

# COMPLETE FUEL SYSTEM SERVICE

## Tools Needed

“S”-Tool #74100

Cleaner Application Tool #75600

Universal Induction Tool #72175

## Products Needed

SOLTEC™ Induction System Cleaner #33001

SOLTEC™ Fuel-Injector Flush #32001

SOLTEC™ Fuel System Decarbonizer #33101

SOLTEC™ Fuel Treatment #30001



## Throttle Body Service

Bring the engine to operating temperature and then turn off the car. Have the ball-valve closed and the “S”-Tool #74100 attached to the Cleaner Application Tool #75600 (*see Figure A*). Pour two (2) bottles of SOLTEC™ Induction System Cleaner #33001 into the canister and tighten the cap (*see Figure B*). Apply shop air to the Cleaner Application Tool. Remove the air boot from the Throttle Plate. Position the “S”-Tool Adapter into the air boot.



*Figure A*



*Figure B*

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## *Throttle Body Service (continued)*

Spray toward the Throttle Plate and reattach the air boot (*see Figure C*). Increase the engine idle to a range of 1,000-1,200 rpms. Adjust the air pressure on the Cleaner Application Tool between 70-80 pounds (*see Figure D*). Open the ball-valve and check for leaks. If there are no leaks, run until the entire contents of the SOLTEC™ Induction System Cleaner #33001 has been applied. Close the ball valve and disconnect the shop air from the Cleaner Application Tool. To eliminate the SOLTEC™ Induction System Cleaner #33001 which has “puddled” in the intake system and avoid hydro-locking the engine, the engine should continue to idle for 3-5 minutes after the completion of the service. Disconnect the Cleaner Application Tool, open pressure relief valve on cap and reconnect the air boot at the Throttle Body.



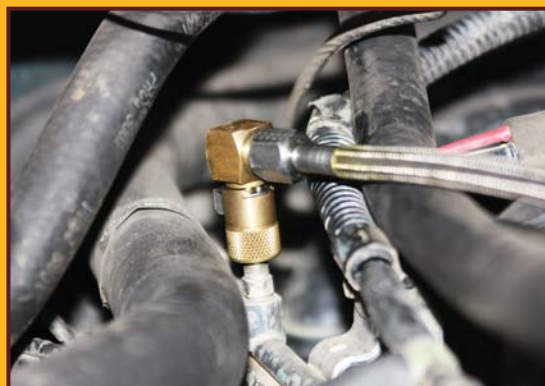
**Figure C**



**Figure D**

## *Rail Fuel Injector Service*

Disconnect the vehicle's fuel pump. Pour SOLTEC™ Fuel-Injector Flush #32001 product into the Cleaner Application Tool #75600 and tighten the cap. Attach the Cleaner Application Tool to the vehicle's fuel injector line with the appropriate fuel injector adapters (*see Figure E*). Set the pressure five (5) psi lower than the vehicle's fuel regulator pressure rating; in most cases 35 psi (plug off the return line if applicable) (*see Figure F*). Start the engine and run until product is finished. The engine will start to stall. Stop the engine, turn ball valve to off, disconnect the Cleaner Application Tool, and reconnect the fuel pump (and return line if necessary). Start engine and check for leaks, tighten connections as necessary.



**Figure E**



**Figure F**

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## *Maintenance Induction Service*

Attach SOLTEC™ Fuel System Decarbonizer #33101 to the Universal Induction Tool #72175. Be sure the needle valve is in the closed position. Remove the vacuum hose nearest the Throttle Body, insert the nipple attachment of the Universal Induction Tool into the vacuum port (*see Figure G*). Start the vehicle's engine and increase the idle to a range between 1,500-2,000 rpms. Slowly open the needle valve to allow the product to enter the system (*see Figure H*). If the engine stumbles, decrease the flow until the engine runs smoothly. The service is complete when the contents of the SOLTEC™ Fuel System Decarbonizer is installed. Shut off the engine and remove the Universal Induction Tool from the intake port. Reattach the vacuum hose. Drive vehicle to blow out any residual product.



**Figure G**



**Figure H**

## *Tank Additive*

Pour the bottle of SOLTEC™ Fuel Treatment #30001 in to the Fuel Tank (*see Figure I*). To gain maximum efficiency, the fuel tank should be at least half full.



**Figure I**