

Mitsubishi Mirage 2012-2017 Workshop Manual

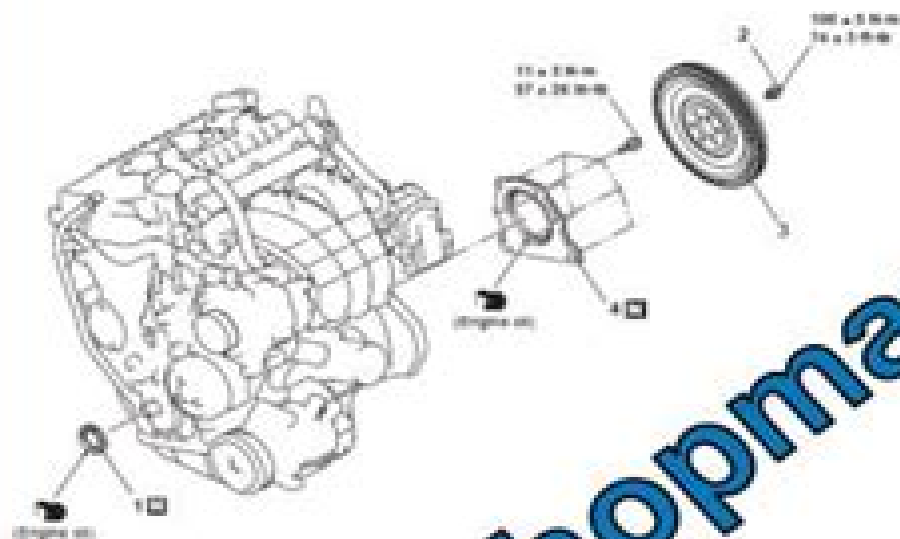
ENGINE MECHANICAL
CRANKSHAFT OIL SEAL

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. Flywheel bolt
- 5. Flywheel
- 6. Oil seal case

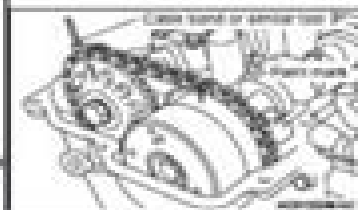
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CAMSHAFT

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CAUTION

After a timing chain similar tool is installed, the timing chain will be out of alignment. To remove the timing chain, use a timing chain tensioner through the service hole as shown. 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 Transmission Workshop Manual

Mark Steyvers



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web 1 consider a database with the following schema write relational algebra expressions for the following nine queries warning some of the later queries are a bit challenging if you already know sql you can try running sql queries to