



Figure A-1: Target Vehicle, Right Front $\frac{3}{4}$ View, As-Received



Figure A-2: Target Vehicle, Left Rear $\frac{3}{4}$ View, As-Received

MFD. BY FORD MOTOR CO.

DATE: 12/06

FRONT GAWR: 1150KG/2535LB

GVWR: 2186KG/4820LB

REAR GAWR: 1066KG/2350LB

THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR
VEHICLE SAFETY, BUMPER, AND THEFT PREVENTION STANDARDS
IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.

VIN: 1FAHP241X7G148774

TYPE: Passenger Car

MAXIMUM LOAD = OCCUPANTS + LUGGAGE = 430KG/ 950LB

OCCUPANTS = 5 TOTAL; 2 FRONT, 3 REAR

TIRE (FR): P215/60R17

RIMS (FR): 17X7.0J

(RR): P215/60R17

(RR): 17X7.0J

PRESSURE (FR): 220 kPa/ 32 PSI COLD (RR): 220 kPa/ 32 PSI COLD



1FAHP241X7G148774

TRAILER TOWING - SEE OWNER GUIDE

EXT PNT: JP

RC: 48

DSO:

F0041

R0082

INT TR

TP/PS

R

AXLE

TR

SPR

7PG1F

HT

6

1A

A

BB33

805

CMC

5U5A-5420472-AA

1200612112087

Figure A-3: Target Vehicle Manufacturer's Label



TIRE AND LOADING INFORMATION

SEATING CAPACITY TOTAL : 5 FRONT: 2 REAR: 3

The combined weight of occupants and cargo should never exceed : **430 kg or 950 lbs.**

▽5U5A-1532-AA (TLU)

TIRE	SIZE	COLD TIRE PRESSURE
FRONT	P215/60R17	220 KPA, 32 PSI
REAR	P215/60R17	220 KPA, 32 PSI
SPARE	T135/90D17	415 KPA, 60 PSI

**SEE OWNERS
MANUAL FOR
ADDITIONAL
INFORMATION**

1FAHP241X7G148774



Figure A-4: Target Vehicle Tire Placard

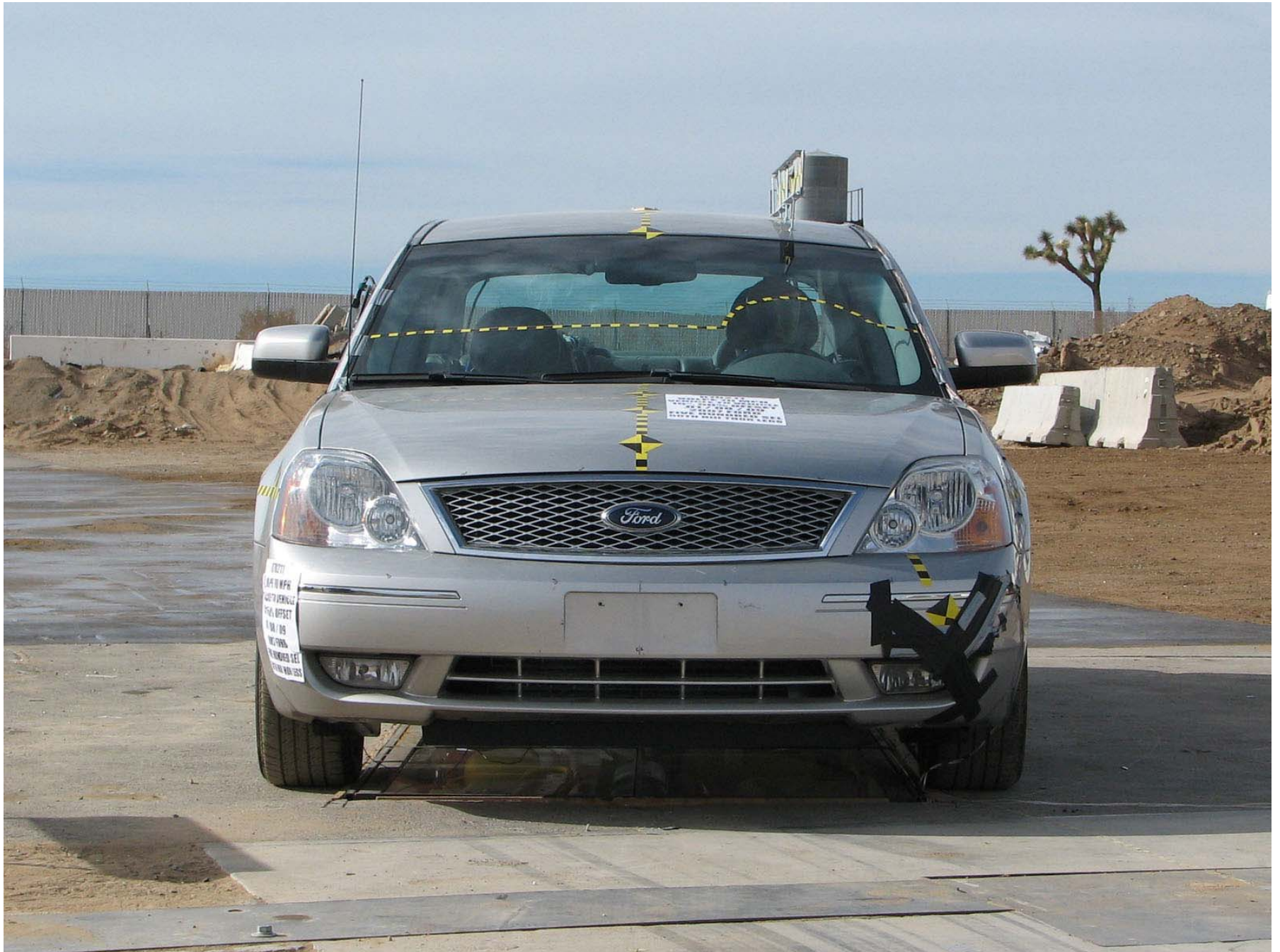


Figure A-5: Target Vehicle Pre-Test Front View

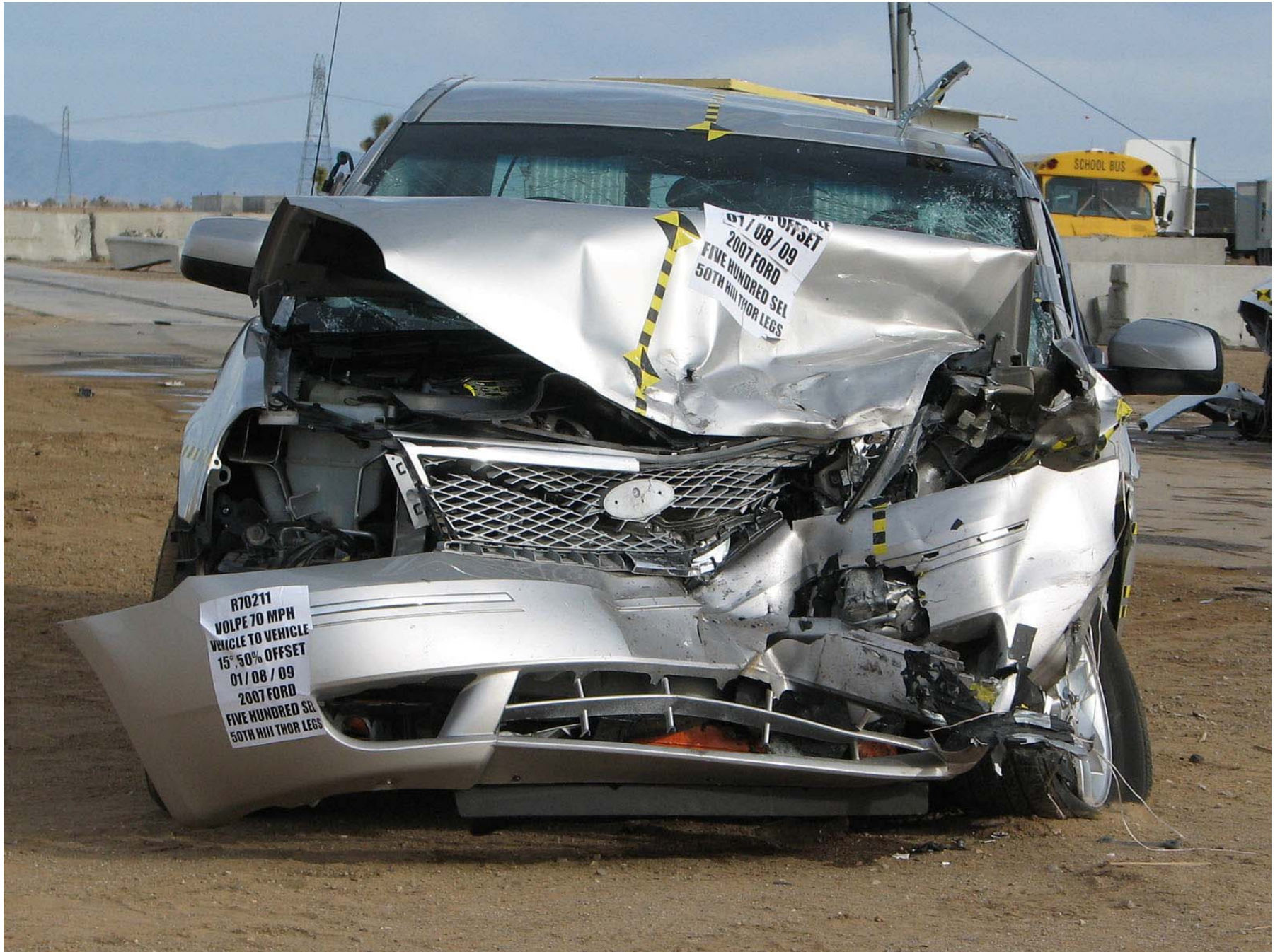


Figure A-6: Target Vehicle Post-Test Front View



Figure A-7: Target Vehicle Pre-Test Left Front $\frac{3}{4}$ View



Figure A-8: Target Vehicle Post-Test Left Front ¾ View



Figure A-9: Target Vehicle Pre-Test Left Side View



Figure A-10: Target Vehicle Post-Test Left Side View



Figure A-11: Target Vehicle Pre-Test Left Rear $\frac{3}{4}$ View



Figure A-12: Target Vehicle Post-Test Left Rear $\frac{3}{4}$ View



Figure A-13: Target Vehicle Pre-Test Rear View



Figure A-14: Target Vehicle Post-Test Rear View



Figure A-15: Target Vehicle Pre-Test Right Rear $\frac{3}{4}$ View



Figure A-16: Target Vehicle Post-Test Right Rear $\frac{3}{4}$ View



Figure A-17: Target Vehicle Pre-Test Right Side View



Figure A-18: Target Vehicle Post-Test Right Side View



Figure A-19: Target Vehicle Pre-Test Right Front $\frac{3}{4}$ View



Figure A-20: Target Vehicle Post-Test Right Front $\frac{3}{4}$ View



Figure A-21: Bullet Vehicle, Right Front $\frac{3}{4}$ View, As-Received



Figure A-22: Bullet Vehicle, Left Rear $\frac{3}{4}$ View, As-Received

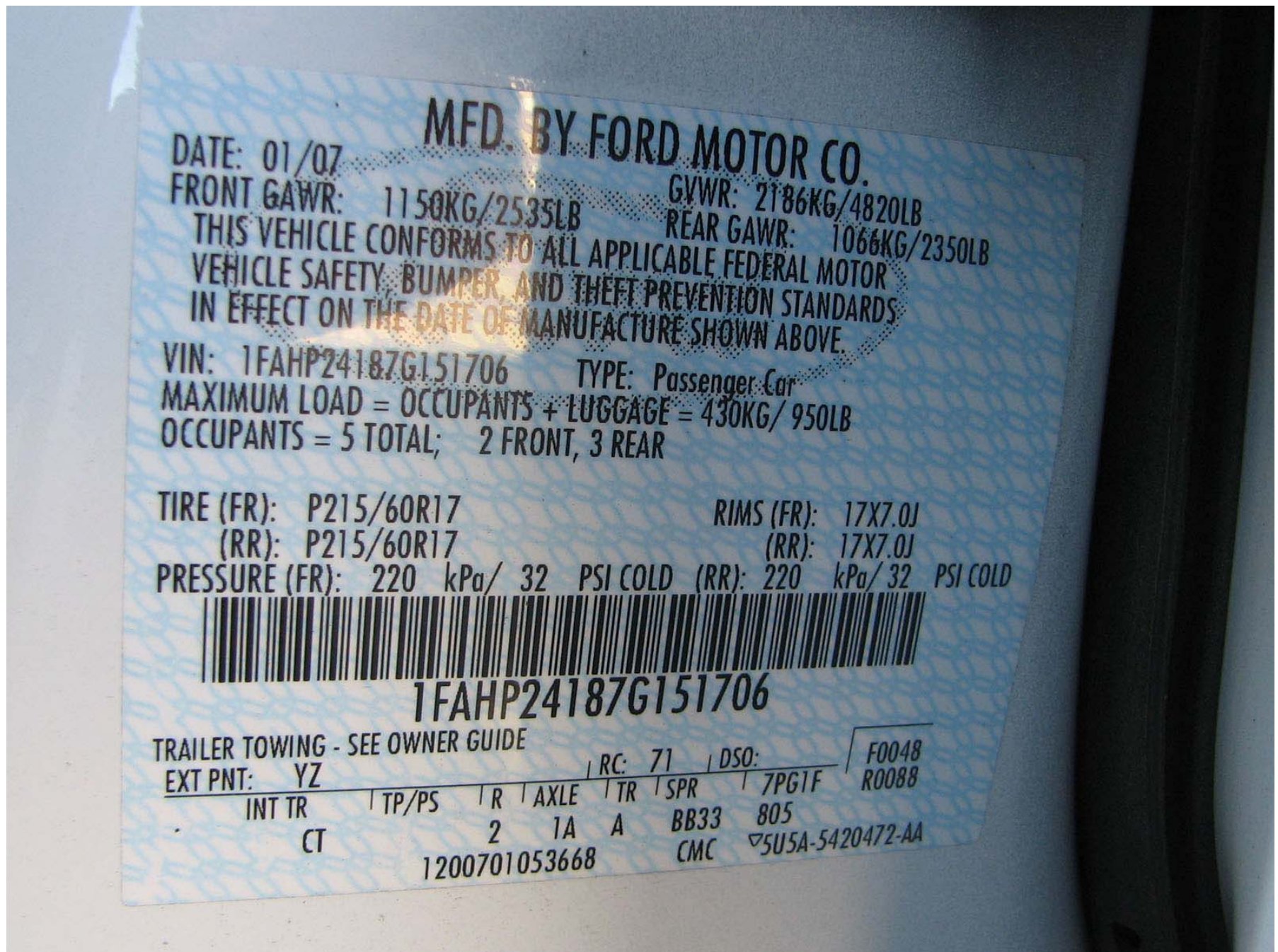


Figure A-23: Bullet Vehicle Manufacturer's Label



TIRE AND LOADING INFORMATION

SEATING CAPACITY

TOTAL : 5

FRONT: 2

REAR: 3

The combined weight of occupants and cargo should never exceed : **430 kg or 950 lbs.**

▽ 5U5A-1532-AA (TLU)

TIRE	SIZE	COLD TIRE PRESSURE
FRONT	P215/60R17	220 KPA, 32 PSI
REAR	P215/60R17	220 KPA, 32 PSI
SPARE	T135/90D17	415 KPA, 60 PSI

**SEE OWNERS
MANUAL FOR
ADDITIONAL
INFORMATION**

1FAHP24187G151706



Figure A-24: Bullet Vehicle Tire Placard



Figure A-25: Test Vehicle Pre-Test Front View



Figure A-26: Test Vehicle Post-Test Front View



Figure A-27: Bullet Vehicle Pre-Test Left Front $\frac{3}{4}$ View



Figure A-28: Bullet Vehicle Post-Test Left Front $\frac{3}{4}$ View



Figure A-29: Bullet Vehicle Pre-Test Left Side View



Figure A-30: Test Vehicle Post-Test Left Side View



Figure A-31: Bullet Vehicle Pre-Test Left Rear $\frac{3}{4}$ View



Figure A-32: Bullet Vehicle Post-Test Left Rear 3/4 View



Figure A-33: Bullet Vehicle Pre-Test Rear View



Figure A-34: Test Vehicle Post-Test Rear View



Figure A-35: Bullet Vehicle Pre-Test Right Rear $\frac{3}{4}$ View



Figure A-36: Bullet Vehicle Post-Test Right Rear $\frac{3}{4}$ View



Figure A-37: Bullet Vehicle Pre-Test Right Side View



Figure A-38: Bullet Vehicle Post-Test Right Side View



Figure A-39: Bullet Vehicle Pre-Test Right Front $\frac{3}{4}$ View



Figure A-40: Bullet Vehicle Post-Test Right Front $\frac{3}{4}$ View

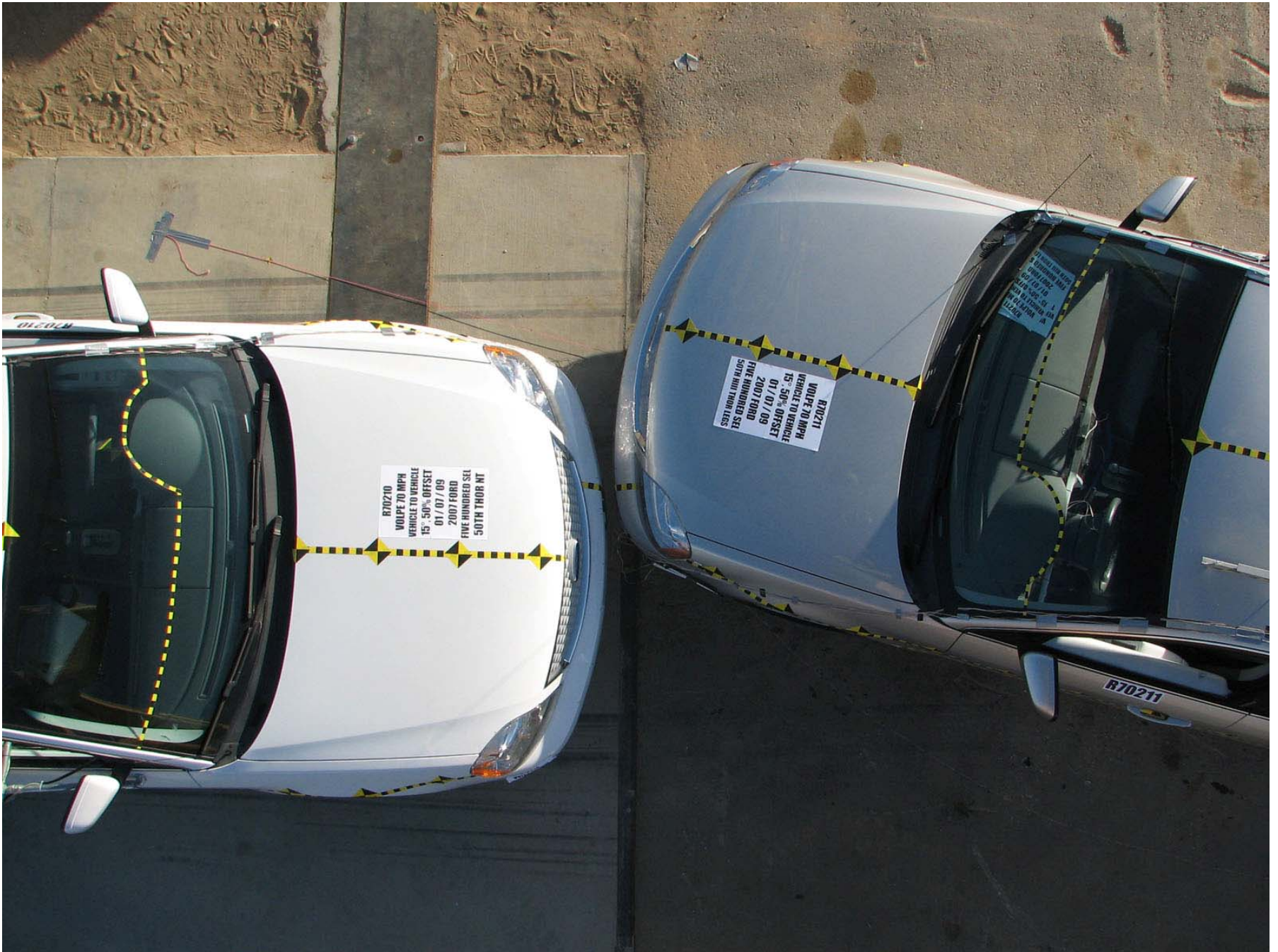


Figure A-41: Test Set-Up Pre-Test Overhead View



Figure A-42: Target Vehicle Post-Test Overhead View



Figure A-43: Bullet Vehicle Post-Test Overhead View



Figure A-44: Test Set-Up Pre-Test Overhead Close-Up View



Figure A-45: Target Vehicle Post-Test Overhead Close-Up View



Figure A-46: Bullet Vehicle Post-Test Overhead Close-Up View



Figure A-47: Test Set-Up Pre-Test Impact Point Marker



Figure A-48: Target Vehicle Post-Test Impact Point Marker



Figure A-49: Test Set-Up Pre-Test Impact Point Marker



Figure A-50: Target Vehicle Post-Test Impact Point Marker



Figure A-51: Test Set-Up Pre-Test Left Front $\frac{3}{4}$ View



Figure A-52: Test Set-Up Post-Test Left Front $\frac{3}{4}$ View



Figure A-53: Test Set-Up Pre-Test Right Front $\frac{3}{4}$ View



Figure A-54: Test Set-Up Post-Test Right Front $\frac{3}{4}$ View



Figure A-55: Test Set-Up Pre-Test Right Rear $\frac{3}{4}$ View



Figure A-56: Test Set-Up Post-Test Right Rear $\frac{3}{4}$ View



Figure A-57: Test Set-Up Pre-Test Left Rear $\frac{3}{4}$ View



Figure A-58: Test Set-Up Post-Test Left Rear $\frac{3}{4}$ View



Figure A-59: Target Vehicle Pre-Test Front $\frac{3}{4}$ View of Left Side Doors



Figure A-60: Target Vehicle Post-Test Front $\frac{3}{4}$ View of Left Side Doors



Figure A-61: Target Vehicle Pre-Test Rear $\frac{3}{4}$ View of Left Side Doors



Figure A-62: Target Vehicle Post-Test Rear $\frac{3}{4}$ View of Left Side Doors



Figure A-63: Target Vehicle Pre-Test Front $\frac{3}{4}$ View of Right Side Doors



Figure A-64: Target Vehicle Post-Test Front $\frac{3}{4}$ View of Right Side Doors



Figure A-65: Target Vehicle Pre-Test Rear $\frac{3}{4}$ View of Right Side Doors



Figure A-66: Target Vehicle Post-Test Rear $\frac{3}{4}$ View of Right Side Doors



