

How to Clean your Gen II Prius Battery Blower Assembly-Component of Hybrid Battery Control

A CLOGGED BLOWER CAN CAUSE PREMATURE FAILURE OF YOUR VERY EXPENSIVE HYBRID BATTERY. THERE IS NO TOYOTA SCHEDULED MAINTENANCE FOR THIS. IF YOU DON'T HAVE AT LEAST ONE OF THE FOLLOWING CONDITIONS YOU PROBABLY DON'T NEED TO PERFORM THIS CLEANING: SMOKER IN CAR; DUSTY DRIVING CONDITIONS; DOG THAT SHEDS IN CAR.

**Blower Motor Assembly is Located Behind This Panel in Rear of Car
DECK TRIM SIDE PANEL
RH**

Tools Needed Phillips Screwdriver



Trim Fastener Removal Tool



Ratchet with Extension & 10mm Socket



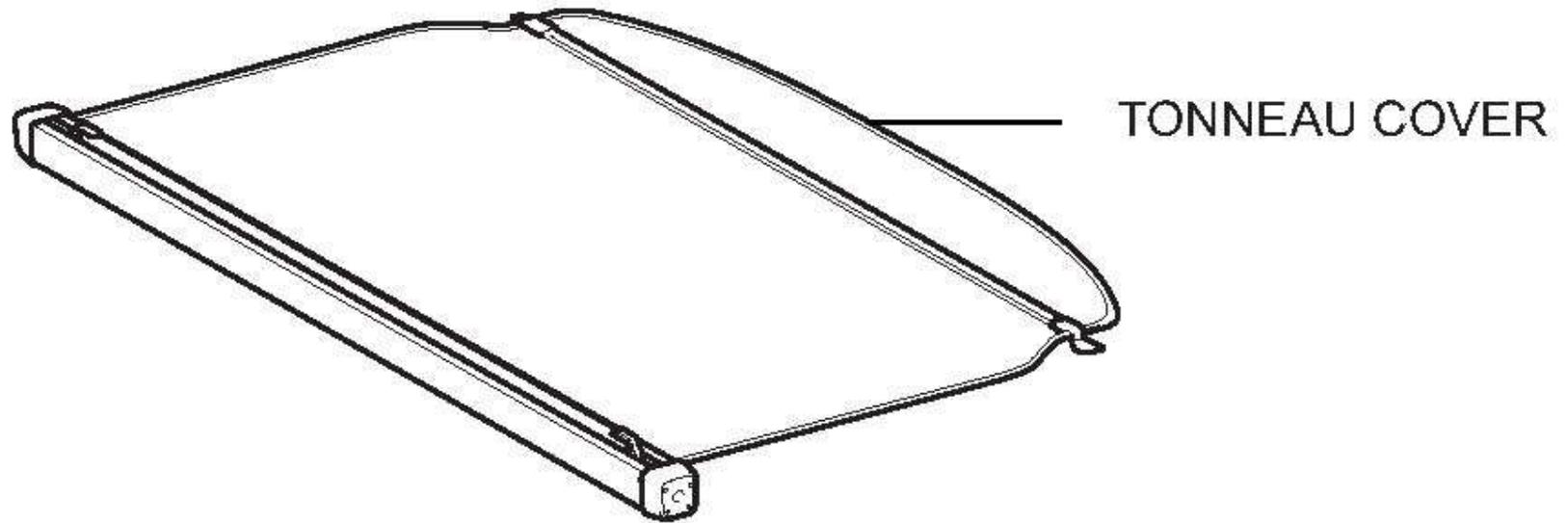
Note: If you use Smart Key, make sure Smart Key is deactivated. Button below steering wheel and key is at least 20 feet from vehicle.

Intake for Blower Motor Assembly is Located At This Intake Panel. Back Seat Passenger Side. There is NO Filter. DO NOT BLOCK INTAKE. HV Battery Can Overheat. It Draws Air From The Car Interior, Cools the Battery Compartments, both Hybrid and Auxiliary 12-volt AGM, venting both to exterior of car behind 12-volt auxiliary battery.



Remove Tonneau Cover If Installed

Part # 64910J



Remove Tonneau Cover



Top of Tonneau is marked for Reinstallation.



Lower Back Seat



Seat Back Lowered



Thanks to Luscious Garage for the consult that I didn't need to remove back seat to do this. **ONLY NECESSARY WHEN REMOVING HV MAIN BATTERY.** DO need to remove the FLOOR BOARDS to avoid damaging TRIM SIDE PANEL when removing.

THE ORDER YOU REMOVE FLOOR BOARDS 1, 2, AND 3 REALLY DOESN'T MATTER UNLESS DISCONNECTING BLOWER MOTOR. **IF YOU ARE GOING TO DISCONNECT AND REMOVE THE BLOWER FOR CLEANING AND/OR REREPLACEMENT DISCONNECT NEGATIVE BATTERY TERMINAL UNDER #3 FIRST.**

