

2004 Jaguar S-Type (X200) V8-4.2L

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DIAGNOSTIC MONITORS DRIVE CYCLES

Technicians can ensure that an OBD Monitor drive cycle is completed and that all or specific components have been checked by completing a specified drive cycle. Use the following service drive cycles to confirm that the components and subsystems covered by the Diagnostic Monitors are operating correctly.

HEATED OXYGEN SENSORS MONITOR DRIVE CYCLE

Upstream (Universal) oxygen sensors:

1. Engine **OFF** ; cooling fans inoperative **20 seconds** .
2. Start engine and bring to normal operating temperature **> 82 °C (180 °F)** .
3. Drive the vehicle between **3000-4000 rpm** in **3rd gear** at a steady speed. Lift foot completely off accelerator and coast to a stop within **30 seconds** . Do not touch accelerator pedal for **4 seconds** after coming to a stop.
4. Repeat step 3.
5. Idle engine for **11 minutes** .

Downstream oxygen sensors:

1. **Start engine and bring to normal operating temperature > 82 °C (180 °F)** .
2. Drive the vehicle steadily between **48 - 97 km/h (30 - 60 mph)** for **10 minutes** .
3. Drive the vehicle above **3000 rpm** in **3rd gear** at a steady speed. Lift foot completely off accelerator and coast for **30 seconds** .

Oxygen sensor heaters:

1. **Start engine and bring to normal operating temperature > 82 °C (180 °F)** .
2. **Idle engine for 3 minutes** .

ADAPTIVE FUEL MONITOR DRIVE CYCLE

1. **Start engine and bring to normal operating temperature > 82 °C (180 °F)** .
2. **Idle for a minimum of 10 minutes** .

MISFIRE MONITOR DRIVE CYCLE