SERVICE BULLETIN

MITSUBISHI MOTORS

GLOBAL AFTER SALES OFFICE. MITSUBISHI MOTORS CORPORATION

PURPOSE : INFORMATION	ISSUE NO. : MSB-12EXML37-002A	DATE : 2012-07-20	
SUBJECT : STEERING GEAR & LINKAGE ASSY		<Destination/Model> AS SHOW BELOW	<M/Y> 04-13
GROUP : STEERING			

1. Description:

See the attached sheets for the information about the change of mention in the applicable service manual.

2. Applicable manual:

See the attached sheets

3. Details:

See the attached sheets

※ Destination :
MMNA/USTP/EUR/RUSSIA/G.EXP/GCC/MMAL/NZ/KOREA/HONG KONG/BRAZIL
Model:
CY0A/CX0A/GA0W/DK0A/DJ0A/D00W

FOR OVERSEAS MARKET (EU/MMAL/EXP/GCC)
LANCER/LANCER EX, LANCER SPORTBACK, ASX (GS41, GS44S, ZC)

Destination	Applicable manual	Pub. No.	Applicable title (INFO ID)	Content
EU	2008 LANCER Workshop Manual	CG1E08E2-CD (ENGLISH), CG1S08E2-CD (SPANISH), CG1F08E2-CD (FRENCH), CG1G08E2-CD (GERMAN)	GROUP 37B-STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND REASSEMBLY (09-AL-007 Attached sheet 13)	Attached sheet 4
EU/RUSSIA	2008 LANCER Workshop Manual	CG1E08E2-CD (ENGLISH), CG1S08E2-CD (SPANISH), CG1F08E2-CD (FRENCH), CG1G08E2-CD (GERMAN) RUSSIA:N/A	GROUP 37B-STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND REASSEMBLY (09-AL-007 Attached sheet 13)	
	2009 LANCER Workshop Manual	CG1E09E1-CD (ENGLISH), CG1S09E1-CD (SPANISH), CG1F09E1-CD (FRENCH), CG1G09E1-CD (GERMAN), CG1I09E1-CD (ITALIAN) RUSSIA:N/A	GROUP 37B-POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND REASSEMBLY (M372-01-111-04400-01)	
	2010 LANCER Workshop Manual	CG1E10E1-CD (ENGLISH), CG1S10E1-CD (SPANISH), CG1F10E1-CD (FRENCH), CG1G10E1-CD (GERMAN), CG1I10E1-CD (ITALIAN) RUSSIA:N/A	GROUP 37B-POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND REASSEMBLY (M372-01-111-04401-01)	
	2011 LANCER/ LANCER SPORTBACK Workshop Manual	CGSE11E1-CD (English) CGSF11E1-CD (French) CGSG11E1-CD (German) CGSI11E1-CD (Italian) CGSS11E1-CD (Spanish) RUSSIA:N/A	GROUP 37B-POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND REASSEMBLY (M372-01-111-04402-01)	
	2012LANCER/ LANCERSPORTBACK Workshop Manual	CGSE12E1-CD (English)		

Destination	Applicable manual	Pub. No.	Applicable title (INFO ID)	Content
		CGSF12E1-CD (French) CGSG12E1-CD (German) CGSI12E1-CD (Italian) CGSS12E1-CD (Spanish) RUSSIA:N/A		
MMAL/NZ	2012LANCER/ LANCERSPORTBACK Workshop Manual	MMAL/NZ: DRAFT	GROUP 37B-POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND REASSEMBLY (M372-01-111-56100-01)	
EU/RUSSIA	2013 LANCER/ LANCER SPORTBACK Workshop Manual	CGSE13E1-CD (English) CGSF13E1-CD (French) CGSG13E1-CD (German) CGSI13E1-CD (Italian) CGSS13E1-CD (Spanish) RUSSIA:N/A	GROUP 37B-POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND REASSEMBLY (M372-01-111-04402-01)	
	2009 LANCER SPORTBACK Workshop Manual	CG4E09E1-CD (ENGLISH), CG4S09E1-CD (SPANISH), CG4F09E1-CD (FRENCH), CG4G09E1-CD (GERMAN), CG4I09E1-CD (ITALIAN) RUSSIA:N/A	GROUP 37B-POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND REASSEMBLY (M372-01-111-04400-01)	
	2010 LANCER SPORTBACK Workshop Manual	CG4E10E1-CD (ENGLISH), CG4S10E1-CD (SPANISH), CG4F10E1-CD (FRENCH), CG4G109E1-CD (GERMAN), CG4I10E1-CD (ITALIAN) RUSSIA:N/A	GROUP 37B-POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND REASSEMBLY (M372-01-111-04401-01)	
	2011 ASX Workshop Manual	CGWE11E2-CD (ENGLISH), CGWS11E2-CD	POWER STEERING GEAR BOX AND LINKAGE	Attached sheet 5

