



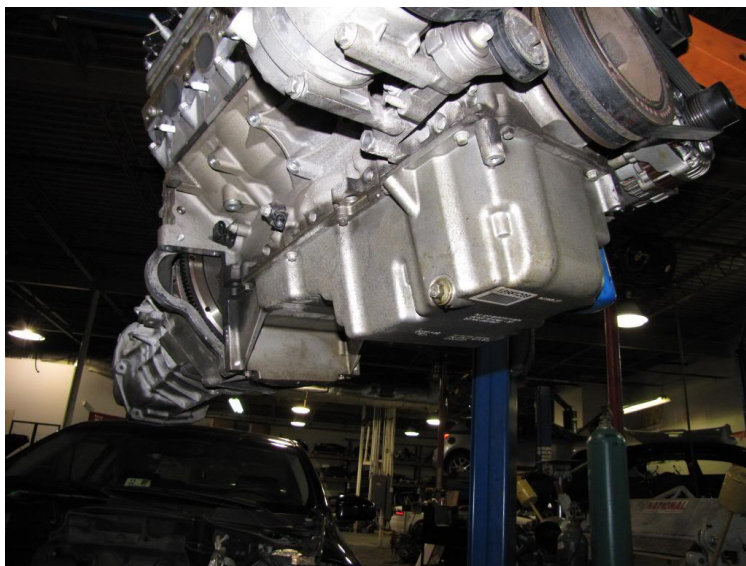
Here is the donor car, prepped and ready to go with the OEM engine and trans removed.

- Drain oils and fluids
- Evap A/C system
- Disconnect battery
- Remove front end and headlight for easy access
- Remove drive train and all power steering up to the rack
- Drill a ½" hole in sheet metal to allow clutch lines to enter



Donor LS2 engine and 6 speed manual trans from a 2006 Pontiac GTO

*NOTE: LS2'S fit better because you can remote mount the power steering reservoir, the coil packs are mounted higher and GTO shifter block is in the transmission. Plus it is a drive by wire. If you are using a non GTO transmission you will still need the GTO shifter block.



First step pull the stock GTO oil pan

*NOTE: Make sure surface area on block is clean of sealant and oils. It will leak.

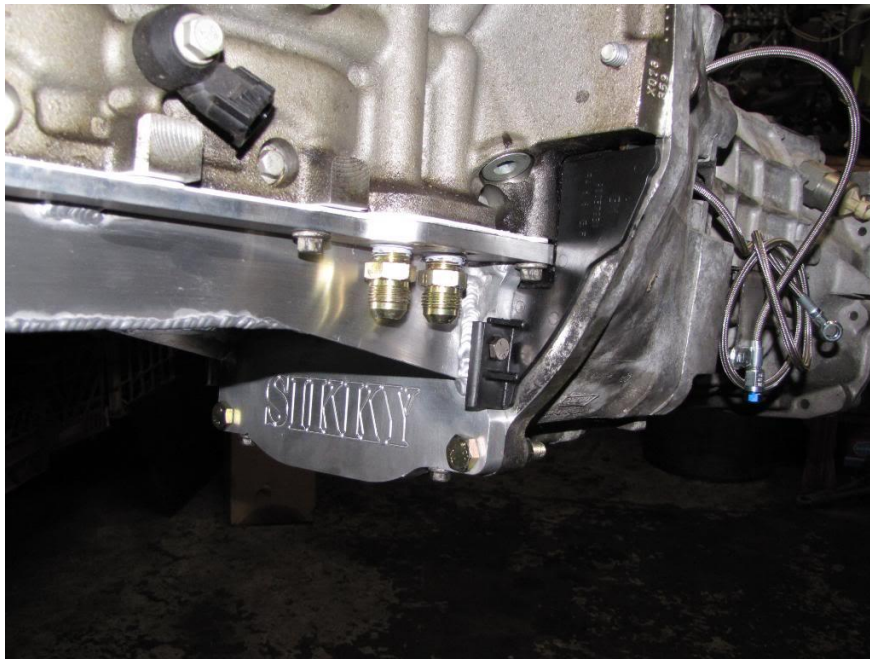


Here is the new high capacity Sikky oil pan. Prep the new pan by pre installing the gasket. This pan is equipped with windage tray and trap doors to eliminate any oiling issues associated with the factory GM pans.

-If you have any other motors than the LS2 you will need to install the Sikky GTO pickup. Be sure O ring is properly sealed

- Start 2 bolts to hold gasket in place

-Add sealant to seems on block bottom



Installed Sikky pan showing connections for remote mount oil filter kit that is also included with the mount kit. Factory dust shields are also installed.

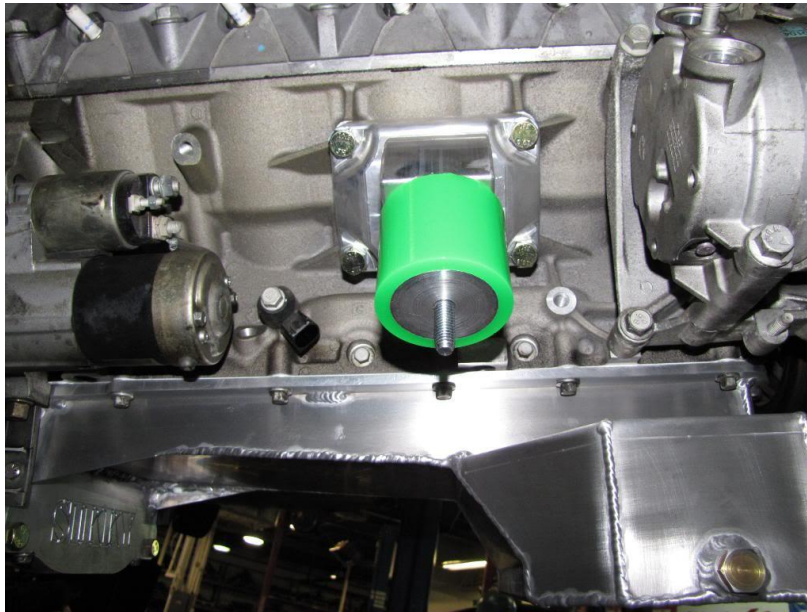
- Install fittings with pan still off and sealant on threads
- Make sure fittings do not pass through the pan flange or it will not seal
- Install oil pan using factory install procedure

