

Fuel Pump Current Ramping

Meets NATEF Task: (A8-D-3) Inspect and test fuel pump for pressure, regulation and volume; perform necessary action. (P-1)

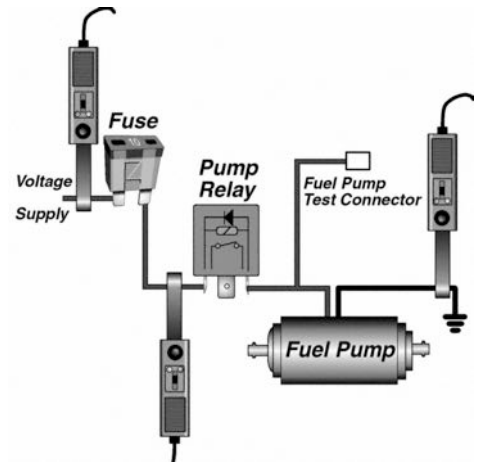
Name _____ Date _____ Time on Task _____

Make/Model/Year _____ VIN _____ Evaluation: 4 3 2 1

_____ 1. Check service information for the specified fuel pump operating speed (normally from 3500 to 7500 RPM).

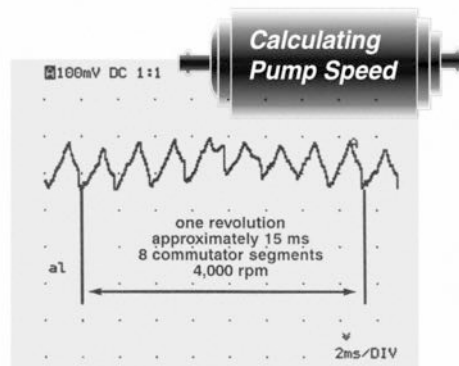
_____ 2. Tools and equipment needed to determine the rotational speed of the fuel pump include:

- _____ Digital storage oscilloscope
- _____ Current clamp
- _____ Fused jumper lead



_____ 3. Perform a current ramping procedure and determine the following:

- _____ Number of commutator segments = _____ (usually 8, 10, or 12)
- _____ Milliseconds needed for one rotation of the pump = _____
- _____ Fuel pump speed = $60,000 \div \text{milliseconds} =$ _____



_____ 4. Based on the test performed, what is the necessary action? _____
