

Engine Repair Proposal

Directions:

For this *Project*, you will utilize engine schematics, diagrams, service-repair manuals and parts catalogs to complete a repair order.

Consider the information provided to you, but if there is information missing, you should research and be creative to develop a reasonable scenario to fit the situation. For example, you will have to invent customer contact information and will have to choose an engine make and model. Be sure you include all sections discussed in the presentation in the repair order.

If you are in a small engines class, choose one of the small engine problems. If you are in a diesel engines class, choose one of the diesel engine problems.

Small Engine Problems

1. Mark Wallace has come to your repair shop with his snow blower. He is having problems with rough idling, and you have decided the carburetor needs to be replaced.
2. Shane Arnold has come to your repair shop with his hedge trimmers. His engine will not start properly, and you have decided the spark plug needs to be replaced.
3. Peyton Brown has come to your repair shop with his lawn mower. The engine will not crank, and you have decided the crankshaft needs to be replaced.

Diesel Engine Problems

1. Luke Hayes has come to your repair shop with his tractor. The engine requires increased cranking time in order to start, and you have decided the injector needs to be replaced.
2. Tyler Powell has come to your repair shop with his company excavator. The engine has become progressively harder to start as the temperature drops, and you have decided the glow plugs need to be replaced.
3. Marcus Chambers has come to your repair shop with his tractor trailer. The vehicle loses power while accelerating, and you have decided the fuel pump needs to be replaced.