

Eliminate Seat Belt Rattle



Heard a rattle when riding over bumps. It was coming from the passenger area. Thought it might be the roll of cleaning wipes in the passenger door pocket. But that was a thin plastic container and this sounded metallic. Also noticed that the seat was back very far and thought it might be rubbing, but that wouldn't have a metallic sound. Decided I should check the door pocket when I got home. Forgot!

The next day there was a forum question asking if anyone else had found a rattle caused by the passenger seat belt hitting the side of the

seat, when not in use. A light lit! That could be the rattle I heard, it could sound metallic?

That Was The Rattle I Heard!

I went out and looked. Nothing that could make that sound in the passenger door pocket. Sure enough, the tongue that slips into the belt buckle was very close to the seat back and with a slight movement it hit! That was the metallic type sound I heard. Put some material around the metal and plastic parts so they could not hit the seat for a test. Took the car out for a drive, and no rattle sound!

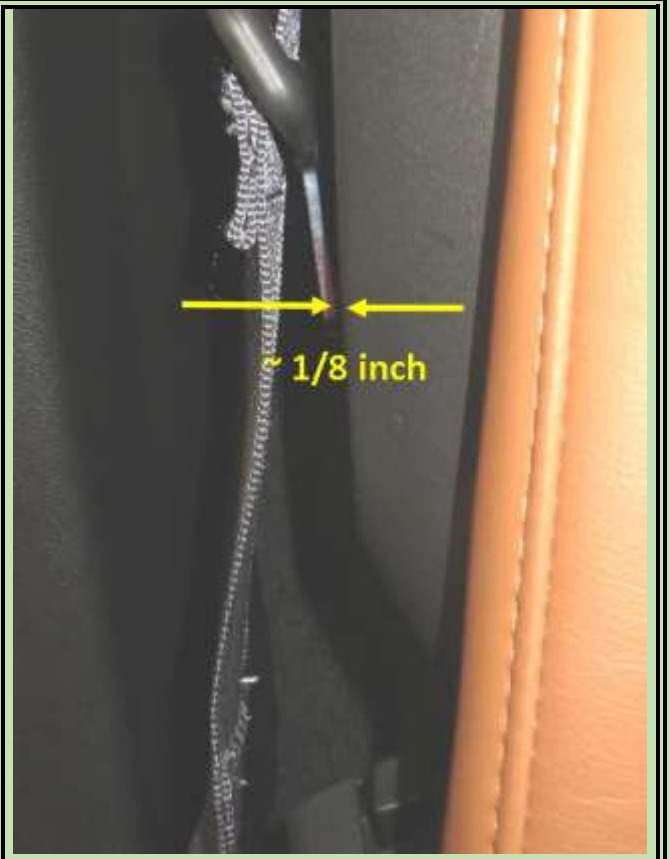
The Solution, Use A Seat Belt Pad

By using a seat belt shoulder pad, it could be placed over the offending parts. Decided since the belt was black and the seat back near where the belt was located, was also black, that was the best color to use. As usual, it wasn't quite that simple and it also needed to be easy to adjust or move up the belt when a passenger was in the car.

The following picture overview shows what was done.

Photo Overview

The tongue on the seat belt is very close to the seat back as shown in the picture right. I tried a number of seat positions but the metal tongue was always close to the seat back. The seat is set high for my wife, the main, although infrequent, passenger! It is also set at about the same angle as my seat when driving. Tried other seat positions but there were no practical positions where the seat would not be susceptible to having the metal belt parts hit on even a modestly bumpy road.



Purchased a Bell seat belt pad for \$6. It was made of foam and used Velcro strips to fit over the belt.

You can see from this photo that the plastic portion of the tongue that the belt slips through is much wider than the belt. The belt pad was designed to fit with a slip clearance over the belt but was not wide enough to cover the plastic and tongue. The Velcro closure was about an inch from the edge and the two Velcro parts would not close in that area.





The solution was to add an inch wide piece of Velcro to the outside edge of the existing Velcro strip on the pad. A piece 3 inches long would provide the attachment interface needed. The added Velcro had a very strong adhesive tape on to the back side, designed to attach to material such as the foam from which the pad was made.

In this picture the extra piece of Velcro (white) was pressed in place. It allows the mating Velcro strip to attach another ~1 inch further apart so that section can cover the plastic part of the tongue.



The final belt pad covers the offending buckle parts from hitting the back. The padding makes any contact with the seat a non-issue!

After my wife used the pad, which she liked, she did not cover the buckle when she returned the shoulder belt. I noticed that even when the pad cover was not over the buckle, it still prevented the buckle from hitting the back of the seat! It spaced the buckle away from the seat back just by its bulk! Did not have to go through the trouble of making it wider to actually cover the buckle!

Other Stingray PDF's Available:



Some 37 items discuss improvements or information about the Stingray function and/or esthetics. Some are minor and others, like the genuine carbon fiber side skirts, include detailed install information.

Below are the PDF's available. Click on picture (may need Ctrl pressed.) Or just copy and paste the PDF info (Blue type) into your browser. Or email me at GUtrachi@aol.com and state the title desired, shown in Yellow:

Rusty C7 Muffler

Why the C7 muffler is rusted and a simply way to make rust turn matte black.