Figure A-67: Target Vehicle Pre-Test Left Front Door



Figure A-68: Target Vehicle Post-Test Left Front Door



Figure A-69: Target Vehicle Pre-Test Left Rear Door



Figure A-70: Target Vehicle Post-Test Left Rear Door



Figure A-71: Target Vehicle Pre-Test Right Front Door



Figure A-72: Target Vehicle Post-Test Right Front Door



Figure A-73: Target Vehicle Pre-Test Right Rear Door



Figure A-74: Target Vehicle Post-Test Right Rear Door



Figure A-75: Target Vehicle Pre-Test Windshield View



Figure A-76: Target Vehicle Post-Test Windshield View



Figure A-77: Target Vehicle Pre-Test Engine Compartment View

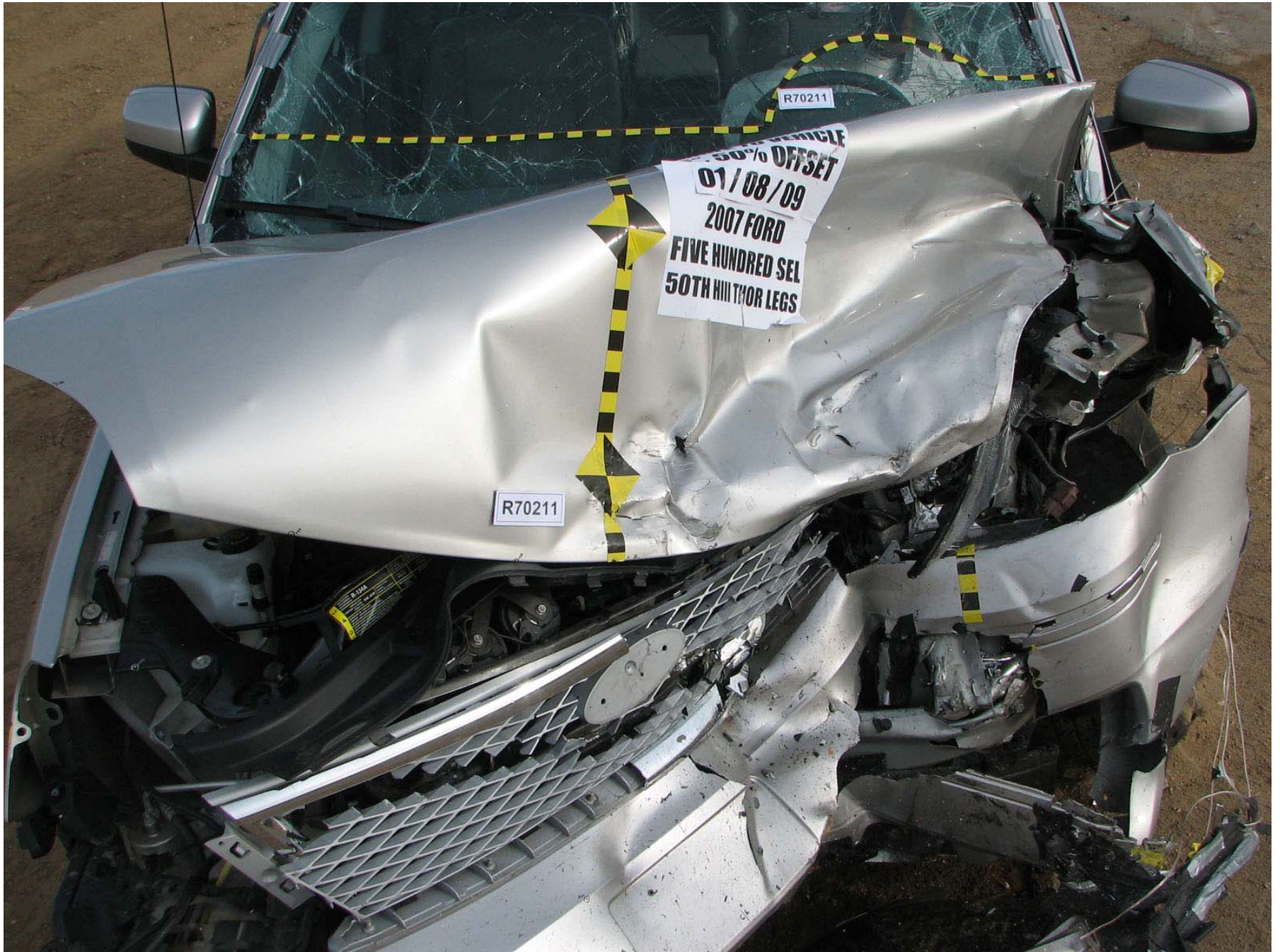


Figure A-78: Target Vehicle Post-Test Engine Compartment View



Figure A-79: Target Vehicle Pre-Test Fuel Filler Cap View



Figure A-80: Target Vehicle Post-Test Fuel Filler Cap View



Figure A-81: Target Vehicle Pre-Test Left Side A-Pillar Side View



Figure A-82: Target Vehicle Post-Test Left Side A-Pillar Side View



Figure A-83: Target Vehicle Pre-Test Left Side A-Pillar Rear 3/4 View



Figure A-84: Target Vehicle Post-Test Left Side A-Pillar Rear $\frac{3}{4}$ View



Figure A-85: Target Vehicle Pre-Test Left Side B-Pillar Side View



Figure A-86: Target Vehicle Post-Test Left Side B-Pillar Side View



Figure A-87: Target Vehicle Pre-Test Left Side B-Pillar Rear $\frac{3}{4}$ View



Figure A-88: Target Vehicle Post-Test Left Side B-Pillar Rear $\frac{3}{4}$ View



Figure A-89: Target Vehicle Pre-Test Left Side C-Pillar Side View



Figure A-90: Target Vehicle Post-Test Left Side C-Pillar Side View



Figure A-91: Target Vehicle Pre-Test Left Side C-Pillar Front ¾ View



Figure A-92: Target Vehicle Post-Test Left Side C-Pillar Front $\frac{3}{4}$ View



Figure A-93: Target Vehicle Pre-Test Left Front Sill Side View, Door Closed



Figure A-94: Target Vehicle Post-Test Left Front Sill Side View, Door Closed



Figure A-95: Target Vehicle Pre-Test Left Front Sill Side View, Door Open



Figure A-96: Target Vehicle Post-Test Left Front Sill Side View, Door Open



Figure A-97: Target Vehicle Pre-Test Left Front Sill Rear $\frac{3}{4}$ View, Door Closed



Figure A-98: Target Vehicle Post-Test Left Front Sill Rear $\frac{3}{4}$ View, Door Closed



Figure A-99: Target Vehicle Pre-Test Left Front Sill Rear ¾ View, Door Open

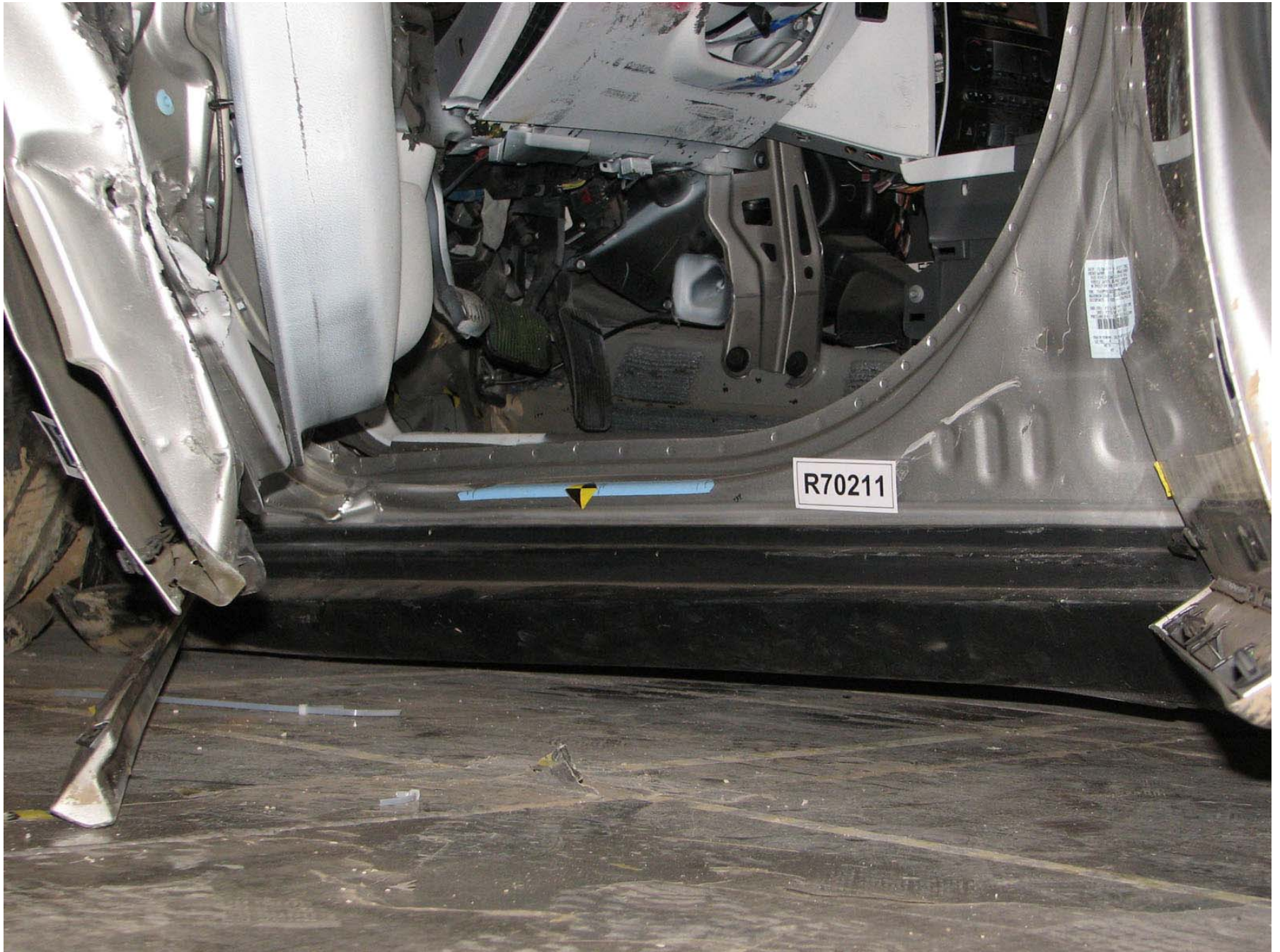


Figure A-100: Target Vehicle Post-Test Left Front Sill Rear $\frac{3}{4}$ View, Door Open



Figure A-101: Target Vehicle Pre-Test Left Rear Sill Side View, Door Closed



Figure A-102: Target Vehicle Post-Test Left Rear Sill Side View, Door Closed



Figure A-103: Target Vehicle Pre-Test Left Rear Sill Side View, Door Open



Figure A-104: Target Vehicle Post-Test Left Rear Sill Side View, Door Open



Figure A-105: Target Vehicle Pre-Test Left Rear Sill Rear $\frac{3}{4}$ View, Door Closed



Figure A-106: Target Vehicle Post-Test Left Rear Sill Rear $\frac{3}{4}$ View, Door Closed



Figure A-107: Target Vehicle Pre-Test Left Rear Sill Rear $\frac{3}{4}$ View, Door Open



Figure A-108: Target Vehicle Post-Test Left Rear Sill Rear $\frac{3}{4}$ View, Door Open



Figure A-109: Target Vehicle Pre-Test Right Side A-Pillar Side View



Figure A-110: Target Vehicle Post-Test Right Side A-Pillar Side View



Figure A-111: Target Vehicle Pre-Test Right Side A-Pillar Rear 3/4 View



Figure A-112: Target Vehicle Post-Test Right Side A-Pillar Rear $\frac{3}{4}$ View



Figure A-113: Target Vehicle Pre-Test Right Side B-Pillar Side View



Figure A-114: Target Vehicle Post-Test Right Side B-Pillar Side View



Figure A-115: Target Vehicle Pre-Test Right Side B-Pillar Rear ¾ View



Figure A-116: Target Vehicle Post-Test Right Side B-Pillar Rear $\frac{3}{4}$ View



Figure A-117: Target Vehicle Pre-Test Right Side C-Pillar Side View



Figure A-118: Target Vehicle Post-Test Right Side C-Pillar Side View



Figure A-119: Target Vehicle Pre-Test Right Side C-Pillar Front $\frac{3}{4}$ View



Figure A-120: Target Vehicle Post-Test Right Side C-Pillar Front $\frac{3}{4}$ View

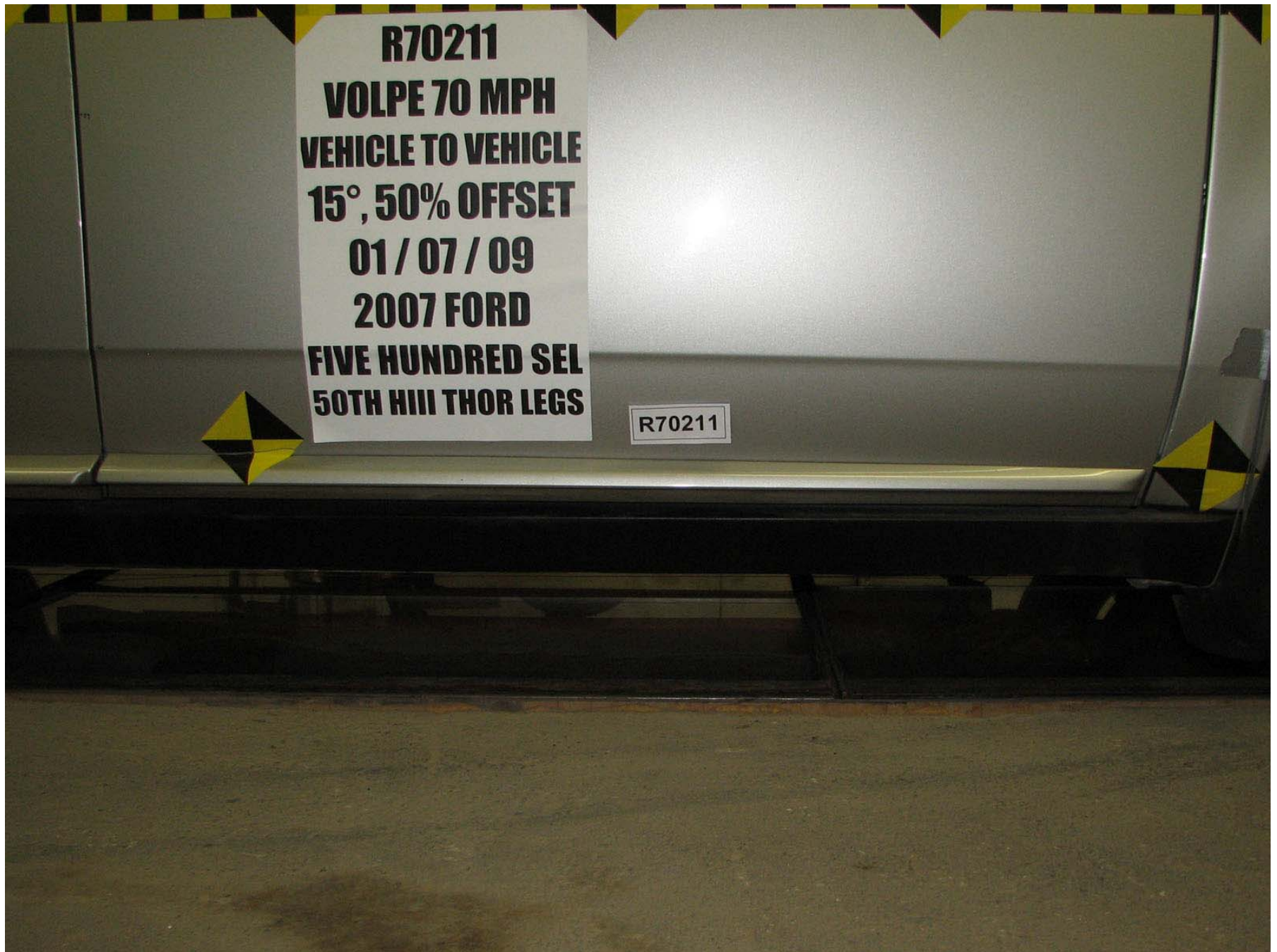


Figure A-121: Target Vehicle Pre-Test Right Front Sill Side View, Door Closed



Figure A-122: Target Vehicle Post-Test Right Front Sill Side View, Door Closed

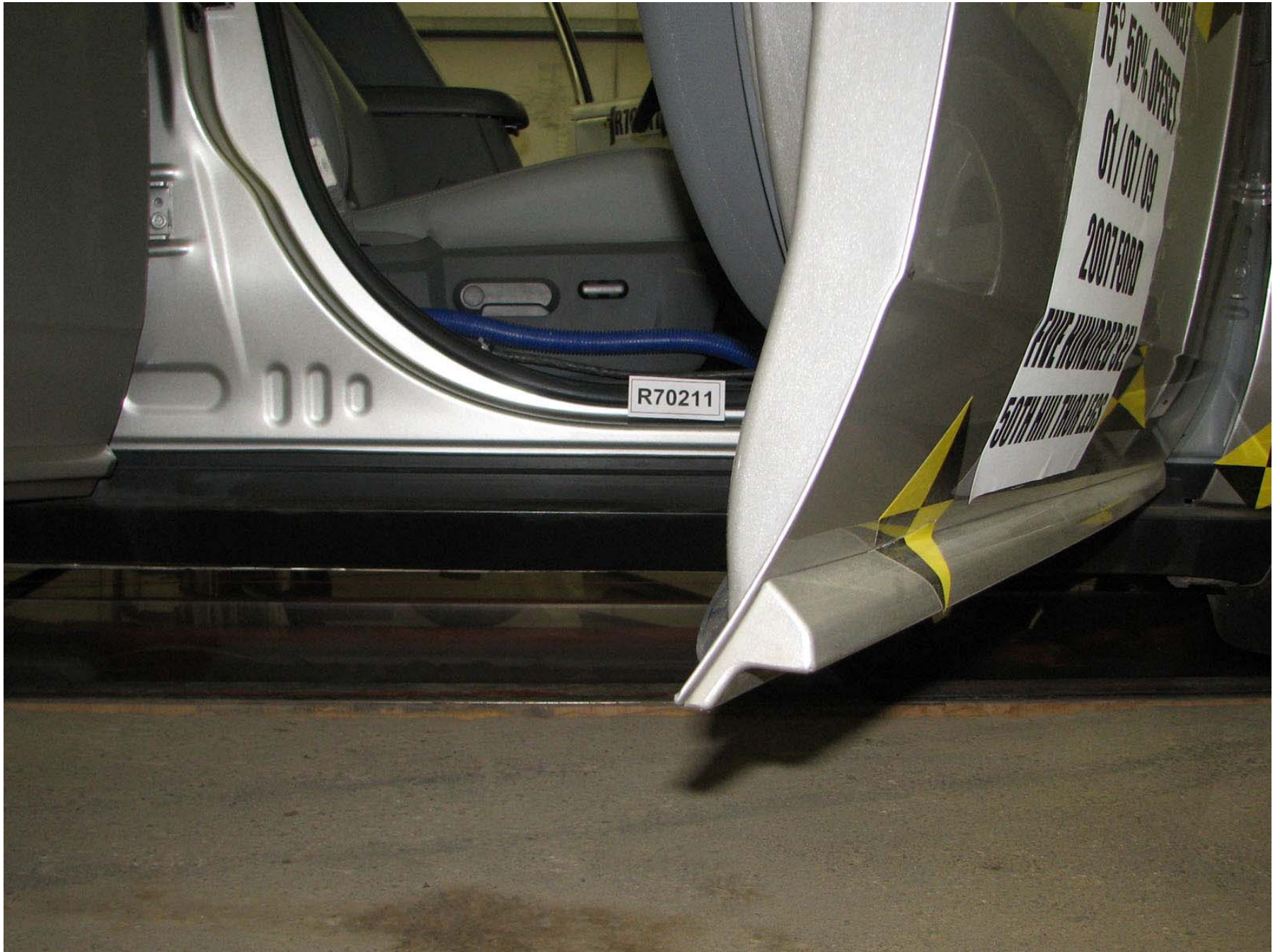


Figure A-123: Target Vehicle Pre-Test Right Front Sill Side View, Door Open



Figure A-124: Target Vehicle Post-Test Right Front Sill Side View, Door Open



Figure A-125: Target Vehicle Pre-Test Right Front Sill Rear $\frac{3}{4}$ View, Door Closed



Figure A-126: Target Vehicle Post-Test Right Front Sill Rear $\frac{3}{4}$ View, Door Closed



Figure A-127: Target Vehicle Pre-Test Right Front Sill Rear 3/4 View, Door Open



Figure A-128: Target Vehicle Post-Test Right Front Sill Rear $\frac{3}{4}$ View, Door Open



Figure A-129: Target Vehicle Pre-Test Right Rear Sill Side View, Door Closed



Figure A-130: Target Vehicle Post-Test Right Rear Sill Side View, Door Closed



Figure A-131: Target Vehicle Pre-Test Right Rear Sill Side View, Door Open



Figure A-132: Target Vehicle Post-Test Right Rear Sill Side View, Door Open



Figure A-133: Target Vehicle Pre-Test Right Rear Sill Rear $\frac{3}{4}$ View, Door Closed



Figure A-134: Target Vehicle Post-Test Right Rear Sill Rear $\frac{3}{4}$ View, Door Closed



Figure A-135: Test Vehicle Pre-Test Right Rear Sill Rear $\frac{3}{4}$ View, Door Open



Figure A-136: Test Vehicle Post-Test Right Rear Sill Rear $\frac{3}{4}$ View, Door Open



Figure A-137: Target Vehicle Pre-Test Left Front Wheel Side View



Figure A-138: Target Vehicle Post-Test Left Front Wheel Side View



Figure A-139: Target Vehicle Pre-Test Left Front Wheel Front $\frac{3}{4}$ View

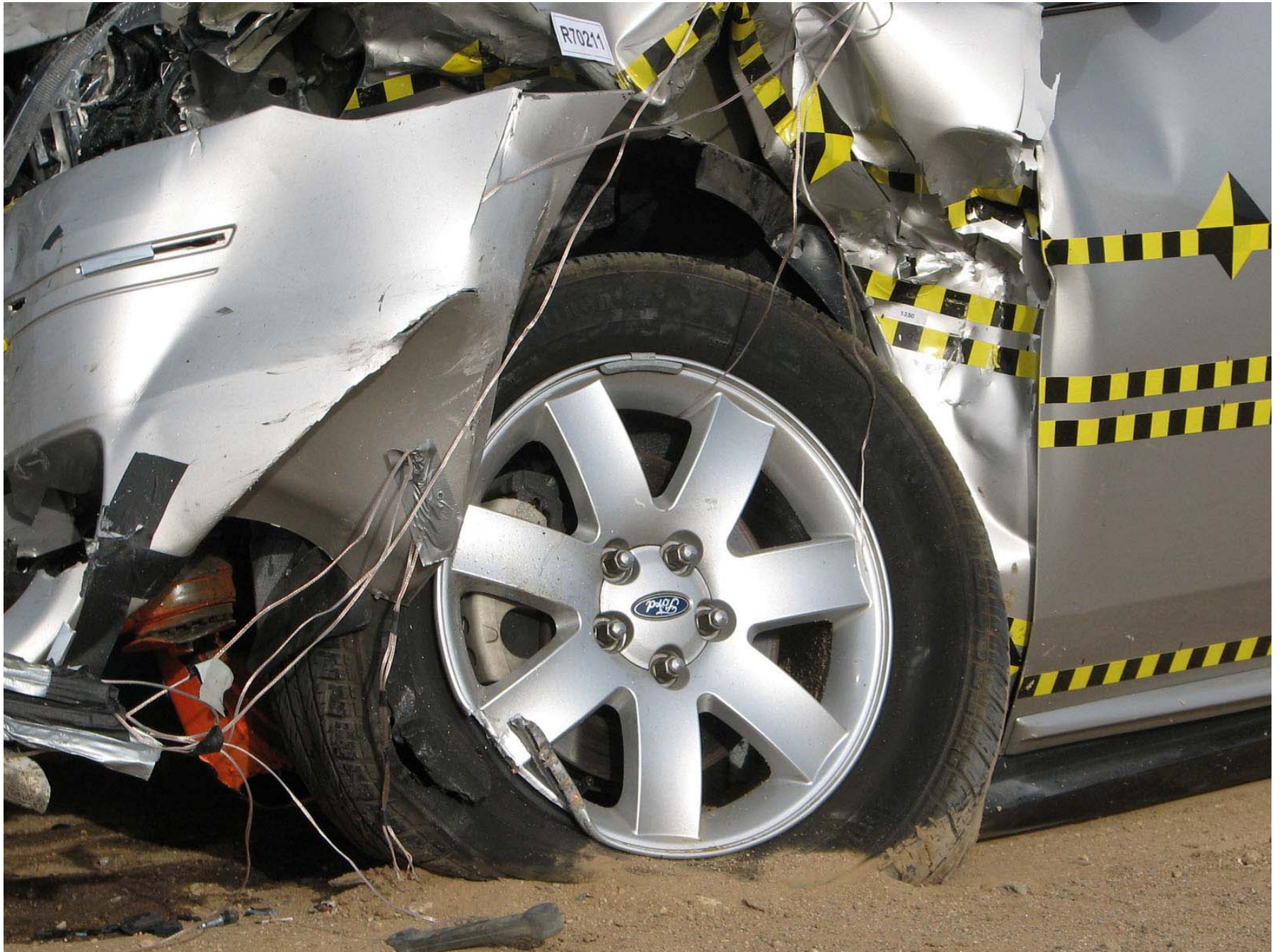


Figure A-140: Target Vehicle Post-Test Left Front Wheel Front $\frac{3}{4}$ View



Figure A-141: Target Vehicle Pre-Test Left Front Wheel Rear $\frac{3}{4}$ View



Figure A-142: Target Vehicle Post-Test Left Front Wheel Rear $\frac{3}{4}$ View



Figure A-143: Test Vehicle Pre-Test Left Front Wheel Top View



Figure A-144: Test Vehicle Post-Test Left Front Wheel Top View



Figure A-145: Target Vehicle Post-Test Left Front Wheel A-Pillar/Rocker Contact



Figure A-146: Target Vehicle Post-Test Left Front Wheel A-Pillar/Rocker Contact



Figure A-147: Target Vehicle Post-Test Left Front Wheel A-Pillar/Rocker Contact



Figure A-148: Target Vehicle Post-Test Left Front Wheel Damage (Outside)



Figure A-149: Target Vehicle Post-Test Left Front Wheel Damage (Inside)



Figure A-150: Target Vehicle Pre-Test Right Front Wheel Side View



Figure A-151: Target Vehicle Post-Test Right Front Wheel Side View



Figure A-152: Target Vehicle Pre-Test Right Front Wheel Front $\frac{3}{4}$ View



Figure A-153: Target Vehicle Post-Test Right Front Wheel Front $\frac{3}{4}$ View



Figure A-154: Target Vehicle Pre-Test Right Front Wheel Rear $\frac{3}{4}$ View



Figure A-155: Target Vehicle Post-Test Right Front Wheel Rear $\frac{3}{4}$ View



Figure A-156: Target Vehicle Pre-Test Right Front Wheel Top View



Figure A-157: Target Vehicle Post-Test Right Front Wheel Top View



Figure A-158: Target Vehicle Post-Test Right Front Wheel A-Pillar/Rocker Contact



Figure A-159: Target Vehicle Post-Test Right Front Wheel A-Pillar/Rocker Contact



Figure A-160: Target Vehicle Post-Test Right Front Wheel A-Pillar/Rocker Contact



Figure A-161: Target Vehicle Post-Test Right Front Wheel Damage (Outside)



Figure A-162: Target Vehicle Post-Test Right Front Wheel Damage (Inside)



Figure A-163: Target Vehicle Pre-Test Left Front Wheel Well (Tire On)



Figure A-164: Target Vehicle Post-Test Left Front Wheel Well (Tire On)

