

Mitsubishi Outlander 2007-2013 Workshop Manual

CRANKSHAFT PULLEY CENTER BOLT/CRANKSHAFT PULLEY WASHER/CRANKSHAFT PULLEY REMOVAL

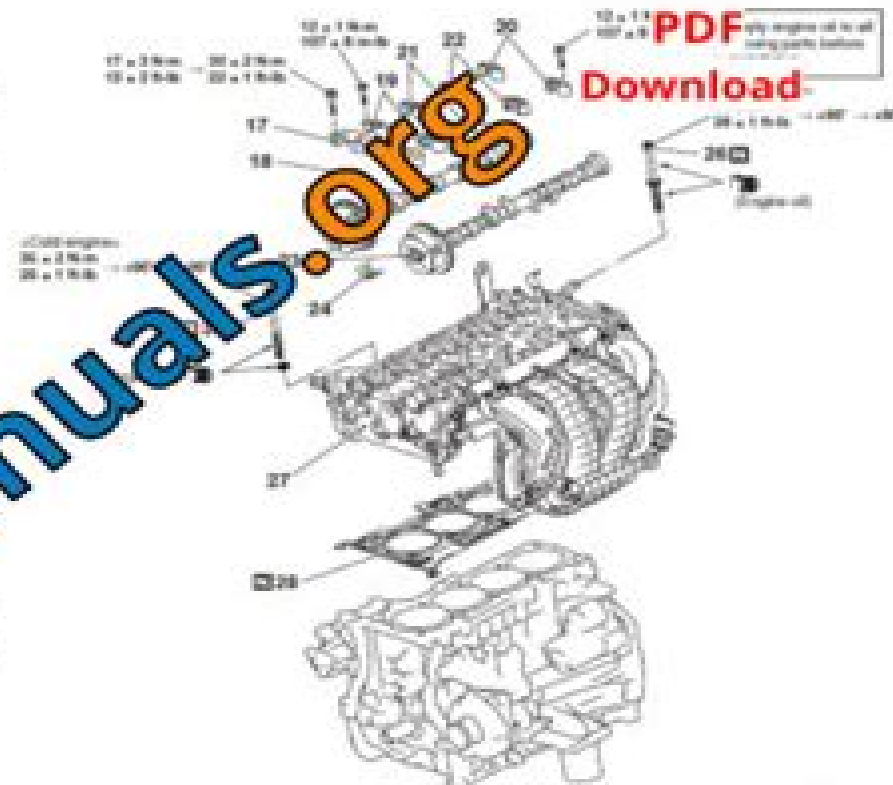
1. Hold the crankshaft pulley with special tools MB990717 and MD990718.
2. Loosen the crankshaft pulley center bolt and remove the crankshaft pulley center bolt, crankshaft pulley washer and crankshaft pulley.

INSTALLATION SERVICE POINTS

CRANKSHAFT PULLEY/CRANKSHAFT PULLEY WASHER/CRANKSHAFT PULLEY CENTER BOLT INSTALLATION

1. Wipe off the dirt on the crankshaft and the crankshaft pulley as shown in the figure using a rag.
 2. Wipe off the dirt on the crankshaft sprocket, the crankshaft pulley washer and the crankshaft pulley as shown in the figure and then degrease them.
- NOTE:** Degrease them to prevent slip in the start of the pressed area, which is caused by dirt.
3. Install the crankshaft pulley.
 4. Wipe off the dirt on the crankshaft pulley center bolt and the crankshaft pulley center bolt washer using a rag.
 5. Apply an adequate amount of engine oil to the threads of the crankshaft pulley center bolt and the lower area of the flange.

6. Tighten the crankshaft pulley center bolt with special tools MB990717 and MD990718 in the same manner as removal.
 7. Tighten the crankshaft pulley center bolt to the specified torque.
- Tightening torque: 210 N.m (155 ft.lbs)



- Removed steps:**
1. Timing chain (Refer to P. 114-67)
 2. Front crankshaft bearing cap assembly
 3. Crankshaft bearing
 4. Crankshaft bearing oil feeding cap
 5. Crankshaft bearing cap
 6. Crankshaft bearing cap

Required Special Tools:

- MB990717: Engine Hanger

- Removed steps (Continued):**
7. Crankshaft thrust bearing cap
 8. Crankshaft and crankshaft sprocket assembly
 9. Crankshaft bearing
 10. Cylinder head bolt
 11. Cylinder head bolt assembly
 12. Cylinder head assembly
 13. Cylinder head gasket

- MB990718: Engine Hanger

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