

# SERVICE BULLETIN

DATE: 14 August 1989

BULLETIN NUMBER: 175

MODEL: Diesel Generators WMD, BCD, BTD up to 12.5 KW and BTDA up to 12.5 KW

SUBJECT: Fuel Solenoid #023041 Circuit Improvement

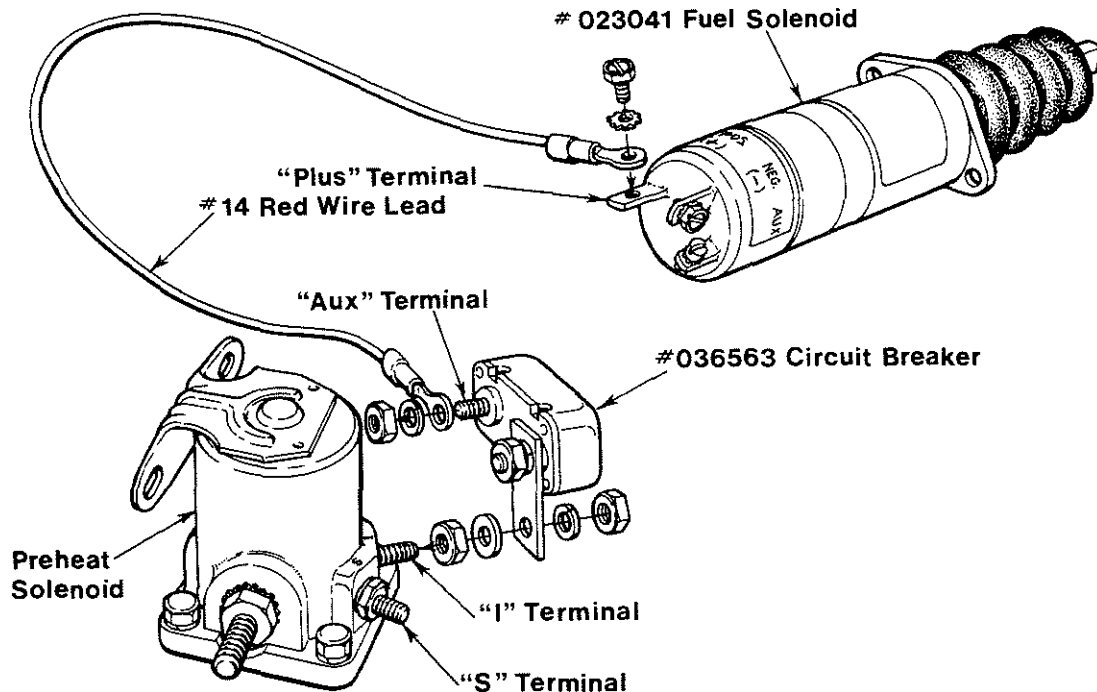
In an effort to prevent fuel solenoid failures that are the result of a voltage loss/reduction in the fuel solenoid circuit during "preheat" and "start," this circuit is now energized using battery voltage available at the "I" terminal on the preheat solenoid when this solenoid is energized during "preheat."

Early model WMD, BCD, BTD and BTDA units up to 12.5 KW can incorporate this circuit by installing circuit breaker assembly #036563 to the vacant "I" terminal of the unit's preheat solenoid and running a #14 red wire from the "aux" terminal of the circuit breaker assembly over to and connecting with the leads presently attached to the "plus" terminal of the fuel solenoid #023041. Ensure this wire is secured and protected against chafing and engine hot areas it passes near.

