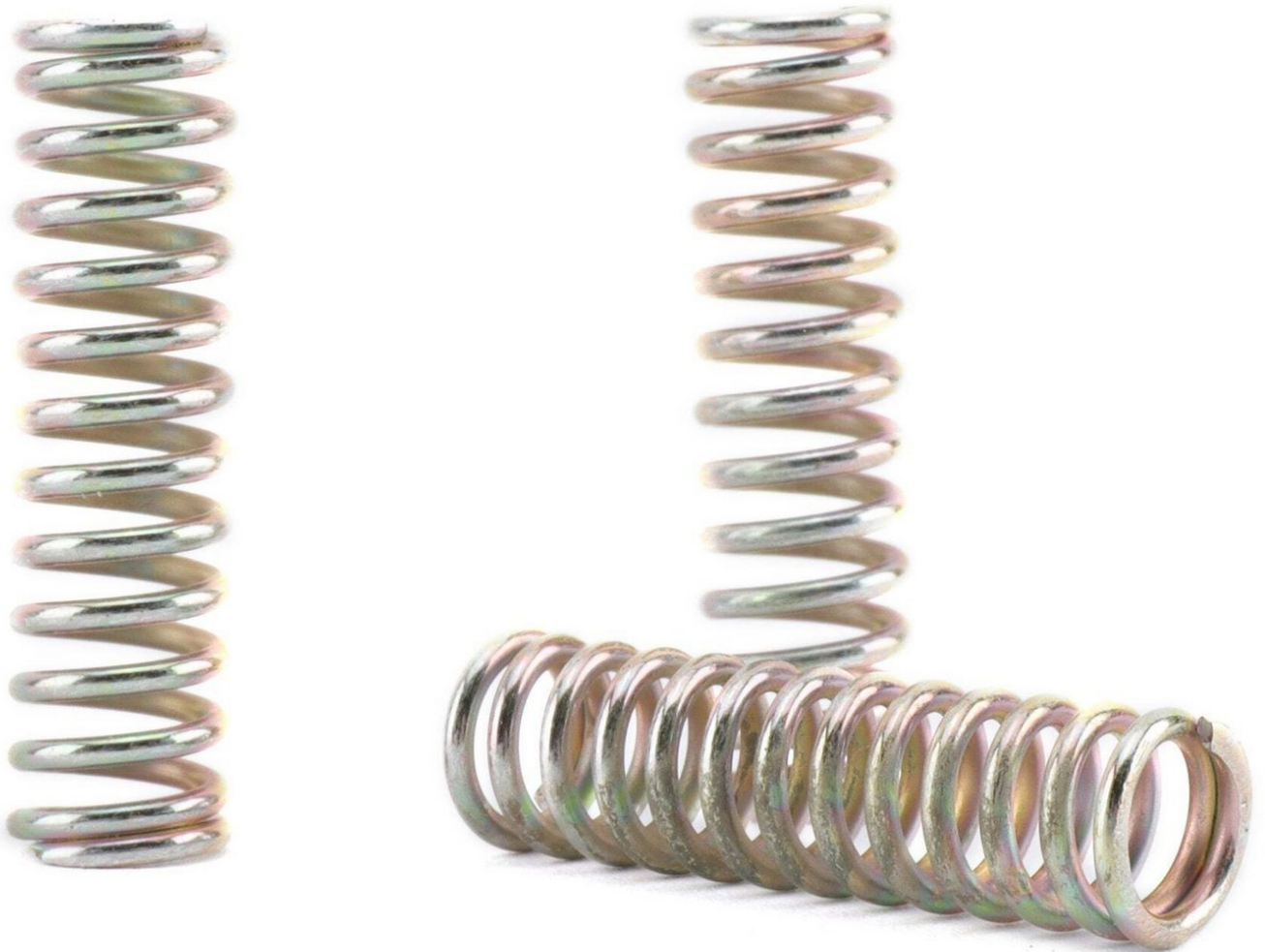




# Hybrid Racing Transmission Detent Springs (07-13 Honda Fit & 10-16 CRZ)

Written By: Hybrid Racing



## Step 1 — Remove Battery



- Begin by removing the battery bracket.