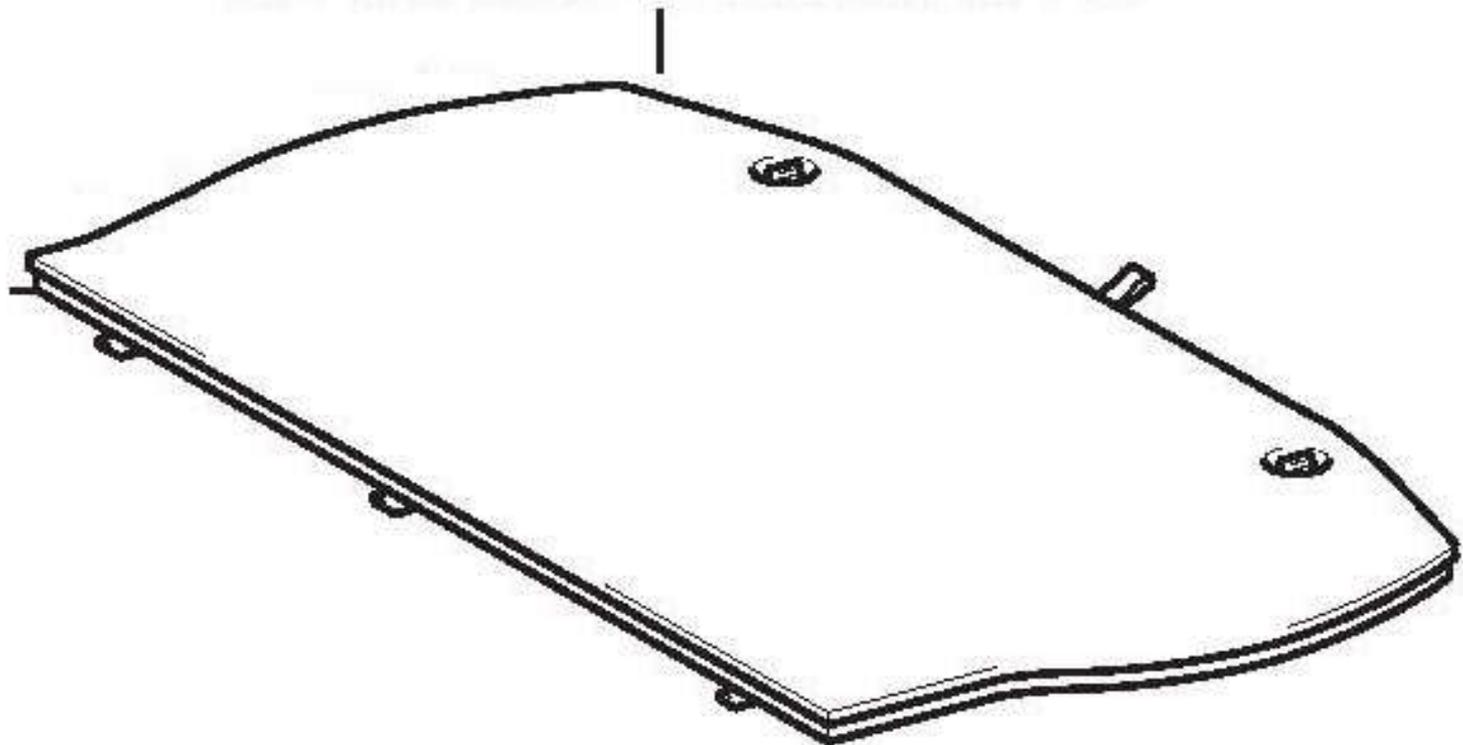
Remove Luggage Belts and Cargo Mat



Remove REAR NO. 2 FLOORBOARD

Part Number 58416K- Part Varies with Interior Color

REAR NO. 2 FLOOR BOARD



Step 3 - Remove REAR NO. 2 FLOORBOARD

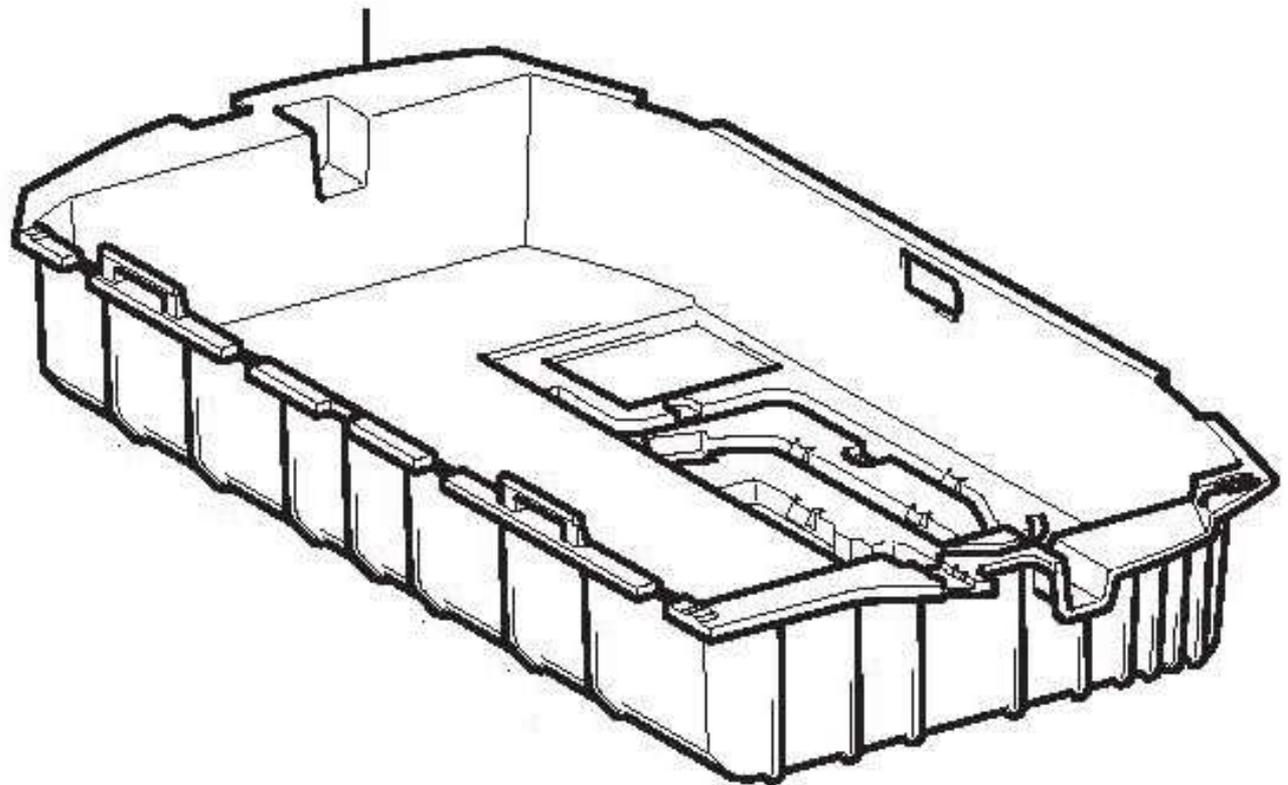


Vertical is Locked
Horizontal is Unlocked