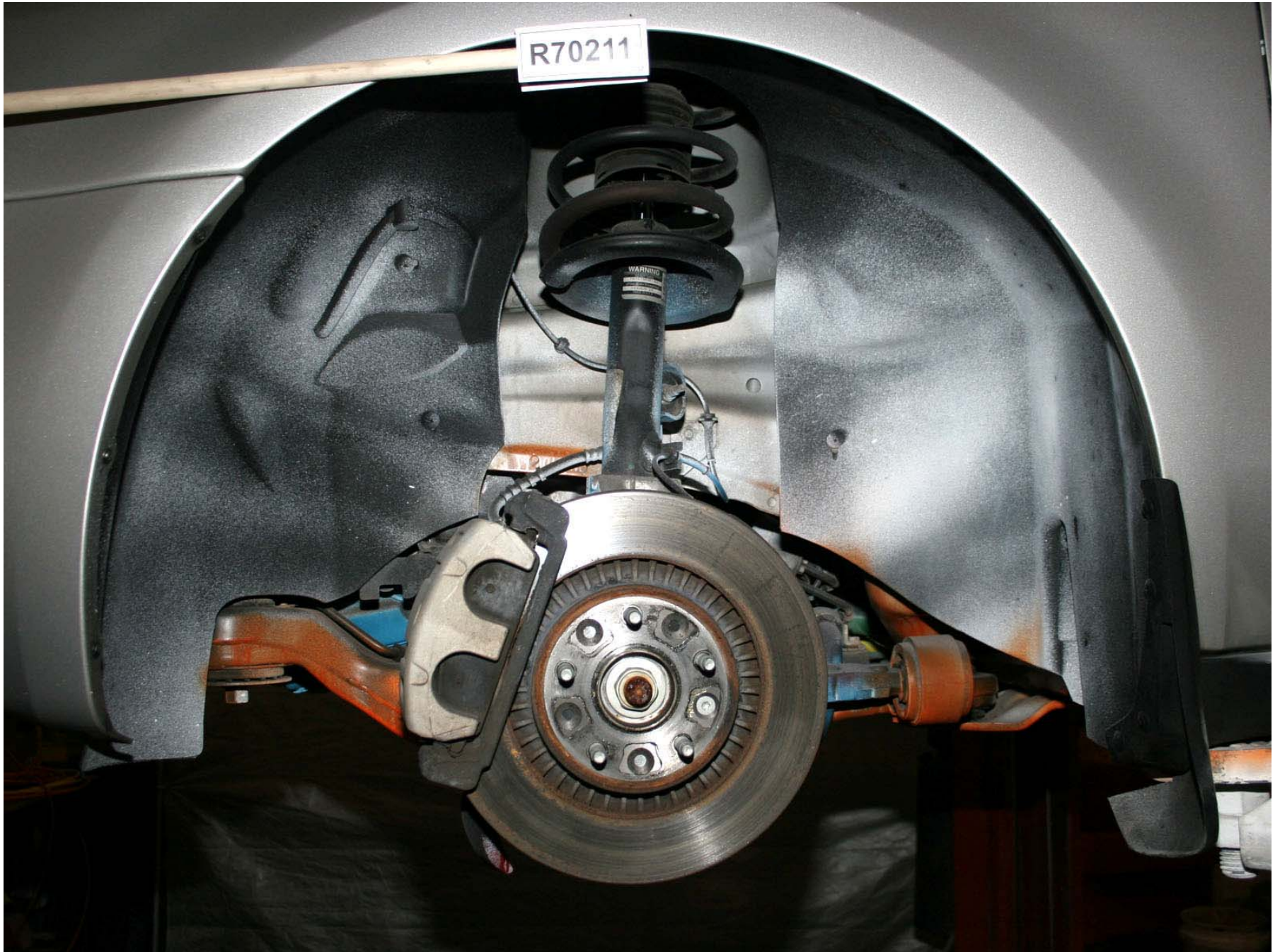


Figure A-165: Target Vehicle Pre-Test Left Front Wheel Well (Tire Off)



Figure A-166: Target Vehicle Post-Test Left Front Wheel Well (Tire Off)

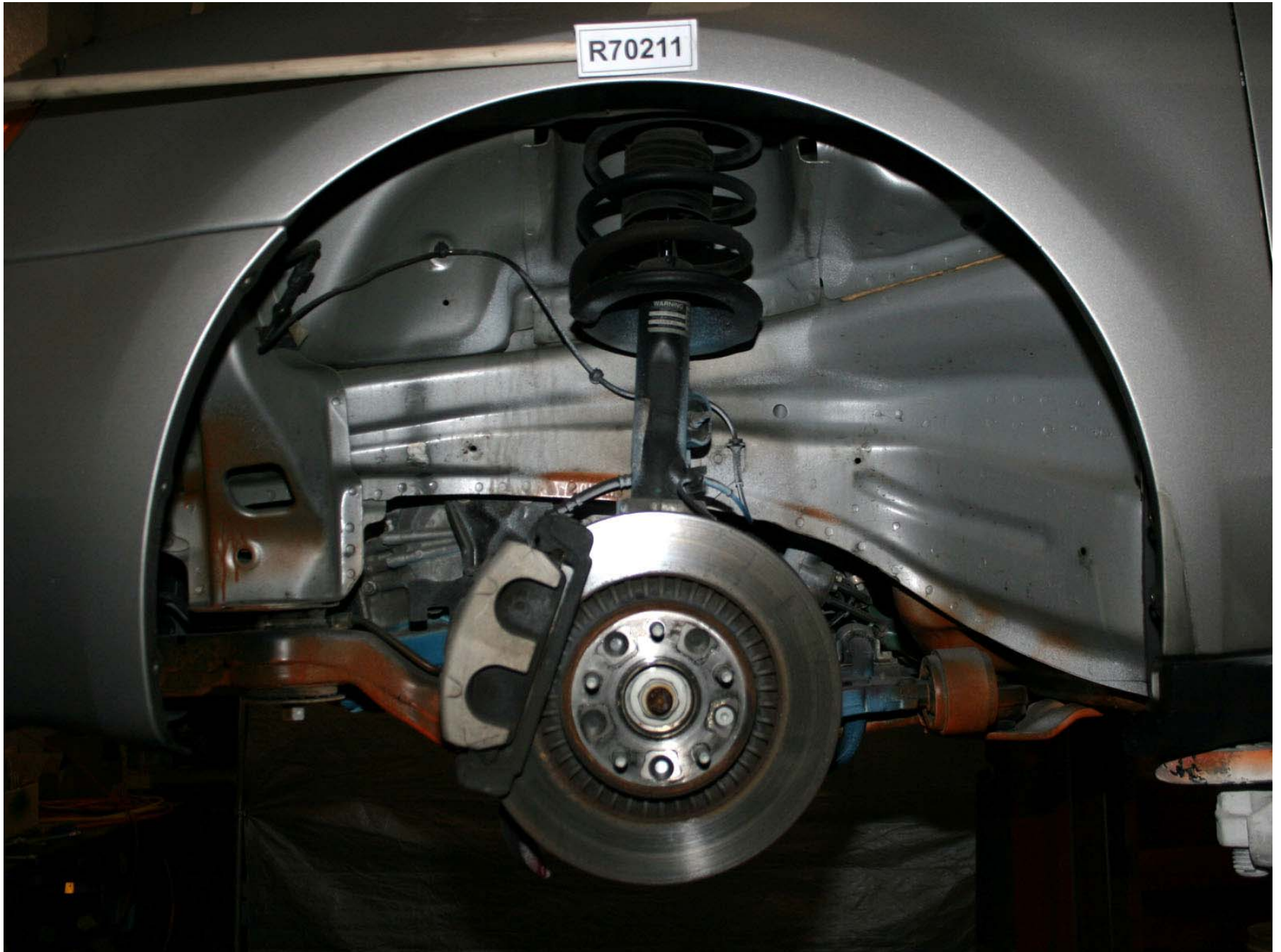


Figure A-167: Target Vehicle Pre-Test Left Front Wheel Well (Tire Off), Inner Fender Removed



Figure A-168: Target Vehicle Post-Test Left Front Wheel Well (Tire Off), Inner Fender Removed

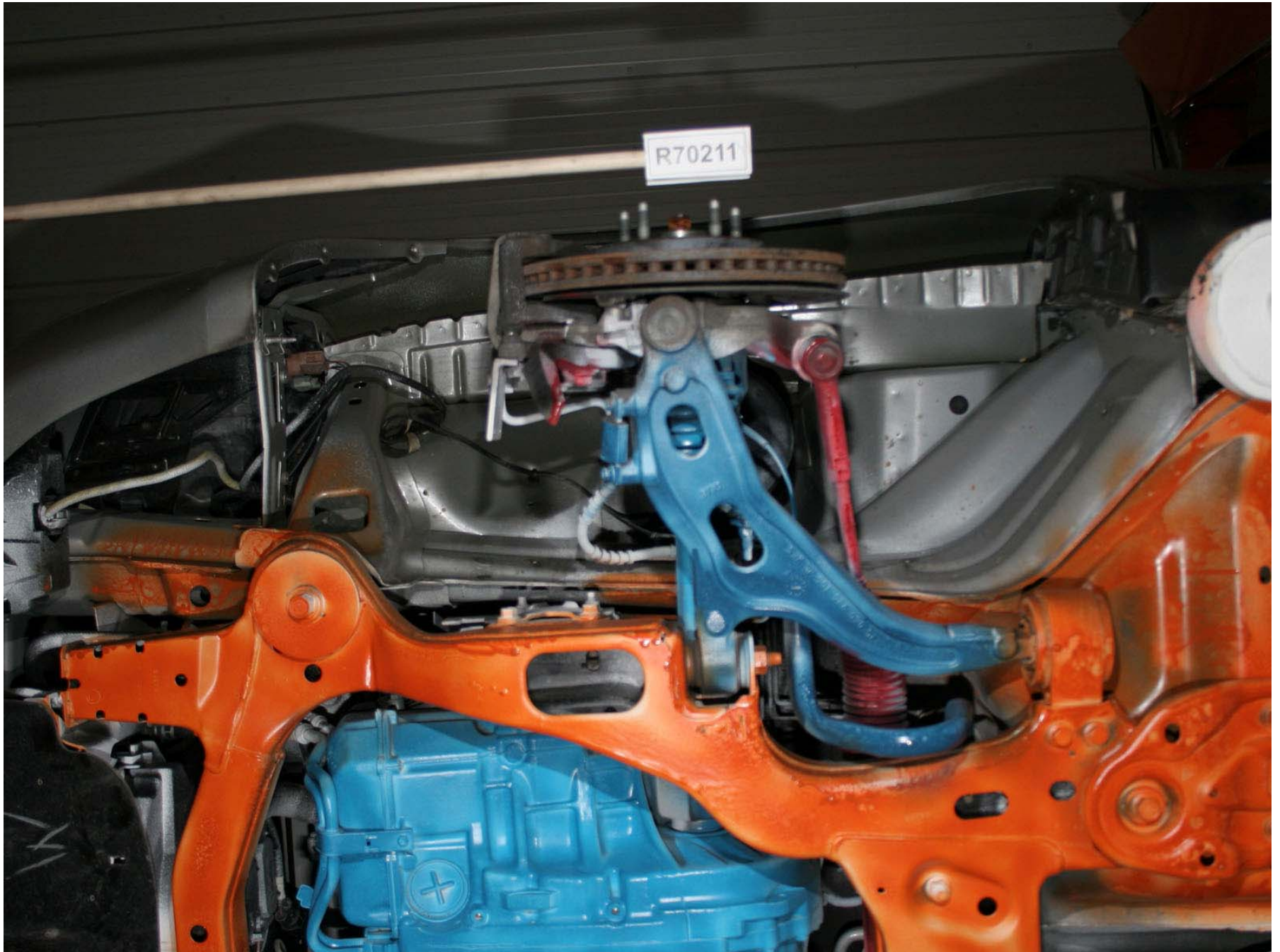


Figure A-169: Test Vehicle Pre-Test Left Inner Fender Well View



Figure A-170: Target Vehicle Post-Test Left Inner Fender Well View



Figure A-171: Target Vehicle Pre-Test Left Inner Fender Well View



Figure A-172: Target Vehicle Post-Test Left Inner Fender Well View



Figure A-173: Target Vehicle Pre-Test Left Inner Fender Well View



Figure A-174: Target Vehicle Post-Test Left Inner Fender Well View



Figure A-175: Target Vehicle Pre-Test Top Fender View



Figure A-176: Target Vehicle Post-Test Top Fender View



Figure A-177: Target Vehicle Pre-Test Left Front Frame Rail View



Figure A-178: Target Vehicle Post-Test Left Front Frame Rail View

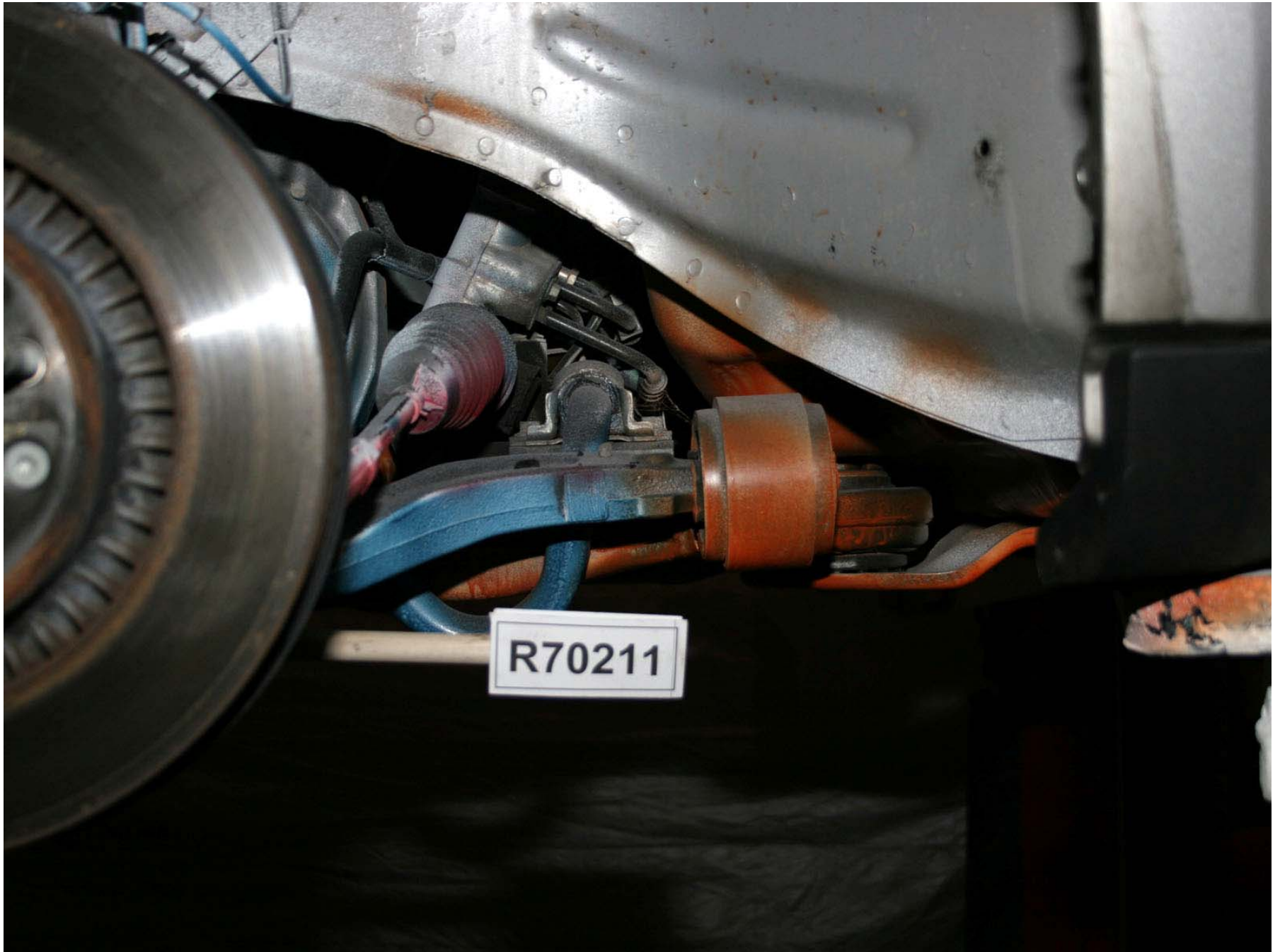


Figure A-179: Target Vehicle Pre-Test Left Front Frame Rail View



Figure A-180: Target Vehicle Post-Test Left Front Frame Rail View



Figure A-181: Target Vehicle Pre-Test Left Front Frame Rail View



Figure A-182: Target Vehicle Post-Test Left Front Frame Rail View

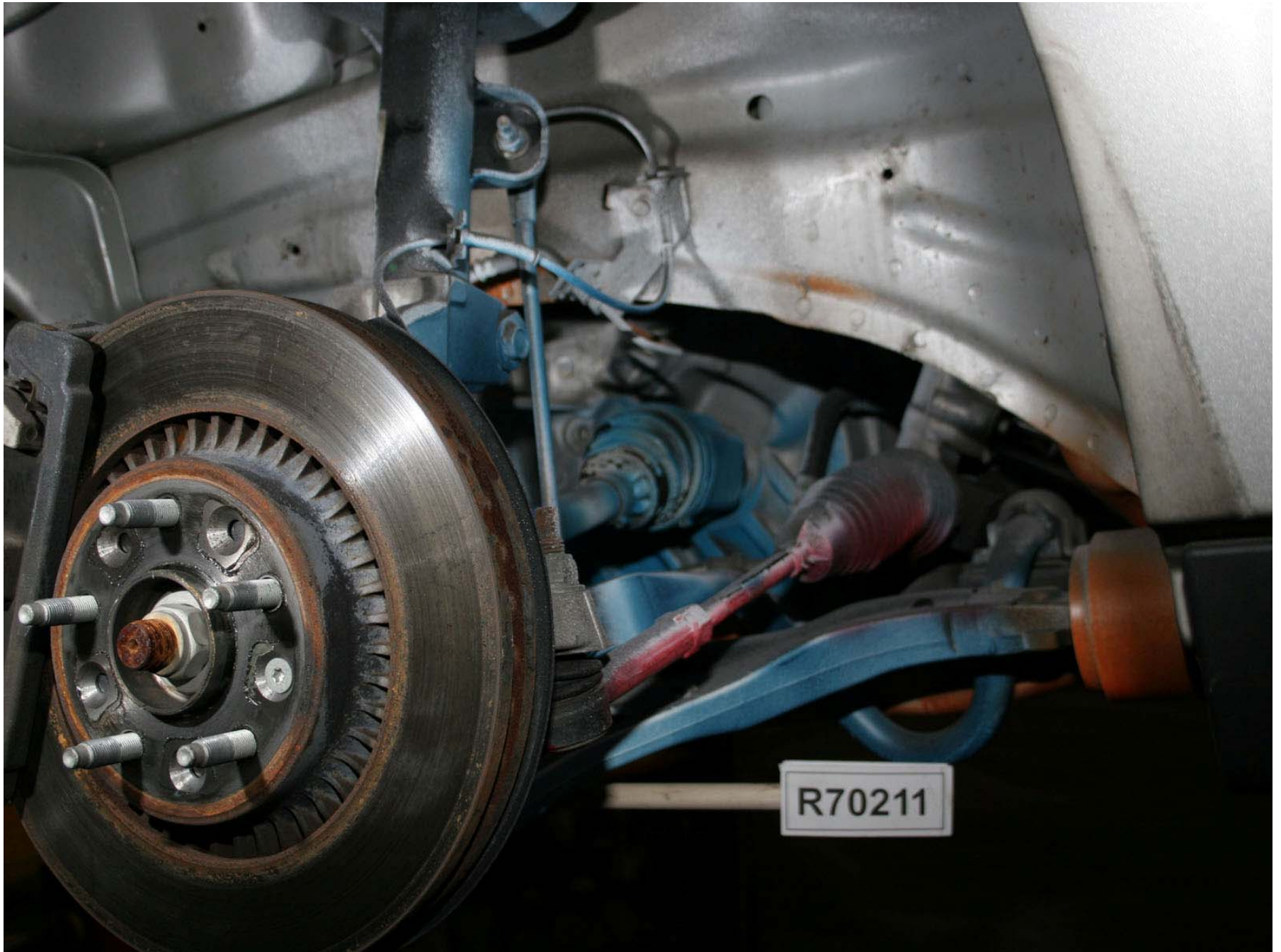


Figure A-183: Target Vehicle Pre-Test Left Side Tie Rod and Sway Bar Attachments Points



Figure A-184: Target Vehicle Post-Test Left Side Tie Rod and Sway Bar Attachments Points