## Step 2 — Remove Battery



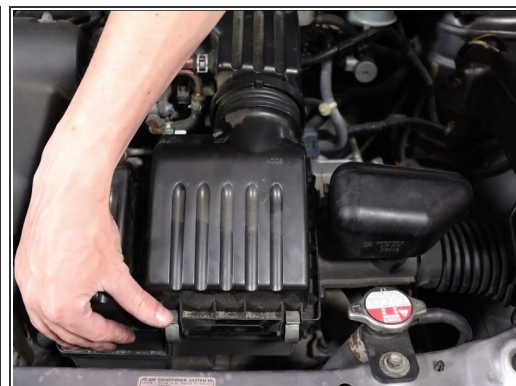
- Remove both terminals and then remove the battery from the car. Set these parts to the side.

### Step 3 — Remove Battery



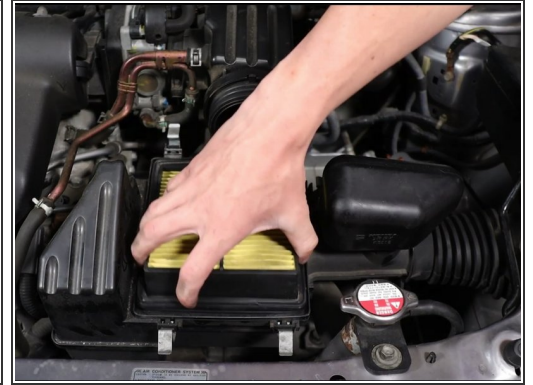
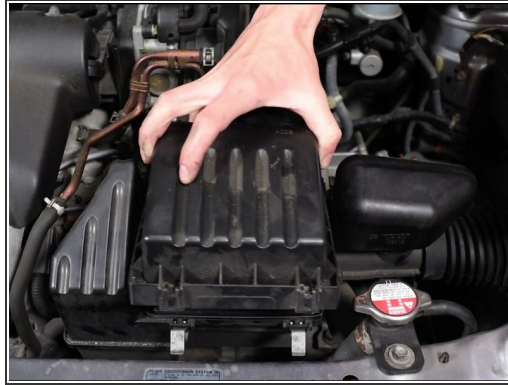
- Remove the wire harness clip that is attached to the battery tray.
- Remove the battery tray and set it aside.

### Step 4 — Remove Airbox



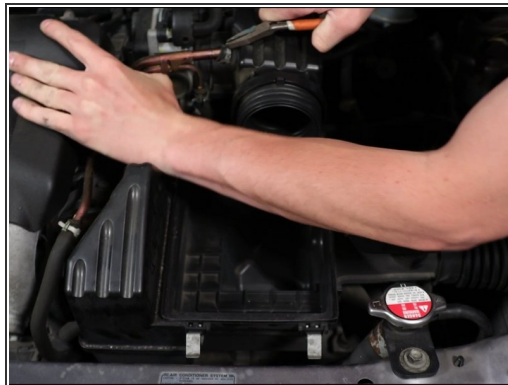
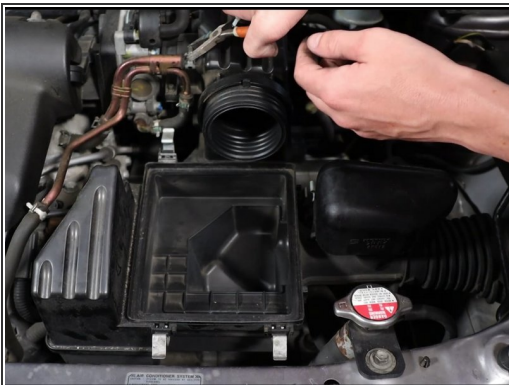
- Unclip the four clips holding the airbox lid in place.

## Step 5 — Remove Airbox



- Remove the air box lid and then remove the air filter.

