

Preparing the donor parts

### Brake booster

Get the brake booster ready for washing by removing the foam.

Remove the aluminum spacer and the second piece of foam

Reinstall the spacer and nuts

Install the master cylinder to keep water out of the booster as you wash it

Slide the vacuum hose onto the fitting and plug the end with a bolt

### Calipers

Pry the brake pads out of the front calipers

### Engine

Cap the fuel rail, throttle body and valve cover vent



Disconnect both radiator hoses

Lay the radiator down and disconnect the fan

Soak the donor parts with a detergent

Use the pressure washer to clean parts

### Engine

Pry out the axels to remove them



Spray the O2 sensor with penetrating oil

Pull out the O2 sensor lock and disconnect the plug

Do the same for the second O2 sensor

Use a 22mm wrench to remove the first O2 sensor (closest to the manifold)

Save the sensor to use later in the Goblin

Use a 15mm socket to remove the exhaust flange nuts

The studs may come out with the nuts. If they do, soak them in penetrating oil so you can remove them later

Remove both heater hoses

Trim the first heater hose to loop the two heater tubes

Disconnect the evap line from the valve and intake manifold



Use a 10mm socket to remove the evap valve

Take off the oil fill cap and twist the filler neck extension to remove it

Reinstall the cap

Use a 13mm socket to remove the AC lines

Remove the serpentine belt and AC compressor as listed in "Basic engine prep" page

Remove the upper radiator hose

Use a 13mm socket to remove both of the lift loops

Remove the coolant overflow hose



Use a 15mm wrench to disconnect and remove the powertrain ground

Reconnect the starter ground and tighten the nut

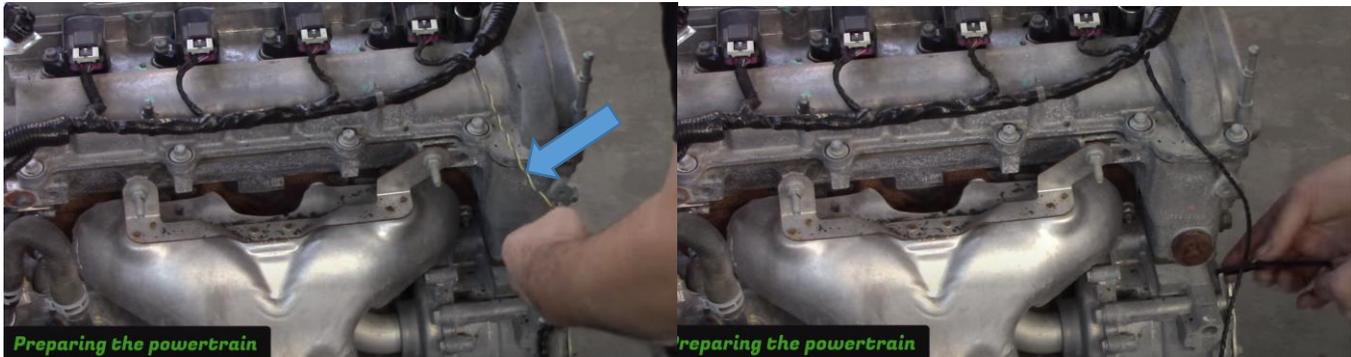
Cut the tape around the powertrain ground to remove it

Unwrap and untangle the MAF sensor wires to the other end of the valve cover

Tape the MAF sensor wires

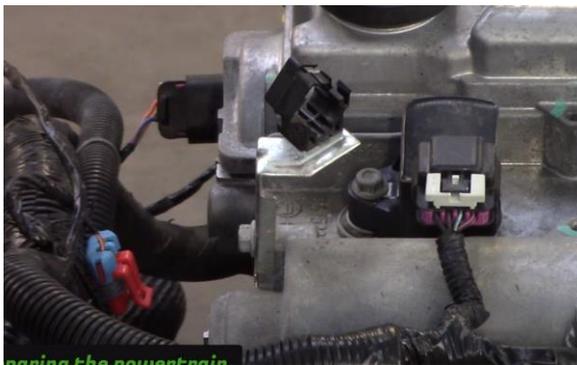
Cover and tape the wires along the valve cover

Tape the speed sensor wires



Fasten to the end of the block with a zip tie

Use a 10mm socket to remove the fuel line bracket



Use a 7mm socket to remove the brake pedal position sensor

Use a 10mm socket to remove the throttle pedal

Pull off the brake pedal pad

Remove the foam and nut from the brake pedal

Mark the fuel filler neck just before it narrows down



Mark the vent tube as shown



Clamp the filler neck on the table and cut at the marks

Deburr the tubes

Knock out the baffle inside the fuel filler neck with a socket



Hang and paint the donor parts

This is also a good time to paint the engine pulleys and valve cover