

Connection Diagrams – Single Ignition System

Engines 102/103/116/117 CFI, 104 CFI/LH-SFI



When diagnosing starting or warm up complaints, do not check engine at operating temperature, instead proceed according to specific complaint.

Diagnostic plug (060) to diagnostic socket (X11)	connect, disconnect
Trigger clamp (061) on ignition cable "1"	connect, disconnect
Kilovolt clamp (062) on ignition cable "4" of ignition coil T1	connect, disconnect
Oil thermometer (064) in engine oil dipstick tube	insert, remove
DC inductive clamp ¹⁾ (065) to battery G1 ground	connect, disconnect
Exhaust vent hose (014) to exhaust pipe	connect, disconnect
Vacuum connection with Y-adaptor (068) to DI control module (N1/3)	connect, disconnect
Vehicle data	enter.



Engine oil temperature approximately 80 °C	warm engine up.
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¹⁾ On model 129, connect to ground strap between engine, transmission and body (vehicle right side), or for inductive clamp connection to positive battery lead, remove passenger side floor mat and connect to positive cable.
 On model 140, connect to ground strap between engine, transmission and body (vehicle lower left side), (on engine 104 connect to starter positive cable).

Connection Diagrams – Single Ignition System

Engines 102/103/104 CFI

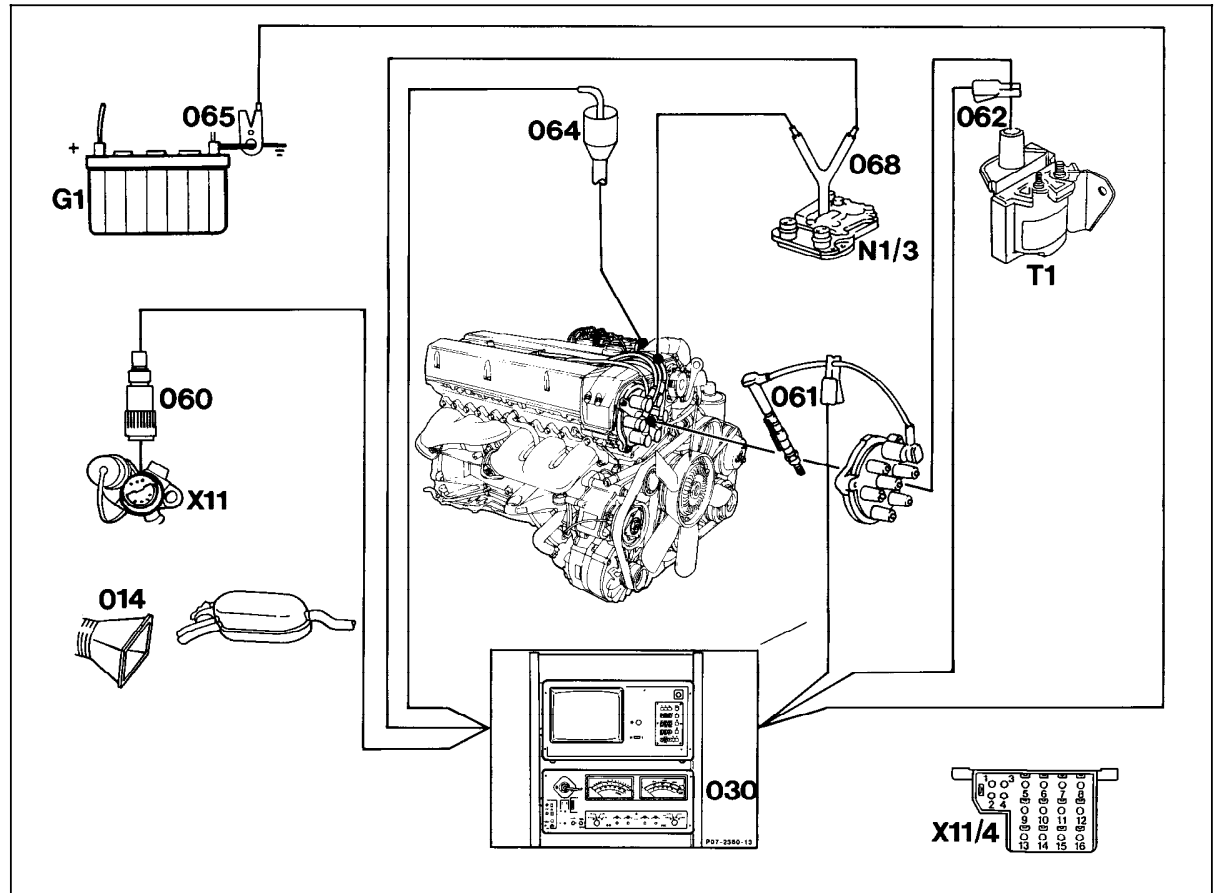


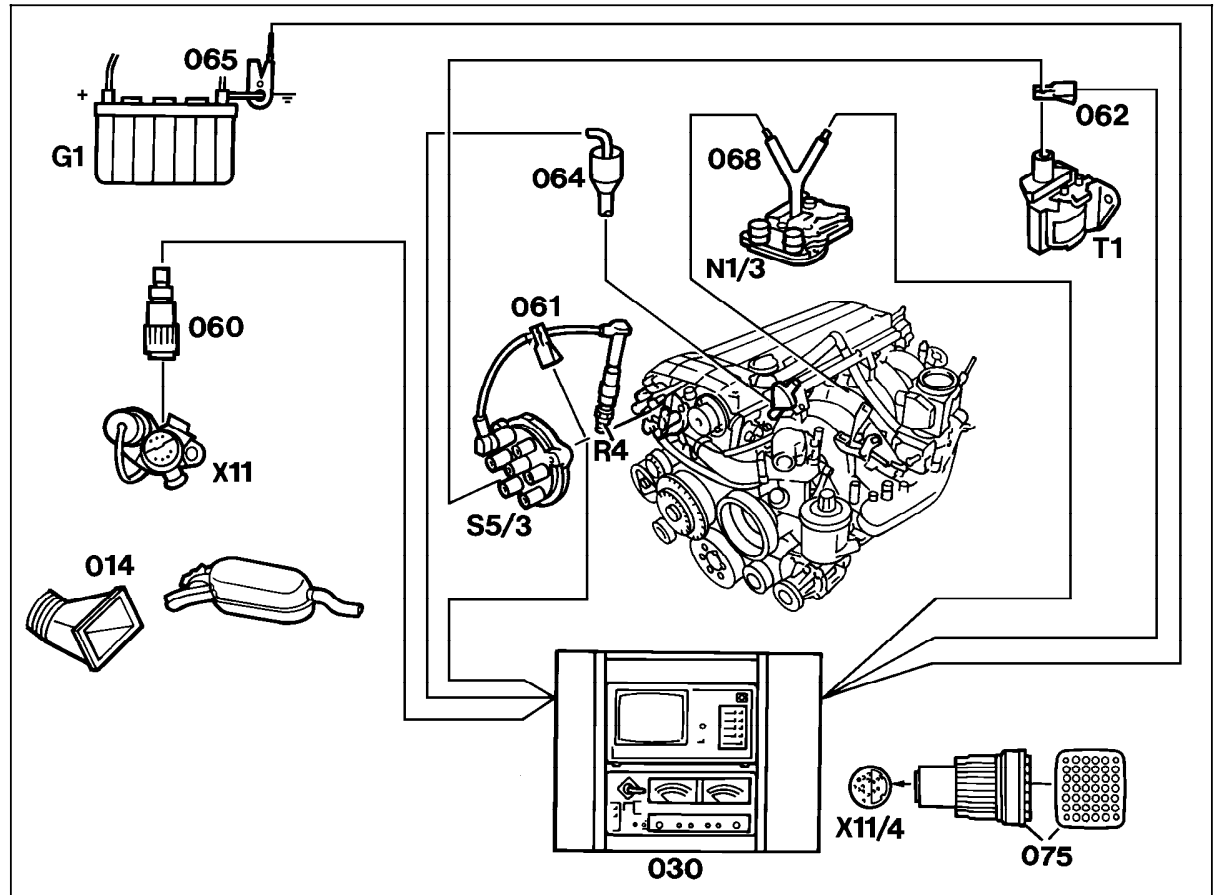
Figure 1

- G1 Battery
- N1/3 DI control module
- T1 Ignition coil
- X11 Diagnostic socket (9-pole)
- X11/4 Data link connector (DTC readout)
- 014 Exhaust vent hose
- 030 Engine analyzer
- 060 Diagnostic plug
- 061 Trigger clamp (cylinder 1)
- 062 Kilovolt clamp (on ignition coil)
- 064 Oil thermometer
- 065 DC inductive clamp
- 068 Y-adapter (vacuum)

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Connection Diagrams – Single Ignition System