## Step 6 — Remove Airbox



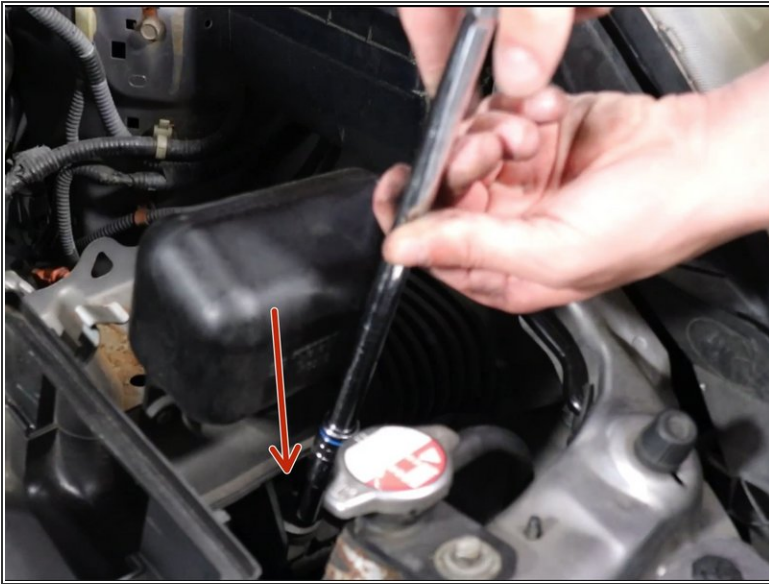
- Remove the airbox vacuum line.
- Unbolt the airbox and remove it.

## Step 7 — Remove Airbox



- Remove the throttle body clamp.

## Step 8 — Remove Airbox



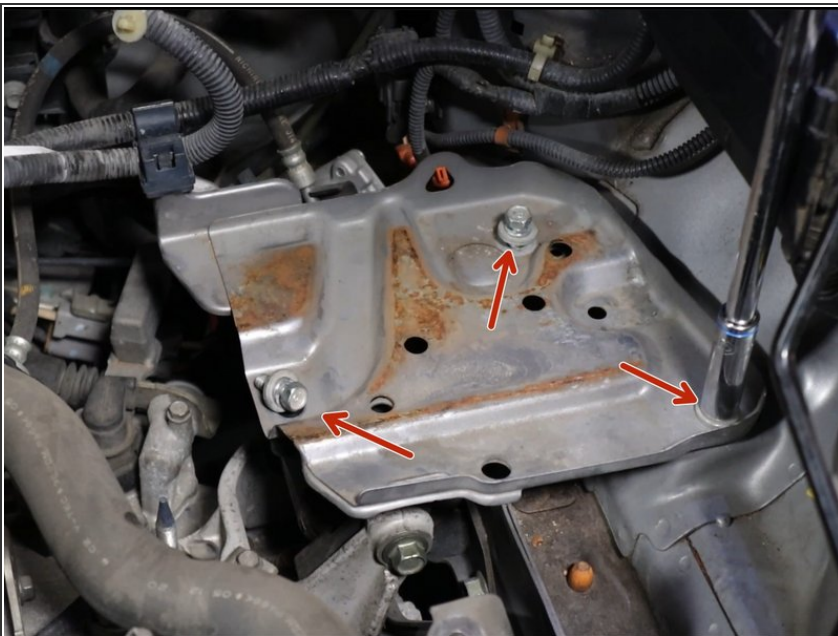
- Remove the airbox tube and remove the airbox assembly.

## Step 9 — Remove Airbox



- Remove the airbox from the car.

## Step 10 — Remove Battery Tray



- Remove the three bolts holding the battery tray in place

## Step 11 — Unclip Harness



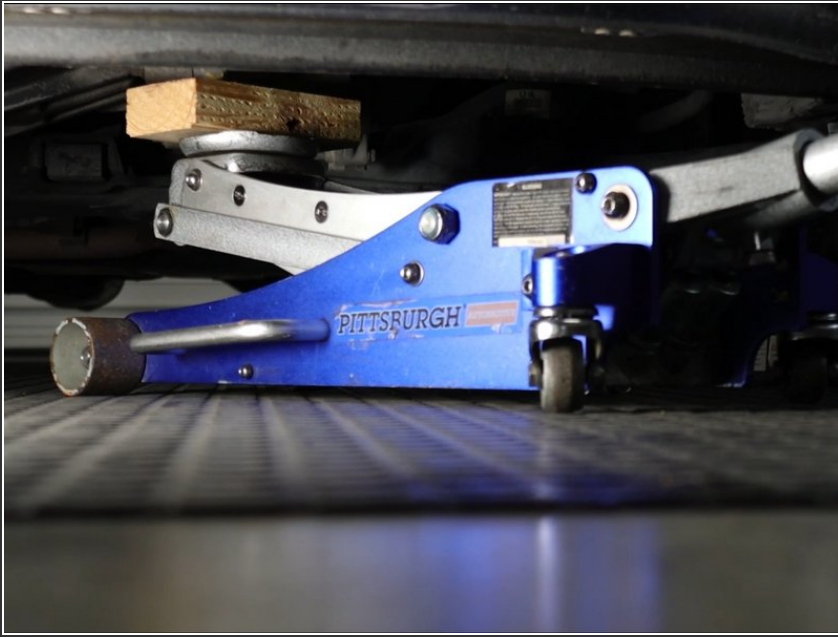
- Unclip the wiring harness connector and remove the harness from the battery tray bracket.

