



# I-CAR CORVETTE Z06 & ZR1 REPAIR PROGRAM

## Purpose

I-CAR now offers a training program for Corvette dealers on how to properly repair the unique Corvette Z06/ZR1 aluminum body structure.

## Chassis

The Z06/ZR1 Corvette has an all-aluminum chassis, in place of the high-strength steels utilized in the standard C6 Corvette chassis. As the ZR1 Corvette vehicle arrives at Chevrolet dealerships, GM has deemed it necessary to have GM Body Structural Technicians fully trained on this vehicle.



## Program

Through the spring of 2009, I-CAR is conducting twenty Z06/ZR1 structural repair training sessions at the I-CAR Tech Center in Appleton, Wisconsin. Each four-day class includes instruction on GM's recommended sectioning procedures for its most advanced Corvette and allows the student technicians to participate in hands-on sectioning work utilizing a jiggging bench.



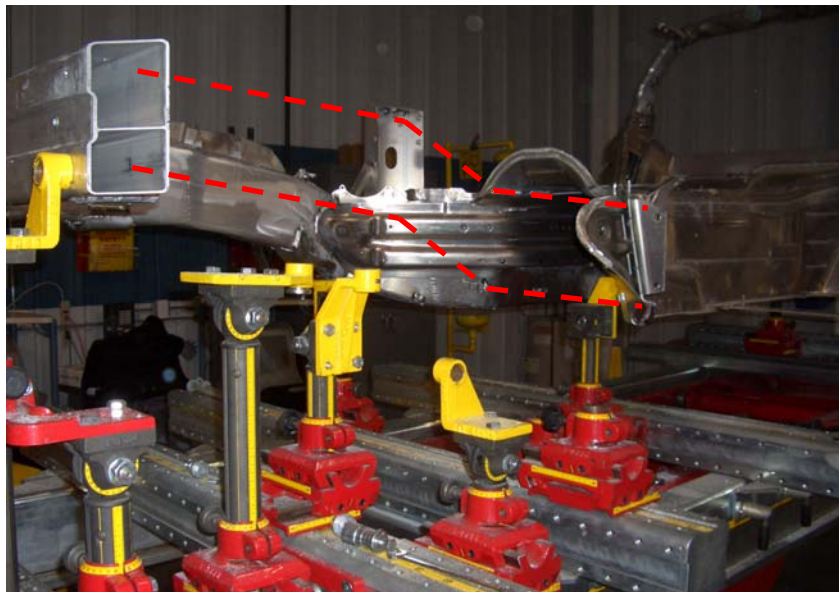
*A Car Bench is used during the Z06/ZR1 Corvette class at the I-CAR Tech Center in Appleton, Wisconsin. At this point in the training, the universal jigs have been lowered in preparation for rail replacement.*



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### Equipment

Using the proper equipment is vital to ensuring the finished quality of the repair. I-CAR's Corvette Z06/ZR1 structural repair program makes use of Car Bench's universal jig system. Each class includes a complete rail repair, with GM's recommended sectioning procedures demonstrated on the Car Bench. With the holding and measuring capability of the universal jigs, no additional equipment is needed, and the repair is completed quickly and easily.



*The left rail is cut out and jigs are put in place to support the new rail section.*



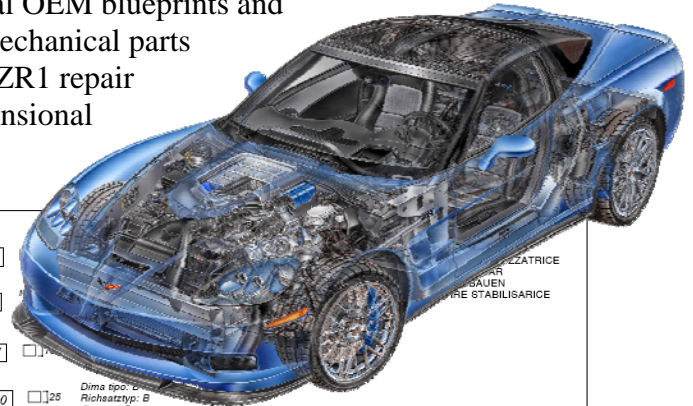
*The new rail is bolted to the jigs and welded in place.*



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## Data

I-CAR relies on Car Bench for the Z06/ZR1 measurement data to complete the repair. Car Bench data is produced from three-dimensional OEM blueprints and then verified through physical testing, both with mechanical parts installed and removed. At I-CAR's Corvette Z06/ZR1 repair program, Car Bench showcases its new three-dimensional computer-aided-draft-design (CADD) datasheet.



MECCANICA SMONTATA

TELAIO 4500mm  
- FRAME 4500mm  
- RICHTRAHMEN 4500mm  
- MARBRE 4500mm

TELAIO 3875 mm  
- FRAME 3875 mm

61	M8X80
38	M6X50
37	CODOLO Ø 18
35	M6X60
33/1	M10X90
33	M10X80
23/1	STUD M14
23	STUD M14
11/1	M10X80
11	M10X80
10/1	STUD M14
10	STUD M14
2	CODOLO Ø 10
REF	SPECIAL PARTS

Date: 30-Oct-08  
Codice: A4380300/U  
Number: 2429  
CAR: Corvette Standard '08  
CORVETTE

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