SERVICE BULLETIN

MITSUBISHI MOTORS

GLOBAL AFTER SALES OFFICE, MITSUBISHI MOTORS CORPORATION

PURPOSE : CHANGE	ISSUE NO. : MSB-13EXML00-004	DATE : 2013-11-04
SUBJECT : STARTER MOTOR ASSEMBLY REMOVAL AND INSTALLATION		<Affected Destination/Model> (As per attached 1) <M/Y> 13-14
GROUP : GENERAL(Gr:00)		MIRAGE/SPACE STAR ATTRAGE/MIRAGE G4

1. Description :

Please refer to the attached document for the information about the change of mention in the applicable service manual.

2. Affected service manuals :

Please refer to the attached document (Attached sheet 1)

3. About the details :

Please refer to the attached document (Attached sheets 3-4)
(Due to the changes of the starter assembly and the bell housing cover, the maintenance point has been set)

4. Effective time : From the vehicle produced from the middle of Oct, 2013

5. Affected EO : EO QT0902/QT0950/QM0807/QM0817

<MIRAGE/SPACE STAR> Attached sheet 1

Thailand

Applicable manual	Pub No.	Applicable title (INFO ID)	Content
2013 MIRAGE Workshop Manual	PWFE1201R	OIL PAN REMOVAL AND INSTALLATION (M112-00-283-40500-01)	Attached sheet 3
		CRANKSHAFT AND CYLINDER BLOCK REMOVAL AND INSTALLATION (M113-00-874-26400-01)	
		STARTER MOTOR ASSEMBLY REMOVAL AND INSTALLATION (M162-00-103-33700-01)	
		TRANSMISSION ASSEMBLY REMOVAL AND INSTALLATION (M221-00-271-86100-01)	
		TRANSMISSION ASSEMBLY REMOVAL AND INSTALLATION (M231-20-361-03300-01)	

ASEAN

Applicable manual	Pub No.	Applicable title (INFO ID)	Content
2013 MIRAGE Workshop Manual	PWFE1201R	OIL PAN REMOVAL AND INSTALLATION (M112-00-283-40500-01)	Attached sheet 3
		CRANKSHAFT AND CYLINDER BLOCK REMOVAL AND INSTALLATION (M113-00-874-26400-01)	
		STARTER MOTOR ASSEMBLY REMOVAL AND INSTALLATION (M162-00-103-33700-01)	
		TRANSMISSION ASSEMBLY REMOVAL AND INSTALLATION (M221-00-271-86100-01)	
		TRANSMISSION ASSEMBLY REMOVAL AND INSTALLATION (M231-20-361-03300-01)	

Philippines

Applicable manual	Pub No.	Applicable title (INFO ID)	Content
2013 MIRAGE Workshop Manual	PWFE1201RP	OIL PAN REMOVAL AND INSTALLATION (M112-00-283-40500-01)	Attached sheet 3
		CRANKSHAFT AND CYLINDER BLOCK REMOVAL AND INSTALLATION (M113-00-874-26400-01)	
		STARTER MOTOR ASSEMBLY REMOVAL AND INSTALLATION (M162-00-103-33700-01)	
		TRANSMISSION ASSEMBLY REMOVAL AND INSTALLATION (M221-00-271-86100-01)	
		TRANSMISSION ASSEMBLY REMOVAL AND INSTALLATION (M231-20-361-03300-01)	

G.EXP/GCC

Applicable manual	Pub No.	Applicable title (INFO ID)	Content
2014 MIRAGE/ SPACE STAR Workshop Manual	PWFE1301R (Eng) PWFS1302R (Spa)	OIL PAN REMOVAL AND INSTALLATION (M112-00-283-40500-01)	Attached sheet 3
		CRANKSHAFT AND CYLINDER BLOCK REMOVAL AND INSTALLATION (M113-00-874-26400-01)	
		STARTER MOTOR ASSEMBLY REMOVAL AND INSTALLATION (M162-00-103-33700-01)	
		TRANSMISSION ASSEMBLY REMOVAL AND INSTALLATION (M221-00-271-86100-01)	
		TRANSMISSION ASSEMBLY REMOVAL AND INSTALLATION (M231-20-361-03300-01)	

