

NATEF Task A6 A7, 10 (P-1)

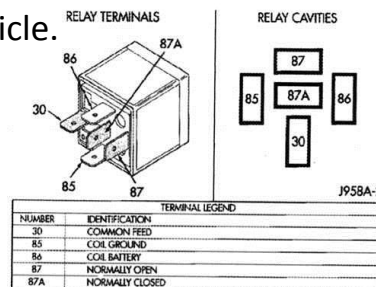
Using Fused Jumper Wires: Testing a standard relay out of the vehicle

Name: _____ Date: _____ Period: _____

Year: _____ Make: _____ Model: _____

Objective: Student will test a standard relay out of the vehicle.

- Materials:**
1. EYE PROTECTION
 2. DVOM
 3. Relay
 4. Fused jumper wires (see instructor)



Procedure: Wear eye protection. Test each terminal on the relay for continuity (ohms) with each of the other terminals on the relay. Note which terminals have continuity and record the ohm's value in chart below. Attach fused jumper wires on relay to coil battery and coil ground terminals, then connect opposite ends of jumper wires to corresponding + and - terminals on a 12VDC power source. Measure resistance between terminal 30 and 87, then terminal 30 and 87A. Retest with jumpers off. Document findings below.

No power to relay						Power to 86 and ground to 85			
Terminal	30	87	87A	85	86	Terminal	30	87	87A
30	-NA-					30	-NA-		
87	-NA-	-NA-				87	-NA-	-NA-	
87A	-NA-	-NA-	-NA-			87A	-NA-	-NA-	-NA-
85	-NA-	-NA-	-NA-	-NA-					

Does the relay test operational? _____

INSTRUCTORS EVALUATION

LEVEL OF SKILL ATTAINED	Initial	OVERALL SKILL EVALUATION	Points
DEMONSTRATES MASTERY (5)		DOCUMENTATION COMPLETENESS (1)	
PERFORMS SATISFACTORILY (4)		SAFETY COMPLIANCE (1)	
CAPABLE, NEEDS PRACTICE (3)		WORK PROFESSIONALISM (3)	
ASSISTED IN PERFORMING (2)		LEVEL OF SKILL ATTAINED (1-5)	
EXPOSURE, OBSERVATION (1)		TOTAL SCORE	
INSTRUCTOR'S SIGNATURE:			

A6A5-A6A6 Using Wiring diagrams / 4-24-17 / vdb