Figure A-185: Target Vehicle Pre-Test Left Side Upper Sway Bar Attachment Point



Figure A-186: Target Vehicle Post-Test Left Side Upper Sway Bar Attachment Point



Figure A-187: Target Vehicle Pre-Test Left Side Frame to A-Pillar Joint



Figure A-188: Target Vehicle Post-Test Left Side Frame to A-Pillar Joint



Figure A-189: Target Vehicle Pre-Test Left Side Crush Initiators



Figure A-190: Target Vehicle Post-Test Left Side Crush Initiators



Figure A-191: Target Vehicle Pre-Test Left Side Crush Initiators



Figure A-192: Target Vehicle Post-Test Left Side Crush Initiators

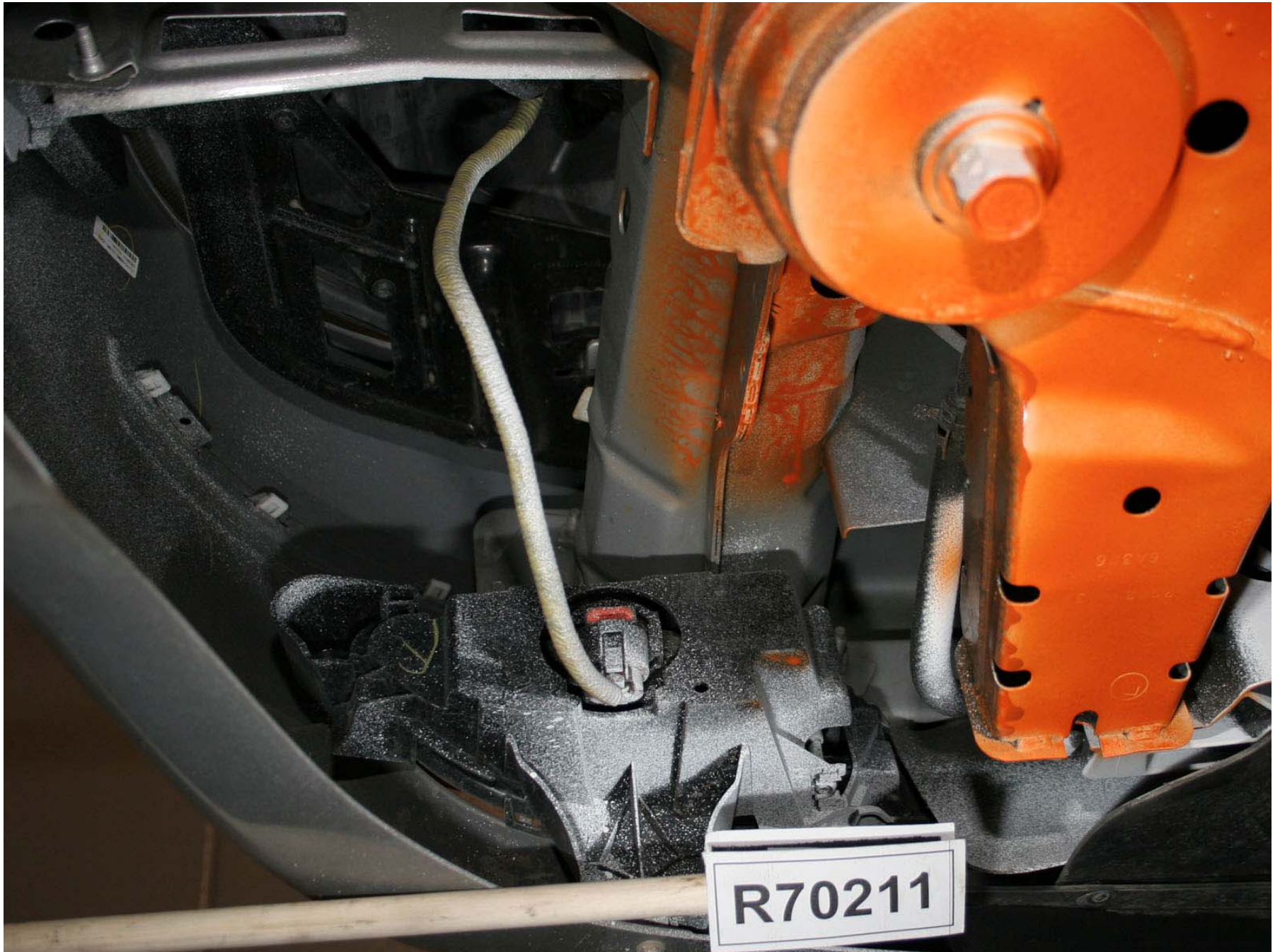


Figure A-193: Target Vehicle Pre-Test Left Side Bumper Attachment Point



Figure A-194: Target Vehicle Post-Test Left Side Bumper Attachment Point

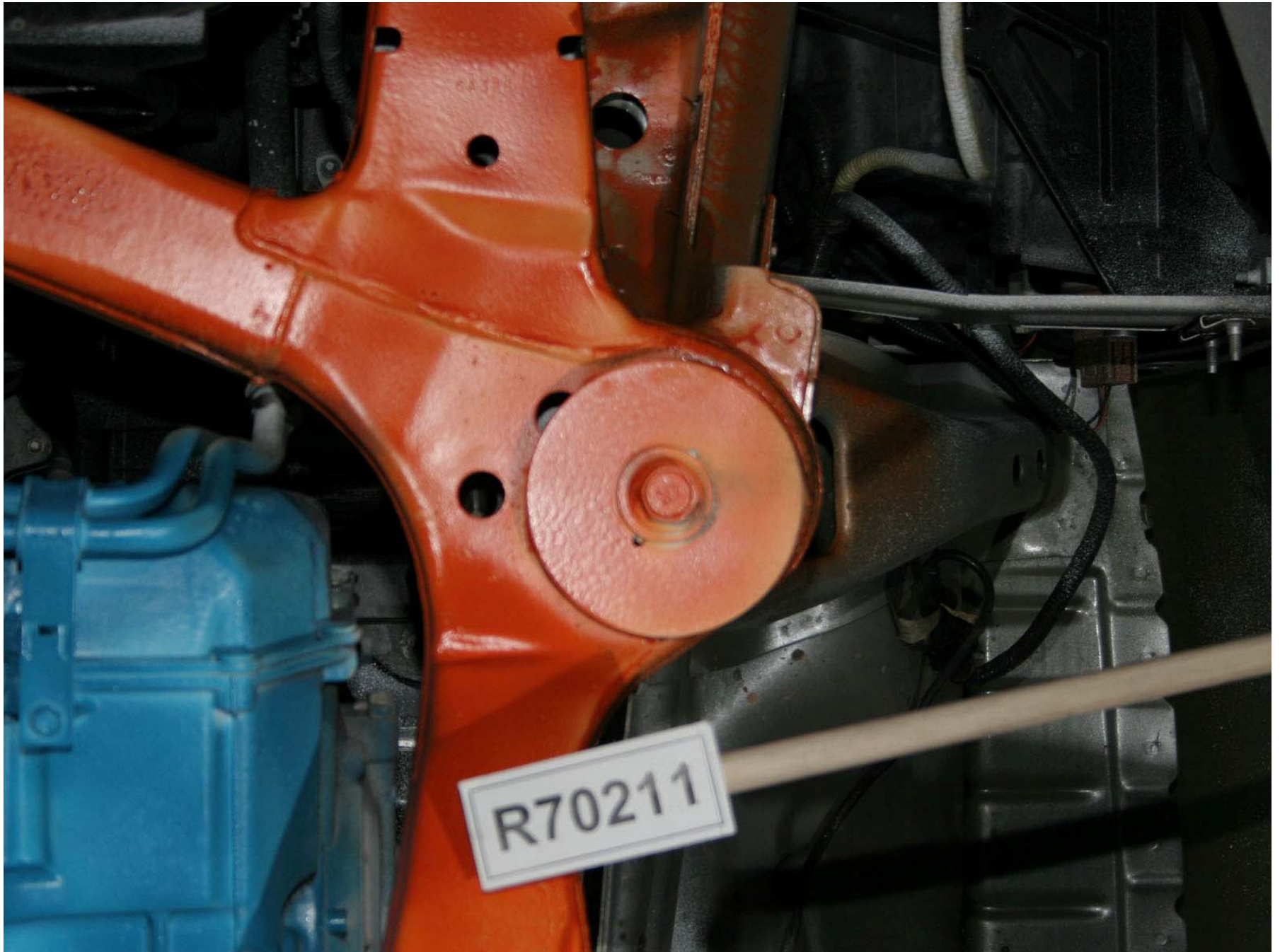


Figure A-195: Target Vehicle Pre-Test Left Front Sub-Frame Mounting Point



Figure A-196: Target Vehicle Post-Test Left Front Sub-Frame Mounting Point

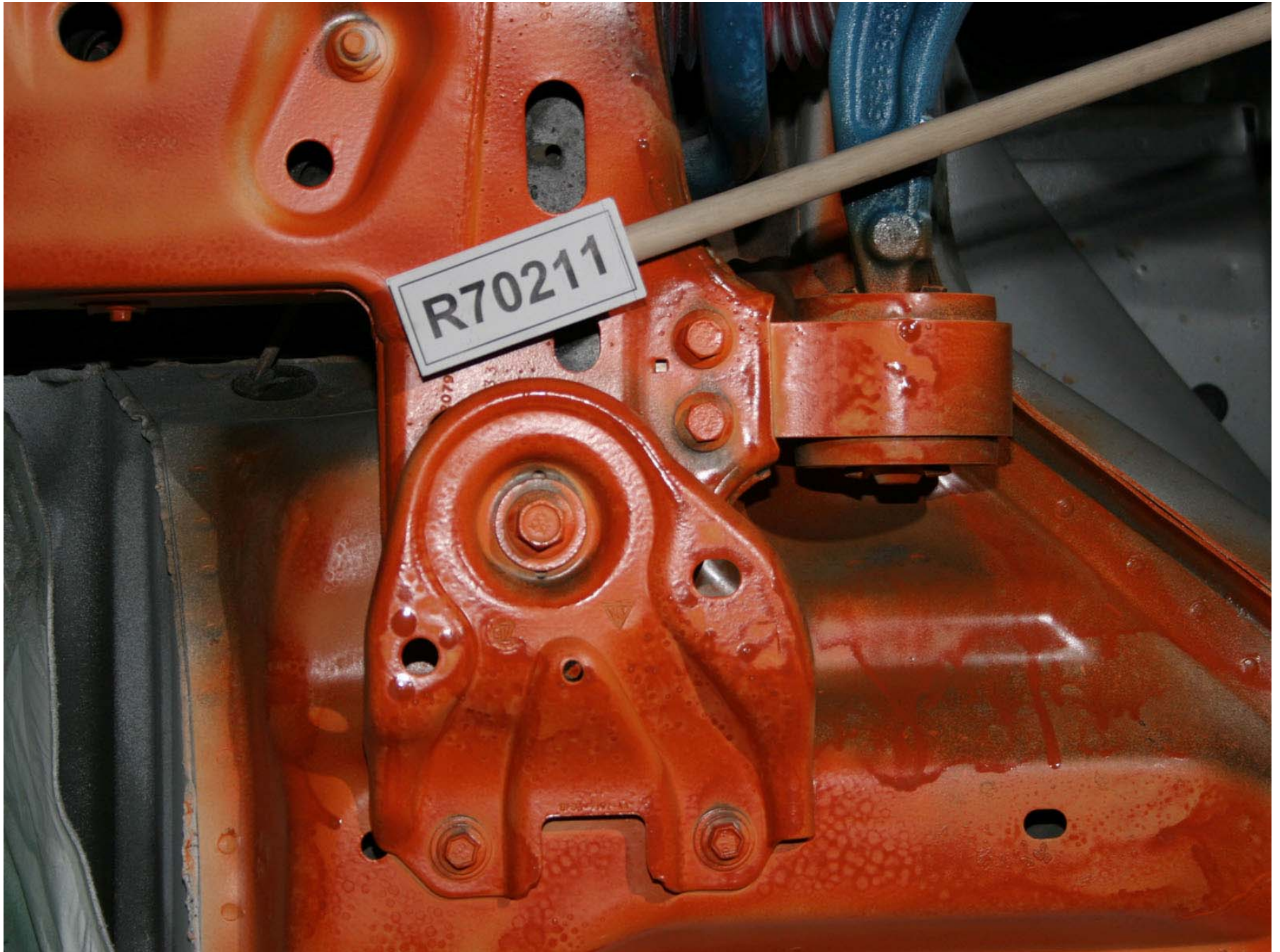


Figure A-197: Target Vehicle Pre-Test Left Rear Sub-Frame Mounting Point



Figure A-198: Target Vehicle Post-Test Left Rear Sub-Frame Mounting Point



Figure A-199: Target Vehicle Pre-Test Right Front Wheel Well (Tire On)



Figure A-200: Target Vehicle Post-Test Right Front Wheel Well (Tire On)

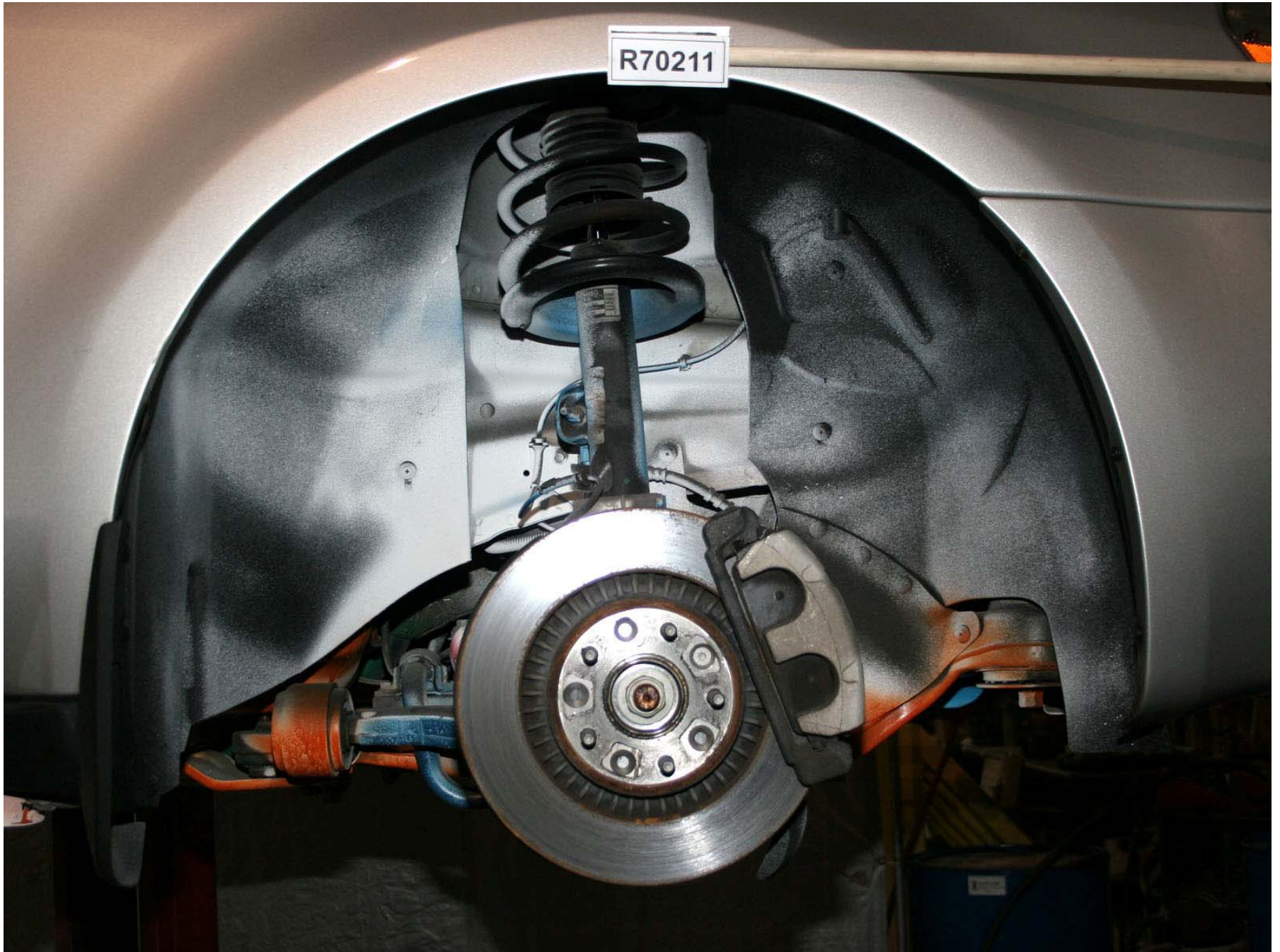


Figure A-201: Target Vehicle Pre-Test Right Front Wheel Well (Tire Off)



Figure A-202: Target Vehicle Post-Test Right Front Wheel Well (Tire Off)



Figure A-203: Target Vehicle Pre-Test Right Front Wheel Well (Tire Off), Inner Fender Removed



Figure A-204: Target Vehicle Post-Test Right Front Wheel Well (Tire Off), Inner Fender Removed

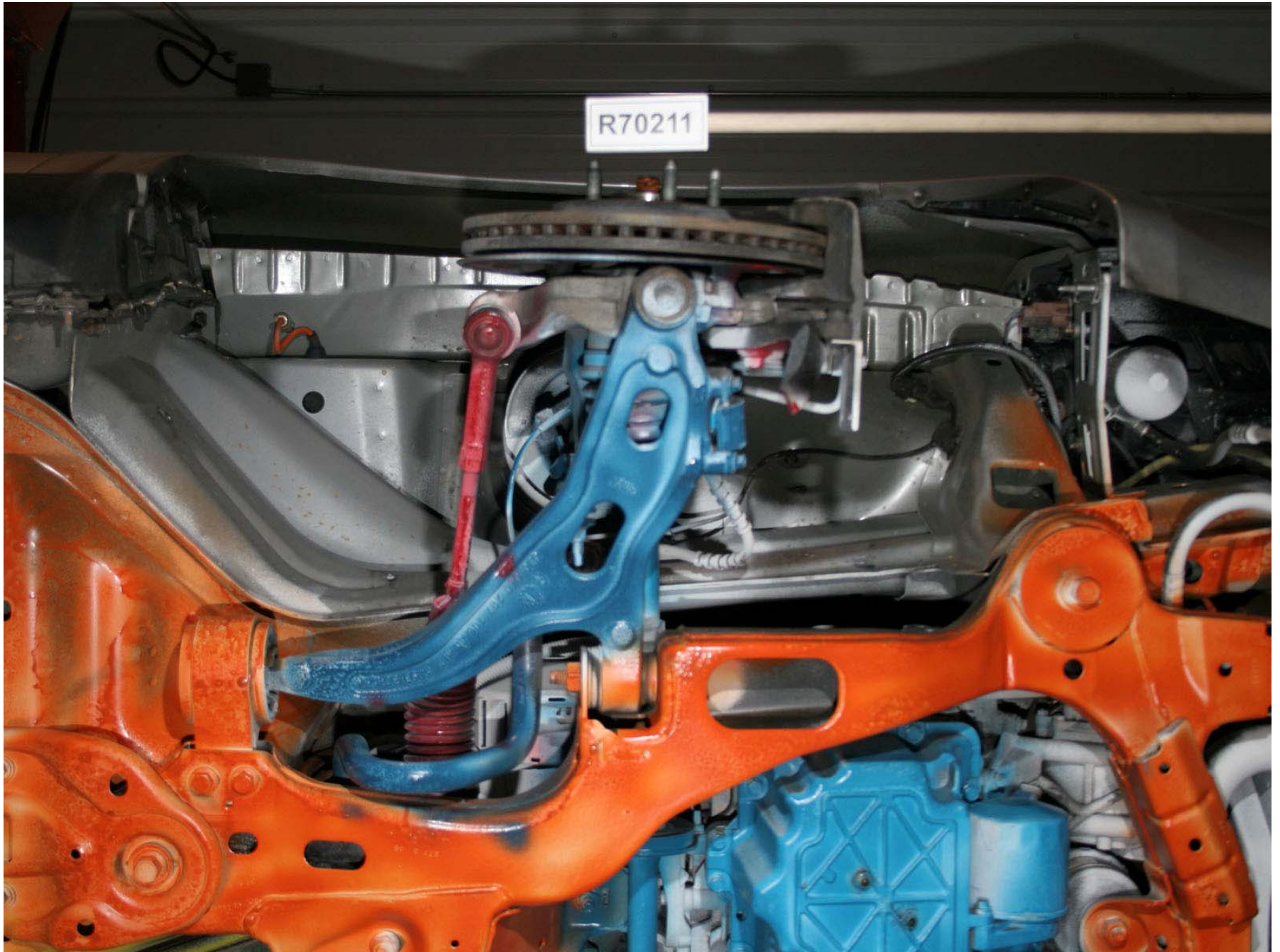


Figure A-205: Target Vehicle Pre-Test Right Inner Fender Well View



Figure A-206: Test Vehicle Post-Test Right Inner Fender Well View



Figure A-207: Test Vehicle Pre-Test Right Inner Fender Well View



Figure A-208: Target Vehicle Post-Test Right Inner Fender Well View



Figure A-209: Target Vehicle Pre-Test Right Inner Fender Well View



Figure A-210: Target Vehicle Post-Test Right Inner Fender Well View



Figure A-211: Target Vehicle Pre-Test Top Fender View

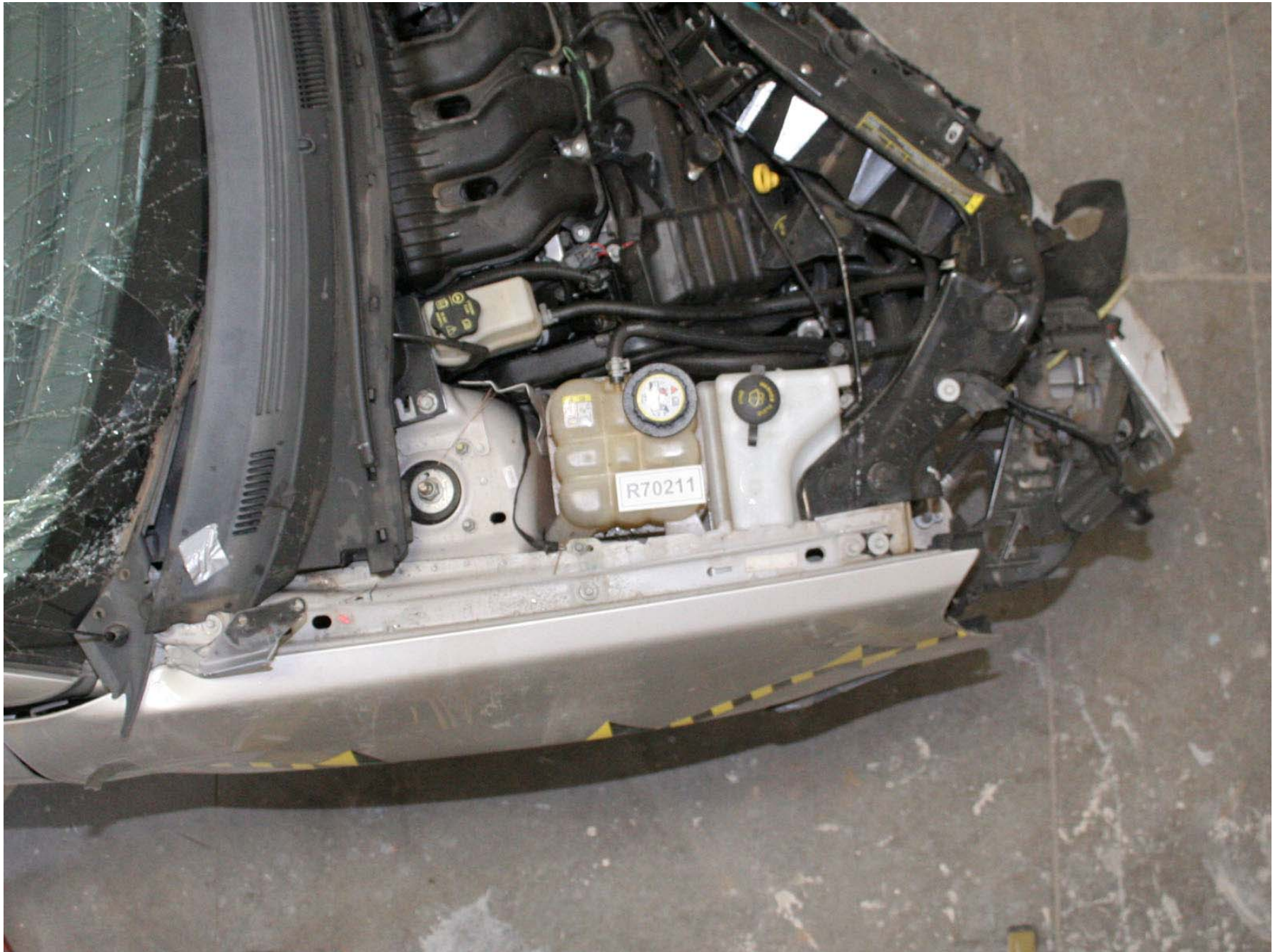


Figure A-212: Target Vehicle Post-Test Top Fender View



Figure A-213: Target Vehicle Pre-Test Right Front Frame Rail View



Figure A-214: Target Vehicle Post-Test Right Front Frame Rail View

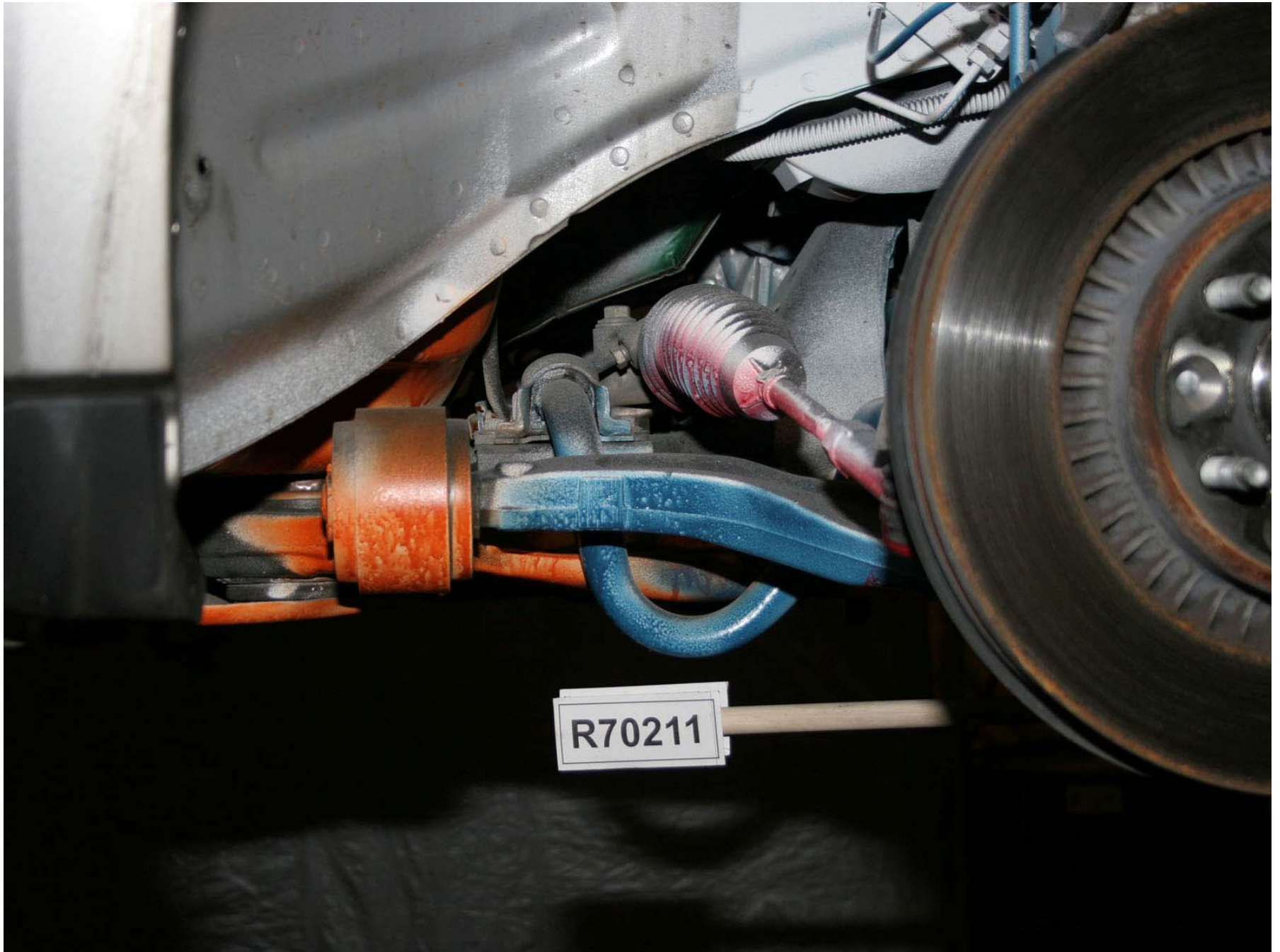


Figure A-215: Target Vehicle Pre-Test Right Front Frame Rail View



Figure A-216: Test Vehicle Post-Test Right Front Frame Rail View



Figure A-217: Target Vehicle Pre-Test Right Front Frame Rail View

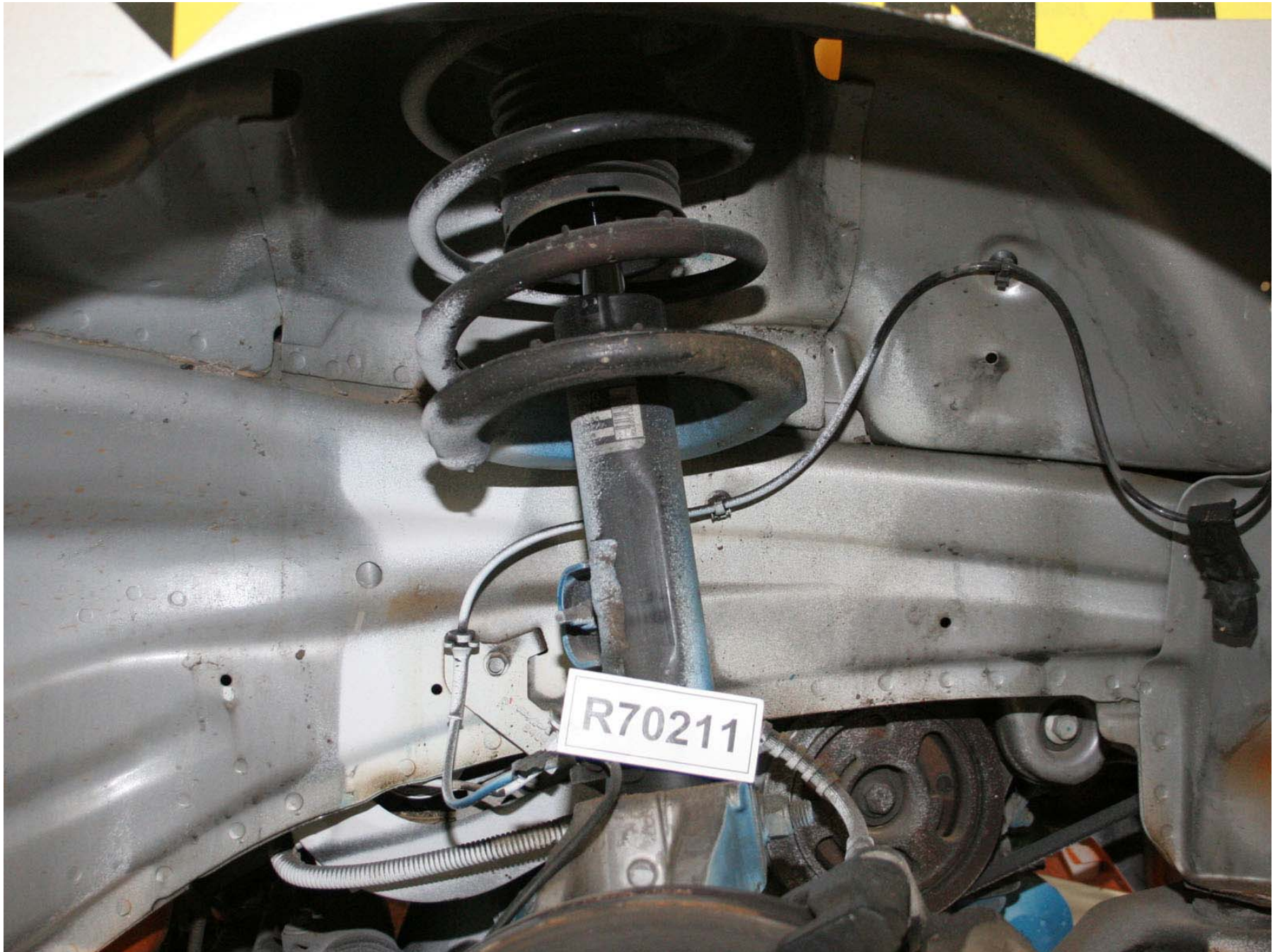


Figure A-218: Target Vehicle Post-Test Right Front Frame Rail View



Figure A-219: Target Vehicle Pre-Test Right Side Tie Rod and Sway Bar Attachments Points



