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Fuel Gauge Testing

1. Go into the instrumentation and perform a gauge test (instructions in the chassis manual)
2. Did the gauge pass the test (sweep from empty to half to full)?
    a. No, look at the wiring from instrumentation processor to the fuel gauge.
    b. Yes, move on to 3
3. What is the fuel gauge reading? Empty --1/8--1/4--3/8--1/2--5/8--3/4--7/8--Full
4. How much fuel is in the fuel tank? Empty --1/8--1/4--3/8--1/2--5/8--3/4--7/8--Full
5. What are the ohm readings at the fuel sender to negative battery post? _____ohm
6. What are the ohm readings on circuit 10 (tan wire) at the instrumentation processor to negative battery post? _____ohm

Empty ---1/8-----1/4-----3/8-----1/2-----5/8-----3/4-----7/8---Full. Known tank fuel level.
---0------11.25--22.50--33.75--45.00--56.25--67.50--78.75--90.00. At the fuel sender
---0------11.25--22.50--33.75--45.00--56.25--67.50--78.75--90.00. At the instrumentation processor
Empty ---1/8-----1/4-----3/8-----1/2-----5/8-----3/4-----7/8---Full. Fuel gauge reading

7. Does the Known tank fuel level and at the fuel sender ohm readings match?
    a. No, look at the fuel sender.
    b. Yes, move on to 8
8. Do the fuel sender and instrumentation processor ohm readings match?
    a. Yes, look at the connection of circuit 10 (tan wire) to the instrumentation.
    b. No, move on to 9
9. Does the Fuel gauge reading change when the head lights or the windshield wipers are turned on?
    a. Yes, look at the ground connections from the instrumentation processor and the fuel sender back to negative battery post
    b. Call Jim Symonds at (616) 881-3216