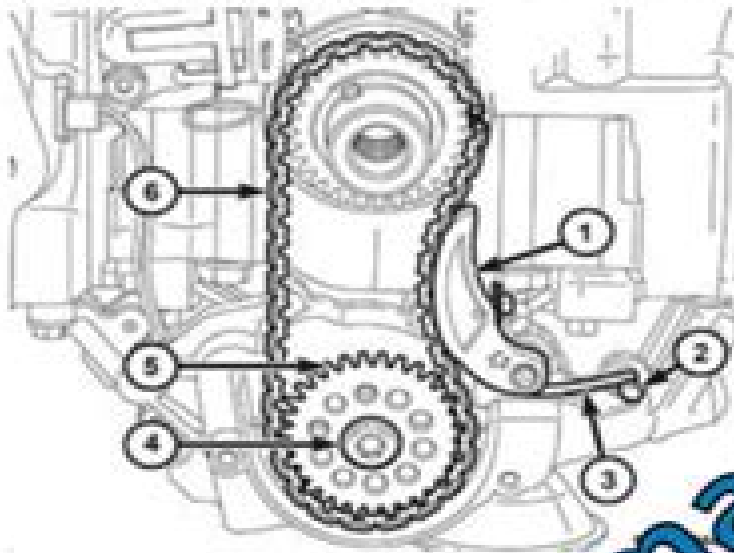


# Jeep Grand Cherokee 2011-2018 Workshop Manual

Fig 16: Oil Pump Chain Tensioner Spring, Cover Pin, Oil Pump Chain Tensioner, Oil Pump Sprocket, Retaining Bolt & Oil Pump Chain



19. Install the air cleaner intake body. Refer to BODY, AIR CLEANER.

20. Connect the negative battery cable.

21. Install the engine cover. Refer to COVER, ENGINE, INSTALLATION.

Fig 1: Lower Intake Manifold To Cylinder Head Cover



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30. Place the oil pump sprocket (2) into the oil pump chain (3). Place the oil pump chain tensioner spring (1) over the oil pump sprocket while aligning the oil pump sprocket with the oil pump sprocket retaining bolt (4) and tighten to the proper specification. Refer to TIGHTENING SPECIFICATIONS.

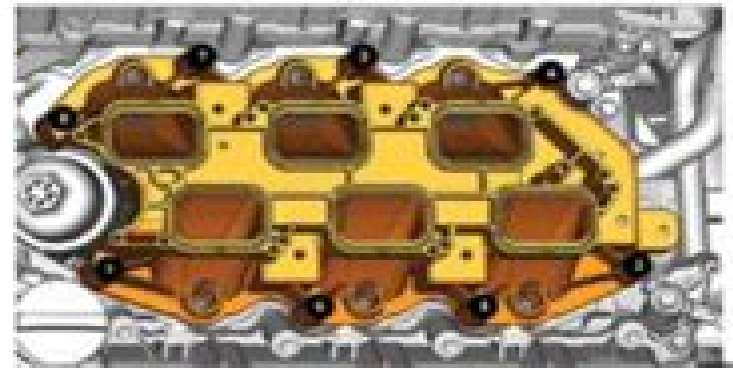
21. Install the oil pump chain tensioner (1). Insure that the spring is properly tensioned. Remove the cover pin (2).

Fig 17: Surface Union, Valve Cover Sealing Surface, Valve Cover, Rocker Bearing Cap Junction & Cover



1. Clean and inspect the sealing surfaces, the gaskets may be reused if no issues are found. Install the lower intake manifold to cylinder head gaskets.

Fig 2: Lower Intake Manifold Bolt Removal & Tightening Sequence



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2. Position the lower intake manifold on the cylinder head surfaces.

3. Tighten the bolts to the proper specification in the sequence shown in illustration. Refer to

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