


PRODEMAND

2004 Audi A8 4.2L Eng L Quattro


OBD-II DRIVE CYCLES

READINESS CODE GENERATING > DRIVE CYCLE PROCEDURE

1. Connect the diagnostic tester.
2. Switch the ignition on and start the vehicle.
3. Idle the vehicle for 2-3 minutes. This executes the O2S Heater, Misfire, Secondary AIR, Fuel Trim, and Purge system monitors.
4. Drive the vehicle at 45-55 mph for a continuous 7-minute period, avoid stopping. This executes the EVAP, O2S, Fuel Trim, and Misfire monitors.
5. Accelerate the vehicle to an engine speed of 5000 RPM (with automatic transmission use the tip-tronic mode); lift off from the throttle until the engine speed is at around 1200 rpm. This executes the fuel cut off monitor. Perform this step twice to execute the O2S rear monitor.
6. Accelerate the vehicle smoothly to 60-65 mph, cruise constantly for 5 min, this executes the Catalyst; O2S, Misfire, Fuel Trim, and Purge System monitors.
7. Decelerate and idle the vehicle again for 3 minutes. This executes the Misfire, Secondary AIR, Fuel Trim, and Purge system monitors.
8. Check the status of the readiness code.

 *NOTE: Depending on the diagnostic tester used. The readiness code status may be displayed as complete, passed or OK.*

9. If any engine monitor fails the drive cycle test. Repeat the drive cycle test until all engine monitors have successfully run through and passed.

 *NOTE: When repeating the drive cycle operation for a failed EVAP monitor or thermostat-monitor, allow the engine to cool until the coolant temperature and the ambient air temperature are between 10°C and 35°C with a difference between them no greater than 4°C is observed and repeat the drive cycle operation.*

10. If the drive cycle operation fails again.
11. Check the DTC memory for stored DTC's.

12. Repair the vehicle if necessary.
13. Repeat the drive cycle operation until all engine monitors have successfully run through and passed.
14. Remove the diagnostic tester and switch the ignition off.
15. End of operation.