

Sikky LS1 Motor Mount Kit into S14 240SX

S14 Engine

Remove engine and transmission
Remove wire harness and save plugs
Remove factory sway bar

Cleaning and prepping engine bay

Remove power steering cooler lines; except for 2 hard lines on steering rack

Disconnect fuel lines, and then bend aside behind passenger side strut tower

Remove heater hose, do not crush heater core necks, unbolt heater control valve and push aside next to fuel lines

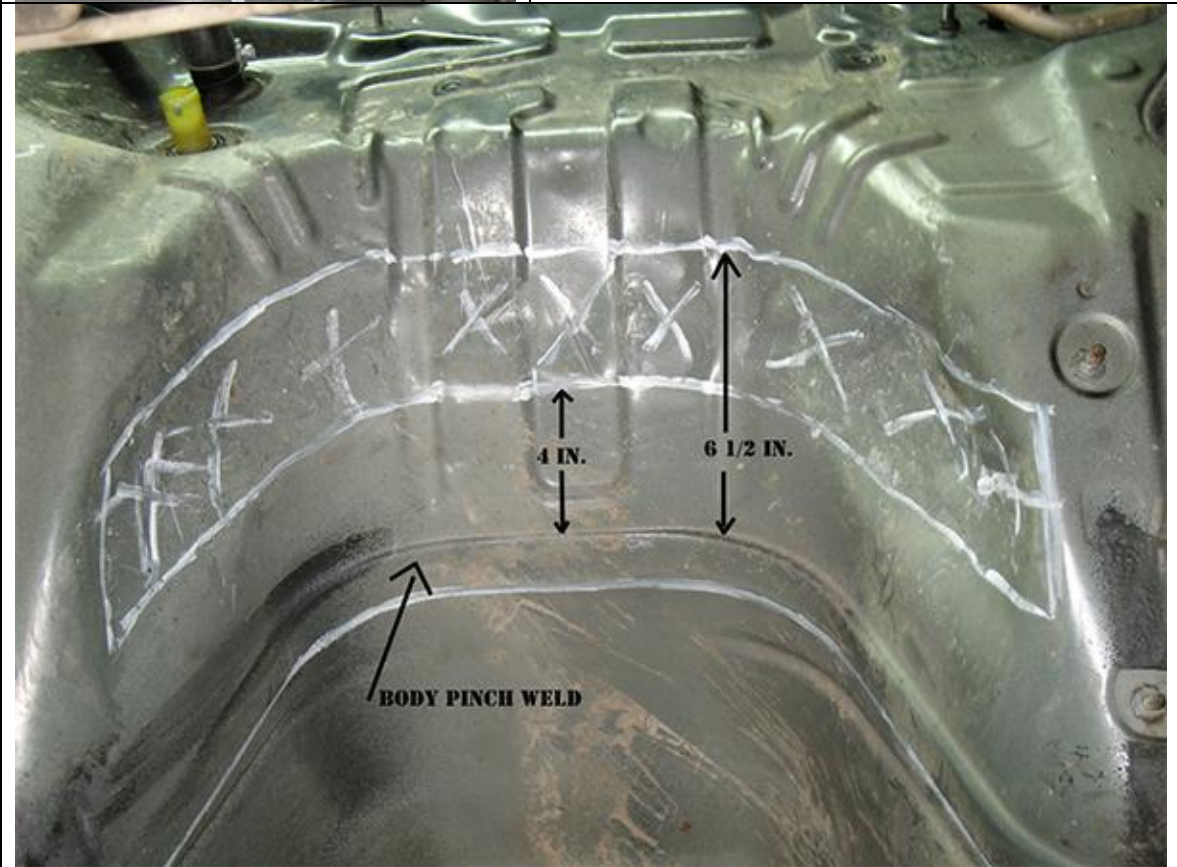


If the 240sx has ABS, *going to be tight fit*, unbolt and move aside.

Remove vibration weight on firewall

Remove factory exhaust heat shield

From body pinch weld, Measure 4 inches make a line all the way around transmission tunnel 4 inches all the way around. Then from body pinch weld measure 6 ½ inches and make a mark all the way around transmission tunnel.



Hammer your marked space - ½ inch to 1 inch around your marks all the way around the transmission tunnel.



LS1 MOTOR PREP

REMOVE AND SET ASIDE: – carefully remove wire harness (will be reusing all sensors), remove plug wires.