Step 3 - Lift Out REAR DECK FLOOR BOX

REAR DECK FLOOR BOX

Part Number 64993



Lift Out REAR DECK FLOOR BOX

- Hand grip on each side,
Tilt to get out of tailgate.

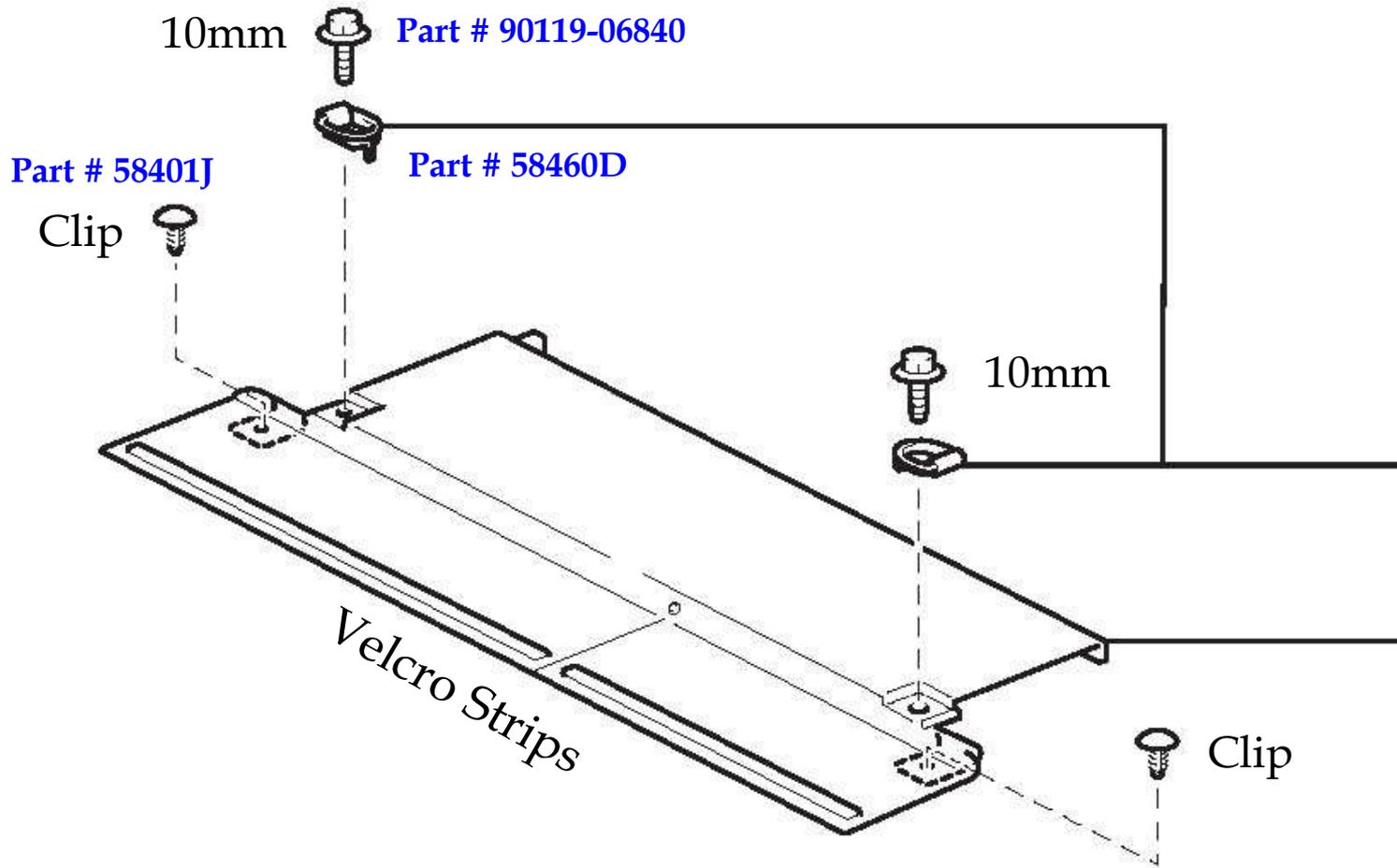


Note the used HID lamps in case Toyota ever decides to reimburse us.
Replaced at 65,000 and 123,000 miles.

