

## Variable Camshaft Timing (VCT) Oil Control Solenoid

### Removal

**NOTICE:** Do not use excessive force when installing the VCT oil control solenoid. Damage to the mega cap could cause the cylinder head to be inoperable. If difficult to install the VCT oil control solenoid, inspect the bore and VCT oil control solenoid to ensure there are no burrs, sharp edges or contaminants present on the mating surface. Only clean the external surfaces as necessary.

**NOTE:** A slight twisting motion will aid in the installation of the VCT oil control solenoid

**NOTE:** Keep the VCT oil control solenoid clean of dirt and debris.

**NOTE:** Removal steps in this procedure may contain installation details.

### RH (right-hand) Variable Camshaft Timing (VCT) Oil Control Solenoids

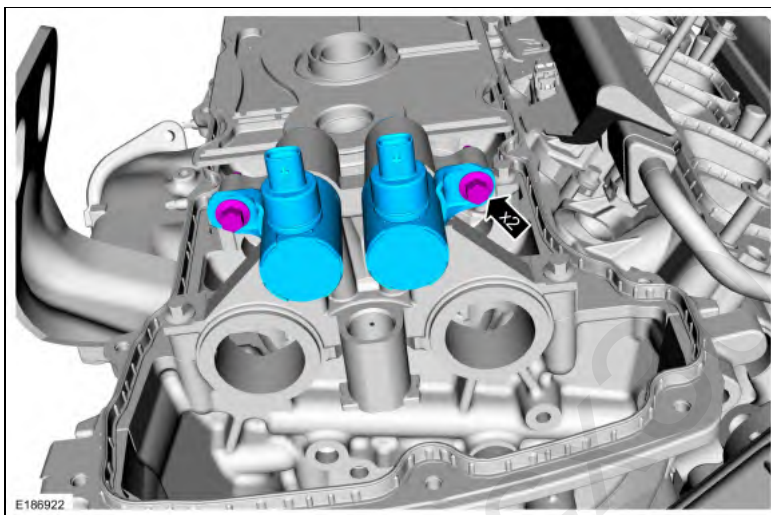
1. Remove the RH valve cover.  
Refer to: Valve Cover RH (303-01B Engine - 3.0L EcoBoost, Removal and Installation).

2. Remove the bolts and the VCT oil control solenoids.

*Torque:*

Stage 1: 71 lb.in (8 Nm)

Stage 2: 20Â°



### LH (left-hand) Variable Camshaft Timing (VCT) Oil Control Solenoids

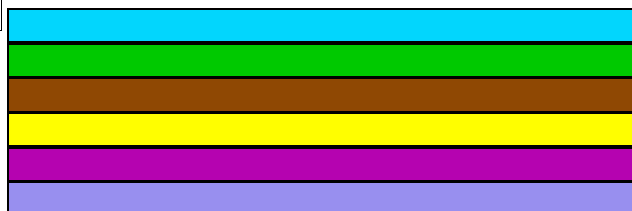
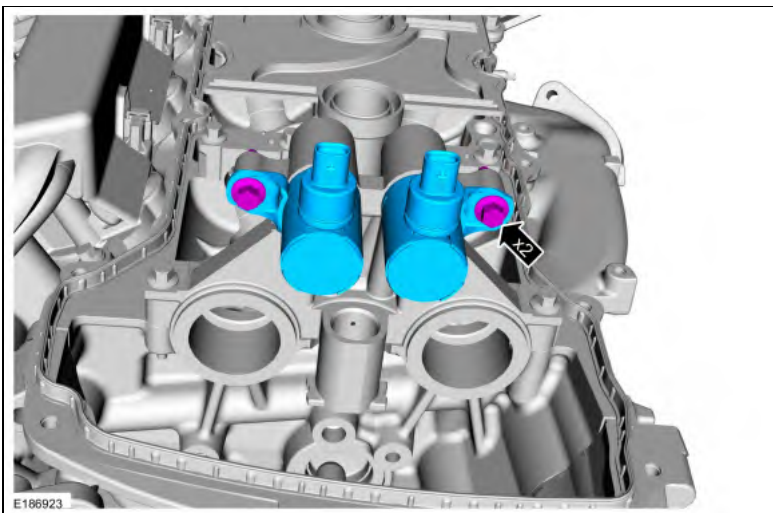
3. Remove the LH valve cover.  
Refer to: Valve Cover LH (303-01B Engine - 3.0L EcoBoost, Removal and Installation).

4. Remove the bolts and the VCT oil control solenoids.

*Torque:*

Stage 1: 71 lb.in (8 Nm)

Stage 2: 20Â°



### Installation

1. To install, reverse the removal procedure.

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