

# Mitsubishi Mirage 2012-2017 Workshop Manual

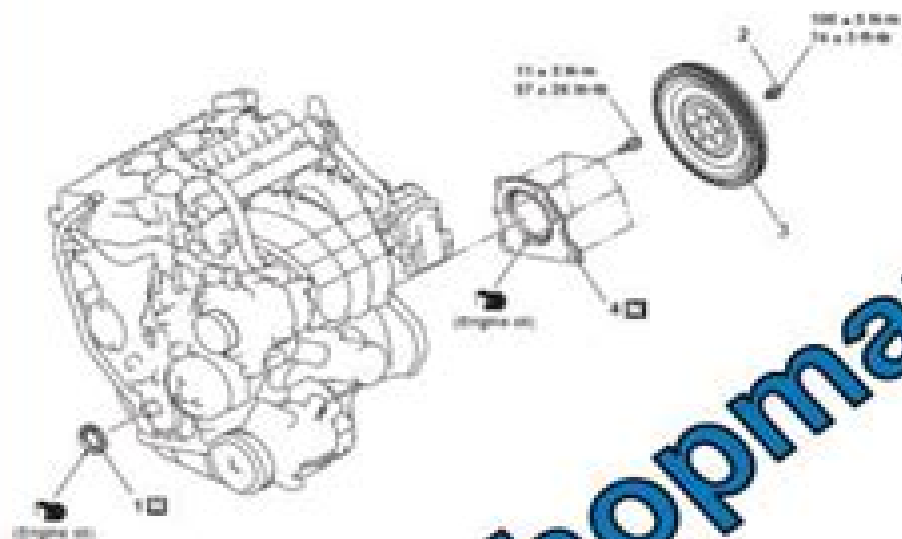
ENGINE MECHANICAL  
CRANKSHAFT OIL SEAL

11A-35

## CRANKSHAFT OIL SEAL

REMOVAL AND INSTALLATION

(MT)



Crankshaft front oil seal removal steps

- 1. Crankshaft pulley (Refer to P 11A-18)
- 2. Front oil seal

Crankshaft rear oil seal removal steps

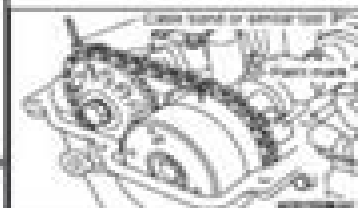
- 1. Thrust plate assembly (Refer to GROUP 22A - Thrust plate Assembly P 22A-12)
- 2. Clutch cover and disc (Refer to GROUP 21B - Clutch P 21B-3)
- 3. Oil pan (Refer to P 11A-27)
- 4. Oil seal case

ENGINE MECHANICAL  
CAMSHAFT

PDF 1A-2  
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**CAUTION**

After a timing chain similar test is performed, the timing chain will be out of alignment. To correct this, the timing chain tensioner through the service hole as shown in the diagram. If the inserted pin or a similar tool slides laterally, it may be disengaged from the plate hole. Repeat from step 3.  
**NOTE:** Pull out the pin or a similar tool after installing the camshaft sprocket bolt.



5. Put a paint mark on the VVT sprocket and the timing chain.
6. Fix the camshaft sprocket and the timing chain using a cotter pin or a similar tool.

7. While holding the exhaust camshaft hexagonal area with a wrench or a similar tool, loosen the camshaft sprocket bolt.

# Mitsubishi Mirage Antenna Service Manual

**Mitsubishi Jidōsha Kōgyō Kabushiki  
Kaisha**

A red circular graphic with a gradient, appearing as a partial circle or a thick arc, located to the right of the Mitsubishi company name.

## **Mitsubishi Mirage Antenna Service Manual:**

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6 cm 11 cm 12 cm 1 cm 22 cm 23 cm 2 4 cm 25 cm 26 cm 2 7 cm 28 cm 29

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