Remove REAR NO. 1 FLOOR BOARD



Remove REAR NO. 1 FLOOR BOARD



Remove REAR NO. 1 FLOOR BOARD



Remove LUGGAGE HOLD BELT STRIKER-Left Side-10mm



Remove LUGGAGE HOLD BELT STRIKER-Right Side-10mm



Lift Velcro Connecting Flap to Seat
Back and Remove CLIP-Left Side



Lift Velcro Connecting Flap To Seat
Back and Remove CLIP-Left Side

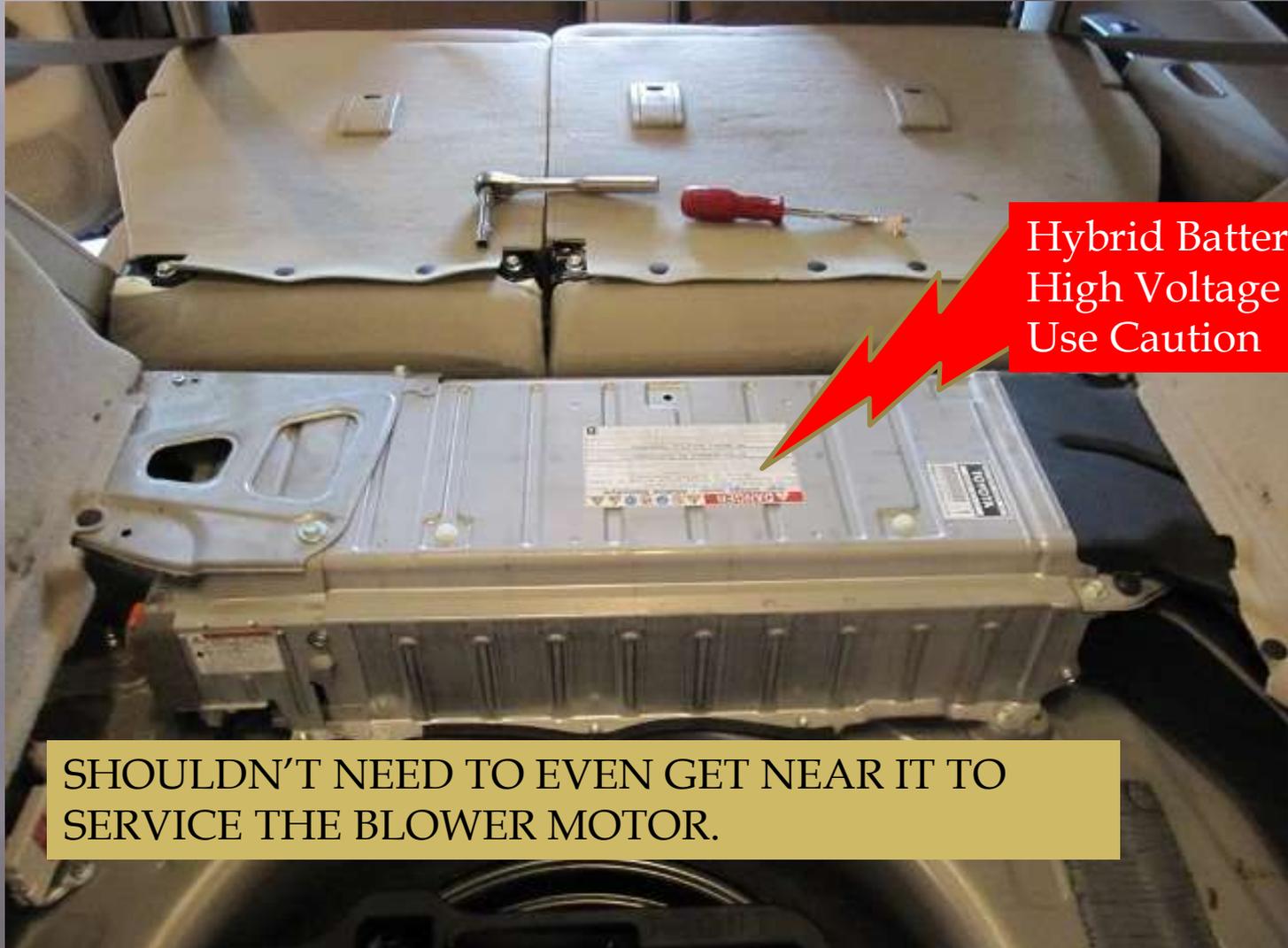


REAR NO. 1 FLOOR BOARD Removed



Hybrid Battery
High Voltage
Use Caution

REAR NO. 1 & 2 FLOOR BOARD Removed

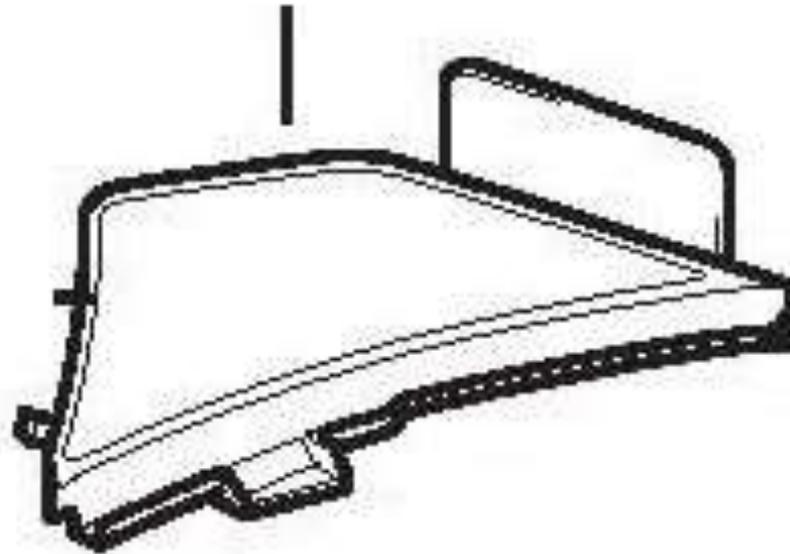


Hybrid Battery
High Voltage
Use Caution

SHOULDN'T NEED TO EVEN GET NEAR IT TO
SERVICE THE BLOWER MOTOR.

