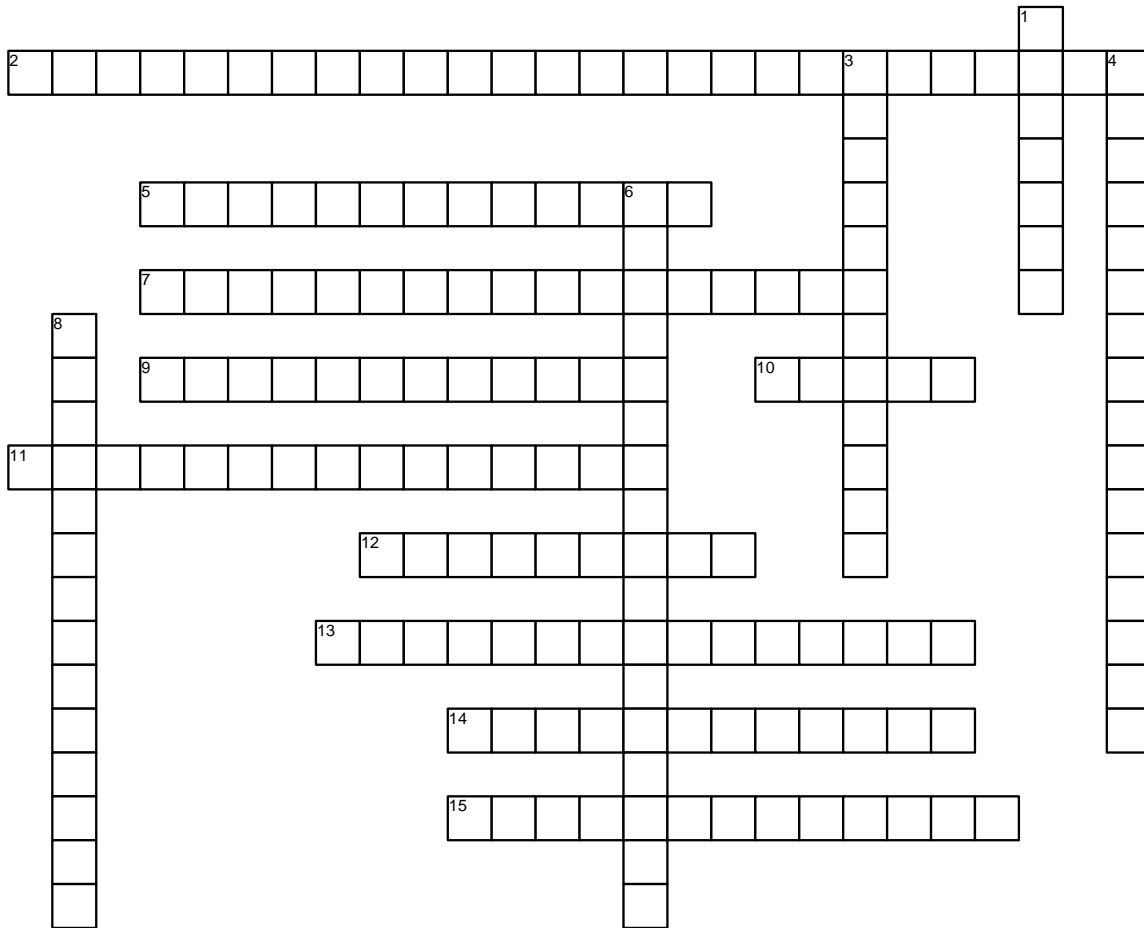


Engine Installation And Break-In

Chapter 38



<http://jameshalderman.com>

ACROSS

- 2 _____ is the temperature at which the upper radiator hose is hot and pressurized.
- 5 Many _____ greases used during assembly can start to clog oil filters within 20 minutes after starting the engine.
- 7 _____ with a sling attached to the manifold or head bolts or lifting brackets on the top of the engine is necessary during engine installation.
- 9 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.
- 10 During the preinstallation check, check that all fuel lines are properly

connected and free from _____.

- 11 Making a _____ checklist guarantees that all accessories are correctly reinstalled on the engine.
- 12 Never add _____ to the cooling system while the engine is running.
- 13 Many engines for _____ - _____ vehicles are installed from underneath the vehicle.
- 14 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.
- 15 When installing the _____, the radiator is installed and secured in place, followed by the cooling fan and shroud.

DOWN

- 1 _____ means increasing the throttle opening without increasing engine speed.
- 3 Upon engine start, record the _____, it should be 17 to 21 in. Hg.
- 4 When installing the _____, under the hood wiring to the starter and alternator should be connected as required.
- 6 _____ is a term used to describe the process of attaching all of the auxiliary items to the engine.
- 8 When installing the engine in a _____ vehicle, the engine must be tipped as it was during removal to let the transmission go into the engine compartment first.