Destination	Applicable manual	Pub. No.	Applicable title (INFO ID)	Content
		(SPANISH), CGWF11E2-CD (FRENCH), CGWG11E2-CD (GERMAN), CGWI11E2-CD (ITALIAN) RUSSIA:N/A	DISASSEMBLY AND REASSEMBLY (M372-01-111-52700-01)	
	2012 ASX Workshop Manual	CGWE12E2-CD (ENGLISH), CGWS12E2-CD (SPANISH), CGWF12E2-CD (FRENCH), CGWG12E2-CD (GERMAN), CGWI12E2-CD (ITALIAN) RUSSIA:N/A		
	2013 ASX Workshop Manual	CGWE13E2-CD (ENGLISH), CGWS13E2-CD (SPANISH), CGWF13E2-CD (FRENCH), CGWG13E2-CD (GERMAN), CGWI13E2-CD (ITALIAN) RUSSIA:N/A		
EXP/GCC	2008 LANCER/LANCER EX Workshop Manual	PWME0701R(ENG) /PWMS0702R(SPA)	GROUP 37B-STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND REASSEMBLY (09-AL-007 Attached sheet 13)	Attached sheet 4
	2009 LANCER/LANCER EX Workshop Manual	PWME0802R(ENG) PWMS0803R(SPA)	GROUP 37B-POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND REASSEMBLY (M372-01-111-04400-01)	

EXP/GCC	2010 LANCER/LANCER EX Workshop Manual	PWME0901R(ENG) PWMS0902R(SPA)	GROUP 37B-POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND REASSEMBLY (M372-01-111-04401-01)	Attached sheet 4
RUSSIA	2008 LANCER Workshop Manual	N/A	TEERING GEAR BOX AND LINKAGE DISASSEMBLY AND REASSEMBLY (09-AL-007 Attached sheet 13)	
EXP/GCC/ MMAL/NZ/ HONG KONG/ BRAZIL	2011 ASX Workshop Manual	EXP/GCC: PWPE1006R(ENG) PWPS1007R(SPA) MMAL/NZ/HONG KONG/BRAZIL: DRAFT	POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND REASSEMBLY (M372-01-111-53800-01)	

FOR OVERSEAS MARKET (MMNA)
LANCER/LANCER EX, LANCER SPORTBACK, RVR, ECLIPSE/ECLIPSE SPYDER, GALANT, SPYDER
(GS41, GS44S, ZC, PS24S/28, PS41, PSU)

