1971 Corvette: Service Bulletin: Anti-Diesel Relay

Subject: Anti-Diesel Relay
Model and Year: (1971) All Passenger Cars and Light Trucks with Air Conditioning Except Vega
Source: Chevrolet Dealer Service Technical Bulletin
Bulletin No: 71-T-44
Section: Ia
Date: Aug. 5, 1971

TO: ALL CHEVROLET DEALERS

Delcotron feedback at the anti-diesel relay can result in a shorted transistor in the timing circuit of the relay. A shorted transistor will cause the anti-diesel relay to hold the air conditioning compressor clutch engaged continuously, after the engine is turned off, draining the battery.

A new anti-diesel relay, with a suppression diode across the relay coil to protect the transistor, entered production the week of April 26, 1971, at all assembly plants. Also, a blocking diode is being installed at the voltage regulator to prevent Delcotron feedback on all models except Corvette. The Corvette uses the new relay but, due to the integrated regulator, does not require the voltage regulator blocking diode.

For service on light trucks, to prevent Delcotron feedback to the anti-diesel relay, blocking diode, Part Number 6273302, should be installed at the voltage regulator as outlined under Service Procedure - Truck.

On passenger cars, Delcotron feedback to the anti-diesel relay can be prevented by relocating the relay feed wire at the fuse block, from the ignition

terminal to the accessory terminal. Installing the blocking diode at the voltage regulator is not necessary.

These changes should be made on early production vehicles in for normal service or in dealer stock to avoid future possible customer inconvenience.

In instances where the anti-diesel relay is found to be shorted, the relay should be replaced with relay, Part Number 6273301, in addition to the above changes.

Chevrolet Motor Division
General Motors Corporation

SERVICE PROCEDURE - TRUCK

Blocking Diode Installation

1. Disconnect wiring harness from voltage regulator.
2. Remove brown wire from the plastic connector.
3. Install the blocking diode between the voltage regulator connector and the brown wire as illustrated in Figure 1.
4. Connect harness to voltage regulator.

SERVICE PROCEDURE - PASSENGER CARS

Relocating Feed Wire

1. Unplug feed wire from ignition terminal of fuse block.
2. Trim off indexing tab from side of plastic connector on wire terminal.
3. Install feed wire into accessory terminal in fuse block.

Replacing Anti-Diesel Relay - All

1. Disconnect battery.

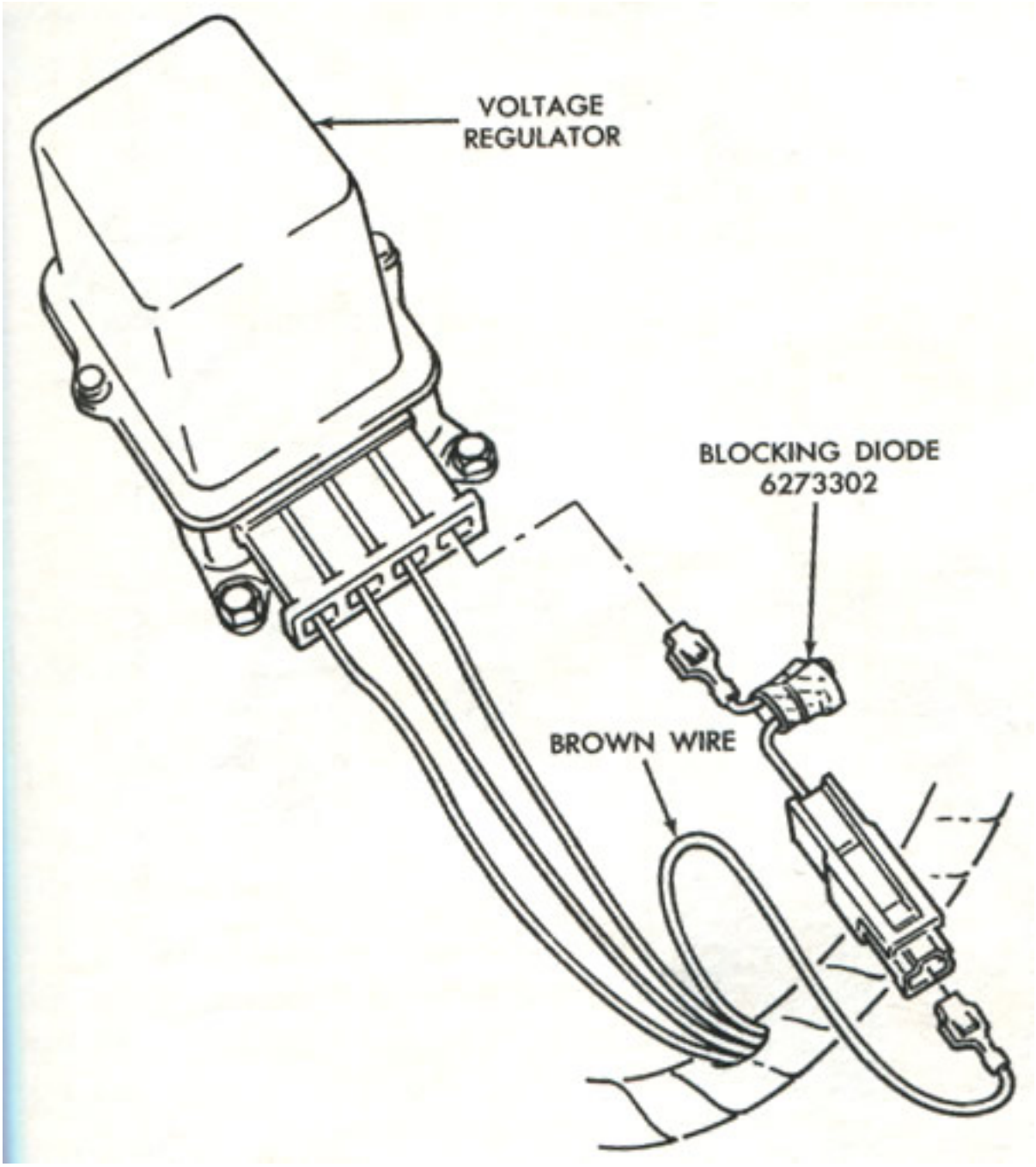
   CAUTION: When replacing the anti-diesel relay, the battery must be disconnected. A voltage surge through the relay that is not grounded will short the relay.

2. Replace the relay making sure the relay is grounded at its mounting.
3. Connect battery.

WARRANTY CLAIM DATA

PART COUNT	PART NUMBER	TOTAL PARTS NET + 25%	FAILURE CODE	FAILED LABOR OPER.	LABOR OPER. HOURS	OTHER LABOR HOURS	SUBLET DMN TOWING
1	*	*	92	019690	**		

* Use applicable part number and part price.
** Relocate feed wire or install blocking diode .2.
** Relocate feed wire or install blocking diode and replace anti-diesel relay .3.



Online URL:
https://www.corvetteactioncenter.com/tech/knowledgebase/article/1971-corvette-service-bulletin-anti-diesel-relay-1164.html