Figure A-220: Target Vehicle Post-Test Right Side Tie Rod and Sway Bar Attachments Points



Figure A-221: Target Vehicle Pre-Test Right Side Upper Sway Bar Attachment Point

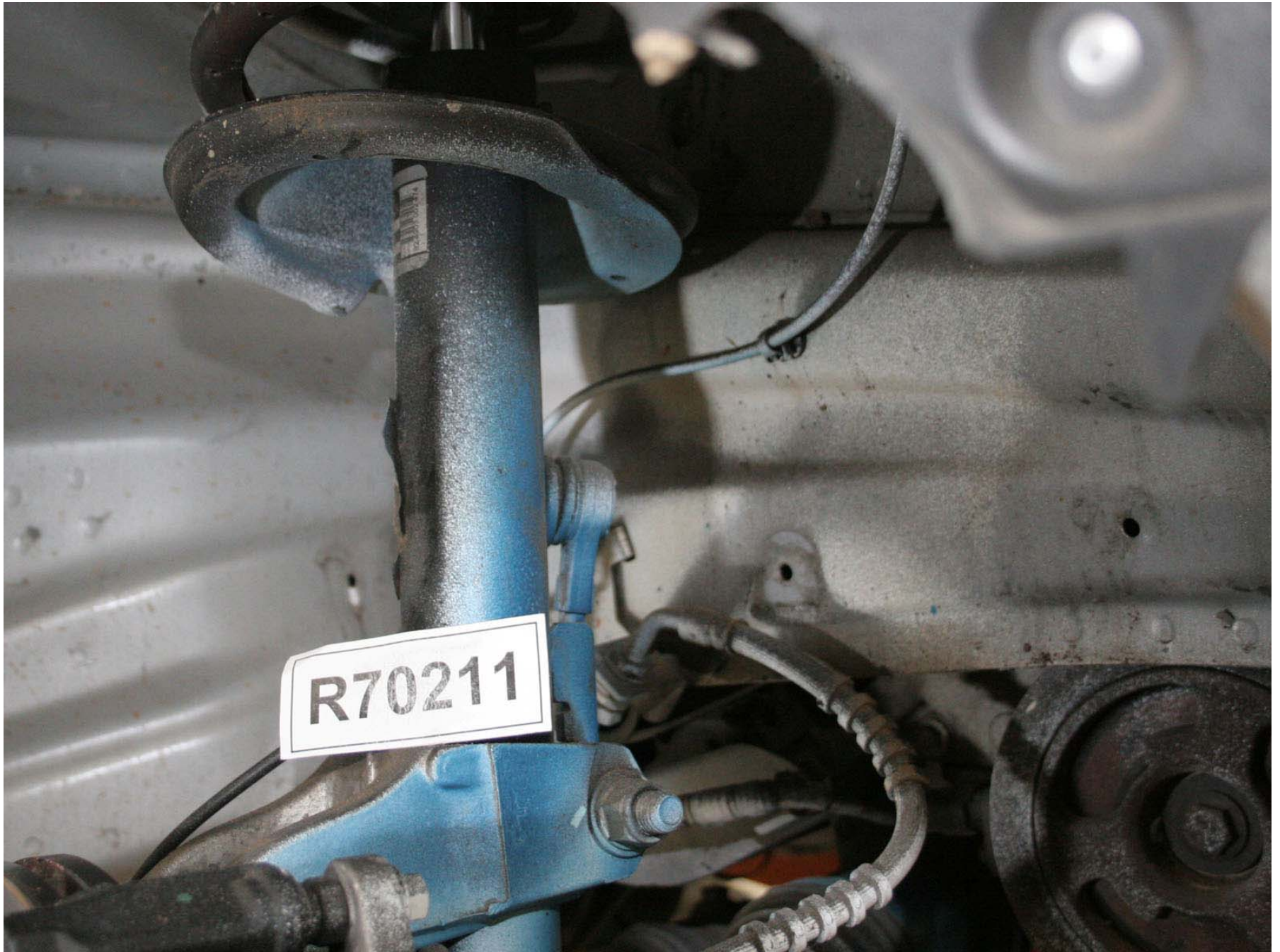


Figure A-222: Target Vehicle Post-Test Right Side Upper Sway Bar Attachment Point



