

GPOP - Issue Review System

Part Number: 05047457A\$, 05047980A\$

Part Description: Multi-Air actuator assembly

Issue Description: When attempting to diagnose P Codes related to the MultiAir Unit, please note that there are multiple causes listed for each in the diagnostic procedure. This procedure must be followed to ensure the correct condition is being addressed. ~

Please verify the following (listed as the first step in diagnosis) is not present before attempting repair:~

- LOW ENGINE OIL
- INCORRECT OIL FILTER THAT DOES NOT MEET OEM SPECIFICATIONS
- OIL DIRTY OR DETERIORATED (Lack of scheduled oil changes)
- INCORRECT OIL VISCOSITY AND WEIGHT
- ENGINE OIL CONTAMINATED (i.e., coolant and/or fuel)~

If Multi-Air actuator assembly part numbers 05047457AE or 05047980AA are being ordered/replaced for Check Engine Lamp On and DTC P1037, P103A, P103D or P1040 (Cylinder X Oil Supply Valve Short To Ground) on an ED6 (2.4L Multi-Air) equipped vehicle.~

- 1) Disconnect the PCM connector harness and connect the Miller breakout tool (Adapter, GPEC Diagnostic 10436) to connector C2 of the PCM.~
- 2) Measure resistance across each set of the VVA solenoid signal/return pins on the module (pins 26&27, 1&25, 2&3 and 4&5).~
- 3) If each of the resistance readings is above 10K ohm (should measure around 15K ohm), the PCM is good.~
- 4) If any resistance reading is below 10K ohm, then the PCM is damaged and should be replaced instead of the Multi-Air actuator assembly.~

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Contact Us at CAGRIS@Chrysler.com for feedback related ONLY to this GPOP Tech Tip. DO NOT email regarding repair procedures unrelated to this Tech Tip or part order inquiries. Please include the Part Number (s) and Tech Tip Part Description of the Tech Tip you are referencing for our tracking system.
