <<A>> >>H<< 4. PTJ case and inner shaft assembly <RH>
 <<A>> >>H<< 5. Dust cover <LH>
 <<A>> >>H<< 6. PTJ case <LH>
 <<A>> >>H<< 7. Circlip
 <<A>> >>H<< 8. Snap ring

Disassembly steps

- >>D<< 9. Spider assembly
 <<F>> >>C<< 10. PTJ boot
 >>B<< 11. Damper band
 >>B<< 12. Dynamic damper (LH)
 >>B<< 13. EBJ assembly
 >>B<< 14. EBJ boot band (small)
 >>B<< 15. EBJ boot band (large)
 >>A<< 16. EBJ boot



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PTJ boot repair kit	PTJ repair kit <LH>	EBJ boot repair kit

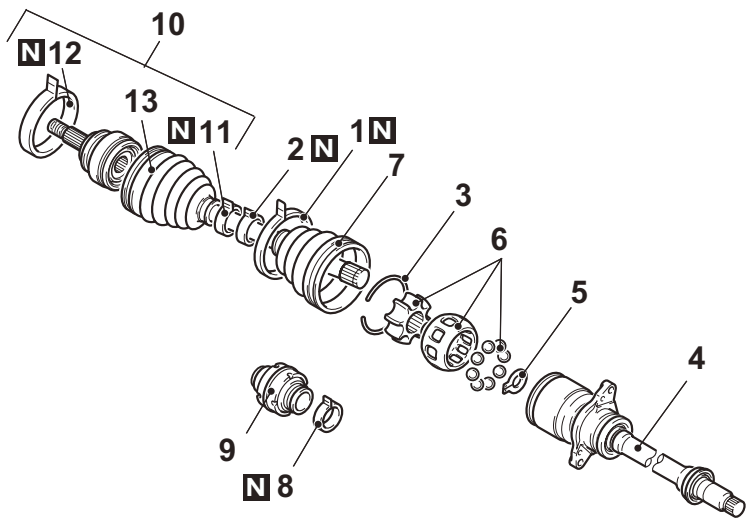
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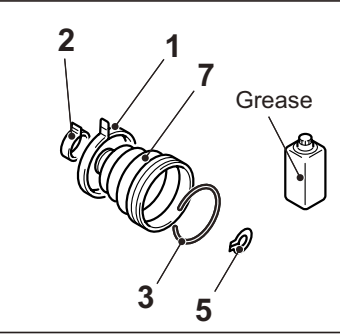
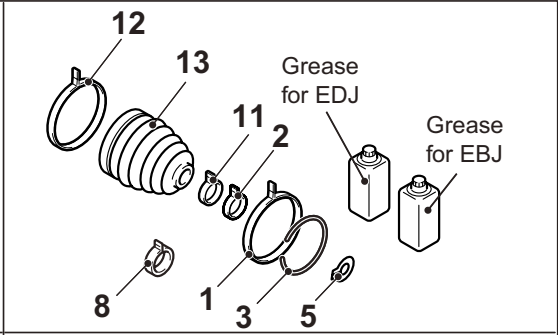
Disassembly steps

Disassembly steps

- >>H<< 1. PTJ boot band (large)
>>H<< 2. PTJ boot band (small)
>>H<< 3. Circlip
<<A>> >>G<< 4. PTJ case/Inner shaft assembly <RH>
<<A>> >>G<< 5. Dust cover <LH>
<<A>> >>G<< 6. PTJ case <LH>
<<A>> >>G<< 7. Circlip

- >>C<< 8. Snap ring
>>C<< 9. Spider assembly
<<F>> >>B<< 10. PTJ boot
<<F>> >>B<< 11. EBJ assembly
<<F>> >>B<< 12. EBJ boot band (small)
<<F>> >>B<< 13. EBJ boot band (large)
>>A<< 14. EBJ boot



	
EDJ boot repair kit	EBJ boot repair kit

ACA01261 AB

Disassembly steps

- >>G<< 1. EDJ boot band (large)
- >>G<< 2. EDJ boot band (small)
3. Circlip
- >>F<< 4. EDJ case and inner shaft assembly
5. Snap ring
- <<E>> >>B<< 6. EDJ assembly
- <<F>> >>A<< 7. EDJ boot

Disassembly steps

- >>A<< 8. Damper band
- >>A<< 9. Dynamic damper
10. EBJ assembly
11. EBJ boot band (small)
12. EBJ boot band (large)
- >>A<< 13. EBJ boot