Destination	Applicable manual	Pub. No.	Applicable title (INFO ID)	Content
MMNA/ MEXICO	2011 LANCER/ LANCER SPORTBACK SERVICE MANUAL	MSCD-106B-2011 MEXICO:DRAFT	GROUP 37B-POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND ASSEMBLY (M372-01-111-04402-01)	Attached sheet 6
KOREA	2011 LANCER SERVICE MANUAL	KOREA:DRAFT	POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND ASSEMBLY (M372-01-111-04402-01)	
MMNA/ MEXICO	2012 LANCER/ LANCER SPORTBACK SERVICE MANUAL	MSCD-106B-2012 MEXICO:DRAFT	GROUP 37B-POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND ASSEMBLY (M372-01-111-04403-01)	
MMNA/ MEXICO	2013 LANCER/ LANCER SPORTBACK SERVICE MANUAL	MSCD-106B-2013 MEXICO:DRAFT	GROUP 37B-POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND ASSEMBLY (M372-01-111-65700-01)	
MMNA	2011 RVR SERVICE MANUAL	MSCD-017B-2011	POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND ASSEMBLY (M372-01-111-53800-01)	
MMNA	2012 RVR SERVICE MANUAL	MSCD-017B-2012		
MMNA	2013 RVR SERVICE MANUAL	MSCD-017B-2013		
MMNA	2008 ECLIPSE/ECLIPSE SPYDER Workshop Manual	MSCD-002B-2008	POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND ASSEMBLY (M372-01-110-36402-01)	Attached sheet 7
MMNA/ KOREA	2009 ECLIPSE/ECLIPSE SPYDER Workshop Manual	MSCD-002B-2009 KOREA: DRAFT		
MMNA	2010 ECLIPSE/ECLIPSE SPYDER Workshop Manual	MSCD-002B-2010		
MMNA	2011 ECLIPSE/ECLIPSE SPYDER Workshop Manual	MSCD-002B-2011		

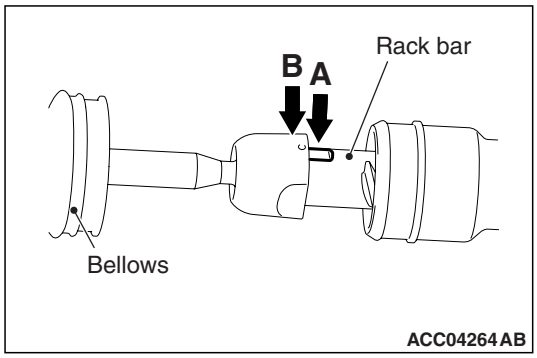
MMNA	2004 GALANT Workshop Manual	MSCD-009B-2004	POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND ASSEMBLY (M372-01-110-37501-01)	Attached sheet 8
MMNA	2005 GALANT Workshop Manual	MSCD-009B-2005		
MMNA	2006 GALANT Workshop Manual	MSCD-009B-2006		
MMNA	2007 GALANT Workshop Manual	MSCD-009B-2007	POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND ASSEMBLY (M372-01-110-49401 -01)	
MMNA	2008 GALANT Workshop Manual	MSCD-009B-2008		
MMNA	2009 GALANT Workshop Manual	MSCD-009B-2009 A	POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND ASSEMBLY ~~(M372-01-111-49402-01)~~ M372-01-110-49402-01)	Attached sheet 7
MMNA	2009.5 GALANT Workshop Manual	MSCD-009B-2009	POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND ASSEMBLY (M372-01-111-06600 -01)	
MMNA	2010 GALANT Workshop Manual	MSCD-009B-2010	POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND ASSEMBLY (M372-01-111-31200 -01)	
MMNA	2011 GALANT Workshop Manual	MSCD-009B-2011		
MMNA	2004 ENDEAVOR Workshop Manual	MSCD-012B-2004	POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND ASSEMBLY (M372-01-110-12602-01)	Attached sheet 9
MMNA	2005 ENDEAVOR Workshop Manual	MSCD-012B-2005		
MMNA	2006 ENDEAVOR Workshop Manual	MSCD-012B-2006		
MMNA	2007 ENDEAVOR Workshop Manual	MSCD-012B-2007	POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND ASSEMBLY (M372-01-111-16300-01)	
MMNA	2008 ENDEAVOR Workshop Manual	MSCD-012B-2008		
MMNA	2009 ENDEAVOR Workshop Manual	MSCD-012B-2009	POWER STEERING GEAR BOX AND LINKAGE DISASSEMBLY AND ASSEMBLY (M372-01-111-15200-01)	
MMNA	2010 ENDEAVOR Workshop Manual	MSCD-012B-2010		
MMNA	2011 ENDEAVOR Workshop Manual	MSCD-012B-2011		

DISASSEMBLY SERVICE POINT

<<A>> TIE ROD REMOVAL

⚠ CAUTION

Be careful not to damage the rack bar and the teeth surface.



1. Fold the left bellows back, and then use a spanner to counterhold the flats (A) on the rack end.
2. Apply the special tool "variable spanner" MB992249 to the B portion as shown to remove the tie rod.