Engine 104 LH-SFI



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Figure 2

- G1 Battery
- N1/3 DI control module
- R4 Spark plug
- T1 Ignition coil
- X11 Diagnostic socket (9-pole)
- X11/4 Data link connector (DTC readout)
- 014 Exhaust vent hose
- 030 Engine analyzer
- 060 Diagnostic plug
- 061 Trigger clamp (cylinder 1)
- 062 Kilovolt clamp (on ignition coil)
- 064 Oil thermometer
- 065 DC inductive clamp
- 068 Y-adaptor (vacuum)
- 075 Impulse counter scan tool adaptor

Connection Diagrams – Single Ignition System

Engines 116/117 CFI

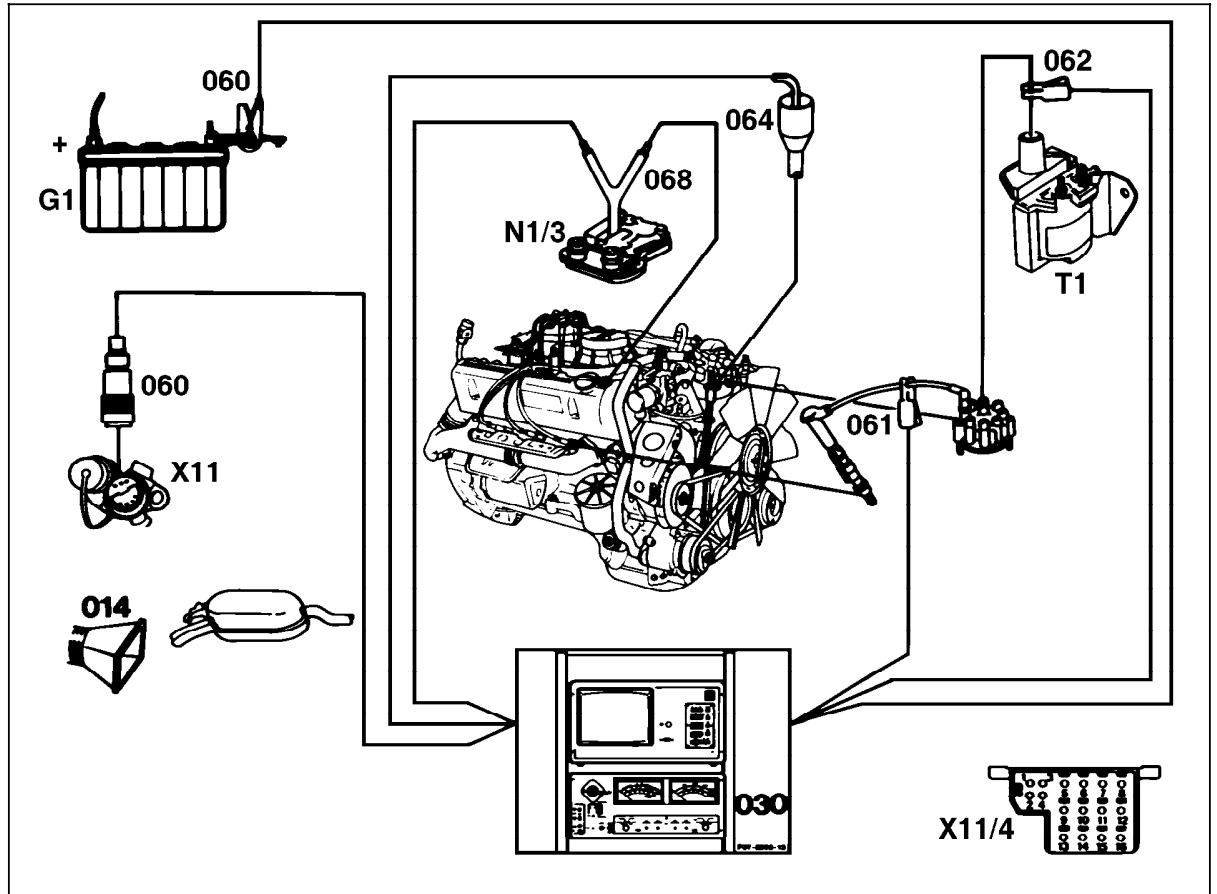


Figure 3

- G1 Battery
- N1/3 DI control module
- T1 Ignition coil
- X11 Diagnostic socket (9-pole)
- X11/4 Data link connector (DTC readout)
- 014 Exhaust vent hose
- 030 Engine analyzer
- 060 Diagnostic plug
- 061 Trigger clamp (cylinder 1)
- 062 Kilovolt clamp (on ignition coil)
- 064 Oil thermometer
- 065 DC inductive clamp
- 068 Y-adaptor (vacuum)

U07-0310-57