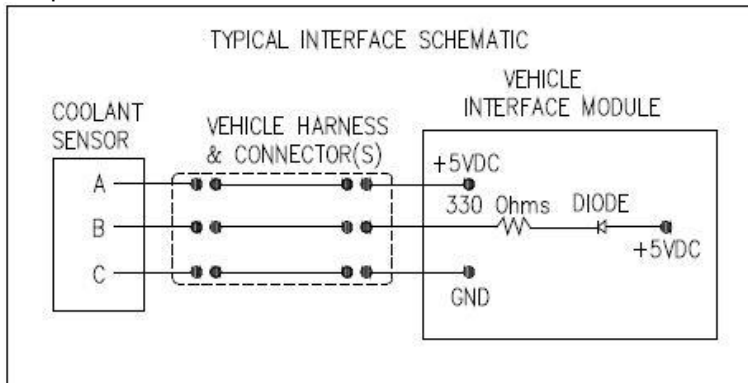


CASCO COOLANT SENSORS SPECIFICATIONS

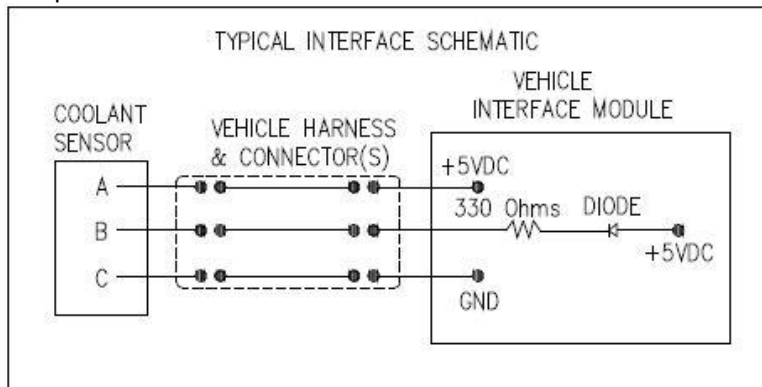
1. SENSOR P/N 1035100001

- **Thread size:** 1/4 – 18 NPTF, Standart Pipe Thread
- **Install torque:** 26 inch lbs Max.
- **Loctite Dryseal on the threads:** Yes
- **Connector:** Mates with Packard electric connector 12110293
Pin A - Power, Pin B - Output and Pin C - Ground
- **Operating pressure:** 20 PSI Max.
- **Electrical Specifications:**
Power = 4.75 – 5.25 VDC 12.5mA Max.
Output = 1.20 ±0.25 VDC in COOLANT, 3.75 ±0.25 VDC in AIR
Output SNK Current – 11 mA Max. (Vout = 1.20V)
Output Source Current – 0.5 mA Max. (Vout = 3.75V)
Output DC Resistance to Ground – 200k ohms



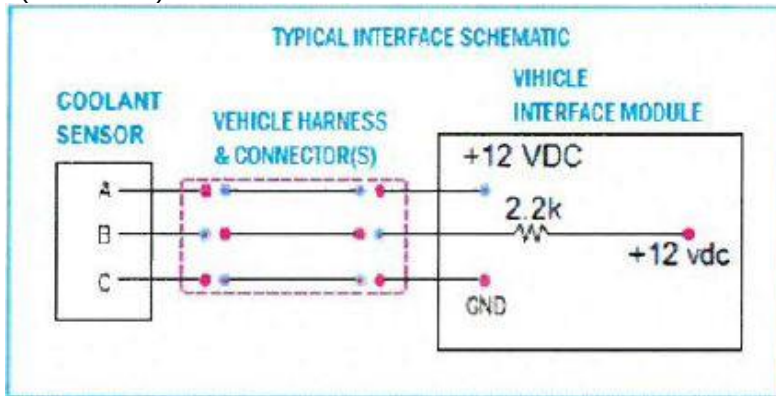
2. SENSOR P/N 1035100002

- **Thread size:** 1/4 – 18 NPTF, Standart Pipe Thread
- **Install torque:** 26 inch lbs Max.
- **Loctite Dryseal on the threads:** Yes
- **Tip terminals:** with Fluoropolymer Coating
- **Connector:** Mates with Packard electric connector 12110293
Pin A - Power, Pin B - Output and Pin C - Ground
- **Operating pressure:** 20 PSI Max.
- **Electrical Specifications:**
Power = 4.75 – 5.25 VDC 12.5mA Max.
Output = 1.20 ±0.25 VDC in COOLANT, 3.75 ±0.25 VDC in AIR
Output SNK Current – 11 mA Max. (Vout = 1.20V)
Output Source Current – 0.5 mA Max. (Vout = 3.75V)
Output DC Resistance to Ground – 200k ohms



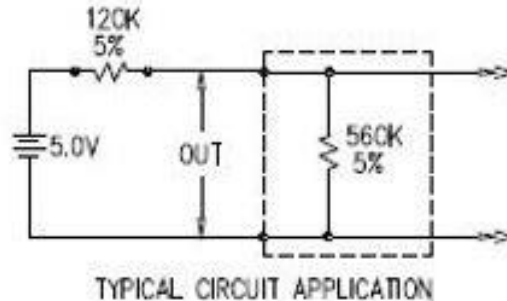
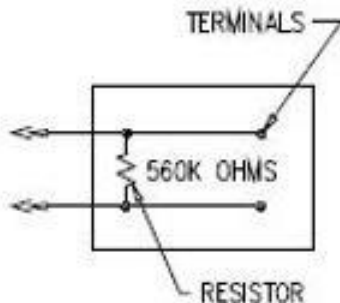
3. SENSOR P/N 1035100007

- **Thread size:** 1/4 – 18 NPTF, Standart Pipe Thread
- **Install torque:** 26 inch lbs Max.
- **Loctite Dryseal on the threads:** Yes
- **Tip terminals:** with Fluoropolymer Coating
- **Connector:** Mates with Packard electric connector 12110293
Pin A - Power, Pin B - Output and Pin C - Ground
- **Operating pressure:** 20 PSI Max.
- **Electrical Specifications:**
Power = 9.0 – 16.0 VDC 20mA Max.
Output = 12 VDC in COOLANT, ≤ 0.3 VDC in AIR
(To Ground) = $2.4k \pm 5\%$



4. SENSOR P/N 700670

- **Thread size:** 1/4 – 18 NPTF, Standart Pipe Thread
- **Install torque:** 26 inch lbs Max.
- **Loctite Dryseal on the threads:** Yes
- **Connector:** Mates with Packard electric sealed connector P/N 15300027
- **Typical electrical performance with 30% to 70% Ethylene Glycol / water mixture**
 - a. Open harness 5.0V
 - b. Out of fluid: $4.19V < 4.89V$
 - c. In fluid: $2.52V < 3.50V$
 - d. Shorted harness: $< 0.5V$



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