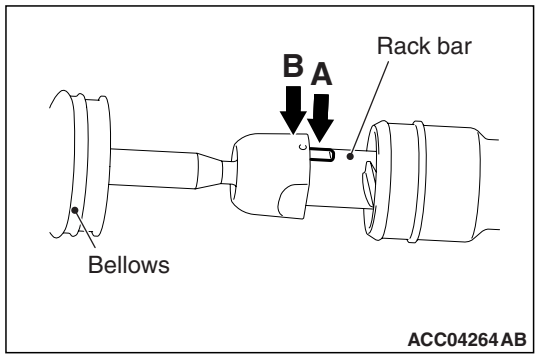
NOTE: There are not flats on the right rack bar. Therefore, counterhold the left rack end even when you remove the right tie rod.

REASSEMBLY SERVICE POINTS

>>A<< TIE-ROD INSTALLATION

⚠ CAUTION

Be careful not to damage the rack bar and the teeth surface.



1. Fold the left bellows back, and then use a spanner to counterhold the flats (A) on the rack end.
2. Apply the special tool "variable spanner" MB992249 to the B portion as shown to tighten the tie rod to the specified torque.

   Tightening torque: 84 ± 14 N·m

NOTE: There are not flats on the right rack bar. Therefore, counterhold the left rack end even when you install the right tie rod.

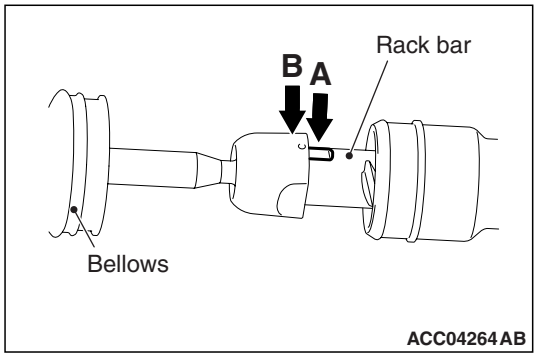
DISASSEMBLY SERVICE POINT

The other disassembly service points are the same as those for 10 MY OUTLANDER.

<<A>> TIE ROD REMOVAL

⚠ CAUTION

Be careful not to damage the rack bar and the teeth surface.



1. Fold the left bellows back, and then use a spanner to counterhold the flats (A) on the rack end.
2. Apply the special tool "variable spanner" MB992249 to the B portion as shown to remove the tie rod.

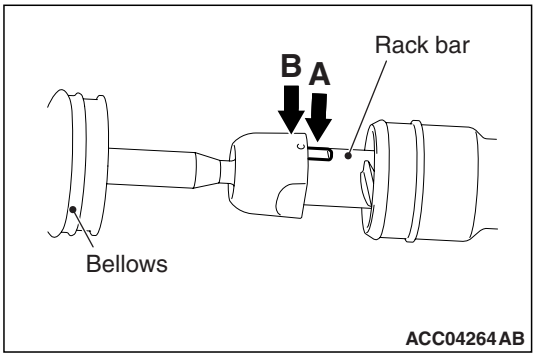
NOTE: There are not flats on the right rack bar. Therefore, counterhold the left rack end even when you remove the right tie rod.

REASSEMBLY SERVICE POINTS

The other reassembly service points are the same as those for 10 MY OUTLANDER.

⚠ CAUTION

Be careful not to damage the rack bar and the teeth surface.



1. Fold the left bellows back, and then use a spanner to counterhold the flats (A) on the rack end.
2. Apply the special tool "variable spanner" MB992249 to the B portion as shown to tighten the tie rod to the specified torque.

   Tightening torque: 84 ± 14 N·m

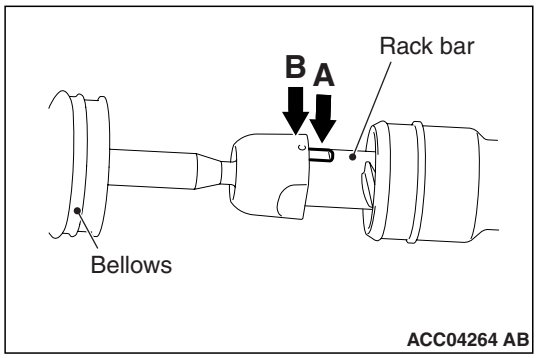
NOTE: There are not flats on the right rack bar. Therefore, counterhold the left rack end even when you install the right tie rod.