Remove Rear No. 3 Floorboard
covering 12-volt battery

REAR NO. 3 FLOOR BOARD



Part Number 54817-Part May Vary with Interior Color

Rear No. 3 Floor Board Located above 12-volt battery

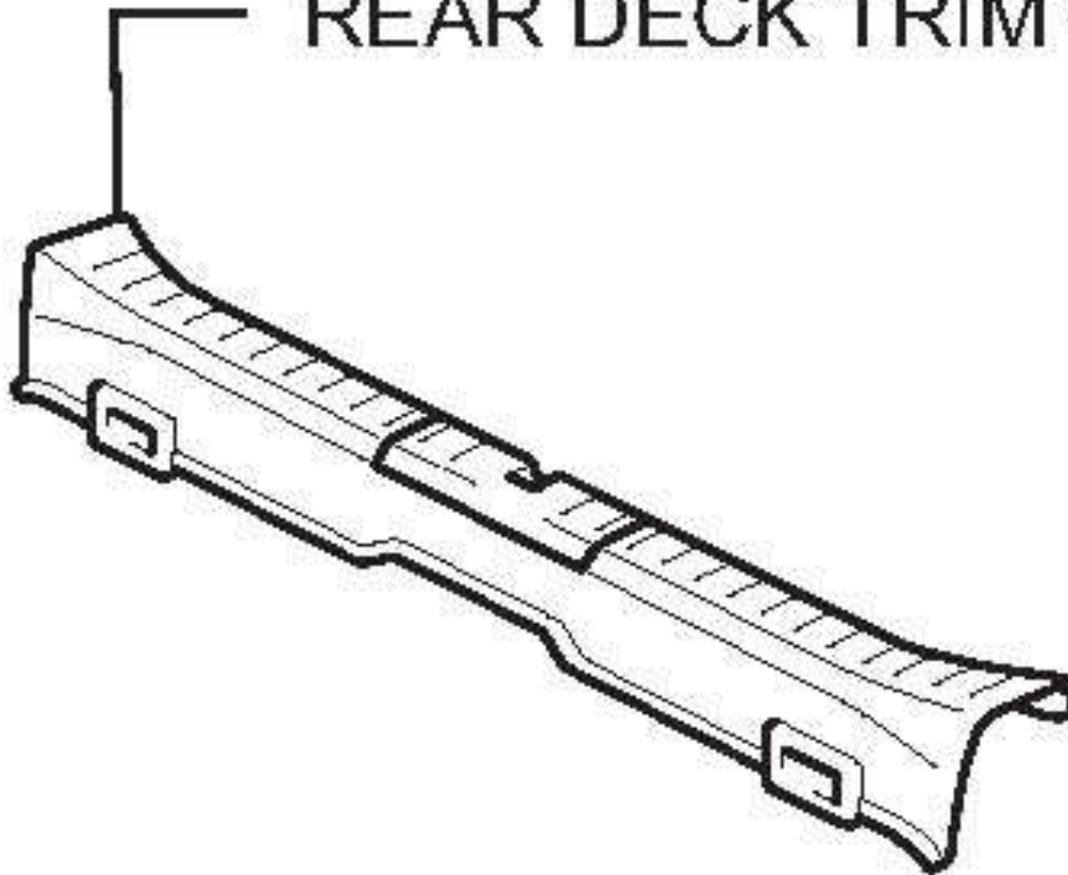
Pull out on Tab on panel, then lift Floor board out



