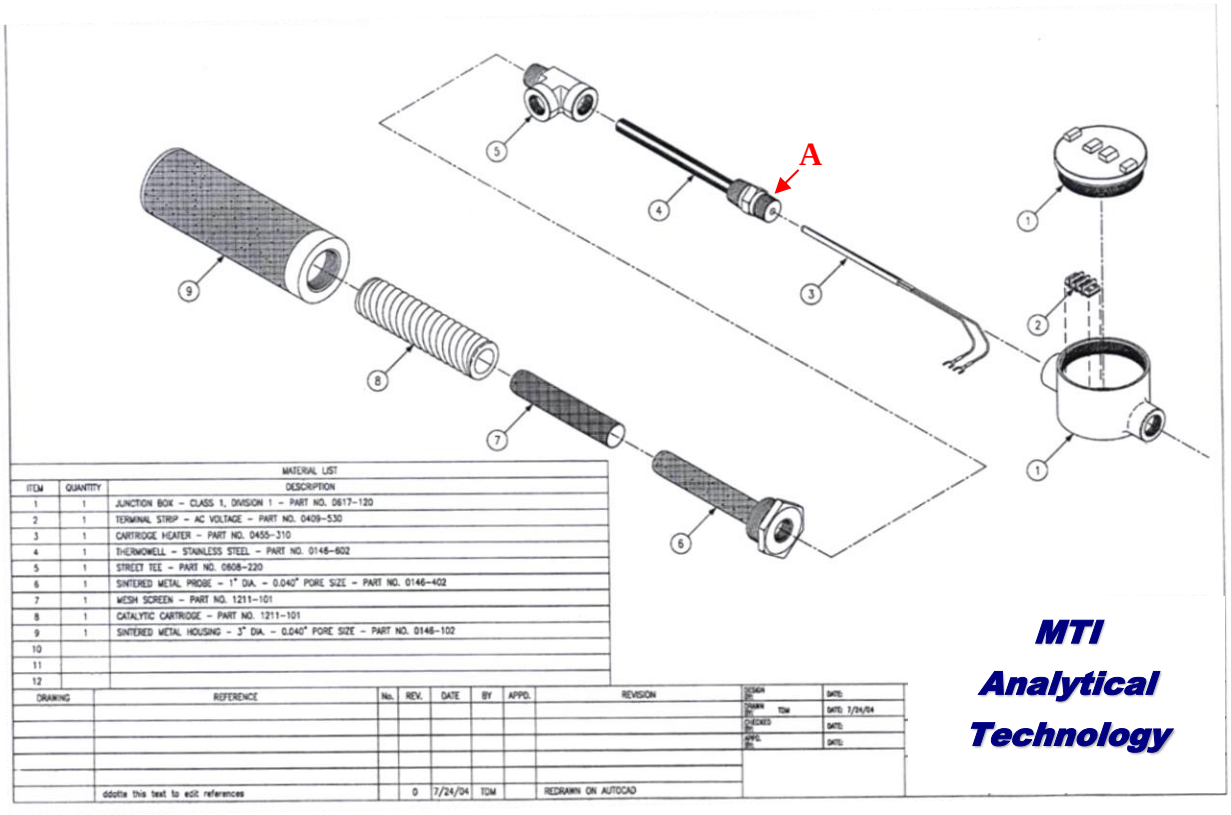
Catalytic Convertor
Replacement of Cartridge Heating Element (ver 1906)

1. Remove electrical junction box cover (1) after deenergizing circuit power.
2. Disconnect cartridge heating element leads from terminal strip (2) in electrical junction box.
3. Remove Catalytic Convertor upper assembly from the electrical junction box. (Remove at juncture labeled **"A"**) This will entail disconnecting sample inlet piping.



4. Extract cartridge heating element (3) from thermowell housing and replace with new unit.
5. If integral, optional type J Thermocouple (P/N 0455-310TCJ-120) is supplied; the red (non-magnetic, negative) and white (magnetic, positive) leads are for the thermocouple.
   If integral, optional Type K Thermocouple (P/N 0455-310TCK-120) is supplied, the red (non-magnetic, negative) and yellow (magnetic, positive) leads are for the thermocouple.
6. Reassemble the upper assembly onto the electrical junction box ("A").
7. Attach the cartridge heating element to the terminal strip (2) in the electrical junction box.
8. Extend the thermocouple wires, if supplied, to customer supplied terminal.
9. Replace the electrical junction box cover (1) and reenergize power to circuit.

Temperatures more than 500º F above ambient indicate functioning of the cartridge heater and greater than the base temperature above ambient indicate functioning of the catalyst cartridge. Actual temperatures above base will depend upon heat content of gases exhausted to the Catalytic Convertor unit.

Items referenced in this document were manufactured in the United States of America.