



COURSE NUMBER: FMC161

Spring-Year 1

Student Name _____

CO-OP II 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.

Work Area: Electronic Systems

1. Interpret and verify complaint; determine needed repairs _____
2. Routinely checks OASIS and TSBs for pertinent info _____
3. Performs preliminary and visual checks _____
4. Diagnose non-PCM driveability concerns _____
5. Use of the appropriate Service Manual _____
6. Use of the appropriate EVTM _____
7. Use of the appropriate PCED _____
8. Use of the following equipment:
 - Breakout Box _____
 - Digital Volt/Ohm Meter _____
 - Integrated Diagnostic System (IDS) _____
9. Perform code retrieval _____
10. Perform Self Tests _____
11. Diagnose system faults that don't generate a code. _____
12. Diagnose intermittent faults _____
13. Diagnose concerns in the following areas:
 - Thermistor sensor circuits _____
 - Potentiometer sensor circuits _____
 - Frequency generating sensor circuits _____
 - Variable reluctance sensor circuits _____
 - Piezoelectric sensor circuits _____
 - Hall Effect Sensor circuits _____

- Oxygen sensor circuits _____
- Fuel delivery system _____
- Fuel Injection system _____
- Emission systems _____

14. Perform pinpoint diagnosis when appropriate _____

Work Area: Brakes

1. Check master cylinder fluid condition and adjust level as needed _____
2. Check master cylinder for internal and external leaks and proper operation; determine needed repairs _____
3. Bench bleed master cylinder _____
4. Replace master cylinder _____
5. Inspect brake lines and hoses; replace as needed _____
6. Diagnose poor stopping, noise, pulling, grabbing, dragging, or pedal pulsation using road test and visual inspection _____
7. Perform front disc brake repair including replacement of brake pads, rebuilding calipers, and machining rotors following manufacturer's recommended procedures _____
8. Perform rear drum repair including replacement of brake shoes and wheel cylinders, and machining of brake drums following manufacturer's recommended procedures _____
9. Check parking brake system; lubricate, adjust and or replace as needed _____
10. Test operation of vacuum operated power assist unit; determine needed repairs _____
11. Check operation of hydraulic valves (metering, proportioning, pressure differential, and combination) _____
12. Clean, inspect & repack front wheel bearings on rear wheel drive vehicle _____
13. Test parking brake indicator lights, switches, and wiring _____
14. Test, adjust, repair or replace brake stop light switch and wiring _____
15. Diagnose and repair an anti-lock brake system _____

Work Area: Steering and Suspension

1. Inspect manual and power steering fluid levels and condition _____
2. Diagnose power rack and pinion steering gear looseness, and hard steering problems; determine needed repairs _____
3. Diagnose power steering fluid leaks _____
4. Remove and replace manual or power rack and pinion steering gear _____
5. Flush power steering system _____
6. Remove and replace power steering pump _____
7. Inspect and replace power steering pump pulley _____
8. Replace power steering hose(s) _____
9. Inspect steering and suspension for worn parts; replace as needed _____
10. Replace worn steering parts such as inner and outer tie rod ends, pitman arm, idler arm, steering center link, etc. _____
11. Replace broken or worn suspension parts such as upper and lower ball joints, bushings, stabilizer links, springs, etc. _____
12. Inspect and replace MacPherson strut cartridge or assembly _____
13. Inspect and replace shock absorbers _____
14. Diagnose wheel bearing noise _____
15. Inspect and service or replace front and or rear wheel bearings _____
16. Diagnose vehicle wandering, pulling, hard steering, and poor steering return; determine needed repairs _____
17. Measure riding height _____
18. Perform 4 wheel alignment; make all necessary adjustments _____
19. Center steering wheel _____
20. Inspect abnormal tire wear; determine probable cause(s) _____
21. Diagnose wheel/tire vibration, shimmy, and tramp problems; determine needed repairs _____
22. Diagnose tire pull (lead) problems; determine corrective actions _____
23. Diagnose & repair electronically controlled variable power steering system _____
24. Diagnose and repair electronically controlled suspension system _____