

► TASK Use fused jumper wires to check operation of electrical circuits.

MAST
6A6

CDX Tasksheet Number: C295

NOTE Using a jumper wire to bypass components can cause damage if performed incorrectly. Never bypass the load in any circuit. Normally it is acceptable to bypass switches and some speed controlling resistors. If in doubt, ask your instructor.

Time off	_____
Time on	_____
Total time	_____

1. **Ask your instructor to assign you a vehicle equipped with an electric cooling fan controlled by a relay.**
2. **Research the wiring diagram for the cooling fan circuit. Draw a diagram of that circuit.**
3. **Locate the cooling fan relay.**
4. **Draw a diagram of the relay socket and label each terminal with where the wire comes from, or goes to.**
5. **Label the diagram with the two points to which you believe the jumper wires should be placed.**
6. **Apply the parking brake and make sure the vehicle is in park or neutral.**
7. **Ask your instructor to verify your answers and where you plan to place the fused jumper wire. Have him/her watch you during the next portion of this task to ensure no damage is done to the vehicle's electrical system.**
 - a. **Supervisor's/instructor's initials:** _____
8. **Turn the ignition switch to the run position, but do not start the vehicle (Key On, Engine Off - KOEO).**
9. **Use the fused jumper wire to activate the relay by jumping the terminals that connect to the relay contacts.**
 - a. **List your observation(s):**

10. Determine any necessary action(s):

11. Have your supervisor/instructor verify satisfactory completion of this procedure, any observations found, and any necessary action(s) recommended.

Performance Rating

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Supervisor/instructor signature _____ Date _____