EU

Applicable manual	Pub No.	Applicable title (INFO ID)	Content
2013 MIRAGE/ SPACE STAR Workshop Manual	CA0E13E1-CD (Eng) CA0F13E1-CD (Fre) CA0G13E1-CD (Ger) CA0S13E1-CD (Spa) CA0I13E1-CD (Ita)	OIL PAN REMOVAL AND INSTALLATION (M112-00-283-49400-01)	Attached sheet 3
		CRANKSHAFT AND CYLINDER BLOCK REMOVAL AND INSTALLATION (M113-00-874-37200-01)	
		STARTER MOTOR ASSEMBLY REMOVAL AND INSTALLATION (M162-00-103-33700-01)	
		TRANSMISSION ASSEMBLY REMOVAL AND INSTALLATION (M221-00-271-97900-01)	
		TRANSMISSION ASSEMBLY REMOVAL AND INSTALLATION (M231-20-361-06600-01)	

MMAL/NZ

Applicable manual	Pub No.	Applicable title (INFO ID)	Content
2014 MIRAGE/ SPACE STAR Workshop Manual	AU900305 NZ:DRAFT	OIL PAN REMOVAL AND INSTALLATION (M112-00-283-49400-01)	Attached sheet 3
		CRANKSHAFT AND CYLINDER BLOCK REMOVAL AND INSTALLATION (M113-00-874-37200-01)	
		STARTER MOTOR ASSEMBLY REMOVAL AND INSTALLATION (M162-00-103-33700-01)	
		TRANSMISSION ASSEMBLY REMOVAL AND INSTALLATION (M221-00-271-97900-01)	
		TRANSMISSION ASSEMBLY REMOVAL AND INSTALLATION (M231-20-361-06600-01)	

MMNA

Applicable manual	Pub No.	Applicable title (INFO ID)	Content
2014 MIRAGE Service Manual	MSCD-016B-2014	OIL PAN REMOVAL AND INSTALLATION (M112-00-283-49400-01)	Attached sheet 4
		CRANKSHAFT AND CYLINDER BLOCK REMOVAL AND INSTALLATION (M113-00-874-37200-01)	
		STARTER MOTOR ASSEMBLY REMOVAL AND INSTALLATION (M162-00-103-33700-01)	
		TRANSAXLE ASSEMBLY REMOVAL AND INSTALLATION (M221-00-271-98000-01)	
		TRANSAXLE ASSEMBLY REMOVAL AND INSTALLATION (M231-20-361-08800-01)	

<ATTRAGE/MIRAGE G4>

Thailand/ASEAN/G.EXP/GCC

Applicable manual	Pub No.	Applicable title (INFO ID)	Content
2014 ATTRAGE Workshop Manual	PWFE1305R (Eng) PWFS1306R (Spa)	OIL PAN REMOVAL AND INSTALLATION (M112-00-283-40500-01)	Attached sheet 3
		CRANKSHAFT AND CYLINDER BLOCK REMOVAL AND INSTALLATION (M113-00-874-26400-01)	
		STARTER MOTOR ASSEMBLY REMOVAL AND INSTALLATION (M162-00-103-33700-01)	
		TRANSMISSION ASSEMBLY REMOVAL AND INSTALLATION (M221-00-271-86100-01)	
		TRANSMISSION ASSEMBLY REMOVAL AND INSTALLATION (M231-20-361-03300-01)	

EU

Applicable manual	Pub No.	Applicable title (INFO ID)	Content
2014 ATTRAGE Workshop Manual	CA1E14E1-CD (Eng) CA1F14E1-CD (Fre) CA1G14E1-CD (Ger) CA1S14E1-CD (Spa) CA1I14E1-CD (Ita)	OIL PAN REMOVAL AND INSTALLATION (M112-00-283-49400-01)	Attached sheet 3
		CRANKSHAFT AND CYLINDER BLOCK REMOVAL AND INSTALLATION (M113-00-874-37200-01)	
		STARTER MOTOR ASSEMBLY REMOVAL AND INSTALLATION (M162-00-103-33700-01)	
		TRANSMISSION ASSEMBLY REMOVAL AND INSTALLATION (M221-00-271-97900-01)	
		TRANSMISSION ASSEMBLY REMOVAL AND INSTALLATION (M231-20-361-06600-01)	