*NOTE: Recommend installing master cylinder line kit before engine install

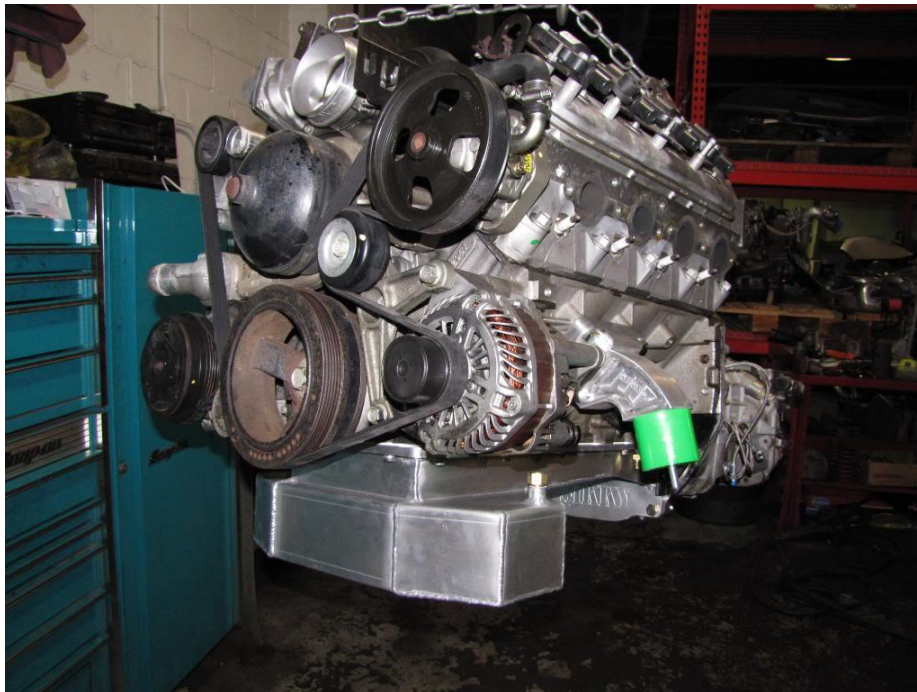


Installed Sikky billet aluminum driver side motor mount and urethane bushing

* On the underside of the mount there will be a D for driver



Installed Sikky billet aluminum passenger side motor mount and urethane bushing
* On the underside of the mount there will be a P for passenger



All prep work complete on the engine and ready for install



Installed Sikky trans mount bushing



Begin install of new engine and trans. Install is as easy as bolting up the VQ with our kit.



Engine and trans installed with engine bolted to factory cross member

- Let the trans hang down before installing drive shaft. Then install shifter with gasket or a silicone sealant.
- Install headers next. Make sure coolant sensor is out of the head before header goes in, to protect it from breaking. Same goes for spark plugs.



Underside view of installed engine

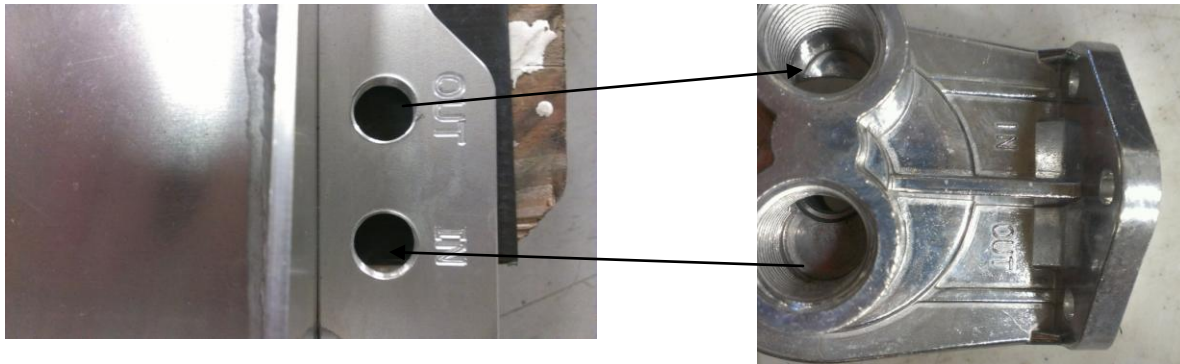
- Install lower cross member support
- Install transmission cross member and drive shaft
- Reinstall rack line



Install Sikky trans cross member

-Run oil filter lines under the oil pan passenger side. Oil filter mounts up next to coolant overflow tank.

When installing the oil filter relocation kit be careful not to route the lines too close to your headers. The heat can damage the coating on the inside causing them to leak. And also be sure to install the lines correctly. OUT on the oil pan goes to IN on the filter block, OUT on filter block goes to IN on the oil pan. This creates a full cycle and if reversed you will not have oil pressure.



Now your engine install in complete!

