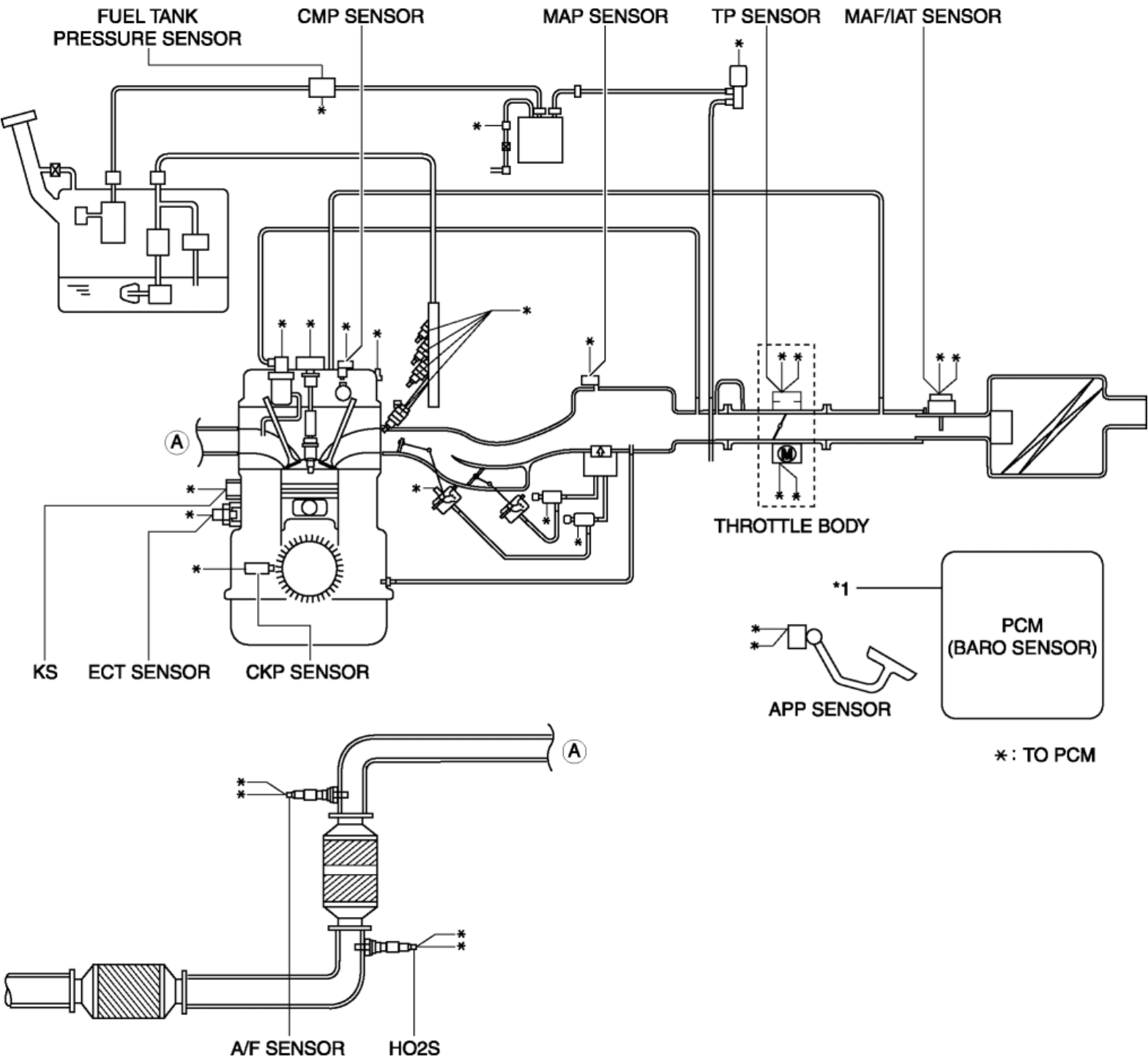


2012 - Mazda6 - Engine

CONTROL SYSTEM DIAGRAM [MZR 2.5]



*1: CPP SWITCH (MTX), NEUTRAL SWITCH (MTX), VARIABLE TUMBLE SHUTTER VALVE POSITION SENSOR, PSP SWITCH

A detailed schematic diagram of an engine and its associated air intake and sensor systems. The diagram shows the engine block with various sensors connected to it. The sensors are labeled as follows:

- FUEL TANK PRESSURE SENSOR**: Located at the top left, connected to the fuel tank.
- CMP SENSOR**: Located at the top center, connected to the engine's camshaft position.
- MAP SENSOR**: Located at the top center, connected to the manifold absolute pressure.
- TP SENSOR**: Located at the top right, connected to the throttle position.
- MAF/IAT SENSOR**: Located at the top right, connected to the mass air flow and intake air temperature.
- KS**: Located at the bottom left, connected to the crankshaft position.
- ECT SENSOR**: Located at the bottom left, connected to the engine coolant temperature.
- CKP SENSOR**: Located at the bottom left, connected to the crankshaft position.
- THROTTLE BODY**: Located in the center right, showing the throttle cable and throttle plate.
- PCM (BARO SENSOR)**: Located at the bottom right, connected to the powertrain control module.
- APP SENSOR**: Located at the bottom right, connected to the accelerator pedal position.
- A/F SENSOR**: Located at the bottom left, connected to the air/fuel ratio.
- HO2S**: Located at the bottom left, connected to the oxygen sensor.

The diagram also includes a legend indicating that the asterisk (*) symbol represents a connection to the PCM. Various lines and arrows indicate the flow of air and the electrical connections between the sensors and the PCM.

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