DISASSEMBLY SERVICE POINT

<<A>> TIE-ROD REMOVAL

⚠ CAUTION

Be careful not to damage the rack bar and the teeth surface.



1. Fold the left bellows back, and then use a spanner to counterhold the flats (A) on the rack end.
2. Apply the special tool "variable spanner" MB992249 to the B portion as shown to remove the tie rod.

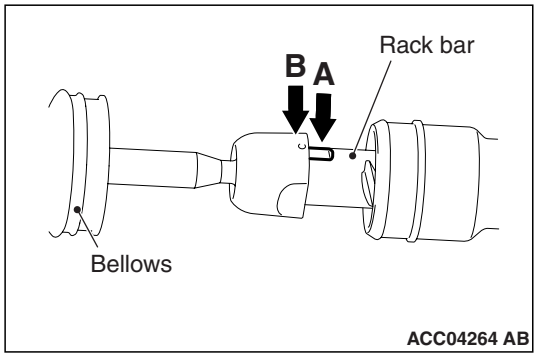
NOTE: There are not flats on the right rack bar. Therefore, counterhold the left rack end even when you remove the right tie rod.

ASSEMBLY SERVICE POINT

>>A<< TIE-ROD INSTALLATION

⚠ CAUTION

Be careful not to damage the rack bar and the teeth surface.



1. Fold the left bellows back, and then use a spanner to counterhold the flats (A) on the rack end.
2. Apply the special tool "variable spanner" MB992249 to the B portion as shown to tighten the tie rod to the specified torque.

   Tightening torque: 84 ± 14 N·m (62 ± 10 ft-lb)

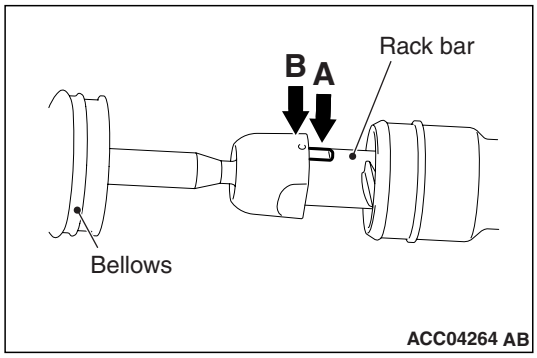
NOTE: There are not flats on the right rack bar. Therefore, counterhold the left rack end even when you install the right tie rod.

DISASSEMBLY SERVICE POINT

<<B>> TIE-ROD REMOVAL

⚠ CAUTION

Be careful not to damage the rack bar and the teeth surface.



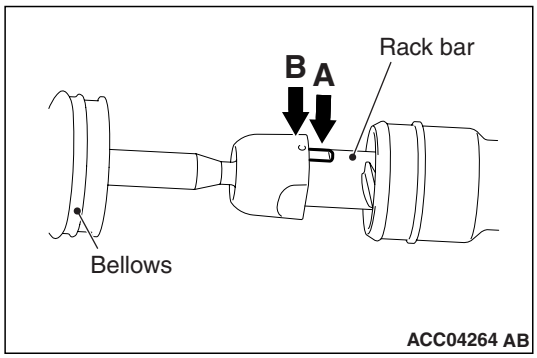
1. Fold the bellows back, and then use a spanner to counterhold the flats (A) on the rack end.
2. Apply the special tool "variable spanner" MB992249 to the B portion as shown to remove the tie rod.

ASSEMBLY SERVICE POINT

>>O<< TIE-ROD INSTALLATION

⚠ CAUTION

Be careful not to damage the rack bar and the teeth surface.



1. Fold the bellows back, and then use a spanner to counterhold the flats (A) on the rack end.
2. Apply the special tool "variable spanner" MB992249 to the B portion as shown to tighten the tie rod to the specified torque.