Figure A-223: Target Vehicle Pre-Test Left Side Frame to A-Pillar Joint



Figure A-224: Target Vehicle Post-Test Left Side Frame to A-Pillar Joint



Figure A-225: Target Vehicle Pre-Test Right Side Crush Initiators



Figure A-226: Target Vehicle Post-Test Right Side Crush Initiators

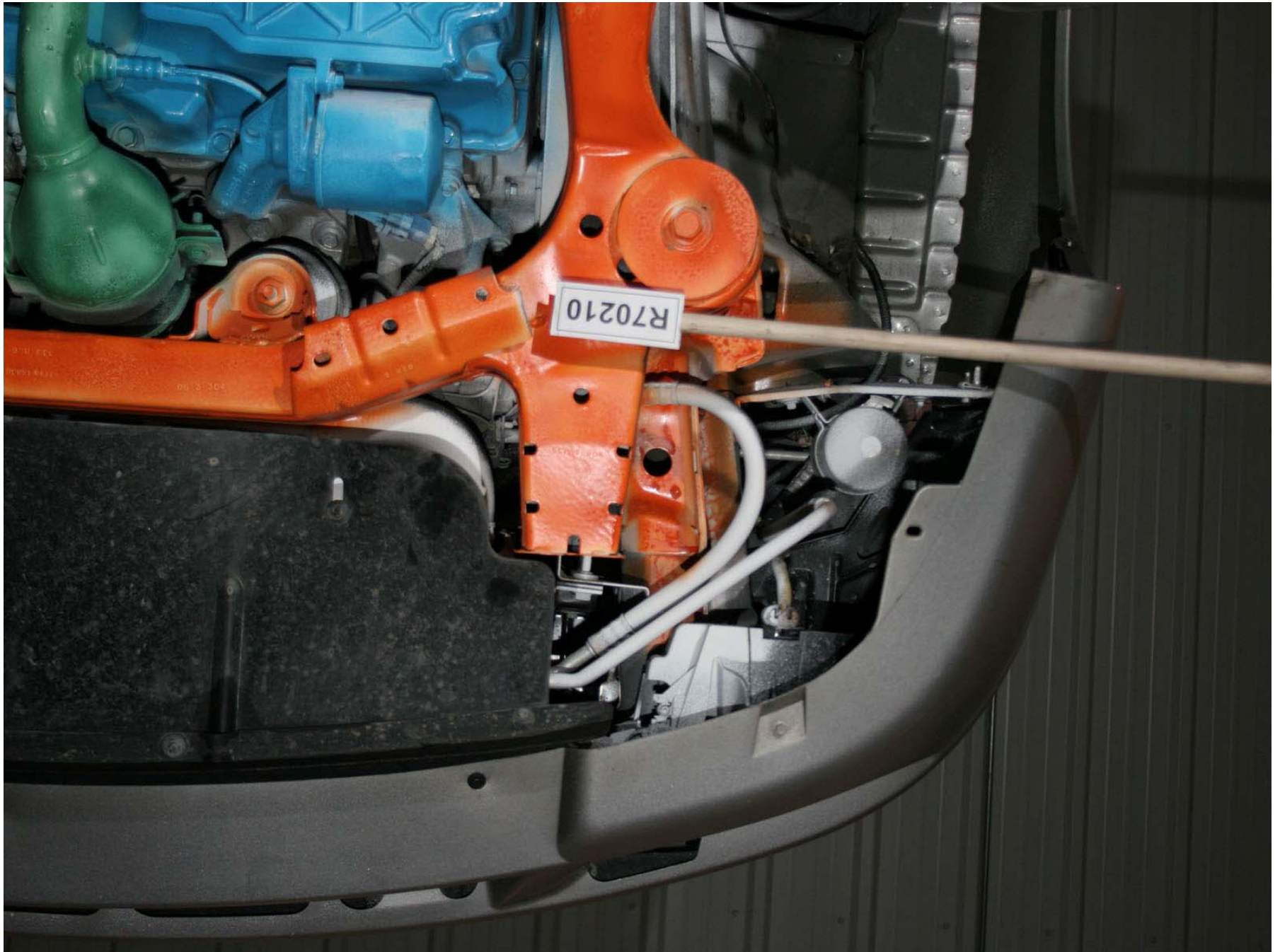


Figure A-227: Target Vehicle Pre-Test Right Side Crush Initiators

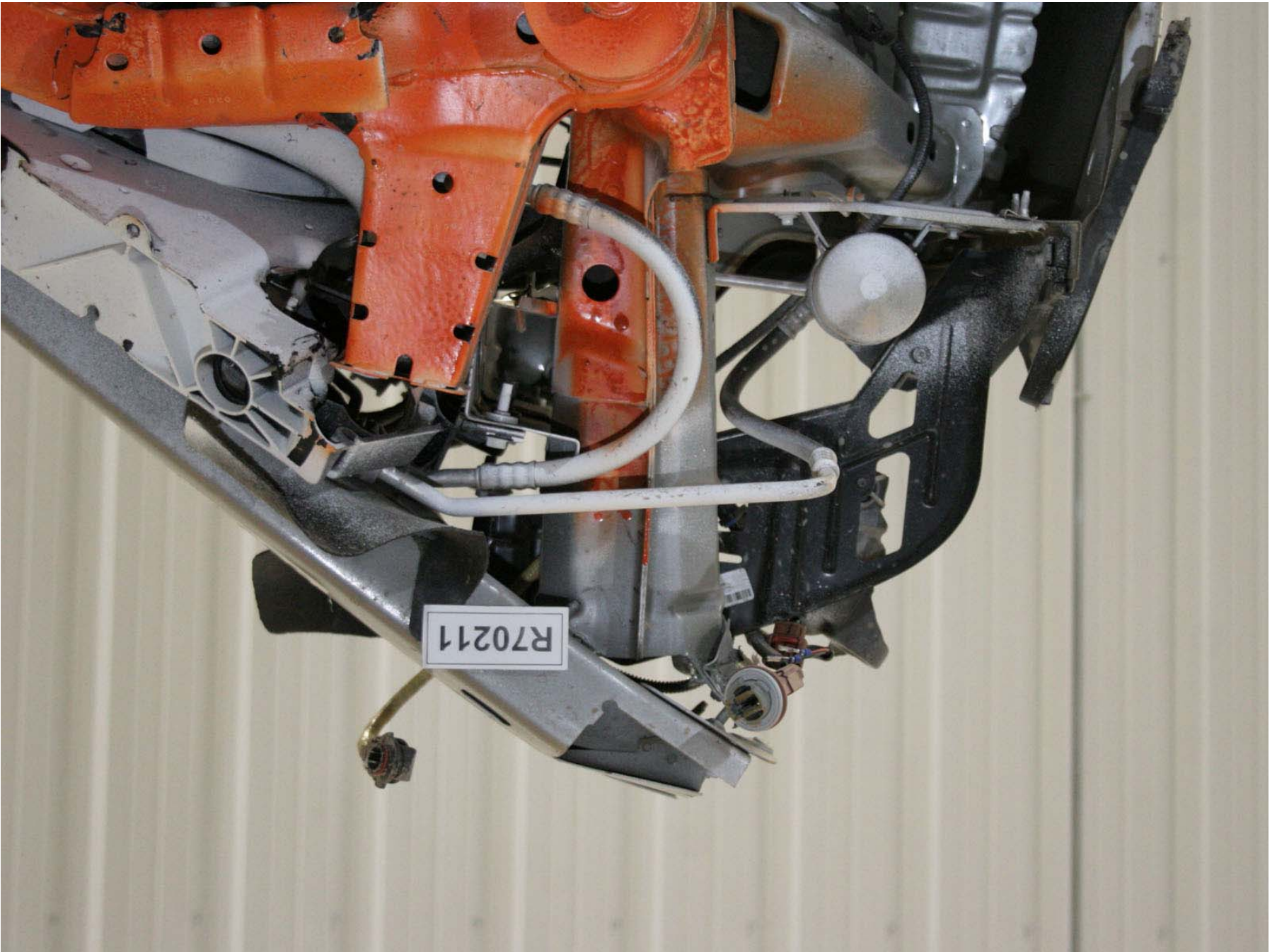


Figure A-228: Target Vehicle Post-Test Right Side Crush Initiators

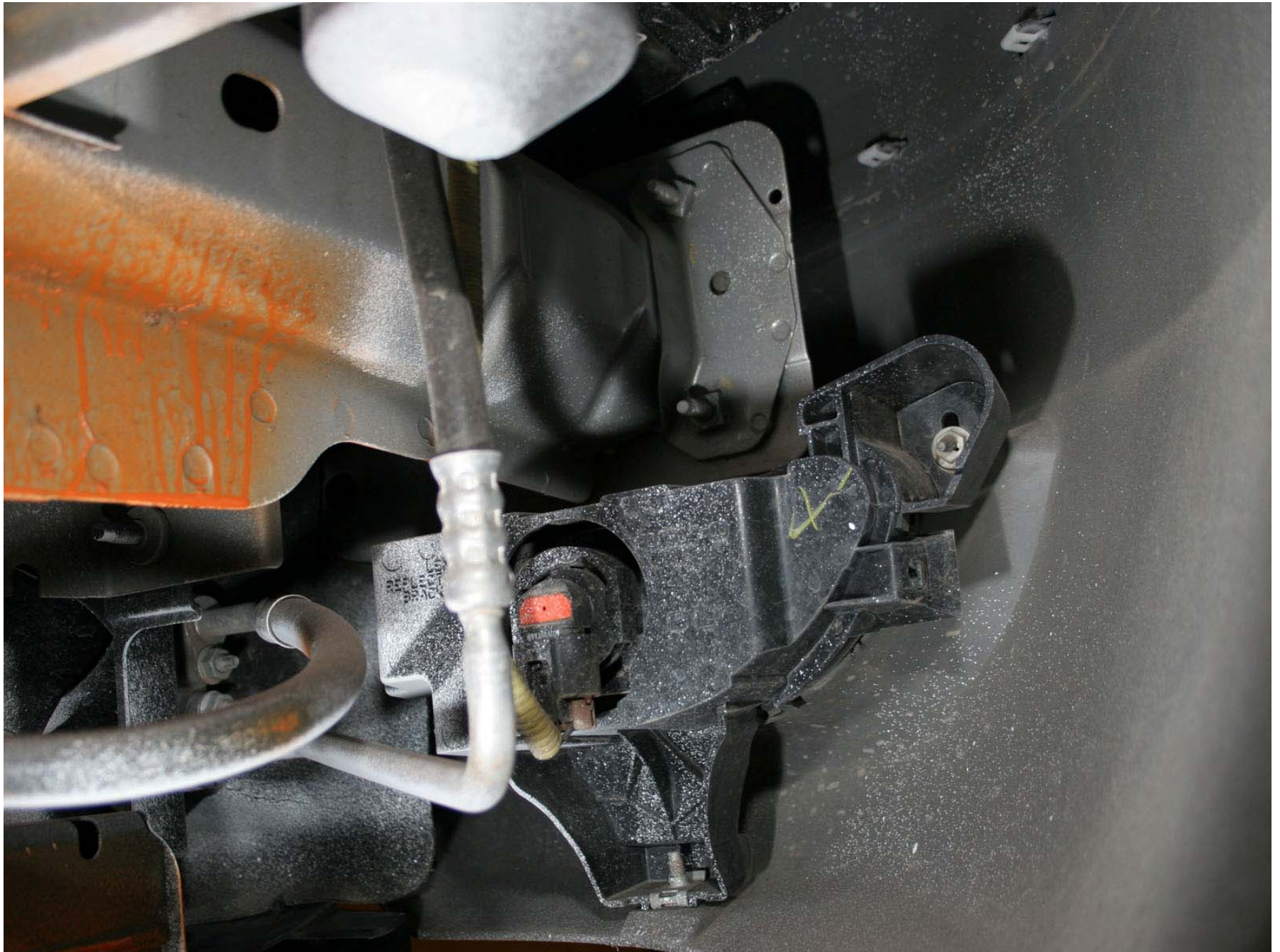


Figure A-229: Target Vehicle Pre-Test Right Side Bumper Attachment Point

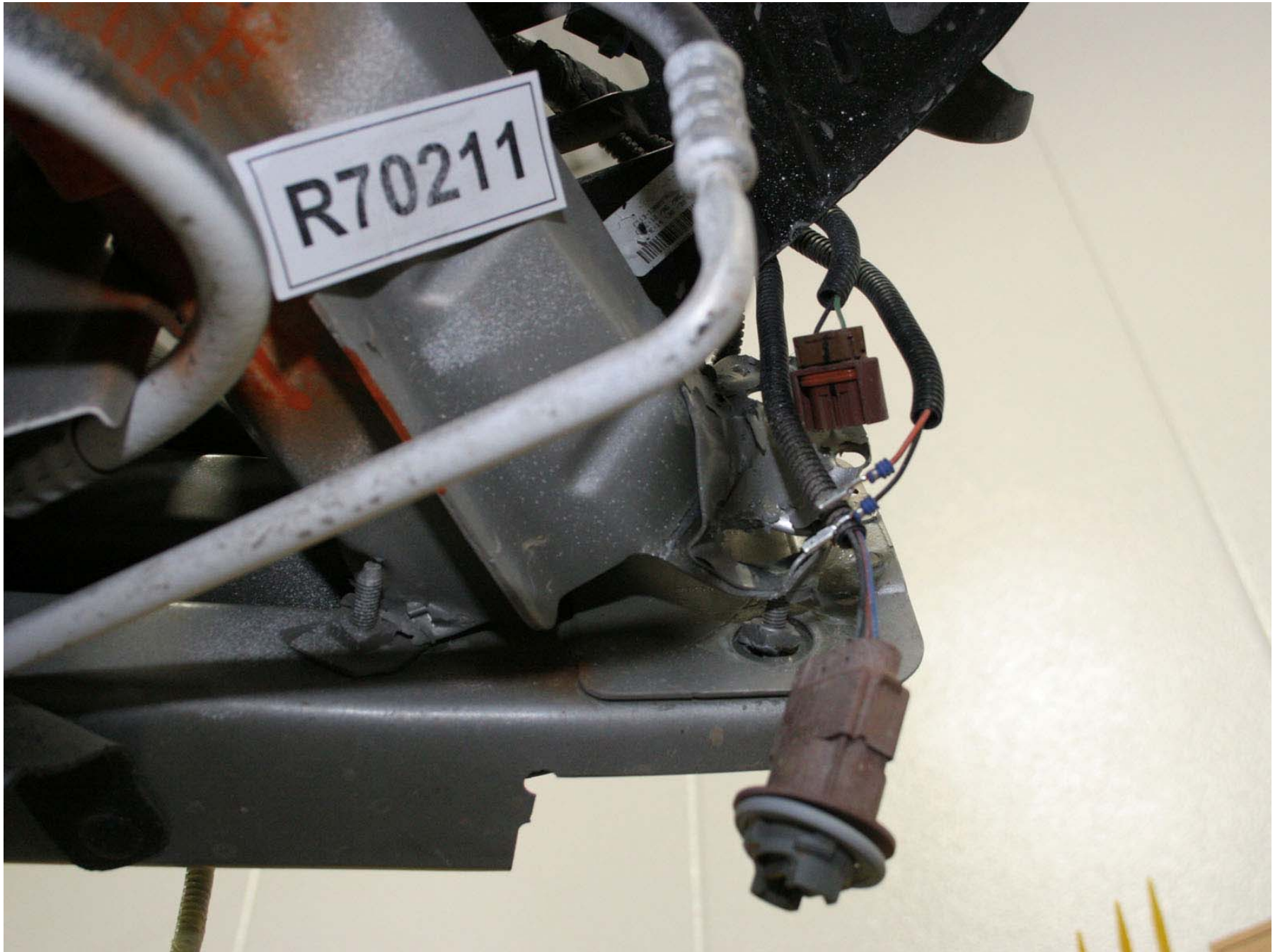


Figure A-230: Test Vehicle Post-Test Right Side Bumper Attachment Point

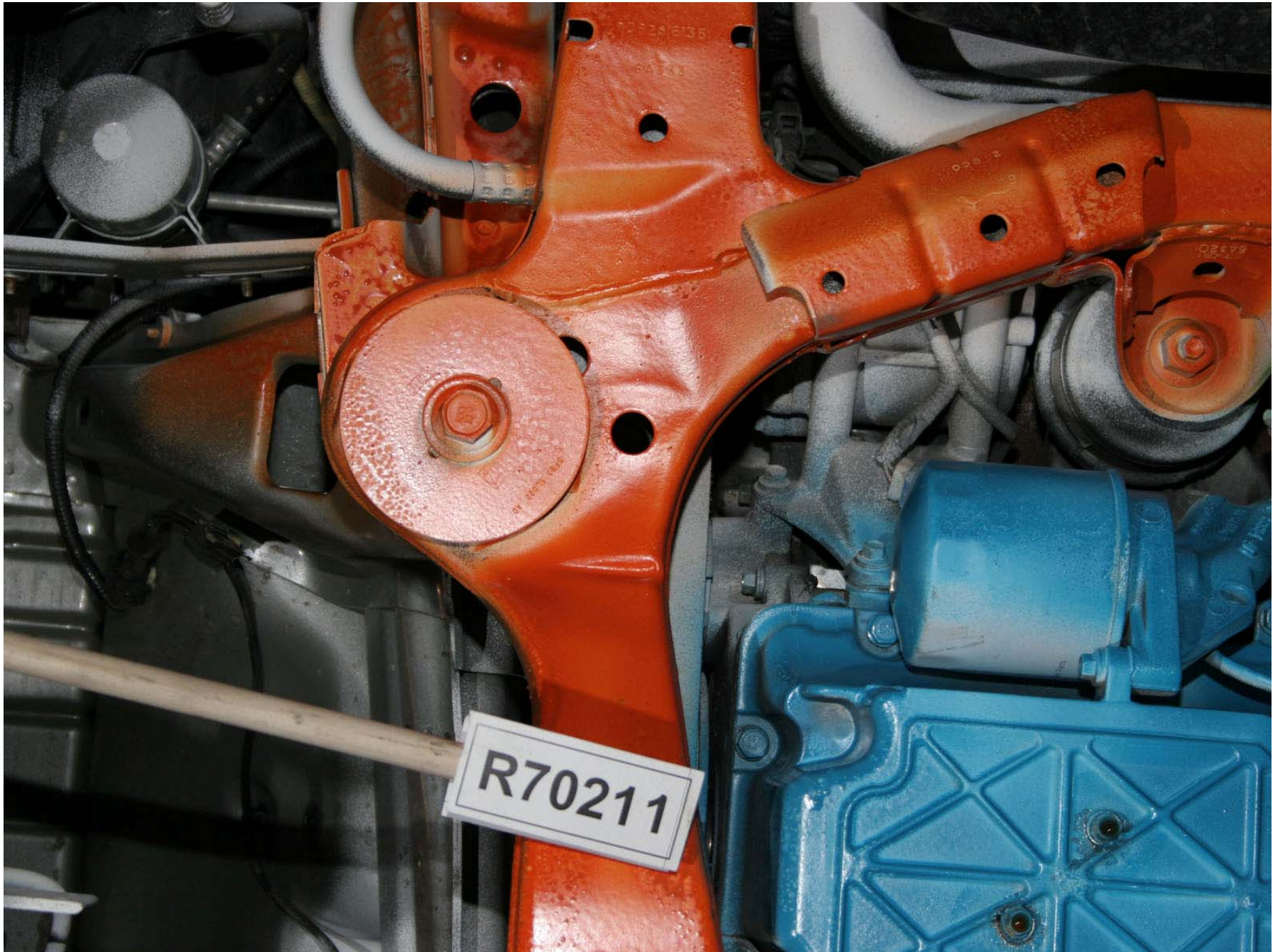


Figure A-231: Target Vehicle Pre-Test Right Front Sub-Frame Mounting Point

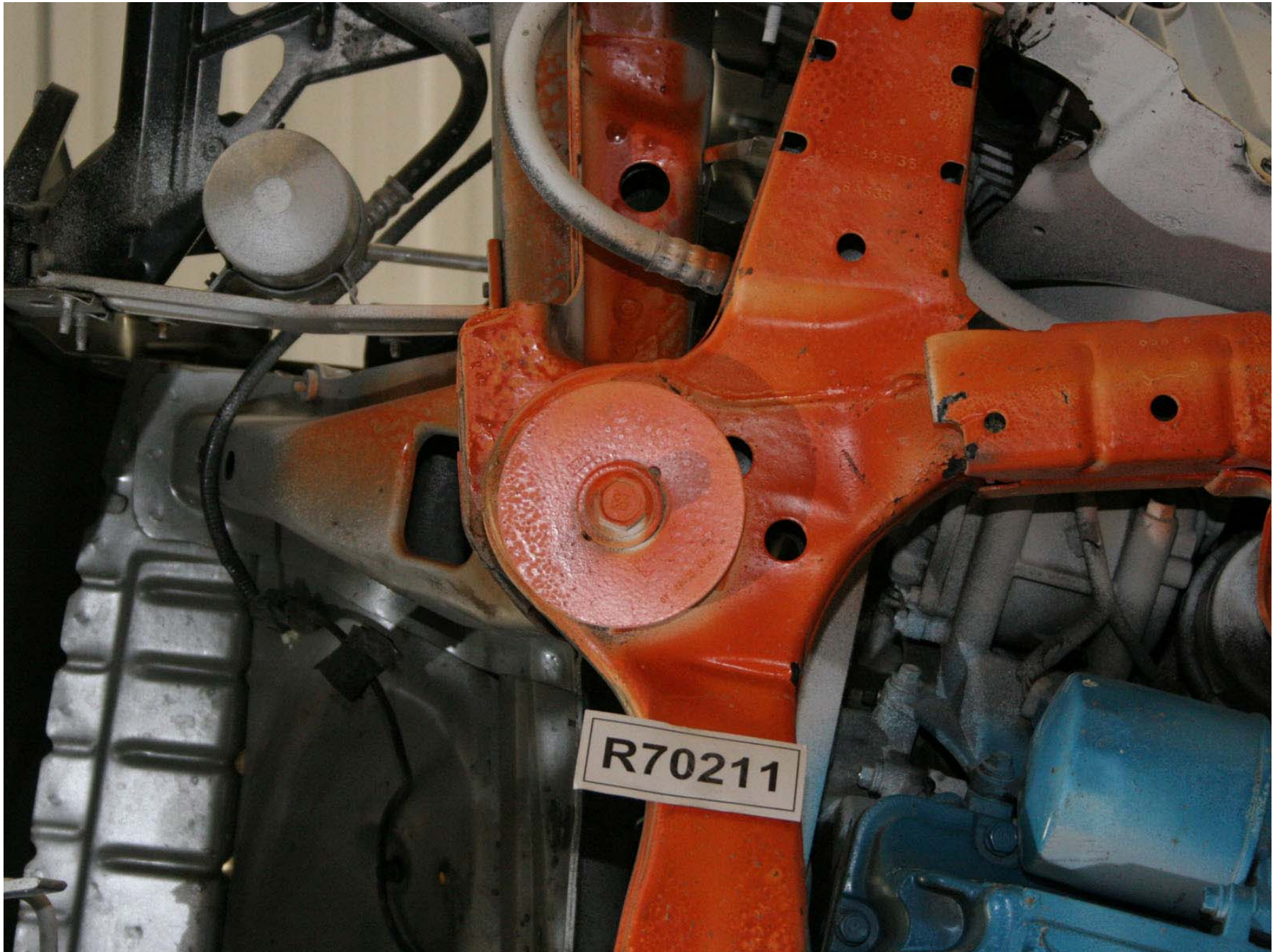


Figure A-232: Target Vehicle Post-Test Right Front Sub-Frame Mounting Point

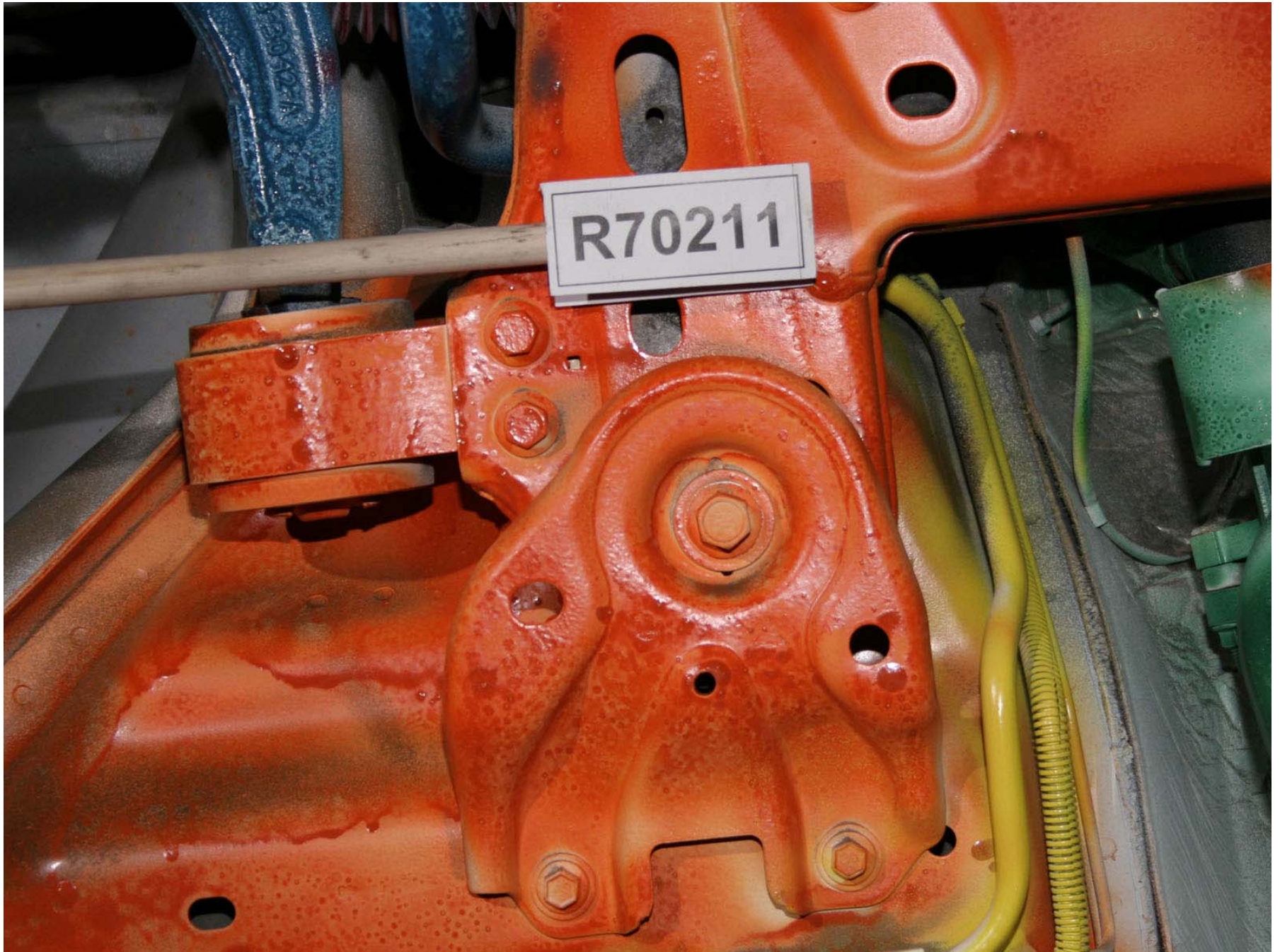


Figure A-233: Target Vehicle Pre-Test Right Rear Sub-Frame Mounting Point

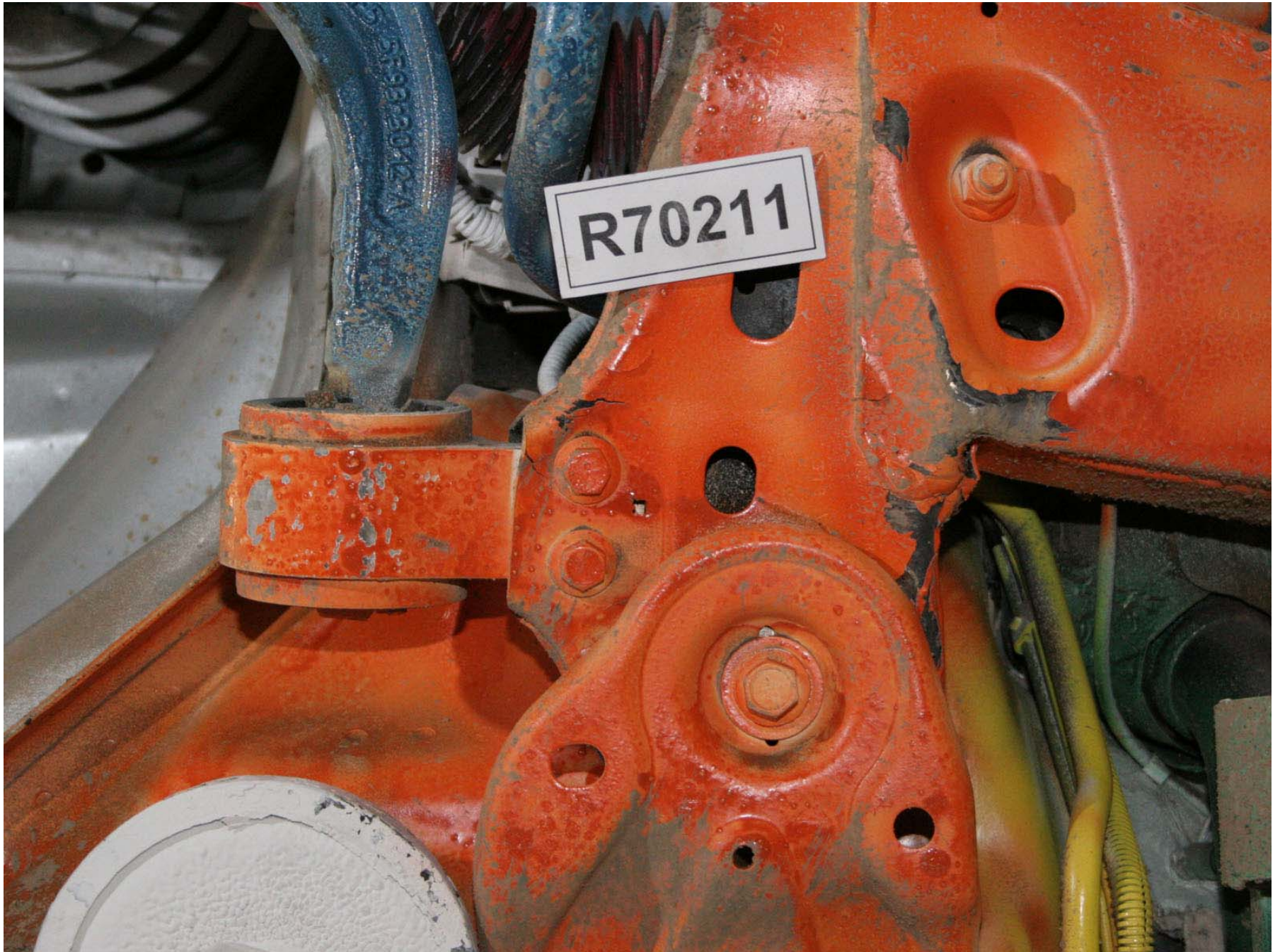


Figure A-234: Target Vehicle Post-Test Right Rear Sub-Frame Mounting Point

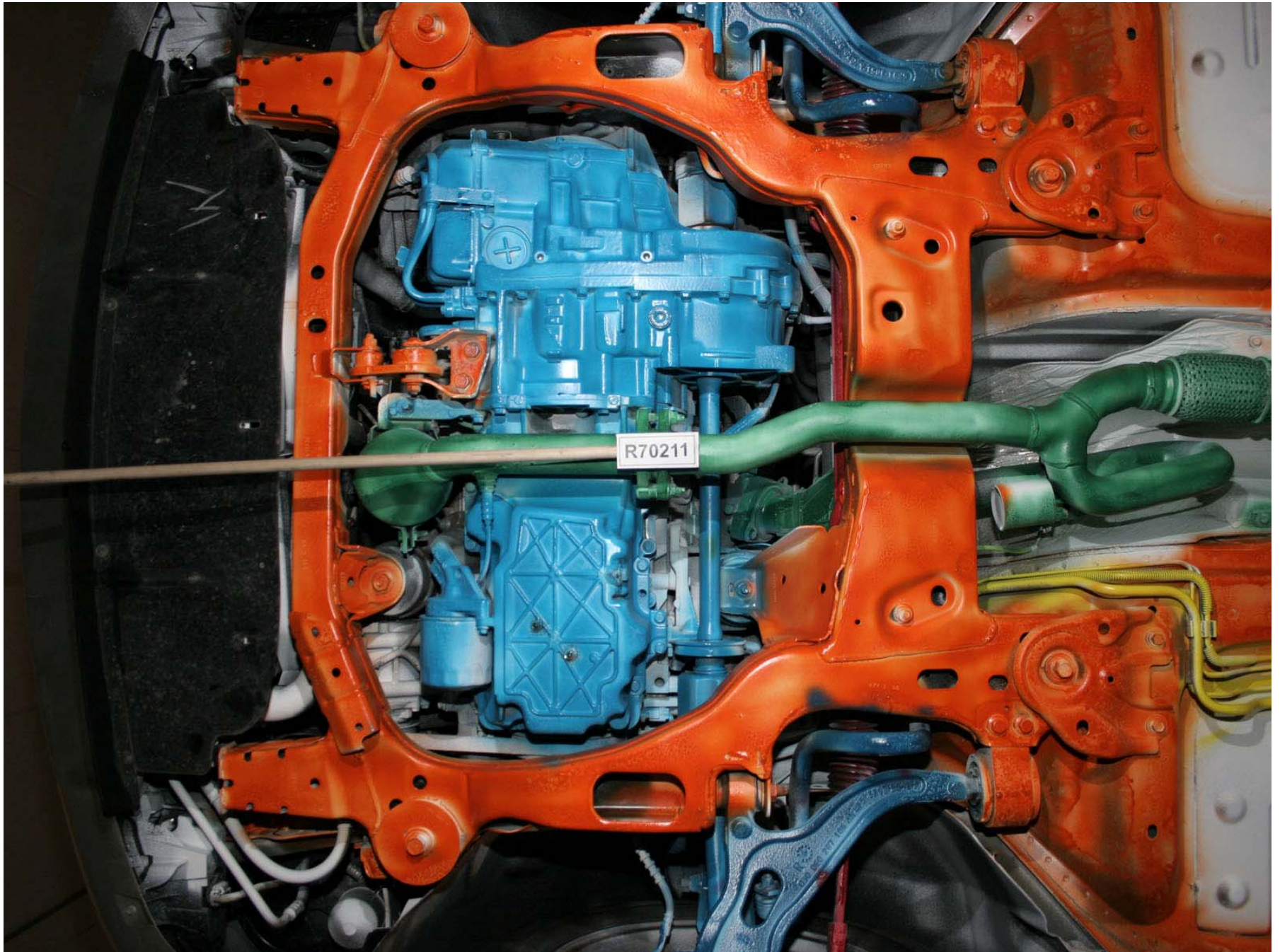
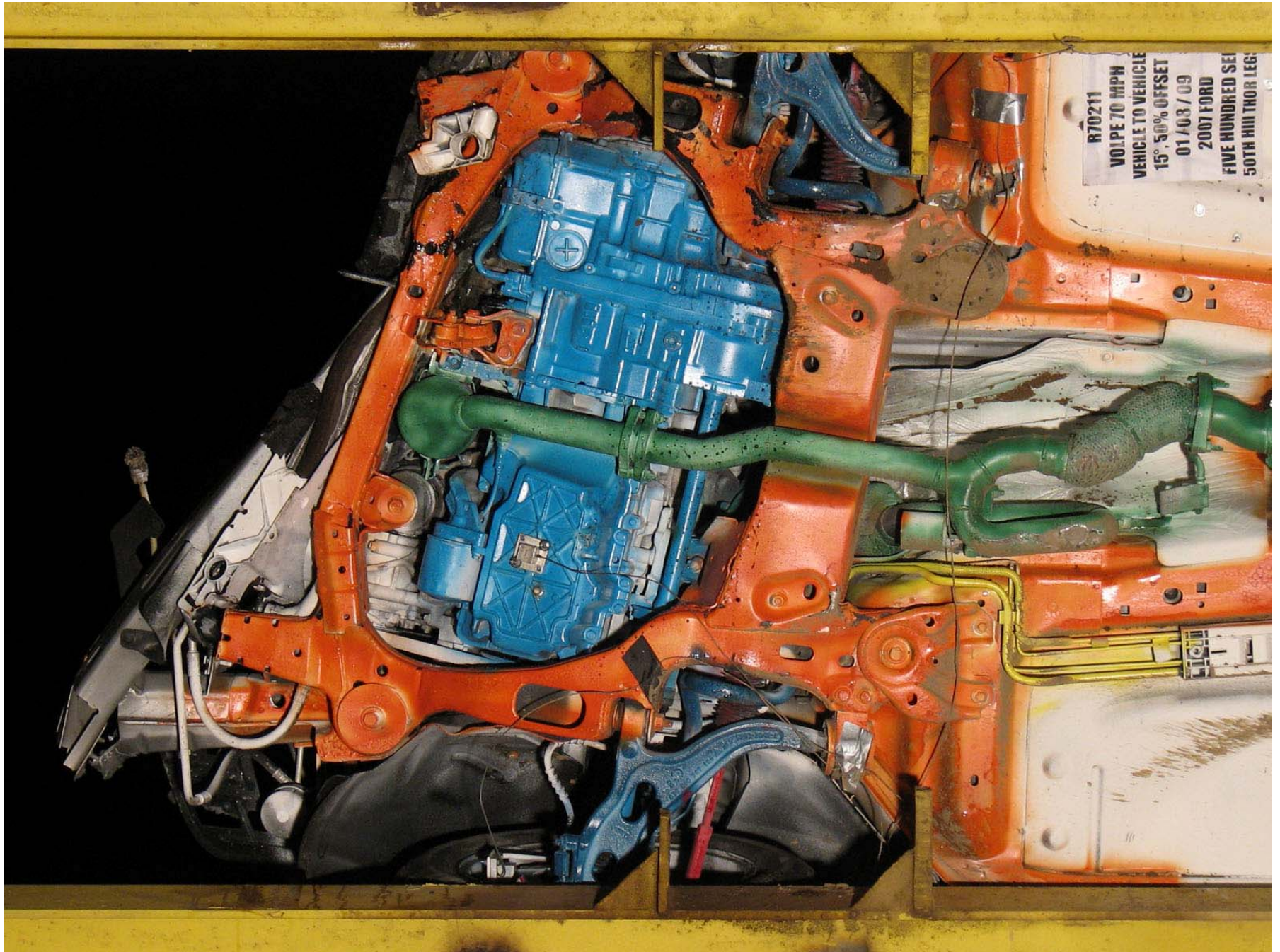