REMOVE AND SET ASIDE: Mass air flow (1), computer (1) and O² sensors (4) – *be careful with all these items*

Remove transmission cross member bushings (SAVE cross member bolts; will need later)
There are two different kinds of cross members:



Remove shifter boot and shifter plate (can be reused)



Remove urethane bumper if on transmission



Remove factory fuel lines

Remove: AC (compressor and bracket), EGR, Emission tubes and attaching solenoids, dipstick



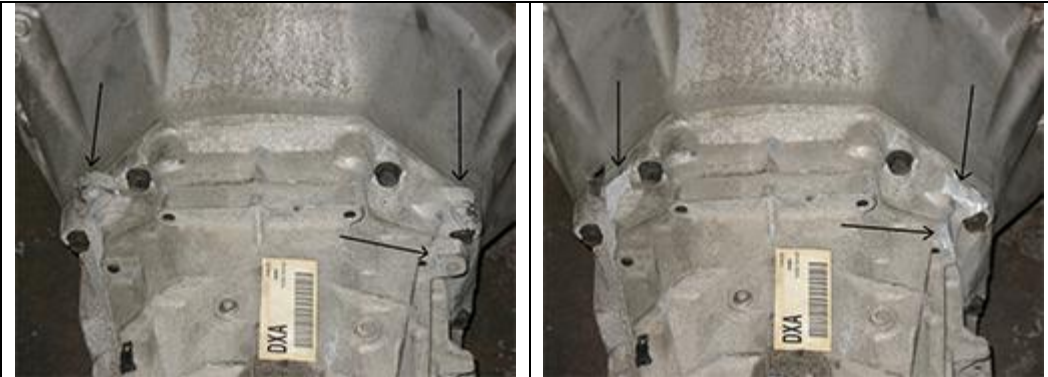
Factory exhaust manifold, motor mounts, and motor mount bushings



REMOVE AND SET ASIDE: Starter and starter plate and trans dust covers



Cut off aluminum tabs on top of transmission

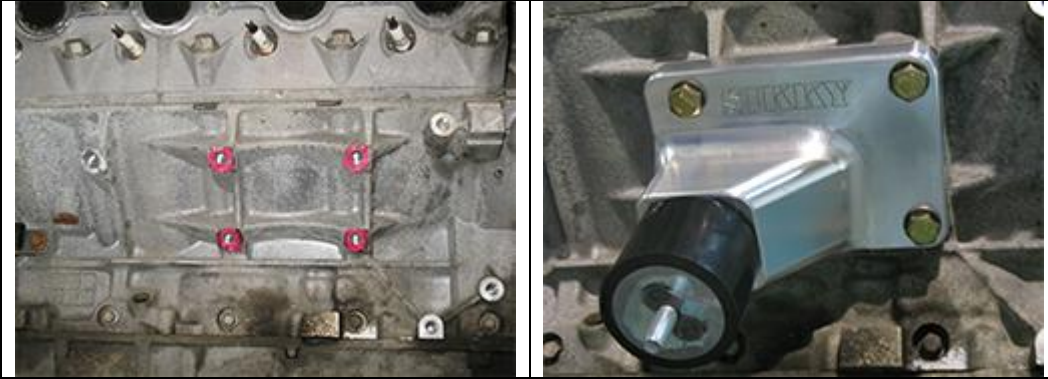


Now pick up motor with engine hoist or cherry picker

Install Sikky Motor mounts on highlighted holes

Passenger side motor mount (*Must use supplied bolts and hardened washers*)

Torque to 65 ft/lbs



Driver side motor mount (*Must use supplied bolts and hardened washers*)