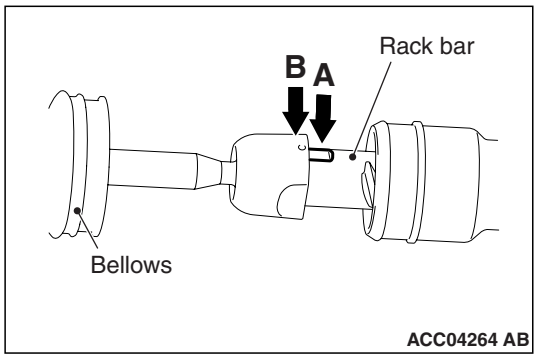
   Tightening torque: 84 ± 14 N·m (62 ± 10 ft-lb)

DISASSEMBLY SERVICE POINTS

<<A>> TIE ROD REMOVAL

⚠ CAUTION

Be careful not to damage the rack bar and the teeth surface.



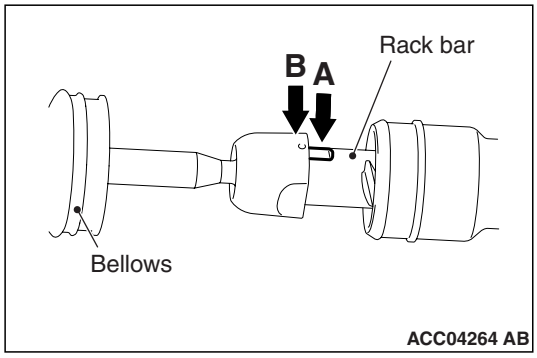
1. Fold the bellows back, and then use a spanner to counterhold the flats (A) on the rack end.
2. Apply the special tool "variable spanner" MB992249 to the B portion as shown to remove the tie rod.

ASSEMBLY SERVICE POINTS

>>O<< TIE ROD INSTALLATION

⚠ CAUTION

Be careful not to damage the rack bar and the teeth surface.



1. Fold the bellows back, and then use a spanner to counterhold the flats (A) on the rack end.
2. Apply the special tool "variable spanner" MB992249 to the B portion as shown to tighten the tie rod to the specified torque.

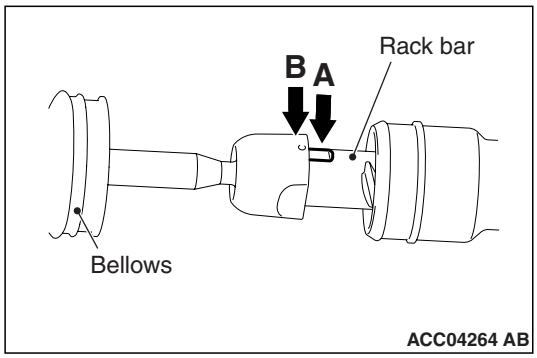
   Tightening torque: 88 ± 10 N·m (65 ± 7 ft-lb)

DISASSEMBLY SERVICE POINT

<<A>> TIE-ROD REMOVAL

⚠ CAUTION

Be careful not to damage the rack bar and the teeth surface.



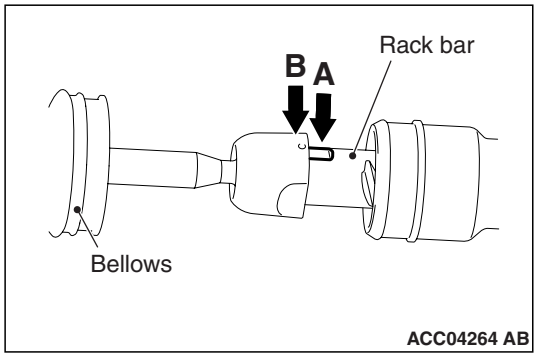
1. Fold the bellows back, and then use a spanner to counterhold the flats (A) on the rack end.
2. Apply the tool to the B portion as shown to remove the tie rod.

ASSEMBLY SERVICE POINT

>>C<< TIE-ROD INSTALLATION

⚠ CAUTION

Be careful not to damage the rack bar and the teeth surface.



1. Fold the bellows back, and then use a spanner to counterhold the flats (A) on the rack end.
2. Apply the tool to the B portion as shown to tighten the tie rod to the specified torque.

   Tightening torque: 89 ± 9 N·m (66 ± 7 ft-lb)