Remove REAR DECK TRIM COVER

Part Number 64716D-Part Varies with Interior Color

REAR DECK TRIM COVER



REAR DECK TRIM COVER

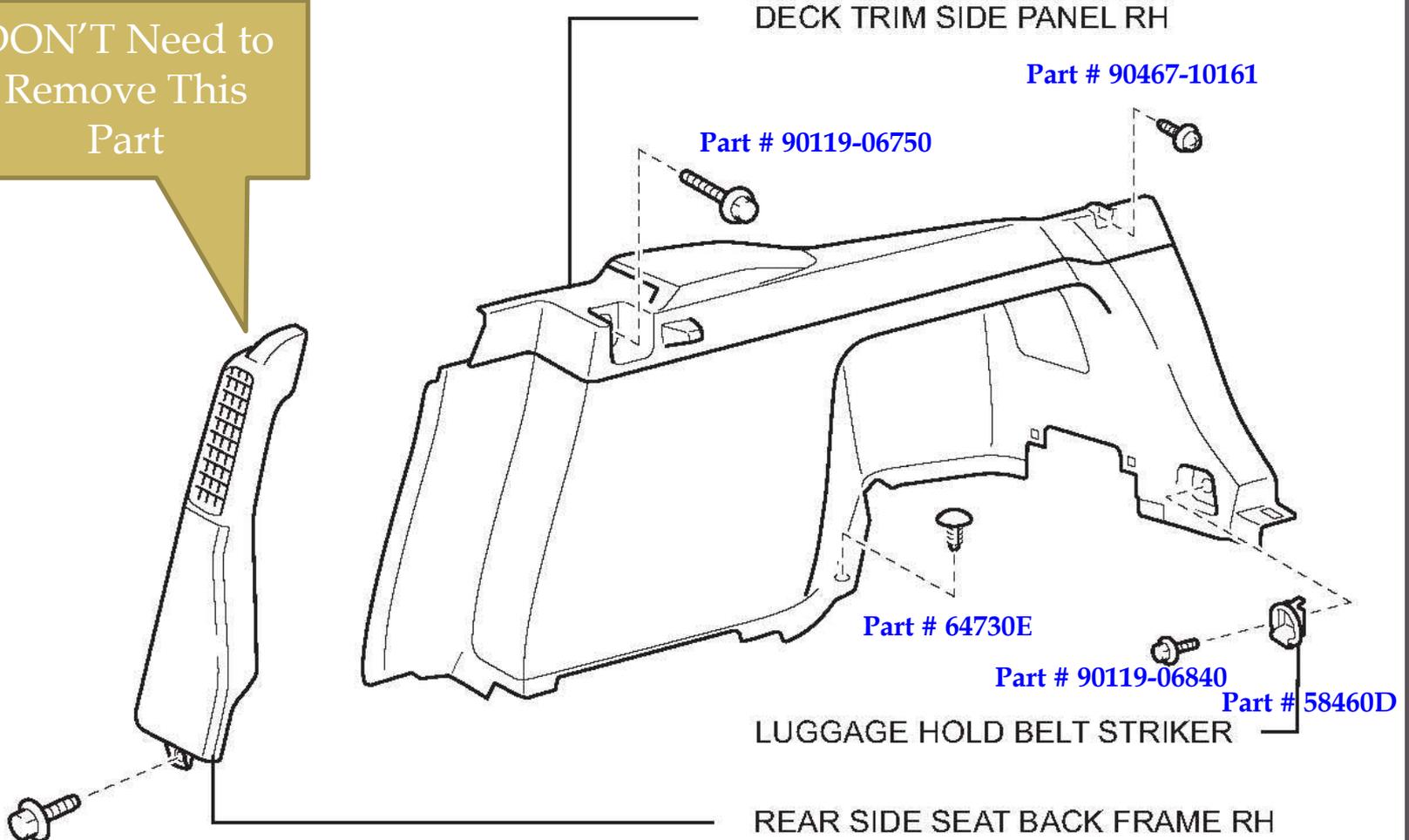
Snaps In/Out -

Grip under inner surface and pull outward



Remove DECK TRIM SIDE PANEL RH

DON'T Need to
Remove This
Part



DECK TRIM SIDE PANEL RH

Removal - 4 Fasteners



Remove Screw with 10mm
Socket or Phillips
Screwdriver

Remove Long Bolt with
10mm Socket

Remove Rear Clip with
Trim Removal Tool

Remove Luggage Hold Belt
Striker with 10mm Socket

Screw at Top Rear of DECK TRIM SIDE PANEL RH



Remove Bolt Screw with
Phillips Screwdriver or
10mm Socket

Bolt at Top Front of DECK TRIM SIDE PANEL RH



Remove Bolt Screw with
10mm Socket

DECK TRIM SIDE PANEL RH Bolt and Screw



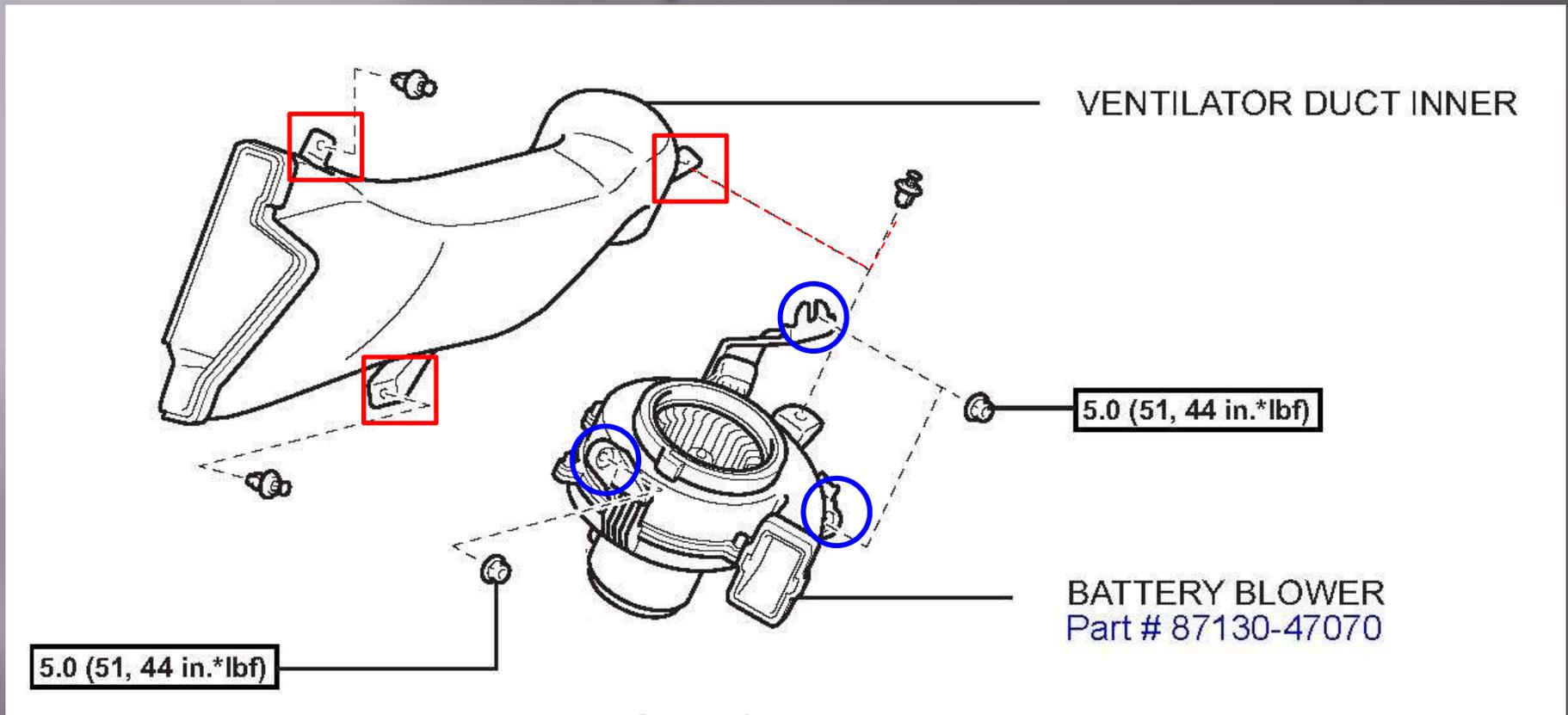
Luggage Hold Belt Striker at Bottom Rear of DECK TRIM SIDE PANEL RH