## Step 12 — Remove Battery Tray



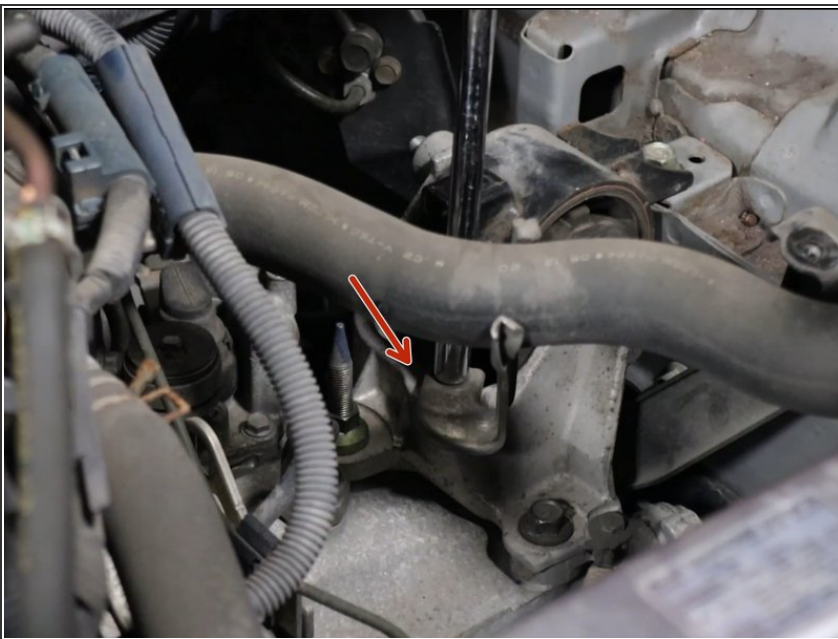
- Remove the battery tray and set it aside.

## Step 13 — Support Transmission



- Locate a safe point under the transmission and use a floor jack to support the transmission while you remove the trans mount.

## Step 14 — Remove Mount Bracket



- Remove the coolant hose bracket from the top of the transmission bracket.

## Step 15 — Remove Mount Bracket



- Remove the lower transmission bracket bolts.

## Step 16 — Remove Mount Bracket




- Remove the transmission bracket.