Figure A-235: Target Vehicle Pre-Test Front Underbody



R70211
VOLPE 70 MPH
VEHICLE TO VEHICLE
15° 50% OFFSET
01/03/09
2007 FORD
FIVE HUNDRED SE
50TH HILL THOR LEG

Figure A-236: Target Vehicle Post-Test Front Underbody



Figure A-237: Target Vehicle Pre-Test Mid Underbody



Figure A-238: Target Vehicle Post-Test Mid Underbody

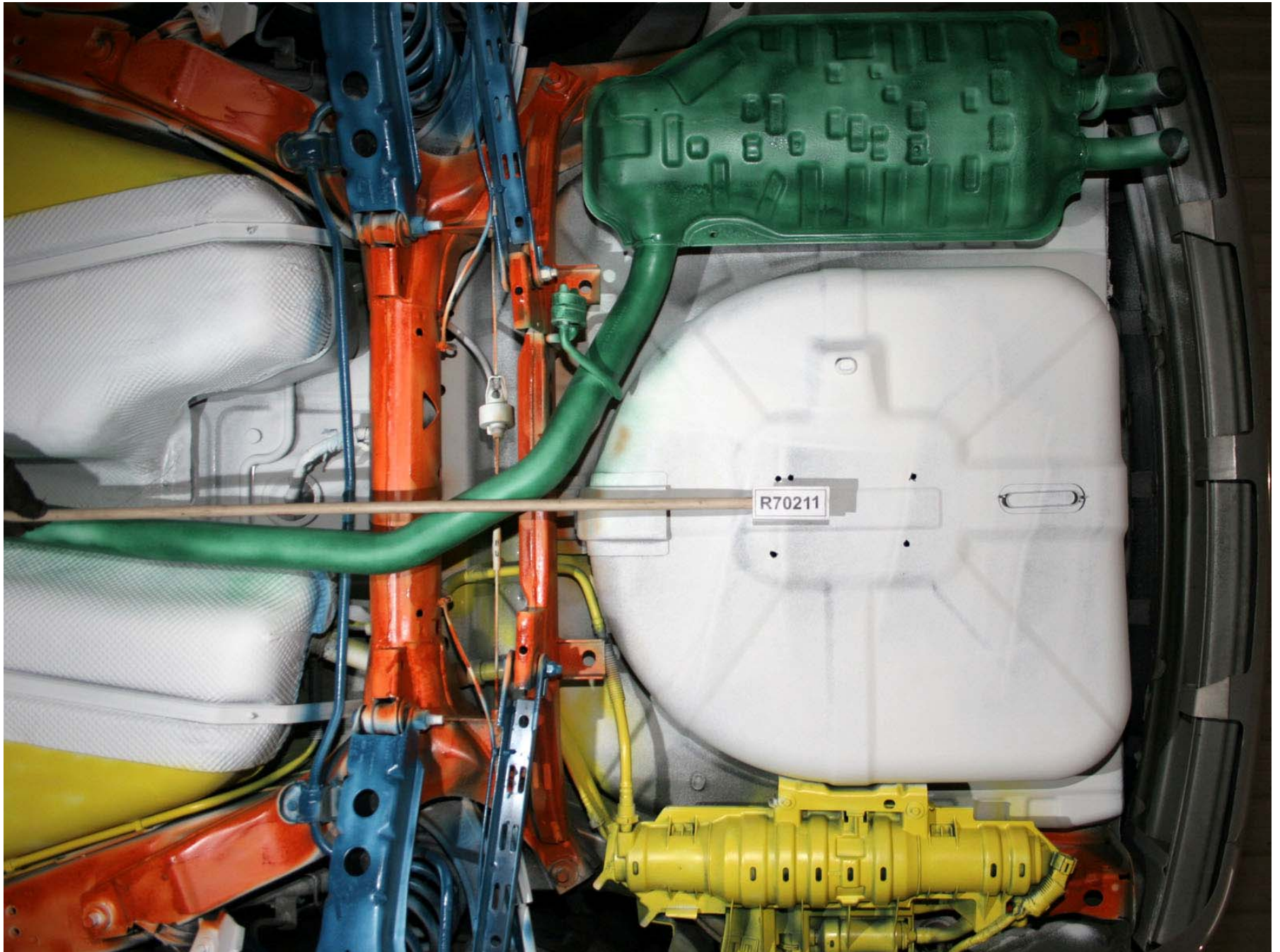


Figure A-239: Target Vehicle Pre-Test Rear Underbody

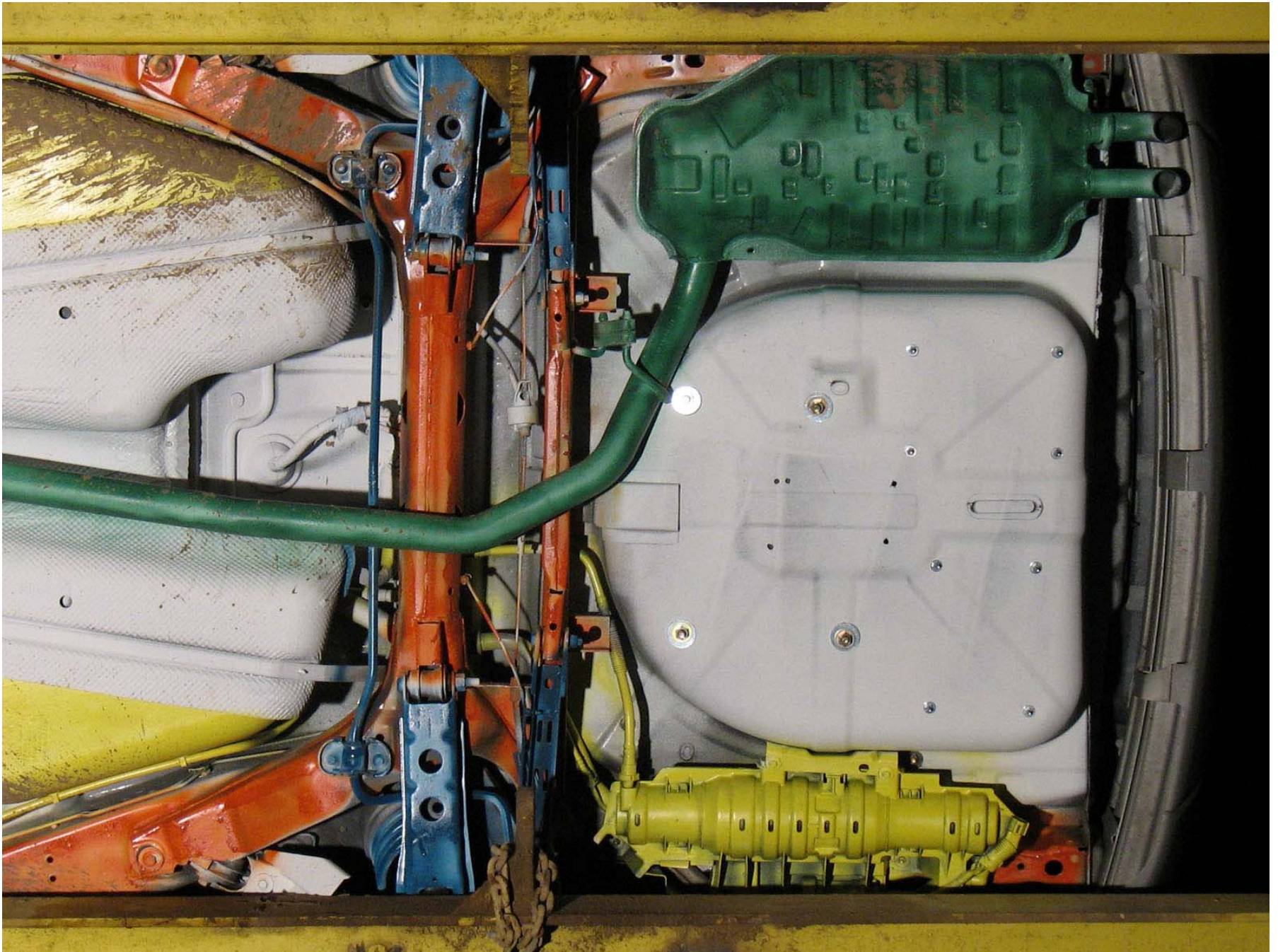


Figure A-240: Target Vehicle Post-Test Rear Underbody

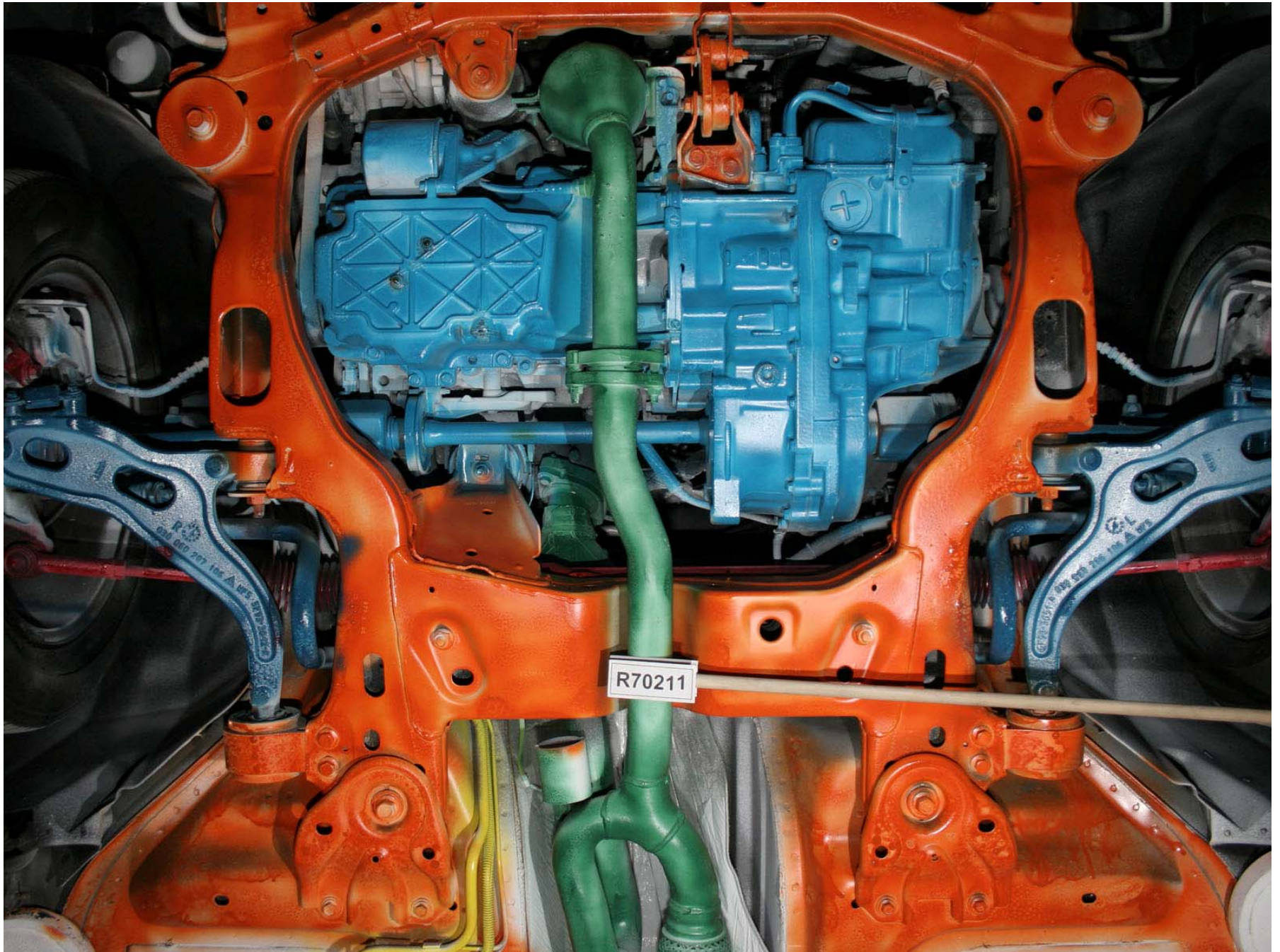


Figure A-241: Target Vehicle Pre-Test Steering Rack and Sway Bar View

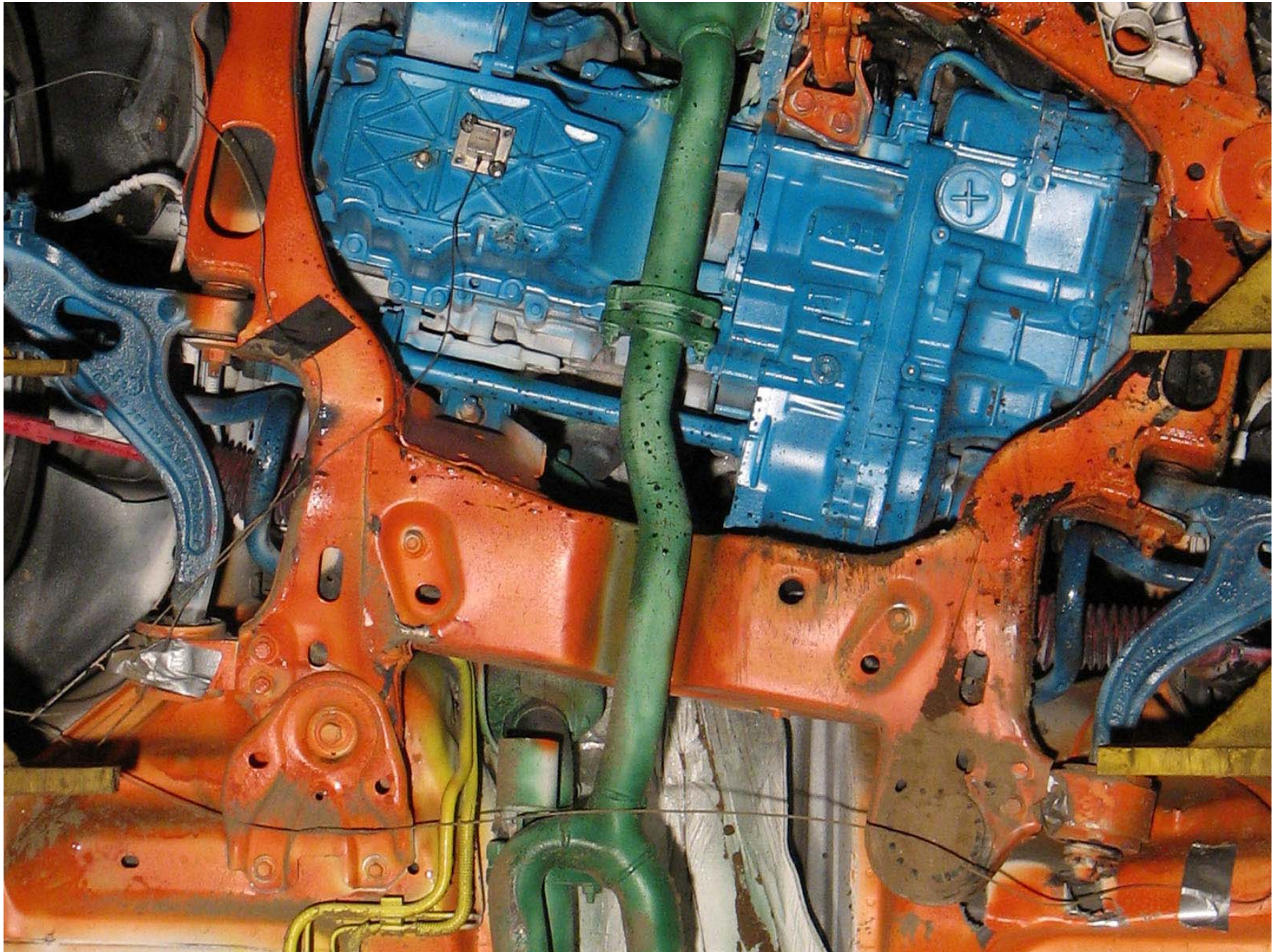


Figure A-242: Target Vehicle Post-Test Steering Rack and Sway Bar View

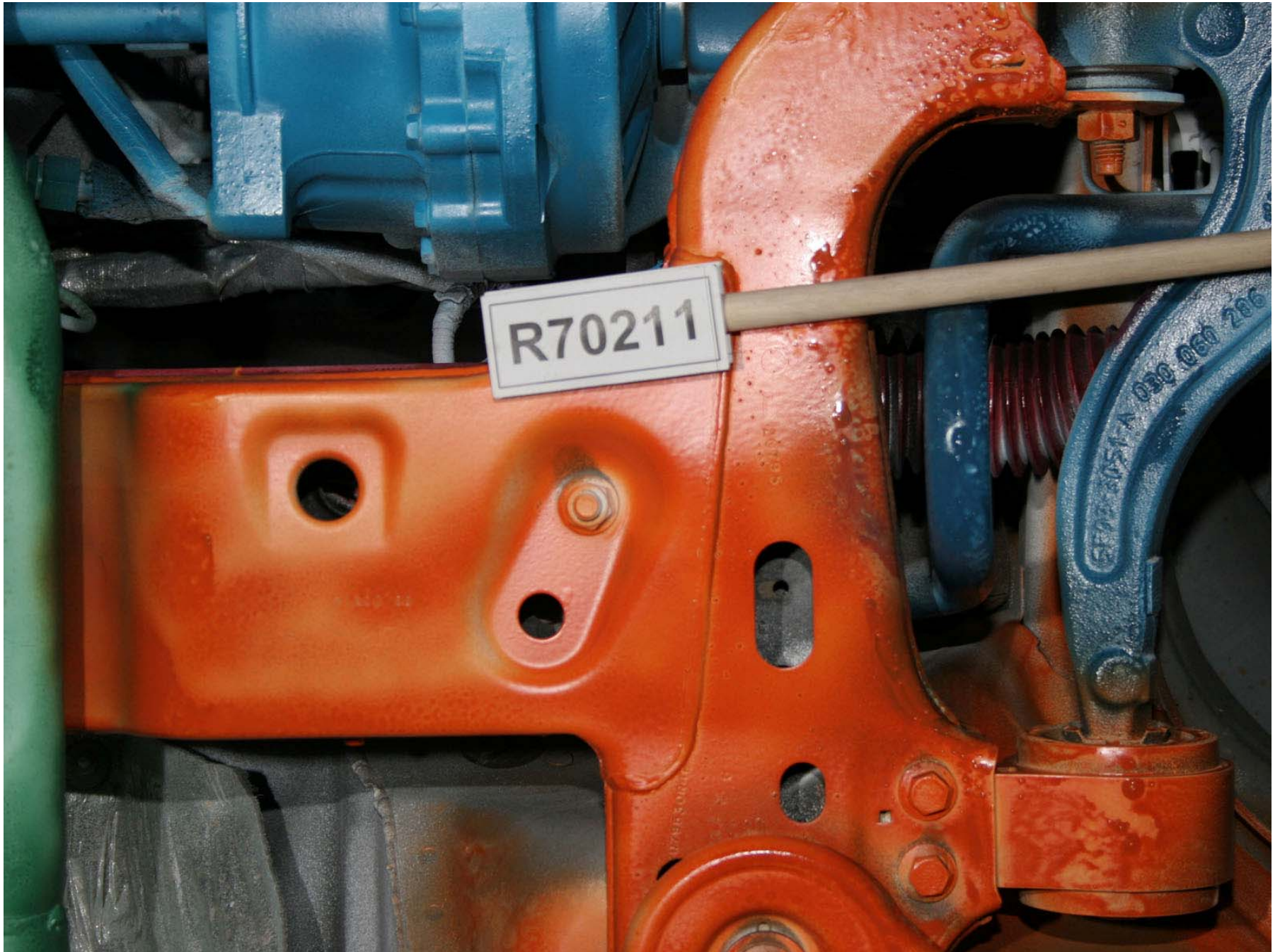


Figure A-243: Target Vehicle Pre-Test Steering Rack Left Side Mounting Bolt

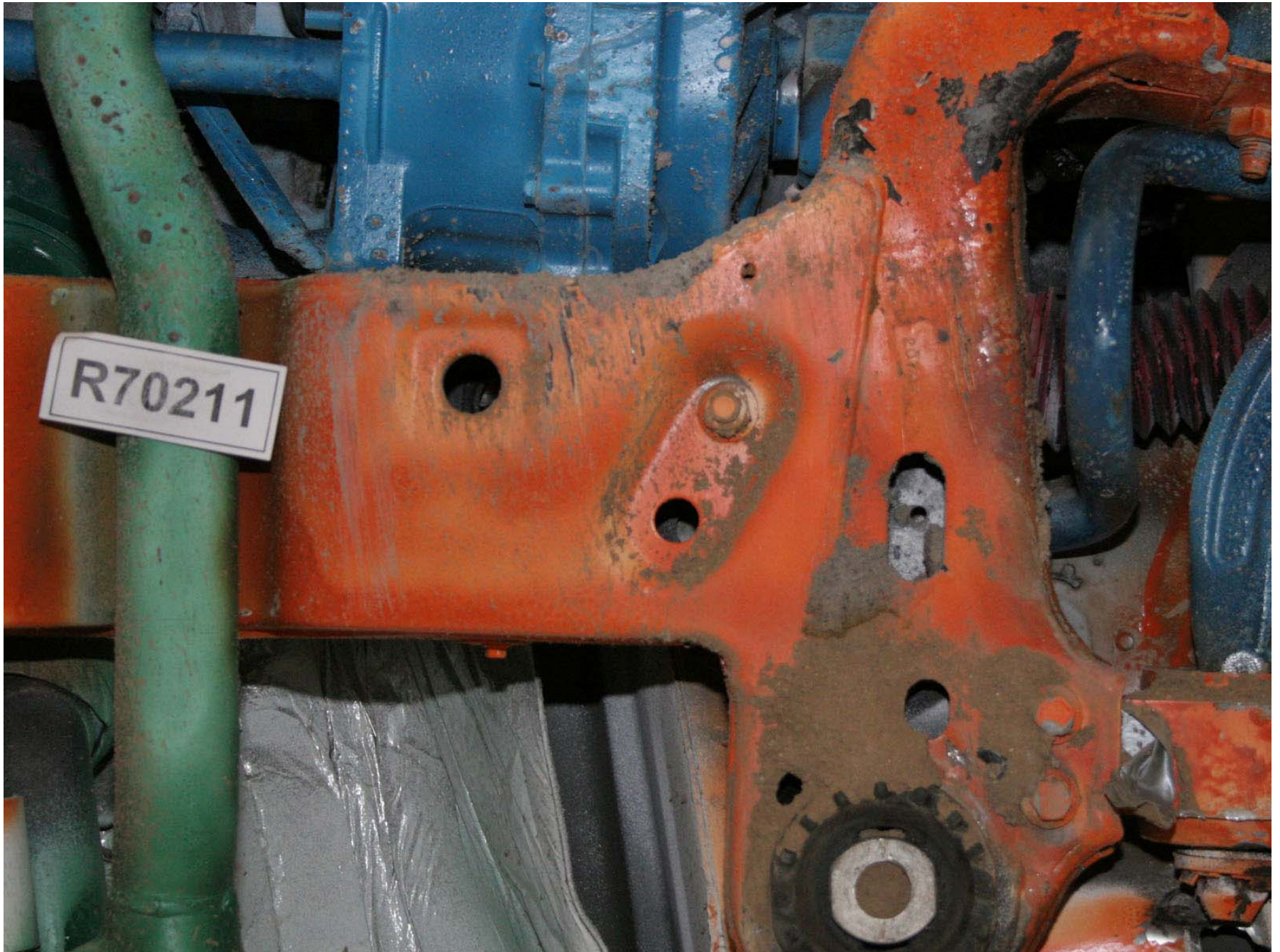


Figure A-244: Target Vehicle Post-Test Steering Rack Left Side Mounting Bolt

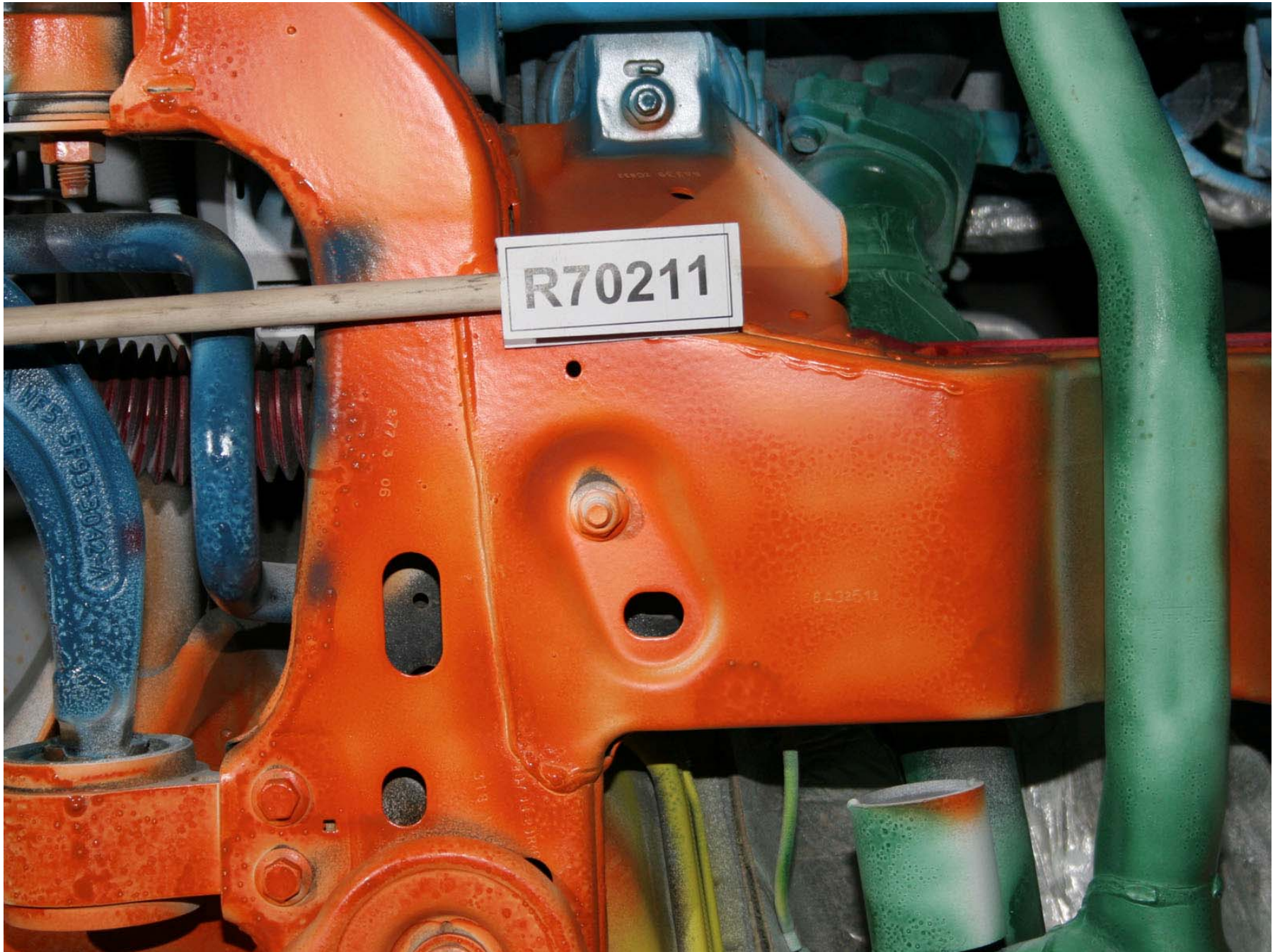


Figure A-245: Target Vehicle Pre-Test Steering Rack Right Side Mounting Bolt



Figure A-246: Target Vehicle Post-Test Steering Rack Right Side Mounting Bolt

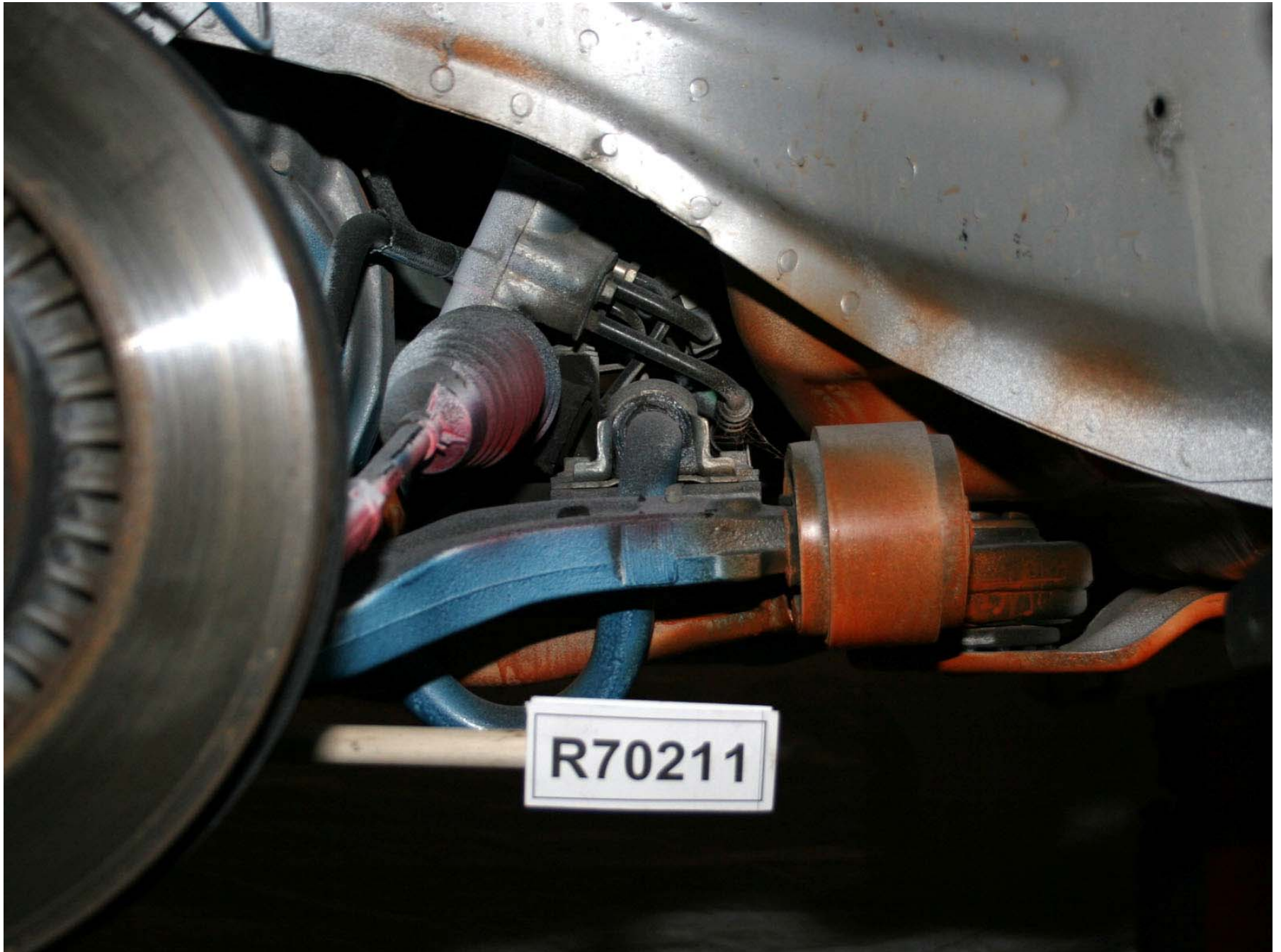


Figure A-247: Target Vehicle Pre-Test Sway Bar Left Side Mounting Bolts



Figure A-248: Target Vehicle Post-Test Sway Bar Left Side Mounting Bolts

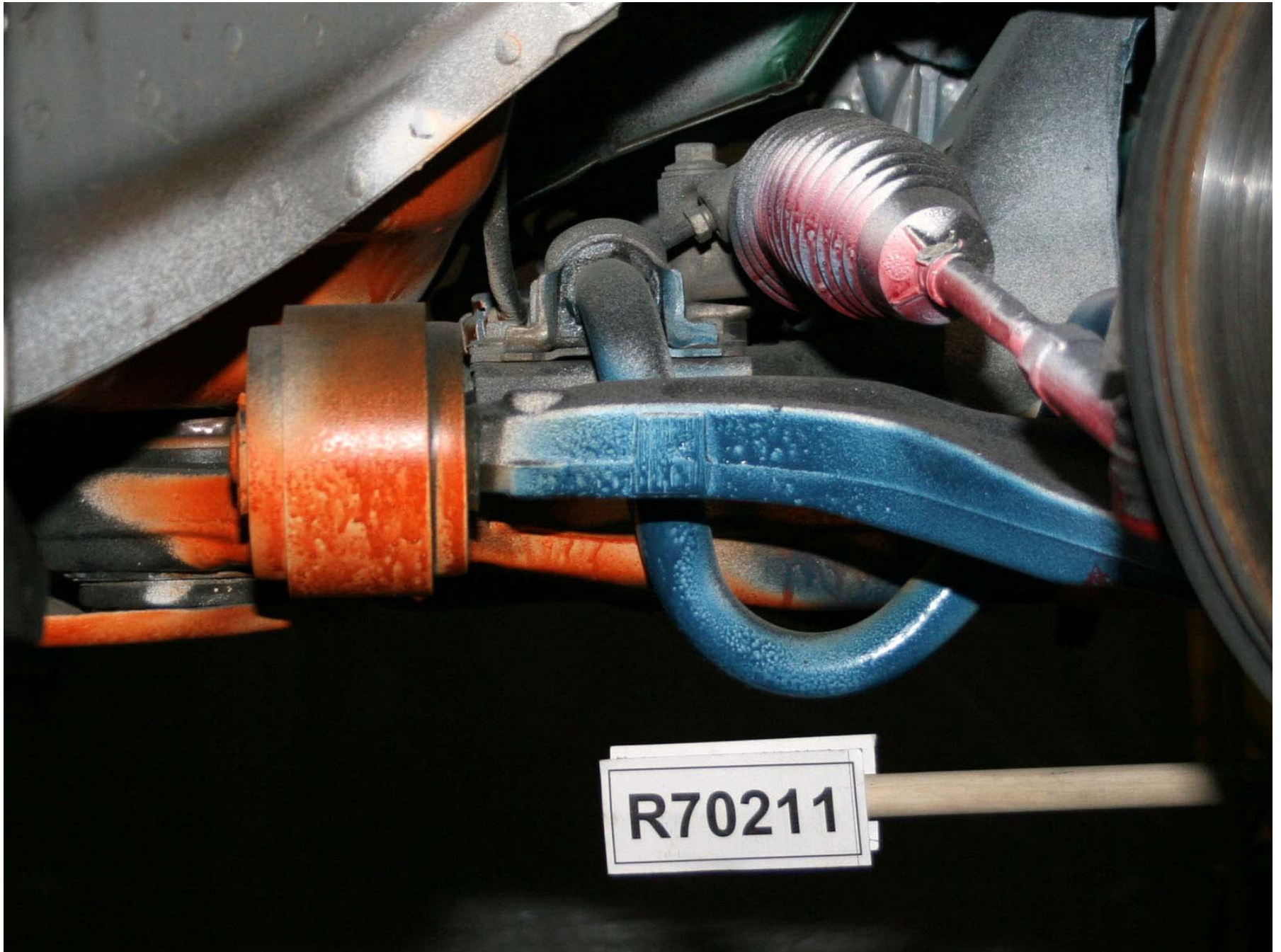


Figure A-249: Target Vehicle Pre-Test Sway Bar Right Side Mounting Bolts

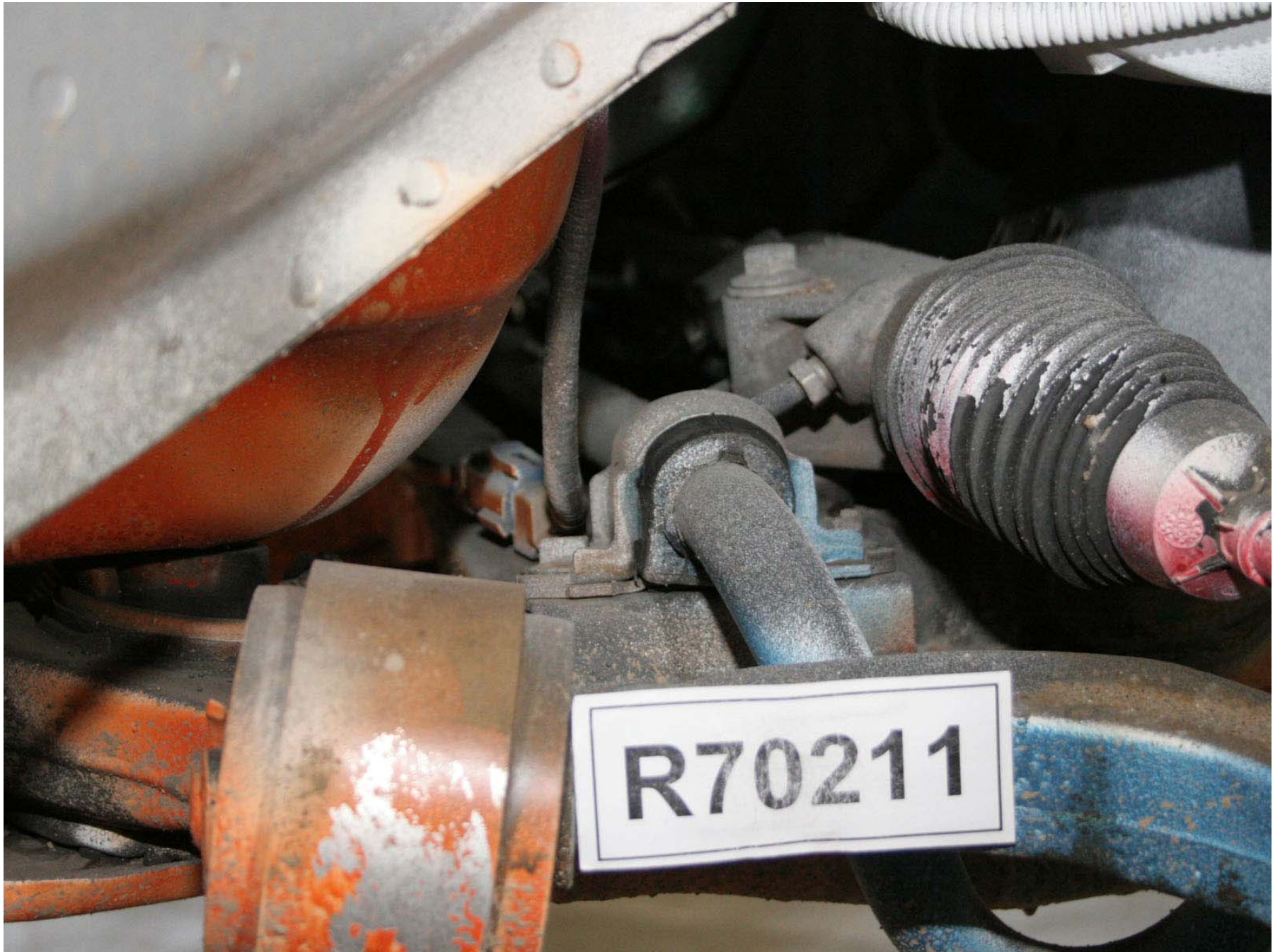


Figure A-250: Target Vehicle Post-Test Sway Bar Right Side Mounting Bolts



Figure A-251: Target Vehicle Pre-Test Front Door Panel



Figure A-252: Test Vehicle Post-Test Front Door Panel



Figure A-253: Target Vehicle Pre-Test Driver Dummy Right Side View



Figure A-254: Test Vehicle Post-Test Driver Dummy Right Side View



