

Video 1 – Every Goblin starts with a Cobalt donor

the donor used in this video is 2010 LS

0:20 - Check you donor for function and leaks

1:10 - Remove hood. Remove top hinge bolts, then hood prop strut

1:35 – Clean debris and remove oil cap, plug oil opening, Remove plastic engine cover, reinstall oil cap

2:08 – Remove outlet duct throttle body clamps, disconnect hoses and remove outlet duct

2:33 - Remove MAF sensor

2:55 – Remove air filter box

3:06 - Clean engine compartment – seal throttle body and valve cover vent – let dry

3:51 - Disable fuel pump at relay – let run till dies

4:17 - use fuel pump to empty tank

5:22 - roll down windows

5:42 - remove battery

6:07 - reinstall fuel pump relay

Video 2 – Stripping the exterior

0:00 - Jack front of car up and place on jack stands just behind the doubler

0:26 - Remove front tires

0:44 - Remove front bumper

0:56 - Remove inner fender wells

1:48 - Remove fenders

2:28 - Remove front fender bracket

2:40 - Remove hood hinges

2:44 - Remove windshield wipers

3:06 - Remove cowl

3:17 - Remove wiper motor

3:42 - Remove upper dash bolts behind wiper motors

3:53 - Remove doors

4:36 - Remove seats

Video 3 – Stripping the front suspension and drop sub frame

0:00 - Drain brakes with vacuum pump

0:48 - Take off steel brake line

1:02 - Remove caliper

1:21 - Remove rotors

1:32 - Disconnect sway bar link

1:41 - Install spring compressors

2:00 - Jack under ball joint and remove strut

2:41 - Remove axel nut

2:50 - Remove axel from bearing hub

3:06 - Remove ball joint clamp and the knuckle

3:18 - Remove bearing hub bolts

3:31 - Reinstall axle nut and washer

3:34 - Drain 1 qt trans fluid

3:57 - Disconnect overflow line from cylinder head and over flow

4:13 – Remove passenger side radiator mount

4:29 - Drain coolant system

4:34 - Disconnect AC lines – have professional recover refrigerant

5:06 - Remove steering knuckle

5:20 - Remove radiator mount

5:40 - Remove radiator side panels

5:54 - jack up subframe inline with control arms

6:00 - Remove rear transmittion mounts from sub frame

6:20 – Remove both control arms

6:50 - Lower subframe- remove from steering shaft

7:18 - Remove steering rack

7:30 - Remove sway bar

Video 4 – Dropping the power train

0:00 - Remove TCM

0:21 - Remove ECM

0:38 - Remove fuse block

1:00 - Remove multi plugs

1:25 - Remove fuse block housing

1:54 – Free all remaining cables from fuse block housing

2:37 - Remove coolant tank

3:08 - Remove headlamp harness

3:38 - Remove horn

3:53 - Remove headlight harness from core support

4:09 - Disconnect powertrain accessories, brake reservoir, wiper motor plug, grounds

4:39 - Remove cable housing

4:50 - Remove Evap line and brake booster vacuum hose.

5:28 - Cut heater hoses

5:48 - Separate the exhaust

6:00 - Put dolly under engine

6:12 - Hoist engine

6:32 - Remove engine bolts

6:55 - Lower engine on dolly

Video 5 – Stripping Interior and dash

0:00 - Clean out interior

0:24 - Remove center console

0:47 - Remove accessory plugs

1:03 - Remove tunnel covers

1:37 - Disconnect bcm plugs

2:17 - Remove shifter

3:04 - Remove rear seat

3:27 - Remove interior trim and rubber seals

3:40 - Remove seat belts

4:05 - Remove plastic trim panels

5:33 - Remove carpet

5:56 - Remove upper dash cover

7:03 - Pry off end of dash

7:48 - Remove knee panel

7:59 - Disconnect main dash connector

8:39 - Remove AC lines from firewall

9:07 - Remove brake lines

9:26 - Remove master cylinder

10:09 - Separate the dash firewall and the body firewall

10:43 - Lower dash, remove from drivers side

Video 6 – Removing the harness

- 0:00 - Remove firewall pad
- 0:26 - Disconnect door sensors
- 0:41 - Disconnect air bag control module
- 0:55 - Disconnect parking brake sensor
- 1:01 - Remove harness from crossover
- 1:07 - In engine bay disconnect front wiring
- 1:33 - Feed plugs through firewall to inside of car
- 1:51 - Pull driver side harness free
- 2:17 - Remove brake lights from trunk
- 2:44 - Remove trunk lock and latch
- 3:09 - Free harness from trunk
- 3:35 - Remove carpet and disconnect trunk wiring
- 4:52 - Remove package tray
- 5:13 - Remove onstar module and other wiring to free harness
- 6:28 - Pull wires into cabin
- 6:51 - Remove main wire harness
- 7:10 - Remove and save the rear seat bolts

Video 7 – Disassembling the dash

0:00 - Remove steering column

1:03 - Disconnect and remove turn signal and wiper switches

1:23 – disassemble the steering column

2:00 - Remove power steering unit

2:31 - Remove steering wheel nut

2:49 - Remove ignition loop

3:58 - Disconnect brake booster from pedal

4:16 - remove power steering wiring harness

4:26 - Remove upper pedal box

4:46 - Remove OBD2 plug from dash

4:53 - Disconnect all trim plate wires

5:14 - Remove radio and climate control

5:48 - Remove glove box

6:10 - Remove passenger airbag

6:24 - Remove gauge panel

6:40 - Disassemble lower panel parts

8:02 - Remove plastic dash from steel frame and free harness

Video 8 – Stripping the rear

0:00 - Remove rear tires and brake drums

0:27 - Jack up the rear remove the upper shock bolt

0:38 - Lower the jack and remove the coil spring

0:44 - Remove bearing hub

1:08 - Remove brake lines after draining with vacuum pump

1:51 - disconnect fuel lines and wires

2:24 - Remove fuel filter

3:27 - Remove fuel tank

4:16 - Remove filler neck

4:42 – Break fender well clips to remove fender well

5:26 - Remove plastic lines from fuel tank

5:44 - Lift fuel pump from tank

6:05 - Lower shell on dolly