Disconnect Negative Battery
Terminal Before
Disconnecting and/or
removing Blower Motor



Remove Bolt Screw with
10mm Socket

Drawing Of Ventilator Duct (3 Clips) and Battery Blower (3 nuts)

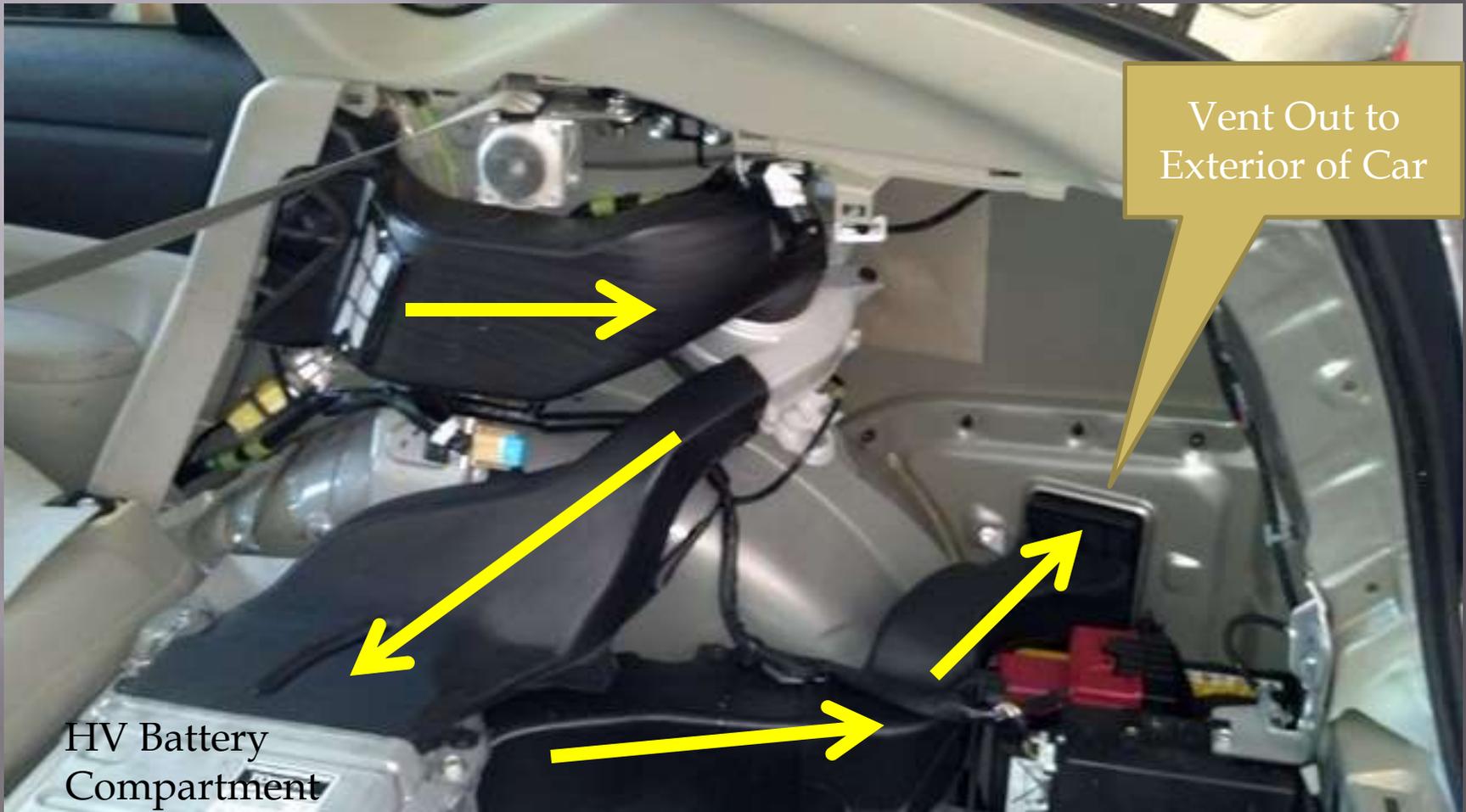


There are 3 Clips Holding Duct in Place Outlined in Red.