Bottom pic rusted, top pic treated

http://netwelding.com/Muffler_Rust.pdf



Change C7 Oil

WHY change your own oil and HOW to do it

Revised, includes C7 Lifting Methods

http://netwelding.com/Changing_Oil.pdf



Latch Hatch

Window Valet Helps 2014/2015 Latch

Includes M7 Crazy Seat Memory Recall

http://netwelding.com/Hatch_Latch.pdf



C7 Carbon Fiber Side Skirts

How to install side skirts with jacking information for DIY's without lifts

http://netwelding.com/Side_Skirts.pdf



Carbon Fiber Splitter w/End Plates

How to install Splitter & Nylon bra fit

http://netwelding.com/CF_Splitter.pdf



Removing GM Plastic Film

How To Remove The Rocker Panel Film

http://netwelding.com/Rocker_Panel_Film.pdf



C7 Mirrors 2 3/8" Wider Than C6

Device assists with 8 foot garage door

http://netwelding.com/Narrow_Garage_Device.pdf



Mirror Proximity Alarm

Limit switch alarm warns when passenger mirror is too close to door frame

http://netwelding.com/Mirror_Proximity_Alarm.pdf



Making Jacking Pads for C7

Jacking Pads must 2 1/2 inch max OD. Made four. Also Hockey Puck pad and 2 1/2 inch OD x 2 inch high pads bought after installing side skirts.

http://netwelding.com/Jacking_pads.pdf



C7 Radar Power

The C7 cannot tap the mirror or sun visor for power !

http://netwelding.com/Radar_Detector_Power.pdf



C7 Belt Rattle

Passenger seat belt rattles against the seat back. The solution, add a shoulder belt pad.

http://netwelding.com/Eliminate_Rattle.pdf



Aluminum C7 Chassis and Weld Repair

The C7 has an all aluminum chassis, made from 117 welded pieces

http://netwelding.com/Aluminum_Chassis.pdf



Carbotech Ceramic Brake Pads

The Z51 has very dusty brakes. These pads help!

http://netwelding.com/Ceramic_Pads.pdf



C7 License Plate Frame;

Must Meet South Carolina Law

http://netwelding.com/License_Plate_Frame.pdf



Manage C7 Spilled Gas

Protect the side of the C7 when filling up with gas

http://netwelding.com/Manage_Spilled_Gas.pdf



C7 License Plate & Cargo Lights

LED license plate light & cargo area bulbs are brighter and whiter

http://netwelding.com/License_Plate_Light.pdf



C7 Rear Cargo Area

Rear cargo area needs storage device and rear protector

http://netwelding.com/Rear_Cargo_Area.pdf



C7 Door Panel Protector

protector plate added to prevent scuffing of door when exiting

http://netwelding.com/Door_Panel_Protector.pdf



C7 Improved Cup Holder

A solution to the cup holder spilling under hard braking or sharp turns.

http://netwelding.com/Improved_cup_Holder.pdf



C7 Wheel Chatter/Hop

Why sharp, low speed turns with cold tires causes the front tires to chatter/hop.

http://netwelding.com/Wheel_Chatter.pdf



Carbon Fiber Grille Bar

Install genuine carbon fiber grille bar overlay

http://netwelding.com/CF_Grille_Bar.pdf



Jacking a C7 Vette

Safely jacking either front only or back and front

http://netwelding.com/Jacking_A_C7.pdf



Deer Whistle Installed on C7

Do they work? Plus Install Info

http://netwelding.com/Deer_Whistle.pdf



C7 Battery Issues

Even after using a GM type charger and showing fully charged, voltages were still low!

http://netwelding.com/Battery_Issues.pdf



C7 Splash Guards

GM offers splash guards for the C7 Corvette. An easy DIY installation.

http://netwelding.com/Splash_Guard.pdf



C7 Blind Spot Mirror

Smaller rear and side windows cause C7 blind spots. Small "blind spot mirrors" help

http://netwelding.com/Blind_Spot.pdf



C7 Skid Pad Protector

After the air dam, the aluminum "skid pad" hits driveway ramps etc. Plastic protector helps.

http://netwelding.com/Skid_Pad_Protector.pdf



C7 Wheel Locks

Wheel locks, torqued to required 100 ft-lbs, help protect your expensive wheels from theft.

http://netwelding.com/Wheel_Locks.pdf



C7 OnStar Lights

The OnStar LED's in the rear view mirror, at a quick glance, look like a police car flashing light! This is a fix.

http://netwelding.com/OnStar_Lights.pdf



C7 Skip Shift Eliminator

Skip Shift Eliminator install with suggestions on jacking a C7.

http://netwelding.com/Skip_shift_Eliminator.pdf



C7 Catch Can & Clean Oil Separator

Direct inject engines like the LT1, are particularly subject to "coking." What is Coking and how to reduce the potential?

http://netwelding.com/Catch_Can.pdf



C7 Round Shift Knob

A round shift knob shortens throw.

http://netwelding.com/Shift_Knob.pdf



C7 Stingray Sill Plate

Stingray sill plate replaces original.

http://netwelding.com/Sill_Plate.pdf



C7 Nylon Bra

Nylon Bra Stops Bugs on Front and Grill.

http://netwelding.com/Nylon_Bra.pdf



C7 Clutch Fluid Change

Clutch fluid after 3000 miles gets dirty

http://netwelding.com/Clutch_Fluid.pdf



Carbon Fiber Hood Vent

Replaces Plastic Hood Vent

http://netwelding.com/Hood_Vent.pdf



Cold Air Intake

Low Restriction Air Filter & Duct

http://netwelding.com/Cold_Air_Intake.pdf



May Be Of Interest:

Engineering a ProStreet Rod

*How Our '34 ProStreet Rod Was Designed and Built
8.2 Liter Engine, 4 Wheel Disk Brakes & Coilover*

<http://netwelding.com/Engineering%20Street%20Rod%203-08.pdf>

