

TROUBLESHOOTING AFC

| Condition                                  | Cause                                | Correction - Testing Instructions  |
|--|--------------------------------------|--|
| 1. Engine will not start or poor start     | AFC relay (XVI) defective.           | Check power supply.  |
| 2. Engine starts, but stops again          | Fuel pump not running.               | Check pump fuse. Voltage at relay and fuel pump?   |
| 3. Rough engine idling                     | Cold start valve won't open.         | Resistance about 4 ohms. Check ejection.   |
| 4. Poor acceleration                       | Cold start valve leaks.              | Check for leaks in pressure test.  |
| 5. Engine misfiring in all load conditions | Temp. time switch defective.         | Check switching point.   |
| 6. Excessive fuel consumption              | Auxiliary air regulator won't open.  | Visual inspection: warm engine - valve closed<br>cold engine - valve opened, electrics okay                          |
| 7. Max. power output not reached           | Intake air sensor defective.         | Check movement of sensor plate. Eliminate dirt.  |
| 8. CO level at idle speed too high         | Pump relay defective.                | Check power supply.  |
| 9. CO level at idle speed too low          | Leak in intake system.               | Check intake pipes, bolted equipment and all hose connections for leaks.   |
|  | Fuel injectors defective.            | Check injection action by feeling.   |
|  | Fuel pressure too low or zero.       | Check pressure, filter, fuel lines, pressure regulator.  |
|  | Fuel pressure too high.              | Pressure reg. / intake pipe conn. hose connected? Fuel return line clogged or pinched? Pressure regulator defective? |
|  | Temp. sensor II in engine defective. | Measure resistance.  |
|  | Throttle won't close.                | Service throttle valve. Align accelerator linkage. Then adjust throttle.   |
|  | Throttle won't open fully.           | Adjust accelerator linkage and cable to final stop.  |
|  | Poor central ground. Loose contacts. | Eliminate faults.  |
|  | Wrong plug connections.              |  |
|  | Break in wire harness and plugs.     | Eliminate break.   |
|  | Throttle switch defective.           | Check adjustment. Check full throttle and idle contacts.   |
|  | CO level setting too rich.           | Check idle speed and CO level.   |
|  | CO level setting too lean.           | Check idle speed and CO level.   |
|  | Oxygen sensor defective.             |  |
|  | Control unit defective.              |  |

Requirements for troubleshooting:  
Ignition, electrical system and engine  
in perfect mechanical or operating  
condition.