Details of changes

Component name	Number of new component	Number of old component	How to distinguish new from old components
Starter assembly <vehicles without AS&G>	1810A333	1810A220	Identify part number on the label which is attached on the starter assembly. (Refer to figure 1)
Starter assembly <vehicles with AS&G>	1810A334	1810A221	
Bell housing cover <M/T>	1055A126	1055A088	New part: Identification mark (last three digits of a part number) is stamped on the bell housing cover. (Refer to figure 1) [No identification mark on old part]
Bell housing cover <CVT>	1055A128	1055A090	
Knock bushing	MS471105 (no modification)		–
	Protrusion from the clutch housing <M/T> or the converter housing <CVT>: 6 mm (Refer to figure 2)	Protrusion from the clutch housing <M/T> or the converter housing <CVT>: 3 mm (Refer to figure 2)	

Figure 1

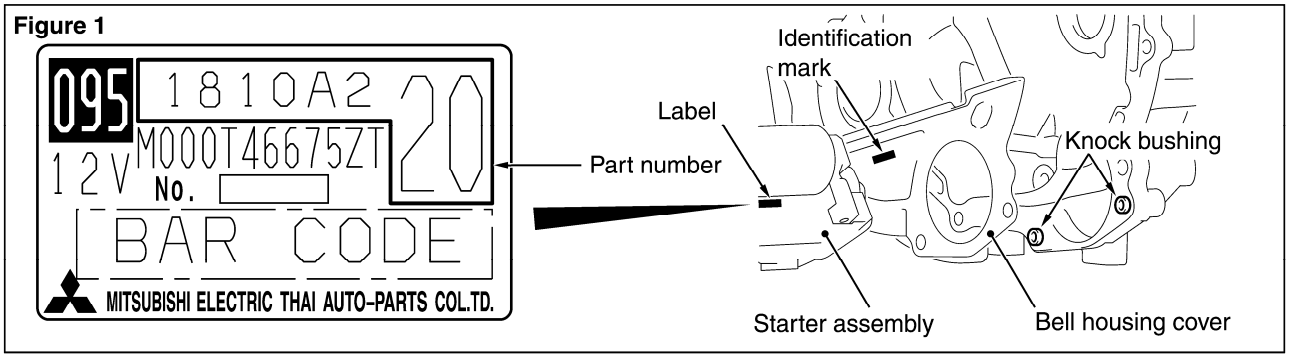
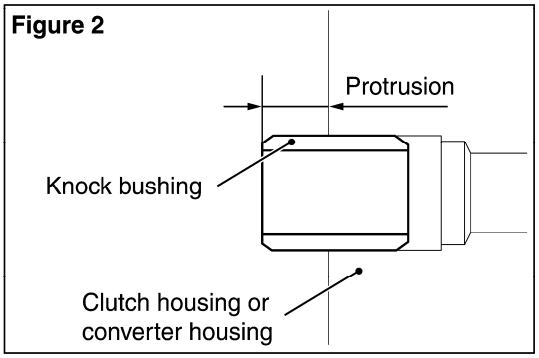


Figure 2



<When the starter assembly of the old part number is replaced>

1. Install the new knock bushing so that it protrudes 6 mm front the surface of the clutch housing <M/T> or the converter housing <CVT>.

   CAUTION:

   When the old knock bushing is removed, be careful not to damage the clutch housing or the converter housing.

2. Whenever the starter assembly of the new part number is used, also replace the bell housing cover with one of the new part number.