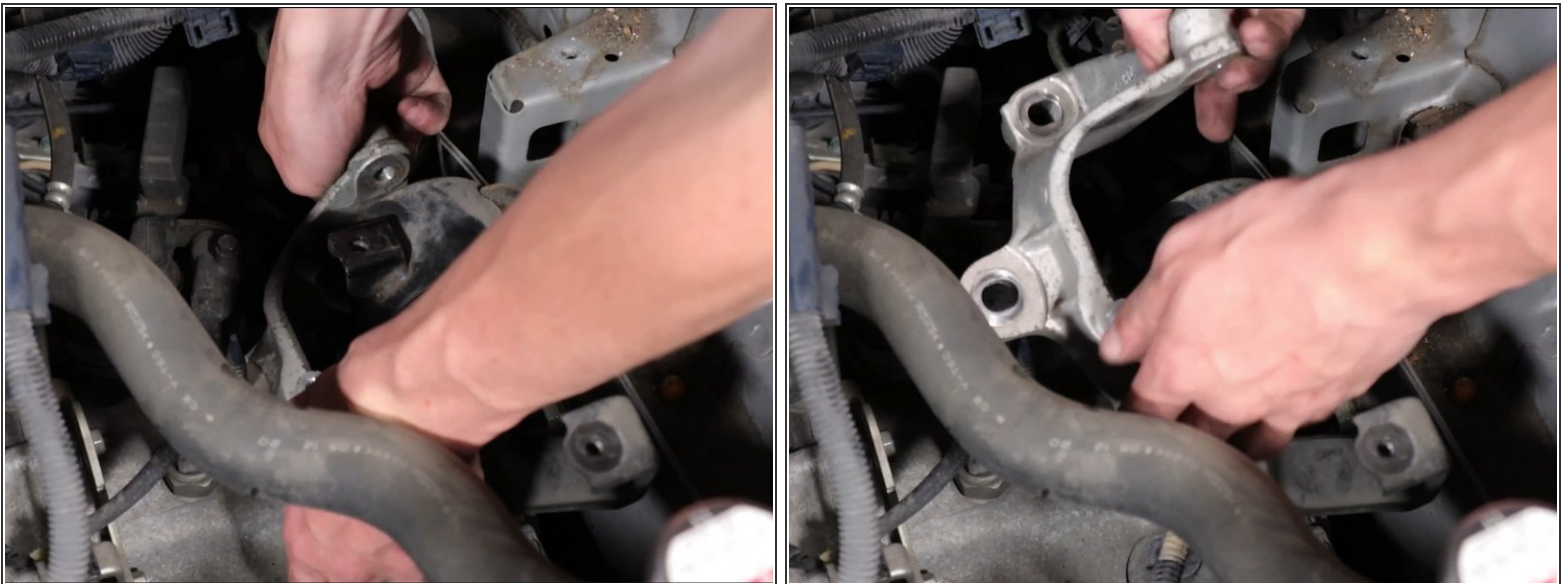
## Step 17 — Remove Mount Bracket



- Remove the center bolt on the transmission mount.

 Be sure the transmission is fully supported before removing this bolt.

## Step 18 — Remove Mount Bracket



- Remove the transmission bracket.

## Step 19 — Remove Detent Springs



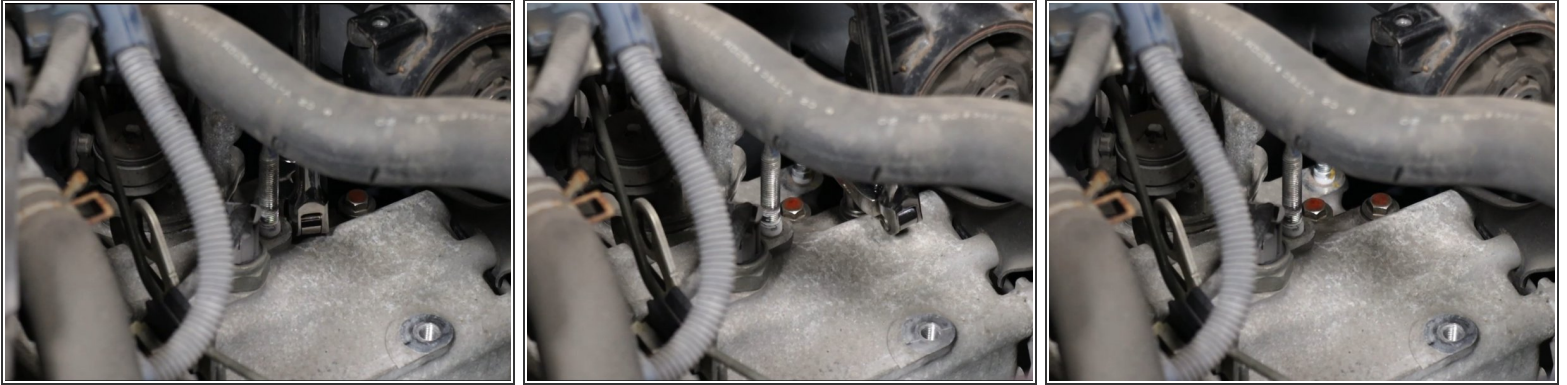
- Locate and remove the two transmission detent springs. Be sure to keep track of the detent ball as they could fall out.

## Step 20 — Remove Detent Springs



- Once the detent springs have been removed, simply replace them with the HR Heavy Duty springs and reinstall them.
- You may need to add a dab of Hondabond to the threads to prevent transmission fluid leaks.

## Step 21 — Install New Detent Springs



- Reinstall the springs and torque to 16 ft-lb (22 N-M).
- Shift into every gear and make sure the gear selector moves smoothly. If all is well, put the car back together and test drive.