Pull up head of clip before reinserting

Note: Torque is 44 inch pounds, about 4-foot pounds for Battery Blower Nuts if it is removed or replaced. Do not overtighten.

View Of Exposed Ducts & Battery Blower



Vent Out to Exterior of Car

HV Battery Compartment

Air Flow Direction 

Remove the 3 clips and then carefully clear bottom tab of ventilator duct from behind wire harness. Lift duct off blower motor.



Clips that Secure Ventilator Duct Inner

Part # 90467-07117



No obstruction for this clip
attaching duct to blower



This end of VENTILATOR DUCT
INNER slides out of the REAR SIDE
SEAT BACK FRAME RH

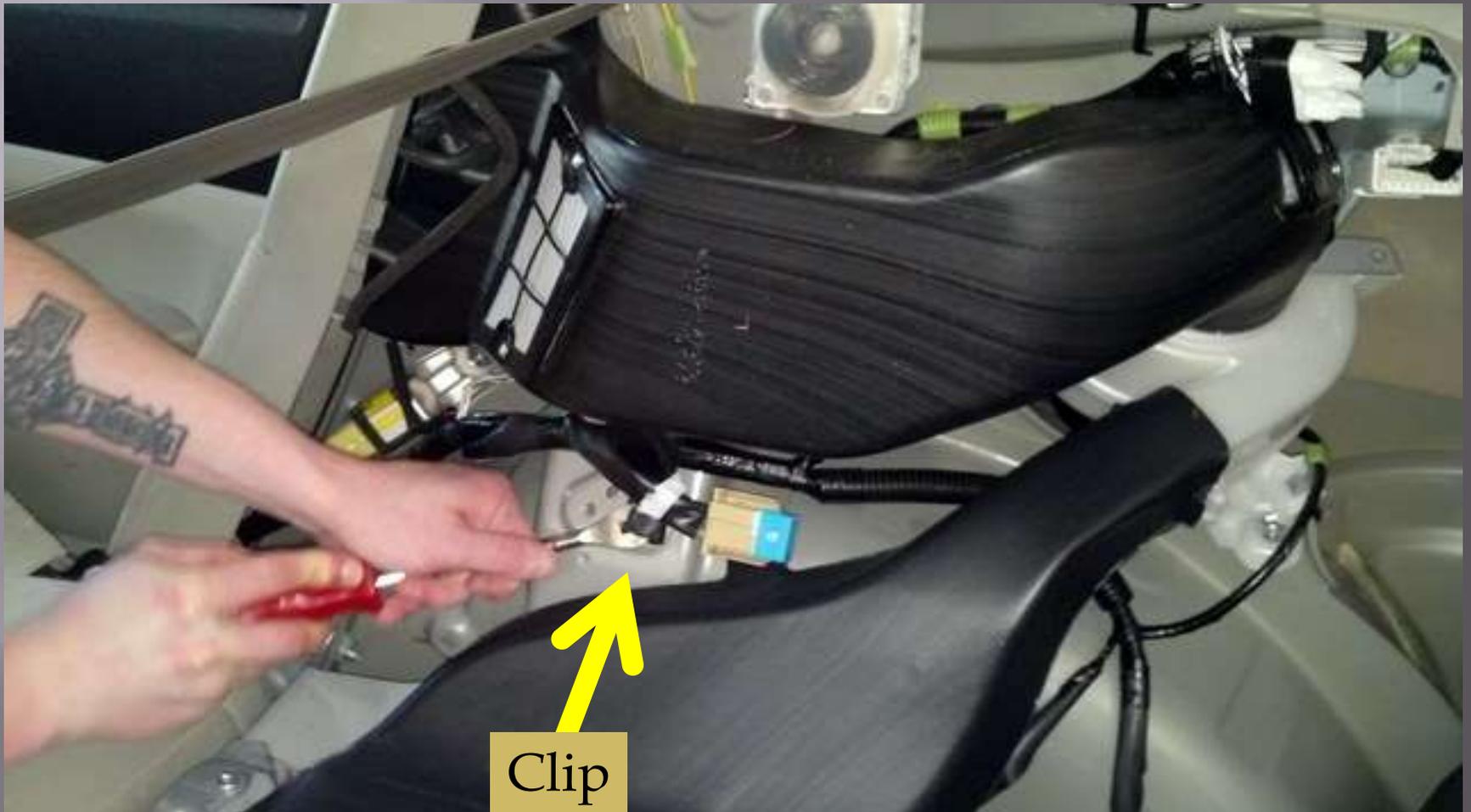
Clip



There is a filter near the front of the duct inside the panel, but it's not at the intake.



This Clip is under a Wire
Harness.



Blower with Duct Moved Aside



Very Clean for 125,000 Miles NO NEED to Remove Blower Motor to Clean



If only MINOR Cleaning is necessary, Q-tips or a small brush work. Use a vacuum to supply constant suction in the area you're cleaning so dust/hair don't go into the battery compartment, but not so much it spins the motor. If really clogged, probably should remove Blower Motor to clean and clean ducts as well.

After MINOR Cleaning and
Reassembly Total Time-45 Minutes
Second Disassembly for More Pictures
Doesn't Count.



Panel Back in Place

