



Technical Service Bulletin

SUBJECT:		No:	TSB-19-37-001
ADDITION OF TIE ROD END BALL JOINT DUST COVER REPLACEMENT - SMR		DATE:	February 2019
		MODEL:	See below
CIRCULATE TO:	<input type="checkbox"/> GENERAL MANAGER	<input checked="" type="checkbox"/> PARTS MANAGER	<input checked="" type="checkbox"/> TECHNICIAN
<input checked="" type="checkbox"/> SERVICE ADVISOR	<input checked="" type="checkbox"/> SERVICE MANAGER	<input type="checkbox"/> WARRANTY PROCESSOR	<input type="checkbox"/> SALES MANAGER

PURPOSE

This TSB updates the Steering section of the affected Service Manuals to update the lubricant, sealant, special tools, and procedures used in replacement of the Tie Rod End Ball Joint Dust Cover, which are now serviceable parts, for vehicles with hydraulic power steering.

AFFECTED VEHICLES

- 2008 - 2014 Lancer with Hydraulic Power Steering
- 2008 - 2015 Lancer Evolution with Hydraulic Power Steering
- 2009 - 2014 Lancer Sportback with Hydraulic Power Steering
- 2007 - 2012 Outlander with Hydraulic Power Steering

AFFECTED SERVICE MANUALS

- 2008 - 2014 Lancer Service Manual, Group 37-Steering
- 2008 - 2015 Lancer Evolution Service Manual, Group 37-Steering
- 2009 - 2014 Lancer Sportback Service Manual, Group 37-Steering
- 2007 - 2012 Outlander Service Manual, Group 37-Steering



Please make the indicated changes below to Group 37-Power Steering -> Lubricants, in the following Service Manuals:

- 2008 - 2014 Lancer
- 2008 - 2015 Lancer Evolution
- 2009 - 2014 Lancer Sportback
- 2007 - 2012 Outlander

<Added>

LUBRICANTS

Item	Specified lubricant	Quantity	
Tie rod end ball joint dust cover	Multipurpose grease SAE J310, NLGI No.2 or equivalent	Inside of dust cover	5.0 ± 1.0 g (0.18 ± 0.04 oz)
		Lip	As required

Please make the indicated changes below to Group 37-Power Steering -> Sealant, in the following Service Manuals:

- 2008 - 2014 Lancer
- 2008 - 2015 Lancer Evolution
- 2009 - 2014 Lancer Sportback
- 2007 - 2012 Outlander

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SEALANT

Item	Specified sealant	Quantity dm ³ (qt)
Tie rod end ball joint dust cover <Type B>	Threebond 1215 or equivalent	As required

Please make the indicated changes below to Group 37-Power Steering -> Special Tools, in the following Service Manuals:

- 2008 - 2014 Lancer
- 2008 - 2015 Lancer Evolution
- 2009 - 2014 Lancer Sportback
- 2007 - 2012 Outlander

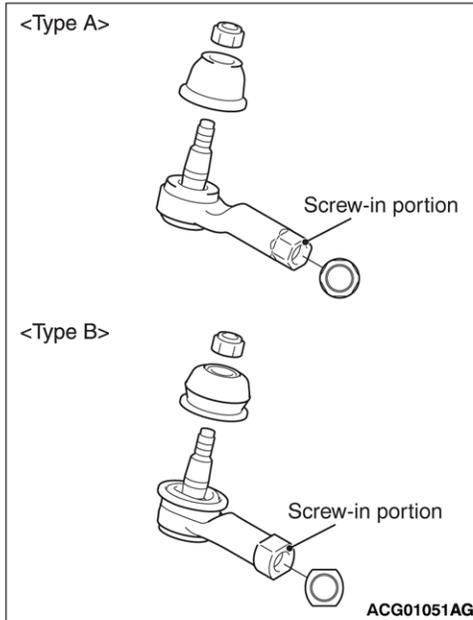
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SPECIAL TOOLS			
Tool	Tool number and name	Supersession	Application
	MD998812 Cap installer	–	Tie-rod end ball joint cover installation <Type A>
	MD998813 Installer 100	–	
	MD998818 Installer adapter	–	
	MD998820 Installer adapter	–	
	MB990776 Front axle base	MB990776-01	

Please add the information on the next 2 pages to Group 37-Power Steering -> Power Steering Gear Box and Linkage, below "Disassembly and Reassembly," in the following Service Manuals:

- 2008 - 2014 Lancer
- 2008 - 2015 Lancer Evolution
- 2009 - 2014 Lancer Sportback
- 2007 - 2012 Outlander

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TIE ROD END BALL JOINT DUST COVER REPLACEMENT

There are two types (Type A and B) of the tie rod end ball joint dust cover. When you replace it, observe the tie-rod end screw-in portion to determine which is fitted in the vehicle.

<Type A>

⚠ CAUTION

If the tie rod end ball joint dust cover is damaged accidentally during service work, replace the tie rod end ball joint dust cover as follows:

1. Fill and apply the specified grease into the inside and lip of the tie rod end ball joint dust cover.

Specified grease: Multipurpose grease SAE J310, NLGI No.2 or equivalent

Usage (Total amount):

Inside of dust cover: 5.0 ± 1.0 g (0.18 ± 0.04 oz)

Lip: As required.

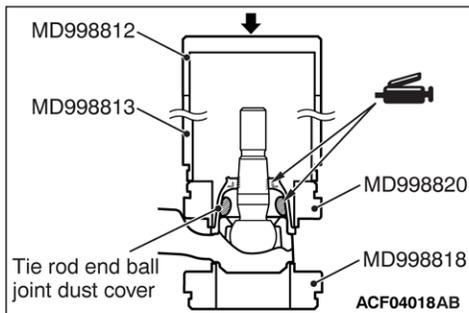
NOTE: Wipe off the grease on the ball joint so that the amount of grease inside the tie rod end ball joint dust cover does not exceed the total amount.

2. Use the following special tools to press-fit the tie rod end ball joint dust cover into the tie rod end.
 - Cap installer (MD998812)
 - Installer 100 (MD998813)
 - Installer adapter (MD998818)
 - Installer adapter (MD998820)

NOTE:

- There should be no grease on the thread of the ball joint.
- There should be no clearance between the tie rod end ball joint dust cover and the tie rod end.

3. Check the tie rod end ball joint dust cover for cracks or damage by pushing it with your finger.



<Added>

<Type B>

Required Special Tools:

- MB990776: Front axle base

⚠ CAUTION

If the tie rod end ball joint dust cover is damaged accidentally during service work, replace the tie rod end ball joint dust cover as follows:

1. Fill and apply the specified grease into the inside and lip of the tie rod end ball joint dust cover.

Specified grease: Multipurpose grease SAE J310, NLGI No.2 or equivalent

Usage (Total amount):

Inside of dust cover: 5.0 ± 1.0 g (0.18 ± 0.04 oz)

Lip: As required.

NOTE: Wipe off the grease on the ball joint so that the amount of grease inside the tie rod end ball joint dust cover does not exceed the total amount.

2. Apply the specified sealant to the tie rod end ball joint dust cover mounting surface at the tie rod end.

Semi-drying sealant: ThreeBond 1215 or equivalent

Application amount: As required.

3. Drive in the tie rod end ball joint dust cover with special tool front axle base (MB990776) until it is fully seated.

NOTE:

- *There should be no grease on the thread of the ball joint.*
- *There should be no clearance between the tie rod end ball joint dust cover and the tie rod end.*

4. Check the tie rod end ball joint dust cover for cracks or damage by pushing it with your finger.