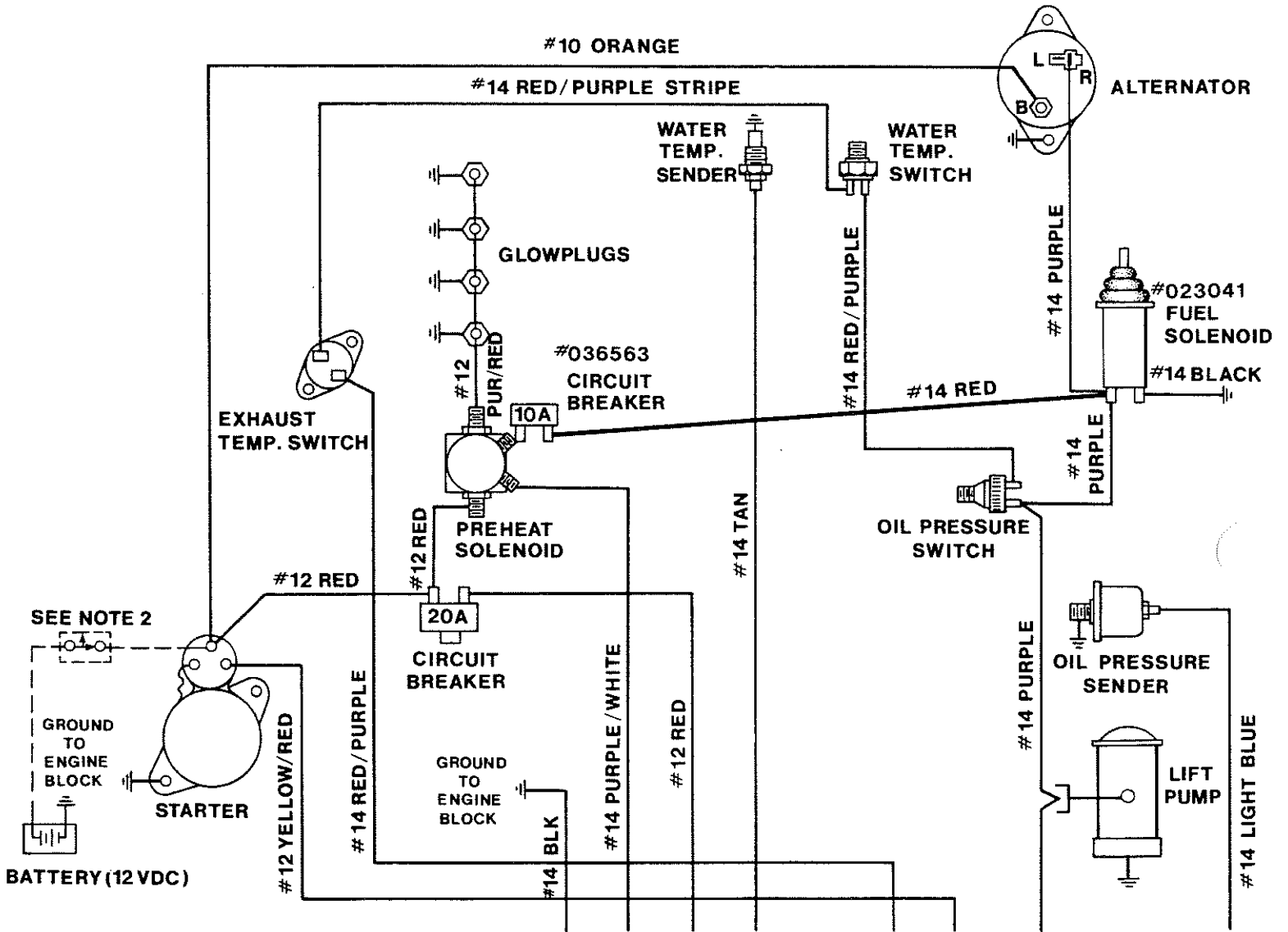
The wiring diagram, on the reverse of this page shows this circuitry being installed on earlier model diesel generators as listed above.

NOTE: The "I" terminal 10 - 32 threads, circuit breaker connection #10 terminal end for #14 wire, fuel solenoid (plus) terminal #8 terminal end for #14 wire, and #14 wire - length as required.

Illustration of Circuit Breaker and Red Wire Lead  
Between the  
Preheat Solenoid and Fuel Solenoid



# WIRING DIAGRAM



NOTE: The issuing of this service bulletin is not justification for the submitting of a warranty claim for the installation of this circuit.