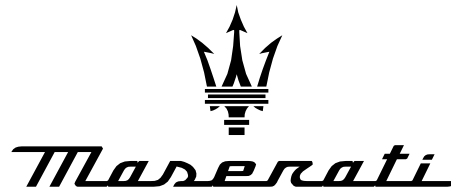


**Diagnostic Sheet**

FROM: Maserati TSO

TO: Maserati Network



PERSONAL SERVICE LAB

MASTERS OF CARE

# Misfire Warning Light on Single Bank

DATE: JULY 31, 2025

This bulletin provides diagnostic guidance for resolving misfire-related engine warning lights (MIL) that are isolated to one bank of cylinders. In many cases, these conditions are caused by improperly torqued ignition coil ground connections. Proper inspection and torque verification can prevent unnecessary repairs and reduce vehicle downtime.

**Models:** Quattroporte (M156), Ghibli (M157), Levante (M161) – V6 and V8 engines (ALL MY)

**TechDocs Section:** 01.90-2 – Electronic Management: Injection and Engine Timing Control

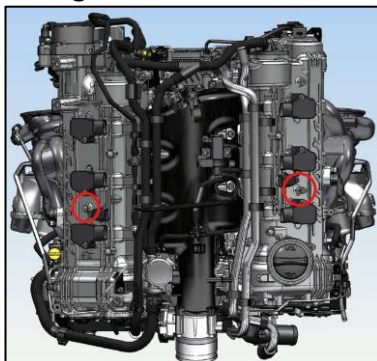
**Symptom / Concern:**

Illuminated **engine warning light (MIL)** with one or more misfire DTCs present on a **single cylinder bank**.

DTC	Description	Scenario on Bank 1		Scenario on Bank 2	
		V6	V8	V6	V8
P0300	Misfire of Different Cylinders	X	X	X	X
P0301	Cylinder 1 Misfire	X	X		
P0302	Cylinder 2 Misfire	X	X		
P0303	Cylinder 3 Misfire	X	X		
P0304	Cylinder 4 Misfire		X	X	
P0305	Cylinder 5 Misfire			X	X
P0306	Cylinder 6 Misfire			X	X
P0307	Cylinder 7 Misfire				X
P0308	Cylinder 8 Misfire				X

**Diagnostic Steps:**

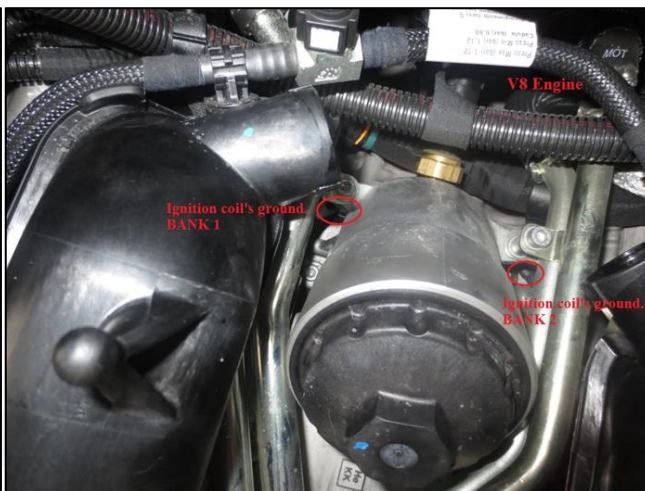
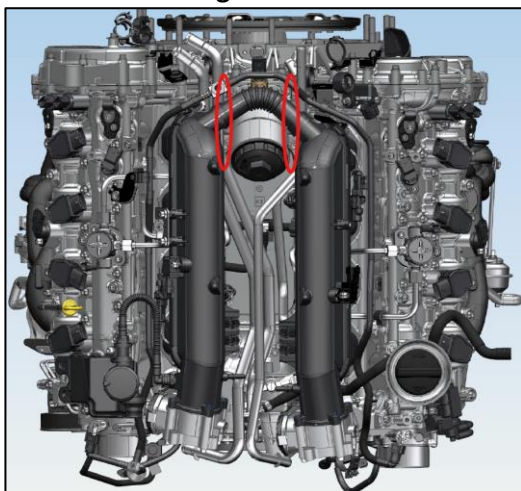
1. Connect the EVO and save the ECM DTC report.
2. Check if the misfire codes are concentrated on one bank (Bank 1 or Bank 2).
3. If so, inspect the ignition coil **ground connections**:
  - o **V6 Engines:**
    - Grounds are located on the cylinder head covers.
    - Remove the engine compartment cover to access them.
    - **Tighten to 10 Nm** if loose.



**Note:** If one or both are loose, tighten them to the correct torque, clear the DTCs, and verify proper operation of the vehicle with a short road test.

○ **V8 Engines:**

- Grounds are located near the engine oil filter support.
- Follow the specific service procedures for accessing and inspecting the grounds.
- **Tighten to 10 Nm** if loose.



4. Clear DTCs.
5. Perform a short road test to confirm resolution, Open a BOL as Support request if DTCs persist.

## Warranty Claim Information

Description	Code
Defect	19-SLOW CONTACT
Component Code	1.90.77.0 (Ignition Coils)
Operation Code	
<b>For V6 engine:</b>	
ENGINE COMPARTMENT COVER	9.15.001.0
ROAD TESTING	0.20.001.1
	TOTAL = 0.30 h
<b>For V8 engine:</b>	
ENGINE COMPARTMENT COVER	9.15.001.0
INTAKE MANIFOLD RH COMPLETE	1.40.043.0
INTAKE MANIFOLD LH. COMPLETE.	1.40.044.0
CENTRAL COMPENSATOR	1.40.048.0
SECONDARY WATER DELIVERY AND RETURN PIPE	1.71.141.0
WATER DELIVERY PIPE TO HEATER	1.71.147.0
WATER RETURN PIPE FROM HEATER	1.71.146.0
ROAD TESTING	0.20.001.1
	TOTAL Levante = 3.30 h
	TOTAL Ghibli = 2.70 h

### Required Documentation

To qualify for warranty reimbursement:

- Provide the ECM DTC report and indicate which ground(s) were found loose (if any).
- Attach evidence of the diagnostic steps.
- Submit documents via **Blue On Line** (if required) or directly with the warranty claim per bulletins **MAS004777**.

**⚠ Note:** Claims that do not meet these requirements will be rejected.