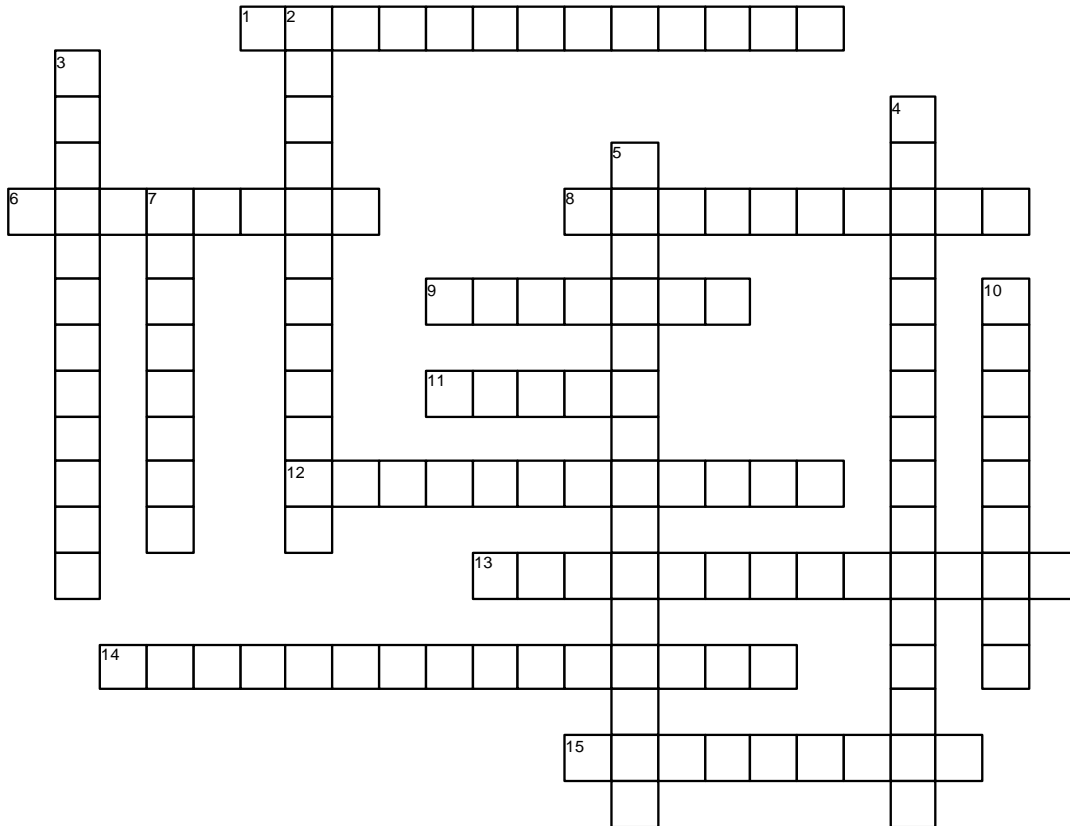


# Engine Installation And Break-In

## Chapter 35



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### ACROSS

- 1 Many \_\_\_\_\_ greases used during assembly can start to clog oil filters within 20 minutes after starting the engine.
- 6 \_\_\_\_\_ the engine is a term used to describe the process of attaching all of the auxiliary items to the engine.
- 8 Many engines for \_\_\_\_\_ - \_\_\_\_\_ drive vehicles are installed from underneath the vehicle.
- 9 \_\_\_\_\_ means increasing the throttle opening without increasing engine speed.
- 11 During the preinstallation check, check that all fuel lines are properly connected and free from \_\_\_\_\_.
- 12 Upon engine start, record the \_\_\_\_\_, it should be 17 to 21 in. Hg.
- 13 When installing the \_\_\_\_\_, the radiator is installed and secured in place, followed by the cooling fan and shroud.
- 14 \_\_\_\_\_ temperature is the temperature at which the upper radiator hose is hot and pressurized.
- 15 Never add \_\_\_\_\_ to the cooling system while the engine is running.

### DOWN

- 2 After engine start up, the \_\_\_\_\_ should be changed at 500 miles to remove any dirt that may have been trapped in the engine during assembly and to remove the material that has worn from the surfaces during the break-in period.
- 3 Applying loads to an engine for \_\_\_\_\_ of time creates higher piston ring pressure against the cylinder walls and assists the breaking-in process by helping to seat the rings.
- 4 When installing the \_\_\_\_\_, under the hood wiring to the starter and alternator should be connected as required.
- 5 Making a \_\_\_\_\_ checklist guarantees that all accessories are correctly reinstalled on the engine.
- 7 \_\_\_\_\_ the engine with a sling attached to the manifold or head bolts or lifting brackets on the top of the engine is necessary during engine installation.
- 10 When installing the engine in a \_\_\_\_\_ - \_\_\_\_\_ drive vehicle, the engine must be tipped as it was during removal to let the transmission go into the engine compartment first.