Ticking Noise on 2018-2020 Chrysler 3.6L Pentastar Engines

The AERA Technical Committee offers the following information regarding a ticking noise on 2018-2020 Chrysler 3.6L Pentastar engines. Vehicle owners may experience ticking noise and check engine lights on these engines. When the computer is scanned and if the following codes in Table 1 are found, replacement of certain parts in Table 2 are required. See Figure 1 for location of Bank 1 Exhaust Cam Phaser, Actuator and Exhaust Oil Control Valve (OCV).

Table 1:

PO Code	Description
P000A	Bank 1 Camshaft 1 Position Slow Response
P0365	Camshaft Position Sensor Circuit – Bank 1 Sensor 2
P0300	Multiple Cylinder Misfire
P105C	Intake valve Stuck in Low Position

Table 2:

Qty	Part Number	Description
1	05048044AC	Exhaust Oil Control Valve (OCV)
1	05048043AC	Exhaust Camshaft Phaser
1	05048045AC	Exhaust Cam Phaser Actuator
1	04893804AB	Valve Cover (Right)
1	04893806AB	Camshaft Phaser Actuator Seal (Right)



FIGURE 1: Bank 1 Exhaust Cam Phaser Actuator and OCV

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