Torque to 65 ft/lbs

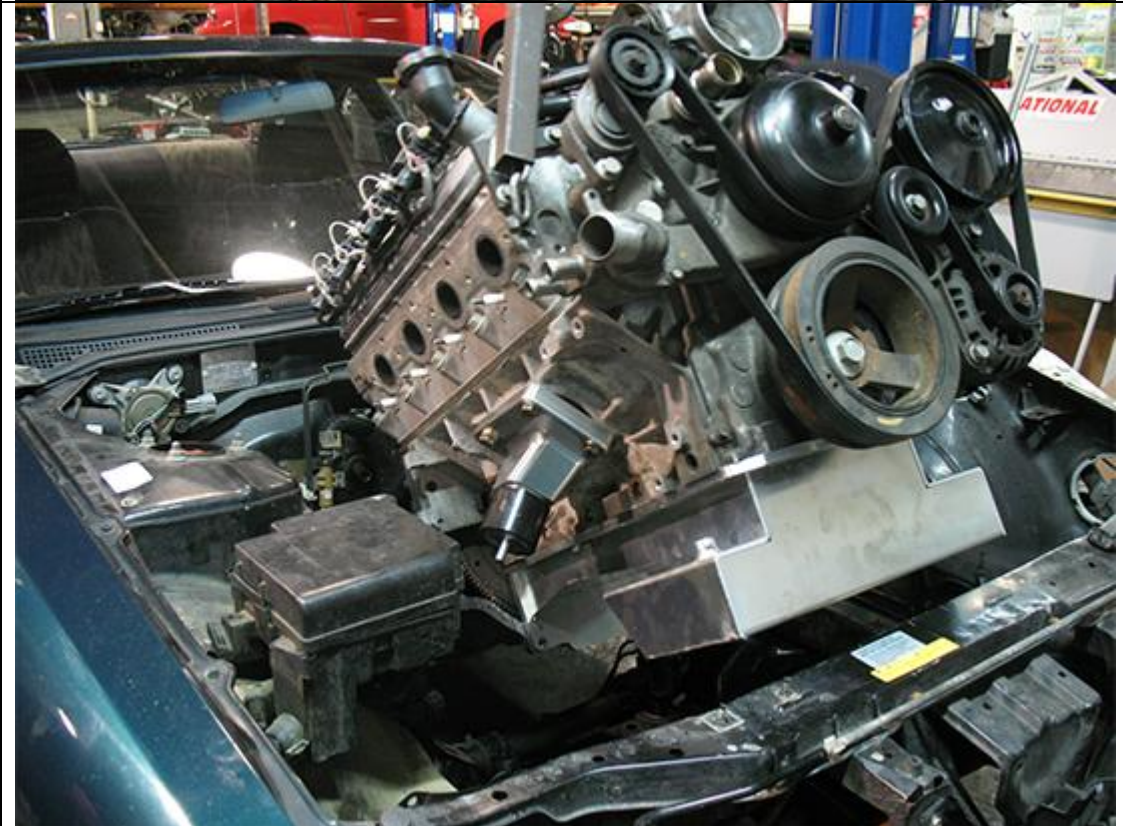
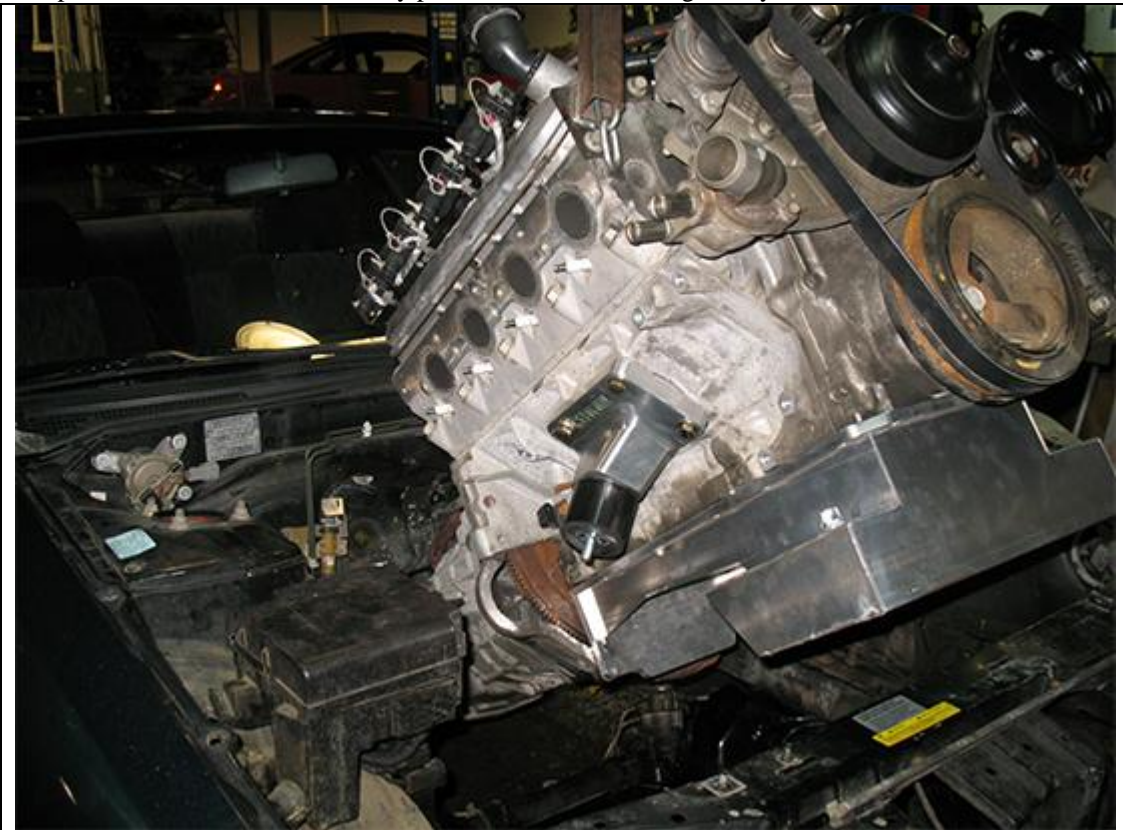


