

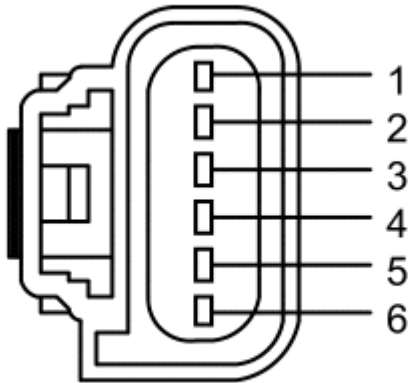
DC: Mass Air Flow (MAF) Sensor Introduction

[DC: Pinpoint Tests](#) →

This pinpoint test is intended to diagnose the following:

- mass air flow (MAF) sensor (12B579)
- harness circuits: MAF SIG, MAF RTN, vehicle power (VPWR), power ground (PWRGND), IAT and SIGRTN
- powertrain control module (PCM) (12A650)

Mass Air Flow/Intake Air Temperature (MAF/IAT) Sensor Connector



A0077520

Pin	Circuit
1	IAT (Intake Air Temperature)
2	SIGRTN (Signal Return)
4	MAF RTN (Mass Air Flow Return)
3	MAF (Mass Air Flow)
5	PWRGND (Power Ground)
6	VPWR (Vehicle Power)

Powertrain Control Module (PCM) Connector

For PCM connector views or reference values, refer to [Section 6](#).

Vehicle	Connector	Pin	Circuit
E-Series 4.6L, E-Series 5.4L, Escape / Mariner,	190-Pin	B40	MAF
		B41	MAF RTN

Expedition, F-150, Focus, Navigator			
Edge, Flex, MKS, MKX, Sable, Taurus, Taurus X	190-Pin	B41 B42	MAF MAF RTN
Fusion, Milan, MKZ	140 Pin	B41 B42	MAF MAF RTN
All other vehicles	170 Pin	E25 E26	MAF MAF RTN

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