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TYPICAL PAGE

Page heading indicates section and subsection detailed.

Subsection title indicates beginning of the subsection.

Italic sub-title above exploded view indicate pertaining models.

Drop represents a liquid product to be applied to a surface. In this case Loctite 243 to screw threads.

Exploded view assists you in identifying parts and related positions.

Bold face number indicates special procedure concerning this part.

Illustration number for publishing process.

Tightening torque nearby fastener. In this case, nut must be torqued to 145 N•m (107 lbf•ft).

CAUTION: Pay attention to torque specifications. Some of these are in lbf•in instead of lbf•ft. Use appropriate torque wrench.

Section 03 ENGINE
Subsection 04 (MAGNETO SYSTEM)

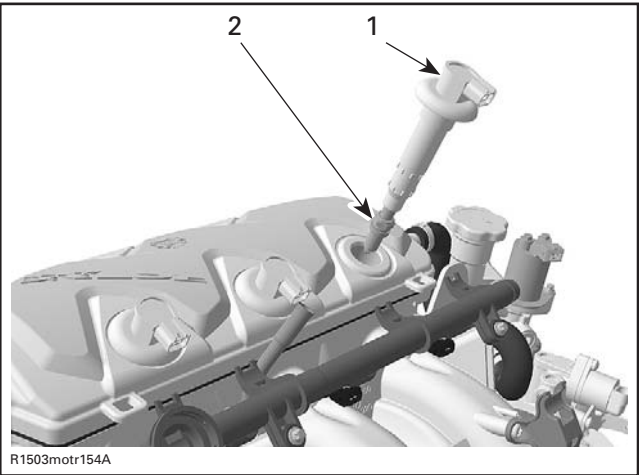
MAGNETO SYSTEM

717 Engine

Dotted box contains parts of a particular model or an exploded view.

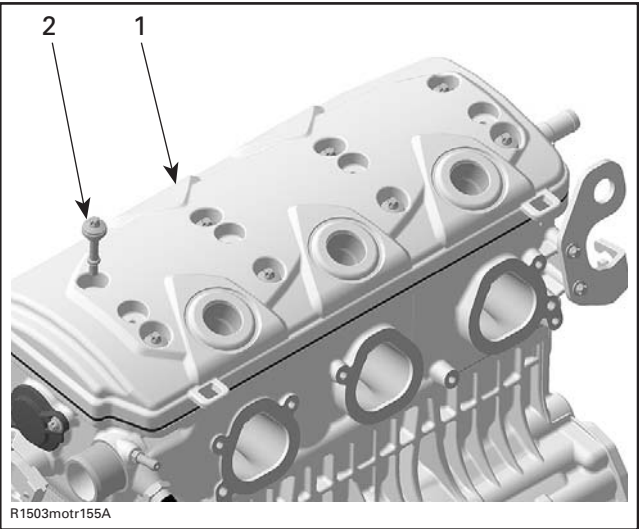
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Section 01 ENGINES (1503 4-TEC)
Subsection 01 (LEAK TEST)



- 1. Ignition coil
- 2. Spark plug

- Remove valve cover cowl.
- Unscrew and remove valve cover.



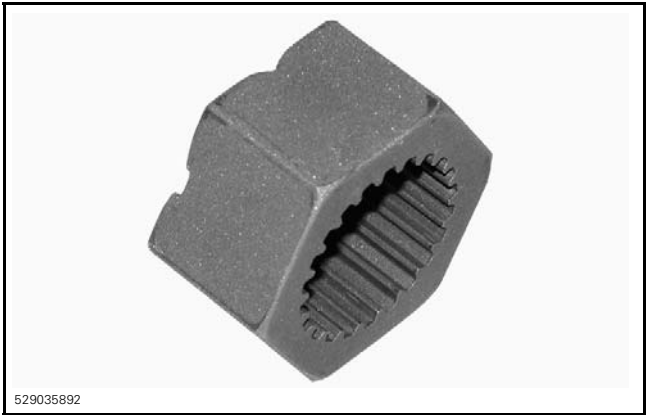
- 1. Valve cover
- 2. Valve cover screw

PROCEDURE

The following procedure has to be performed for each cylinder separately.

With an appropriate wrench lever, engine is rotated using the drive shaft adapter. Refer to the following table.

ENGINE	TOOL
1503 4-TEC Naturally Aspirated 1503 4-TEC Supercharged	Drive shaft adapter (P/N 529 035 892)
1503 4-TEC Supercharged Intercooled	Drive shaft adapter (P/N 529 035 985)



DRIVE SHAFT ADAPTER

Rotate engine counterclockwise until the cylinder no. 1 is at Top Dead Center (TDC) compression stroke.

NOTE: Cylinder numbers are molded on valve cover.

As the engine is turned over, observe the movement of intake rocker arm of the cylinder to be checked. After it completes the cycle and the intake valve closes, observe the piston. When it reaches its uppermost position that is TDC compression stroke.