

Ignition Timing

Meets NATEF Task: (Not specified by NATEF)

Name _____ Date _____ Time on Task _____

Make/Model/Year _____ VIN _____ Evaluation: 4 3 2 1

Specifications:

- _____ 1. Timing *specifications*: _____ BTDC at _____ RPM.
- _____ 2. According to a service manual, what had to be done before checking the ignition timing? _____

Hook-Up and Procedure:

- _____ 3. Connect the power to the timing light according to the manufacturer's directions (usually to + and - of the battery).
- _____ 4. Hook the inductive pickup to the #1 cylinder near the distributor.
- _____ 5. Chalk the timing marks.
- _____ 6. Remove and plug the vacuum hose at the distributor, if required. Computer-equipped engines require exact timing procedures. Consult the underhood decal for timing information.
- _____ 7. The engine should be warm and at the correct timing RPM.
- _____ 8. Timing was at _____ **OK** _____ **NOT OK** _____
- _____ 9. If the timing is incorrect, loosen the nut at the bottom of the distributor (base) and rotate the distributor until the timing marks line up.
- _____ 10. Tighten the distributor hold-down and recheck the timing.
- _____ 11. Reinstall the vacuum lines or set timing connections.

