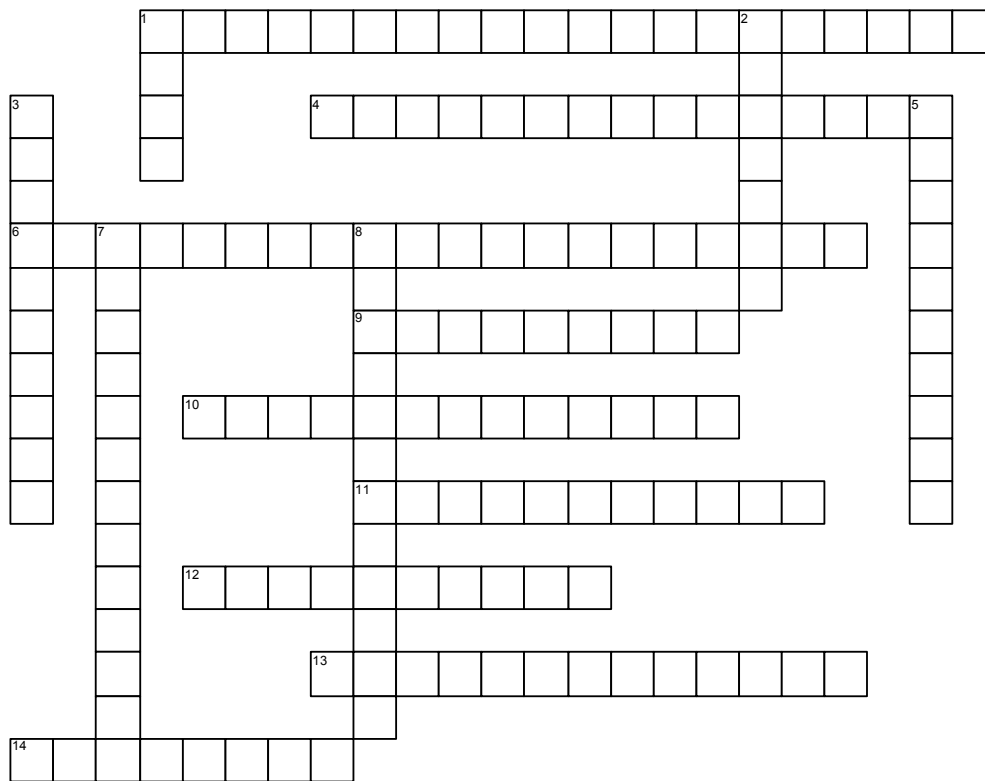


Engine Removal And Disassembly

Chapter 24



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ACROSS

- _____ is a good example of an engine repair option when a timing chain is worn.
- The next step after the water pump has been removed is to remove the crankshaft _____.
- By using a _____, one can be replaced in a day or two, greatly reducing the amount of time the customer is without a vehicle.
- The replacement assembly is called a _____ when the reconditioned assembly includes the heads and valve train.
- Before the pistons can be removed from the block, the _____ must be removed.
- Always use at least four grade 8 bolts when mounting an engine to an _____.
- Additional engine problems that need attention may be noticed after the oil pan is removed and the piston and rod assemblies are taken out, this procedure is called _____ the engine.
- An example of a _____ is a complete engine reconditioning job.
- Valve leakage is corrected by doing a _____.

DOWN

- Engines should be _____ before disassembly to minimize the chance of warpage of the components that are being removed.
- The engine can be lifted out of the _____ with the transmission/transaxle attached.
- In some cases, when replacing the engine, only a reconditioned block, including the crankshaft, rods, and pistons is used, this replacement assembly is called a _____.
- A complete engine reconditioning job is called _____.
- A _____ can usually be done without removing the engine from the chassis.
- Draining the coolant from the radiator and the engine block help reduce the chance of coolant getting into the cylinders when the _____ is removed.