

## **Set Opposite Code**

**Meets NATEF Task:** (A8-B-2) Diagnose the causes of emissions or driveability concerns resulting from malfunctions in the computerized engine control system with stored diagnostic trouble codes. (P-1)

Name	Date	Time on Task
Make/Model/Year	VIN	Evaluation: 4 3 2 1
If a diagnostic trouble code is set, a opposite code after clearing the orig clear the DTC and attempt to set a D	inal code. For example, i	if a throttle position (TP) code is set,
• If a signal high DTC is set, of unplug the sensor and a sign		e ignition switch on (engine off),
•	gnal terminal in the conne	or and using a jumper wire, connect ector (not at the sensor). Turn the should set.
1. Set a DTC for TP or MA		
<ul><li>a. Which sensor was</li><li>b. What code set?</li><li>c. Meaning of code set</li></ul>	s used? set?	
<b>2.</b> Clear the DTC.		
<b>3.</b> Disconnect the sensor with to set the opposite code.	ring and use a jumper wir	re la
<ul><li>a. What code was so</li><li>b. OK NO</li></ul>	et? OT OK	
Results:		
If the opposite code <i>does</i> set sensor (component) itself.	, the cause of the original	DTC is the result of a fault in the

If the opposite DTC does not set, the problem is likely due to a wiring fault.

opposite code.

**NOTE:** Always consult a factory service manual for the factors that must be met for a

DTC to be set. Be sure that all factors are present when attempting to set the