



COURSE NUMBER

AMT 160

Student Name _____

CO-OP I TASK LIST

Upon completion of a task, the student should enter the date of completion and an authorized employee of the dealership must then validate that the task has been successfully completed by initialing next to the date.

Basic Automotive Servicing Tasks

1. Use shop manual to find a specific repair procedure for a given vehicle _____
2. Perform a complete lube, oil, and filter change _____
3. Perform automatic transmission fluid and filter change. _____
4. Perform a cooling system drain and refill _____
5. Perform a cooling system performance check _____
6. Perform a new car set-up, including completion of the necessary form _____
7. Replace front brake pads _____
8. Replace rear brake shoes _____
9. Machine brake drum and rotor _____
10. Perform a wheel bearing cleaning, inspection and repack _____
11. Dismount, inspect, remount and balance tire and wheel assembly _____
12. Perform recommended tire rotation _____
13. Perform Pennsylvania state inspection service _____
14. Perform headlight adjustment with headlight aiming equipment _____
15. Perform used car safety inspection, and complete necessary forms _____
16. Perform EEC tests using NGS _____
17. Perform EEC tests using SBDS _____
18. Perform EEC tests using WDS _____
19. Demonstrate OASIS and publication use on QCDealer.com _____
20. Bulb replacement _____
21. Windshield wiper R and I _____
22. Audio system/radio R and I and reset stations _____
23. Door panel R and I _____

Electrical System Tasks

- 1. Check applied voltage drops in electrical circuits using digital voltmeters; determine needed repair _____
- 2. Check current flow in electrical circuits and components using an ammeter; determine needed repairs _____
- 3. Check continuity and resistance in electrical circuits and components using a digital ohmmeter; determine needed repair _____
- 4. Check electrical circuits using jumper wires; determine needed repairs (horns, lights) _____
- 5. Inspect, test, and replace fusible links, circuit breakers, and fuses _____

Battery Concerns

- 1. Diagnose the cause(s) of abnormal battery drain; determine needed repairs. _____
- 2. Inspect, clean, fill, and replace battery _____
- 3. Perform battery capacity (load, high-rate discharge) test; determine needed service _____
- 4. Maintain or restore electronic memory functions _____
- 5. Recharge a weak or dead battery _____
- 6. Inspect and clean battery posts and cable ends _____
- 7. Jump-start a vehicle using battery cables or power supply _____

Starting System Concerns

- 1. Perform starter current draw test; determine needed repairs _____
- 2. Perform starter circuit voltage drop test; determine _____
- 3. Remove, bench test and replace/reinstall starter _____

Charging System Concerns

- 1. Diagnose charging system problems that cause an undercharge, no charge, or an overcharge condition _____
- 2. Inspect and adjust alternator drive belts; replace as needed _____
- 3. Perform charging system output test; determine needed repairs _____
- 4. Perform charging circuit voltage drop tests; determine needed repairs _____
- 5. Remove and replace/reinstall alternator _____
- 6. Disassemble, clean, inspect, and replace alternator brushes and/or voltage regulator _____

Ignition System Concerns

1. Perform cylinder power balance tests _____
2. Inspect and test ignition system secondary using and ignition oscilloscope _____
3. Inspect and test ignition system secondary using SBDS _____
4. Inspect and test ignition primary circuit wiring and components _____
5. Inspect and test an ignition Hall triggering device _____
6. Inspect and test a variable reluctance sensor _____
7. Inspect and test ignition control module _____
8. Inspect and test an ignition coil _____
9. Remove distributor, R&I stator, reinstall distributor _____
10. Check and adjust ignition timing _____
11. Perform a Basic Tune-up _____
12. Diagnose ignition related no start and poor running conditions _____

For the following skills use wiring diagrams to determine needed electrical circuit repairs and diagnose the cause of poor, intermittent, or no:

- courtesy light operation _____
- stoplight operation _____
- back-up light operation _____
- horn(s) operation _____
- rear window defogger operation _____
- electric door and hatch/trunk lock operation _____
- turn signal operation _____
- power seat operation _____
- power window operation _____
- power lock operation _____
- power side mirror operation _____
- air bag system _____
- speed control system _____
- windshield wiper system _____
- window washer system _____
- fuel gauge _____
- oil pressure gauge _____
- coolant temperature gauge _____
- headlight circuit _____
- tail lamp circuit _____
- parking lamp circuit _____