OIL PAN INSTALLATION: REFER TO OIL PAN DIRECTIONS

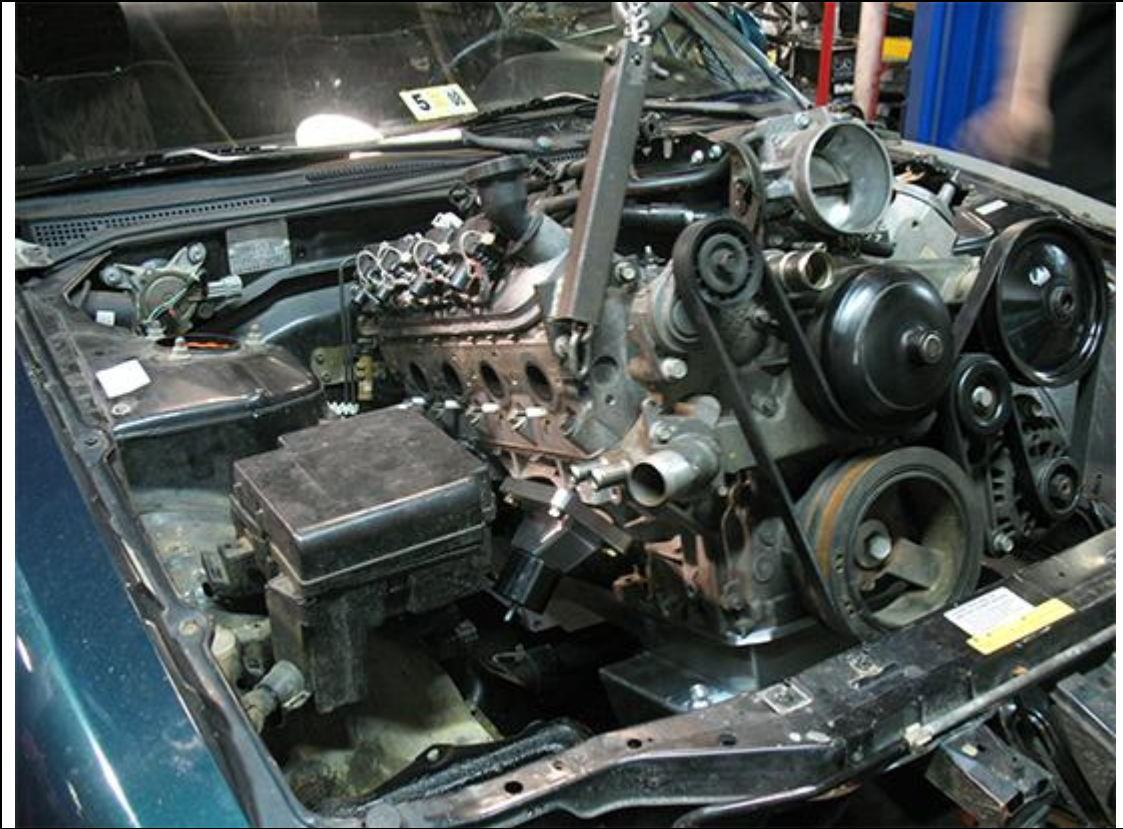
LS1 ENGINE INSTALL INTO 240SX

Start to drop in motor.

Keep in mind to be careful of factory parts set to the side of engine bay.



Once close enough to factory bolt holes, slowly jack up transmission with jack until motor mounts sit into factory bolt holes. **DO NOT BOLT IN YET!**



Next raise car up to install transmission mount bushing with supplied 1 inch bolts and hardened washers. Use a transmission jack to raise up transmission



Bolt on Sikky transmission cross member using factory cross member bolts; Use supplied nut to bolt to transmission mount bushing.



Now, before tightening down engine mounts make sure your motor is centered and level engine in engine bay.



Reinstall factory sway bar

Note: aftermarket sway bars or lowered vehicles may have to alter sway bar end links or use [the Sikky swap bar](#)