



IGNITION TIMING

Service repair no - 86.35.15

Adjust

1. It is essential that following procedures are adhered to. Inaccurate timing can lead to serious engine damage and additionally create failure to comply with emission regulations. If timing is being checked in vehicle, air conditioning compressor must be disengaged.
2. On initial engine build, or if distributor has been disturbed for any reason, ignition timing must be set statically to the figure given:

If engine is 3.9 V8. **See ENGINE TUNING DATA, Information, ENGINE - 3.9 V8**

If engine is 4.2 V8. **See ENGINE TUNING DATA, Information, ENGINE - 4.2 V8**



NOTE: This approximate setting is made only to ensure that engine may be started.



CAUTION: On no account must engine be started before this operation is carried out.

Equipment required :-

**Calibrated Tachometer
Stroboscopic lamp**

3. Couple stroboscopic timing lamp and tachometer to engine following manufacturer's instructions.
4. Disconnect vacuum hose from distributor.
5. Start engine. With no load, and without exceeding 3,000 rev/min run engine until normal operating temperature is reached. (Thermostat open). Check that engine idles within tolerance.

If engine is 3.9 V8 check tolerance in. **See ENGINE TUNING DATA, Information, Engine - 3.9 V8**

If engine is 4.2 V8 check tolerance in. **See ENGINE TUNING DATA, Information, Engine - 4.2 V8**

6. Idle speed for timing purposes must not exceed 800 rev/min.
7. Run engine at idle speed and check timing using stroboscope light on timing marker and pointer.



WARNING: Keep hands and equipment away from drive belt.

8. If timing is not as specified, switch off engine. Loosen distributor clamp bolt and turn distributor to advance or retard ignition as necessary. Tighten clamp bolt, start engine and recheck timing.



WARNING: Personal injury may result if an attempt is made to adjust distributor whilst engine is running.

9. Upon completion, switch off engine and tighten distributor clamping bolt securely. Recheck timing, to ensure retightening has not disturbed distributor position.
10. Refit vacuum hose.
11. Disconnect stroboscopic timing lamp and tachometer from engine.