<When the starter assembly of the new part number is replaced>

1. Replace the starter assembly with one of the new part number.

<When the bell housing cover is replaced>

1. Confirm the identification mark on the bell housing cover, and use the same part of that identification mark.

<When the manual transmission assembly or the CVT assembly is replaced>

1. Identify the part number which is attached on the starter assembly to distinguish which it is the old or new part number.
2. If it is the new part number, install the new knock bushing so that it protrudes 6 mm from the clutch housing <M/T> or the converter housing <CVT>. If it is the old one, install the new knock bushing so that it protrudes 3 mm.

Details of changes

Component name	Number of new component	Number of old component	How to distinguish new from old components
Starter assembly	1810A333	1810A220	Identify part number on the label which is attached on the starter assembly. (Refer to figure 1)
Bell housing cover <M/T>	1055A126	1055A088	New part: Identification mark (last three digits of a part number) is stamped on the bell housing cover. (Refer to figure 1) [No identification mark on old part]
Bell housing cover <CVT>	1055A128	1055A090	
Knock bushing	MS471105 (no modification)		–
	Protrusion from the clutch housing <M/T> or the converter housing <CVT>: 6 mm (Refer to figure 2)	Protrusion from the clutch housing <M/T> or the converter housing <CVT>: 3 mm (Refer to figure 2)	

Figure 1

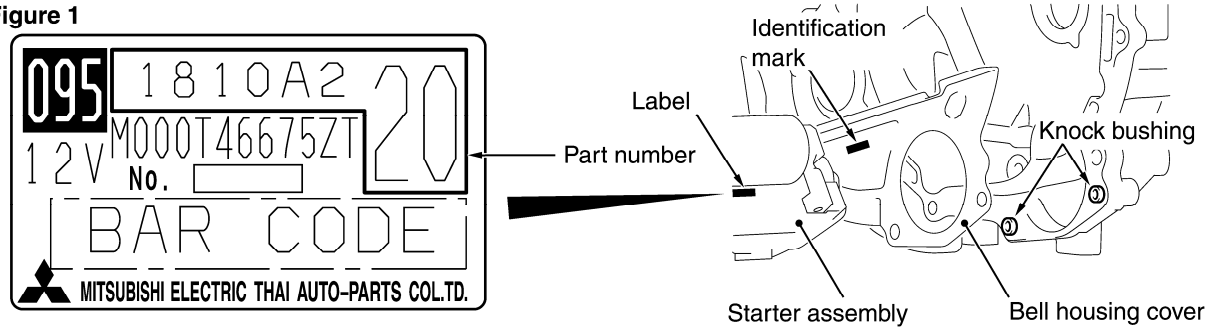
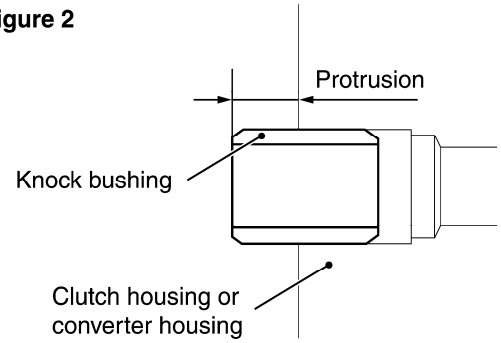


Figure 2



<When the starter assembly of the old part number is replaced>

1. Install the new knock bushing so that it protrudes 6 mm front the surface of the clutch housing <M/T> or the converter housing <CVT>.

   CAUTION:

   When the old knock bushing is removed, be careful not to damage the clutch housing or the converter housing.
2. Whenever the starter assembly of the new part number is used, also replace the bell housing cover with one of the new part number.

<When the starter assembly of the new part number is replaced>

1. Replace the starter assembly with one of the new part number.

<When the bell housing cover is replaced>

1. Confirm the identification mark on the bell housing cover, and use the same part of that identification mark.

<When the manual transaxle assembly or the CVT assembly is replaced>

1. Identify the part number which is attached on the starter assembly to distinguish which it is the old or new part number.
2. If it is the new part number, install the new knock bushing so that it protrudes 6 mm from the clutch housing <M/T> or the converter housing <CVT>. If it is the old one, install the new knock bushing so that it protrudes 3 mm.