Figure A-255: Target Vehicle Pre-Test Driver Dummy Front View



Figure A-256: Target Vehicle Post-Test Driver Dummy Front View



Figure A-257: Target Vehicle Pre-Test Driver Dummy Left Side View (Door Open)



Figure A-258: Target Vehicle Post-Test Driver Dummy Left Side View (Door Open)



Figure A-259: Target Vehicle Pre-Test Driver Dummy Abdomen Front View



Figure A-260: Target Vehicle Post-Test Driver Dummy Abdomen Front View



Figure A-261: Target Vehicle Pre-Test Driver Dummy Abdomen Side View



Figure A-262: Target Vehicle Post-Test Driver Dummy Abdomen Side View



Figure A-263: Target Vehicle Pre-Test Driver Dummy Feet Positioning

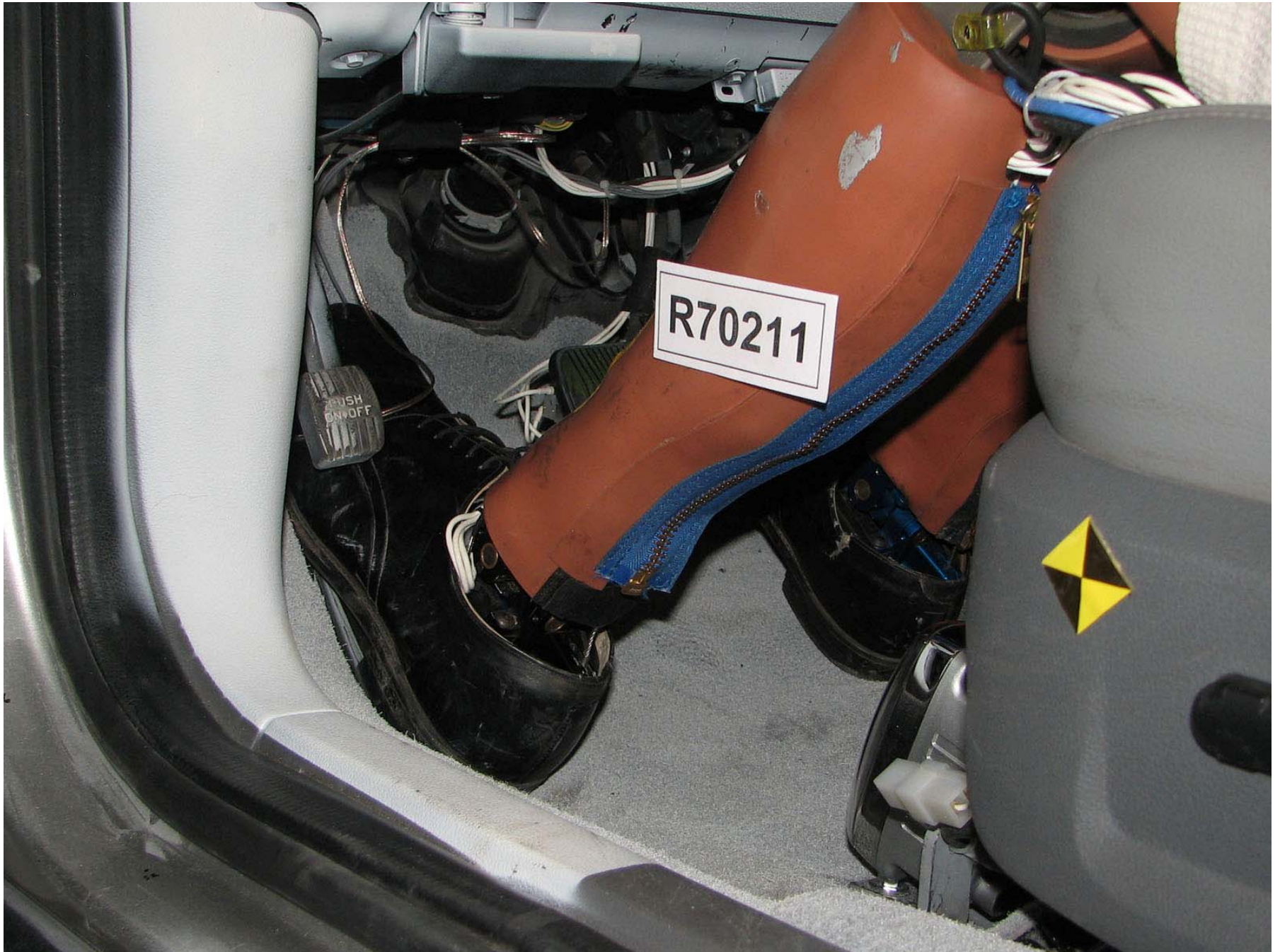


Figure A-264: Target Vehicle Pre-Test Driver Dummy Feet Positioning



Figure A-265: Target Vehicle Pre-Test Driver Dummy Feet Positioning



Figure A-266: Target Vehicle Post-Test Driver Dummy Feet Positioning



Figure A-267: Target Vehicle Post-Test Driver Dummy Feet Positioning



Figure A-268: Target Vehicle Post-Test Driver Dummy Feet Positioning



Figure A-269: Target Vehicle Pre-Test Driver Dummy Left Side View (Through Window)



Figure A-270: Target Vehicle Post-Test Driver Dummy Left Side View (Through Window)



Figure A-271: Target Vehicle Pre-Test Driver Dummy Clearance from Door



Figure A-272: Target Vehicle Post-Test Driver Dummy Clearance from Door

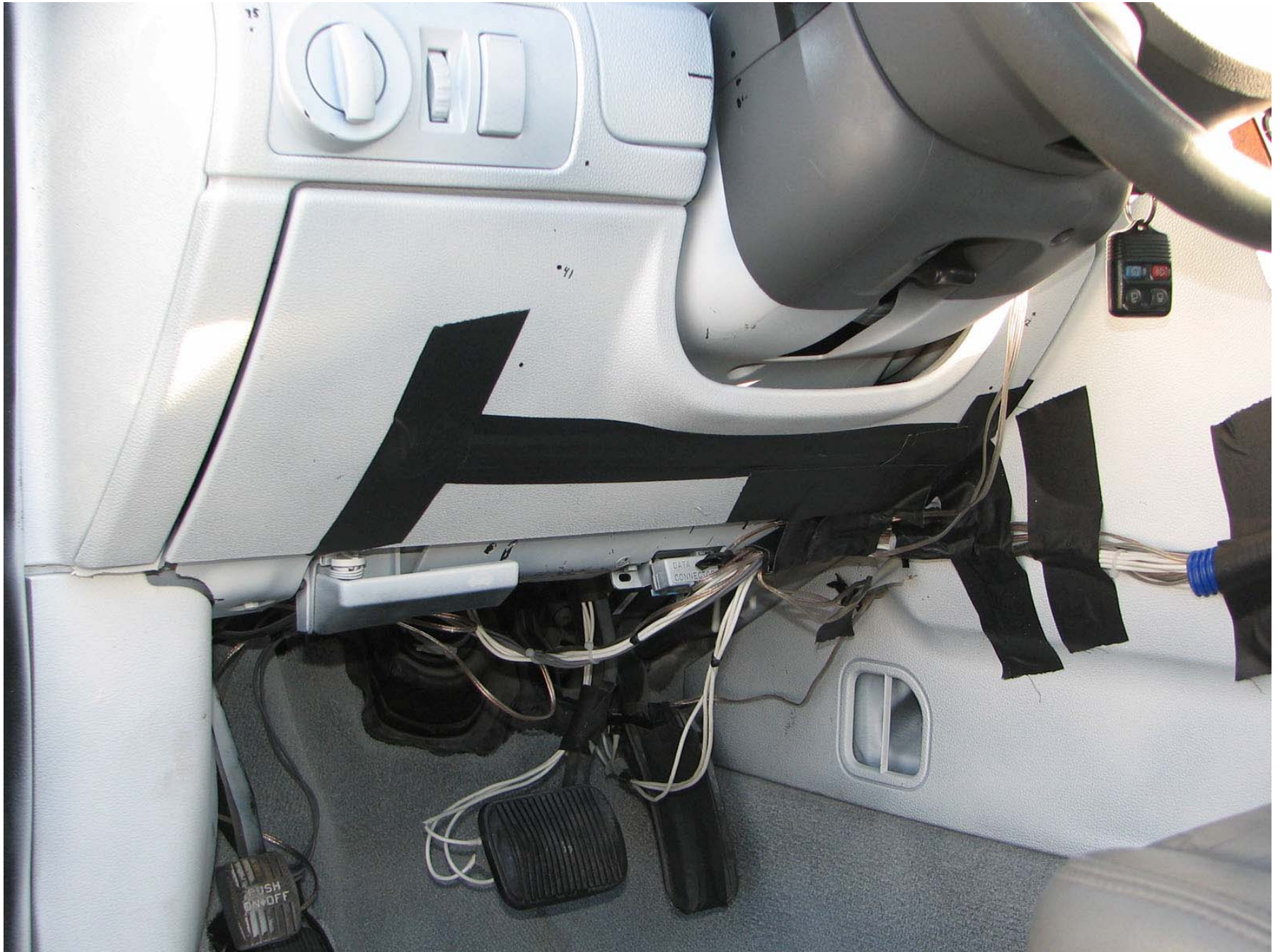


Figure A-273: Target Vehicle Pre-Test Driver's Side Knee Bolster



Figure A-274: Target Vehicle Post-Test Driver's Side Knee Bolster

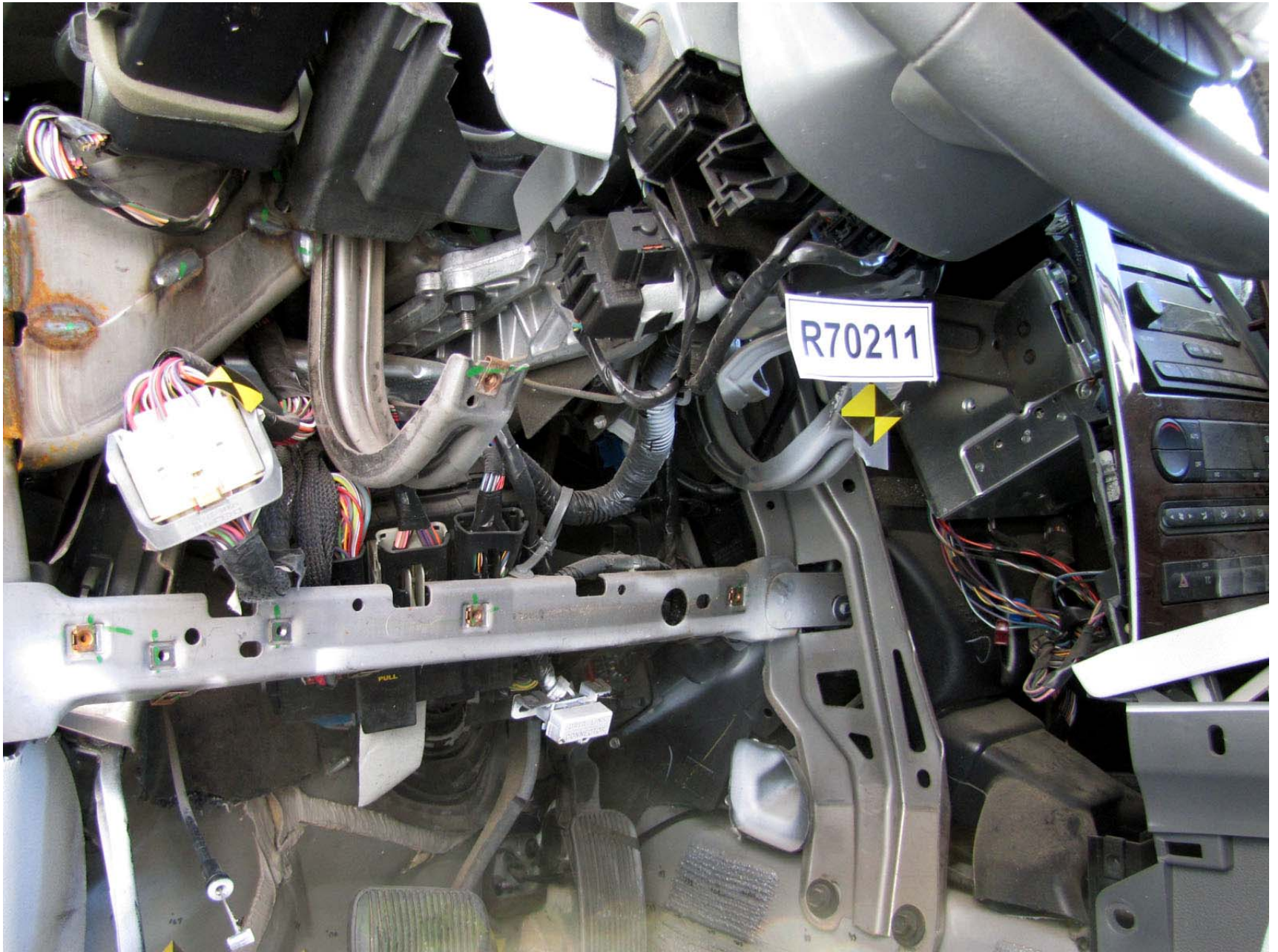


Figure A-275: Target Vehicle Post-Test Driver's Side Knee Bolster, ¾ View



Figure A-276: Target Vehicle Post-Test Driver's Side Knee Bolster

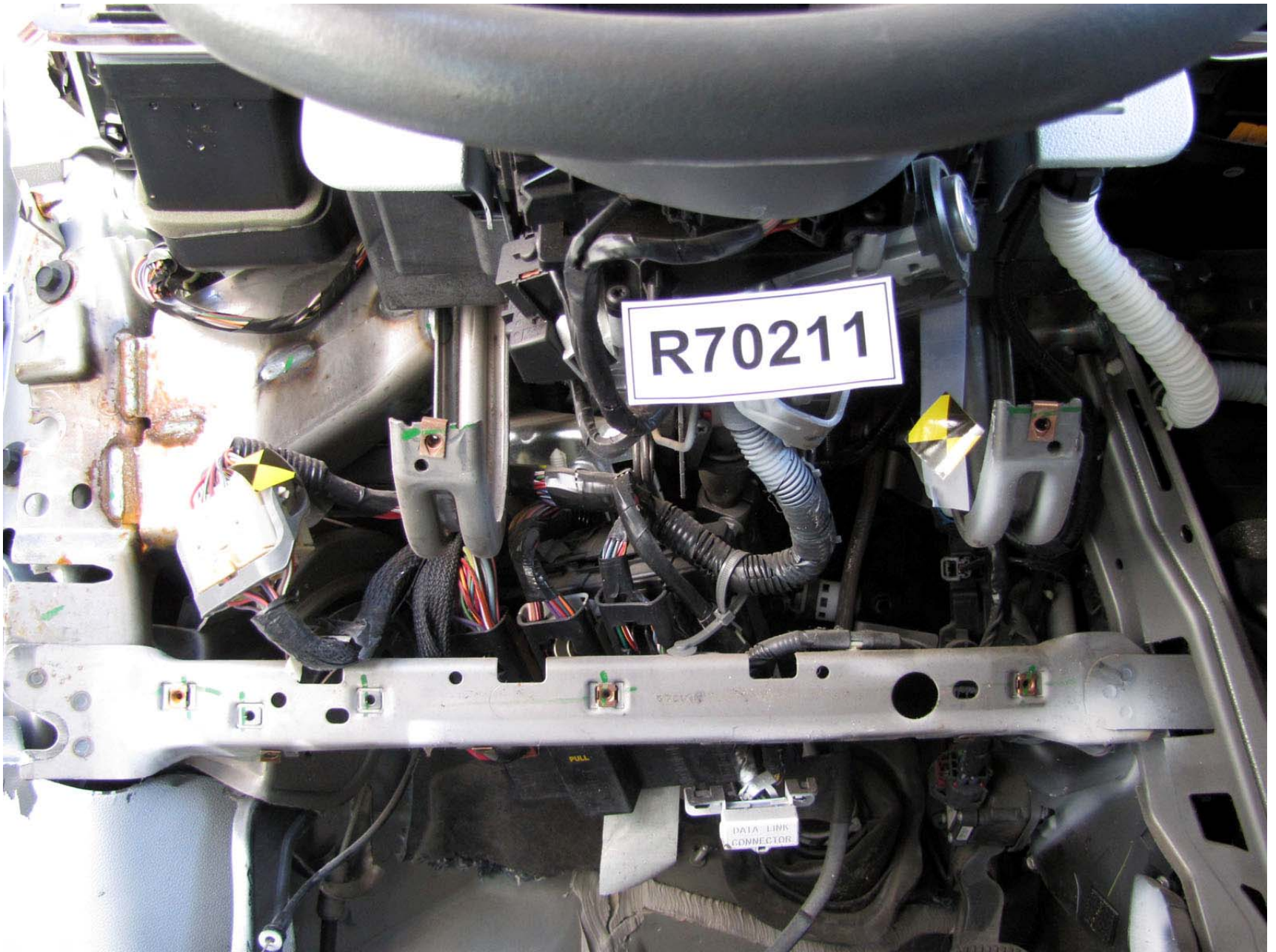


Figure A-277: Target Vehicle Post-Test Driver's Side Knee Bolster

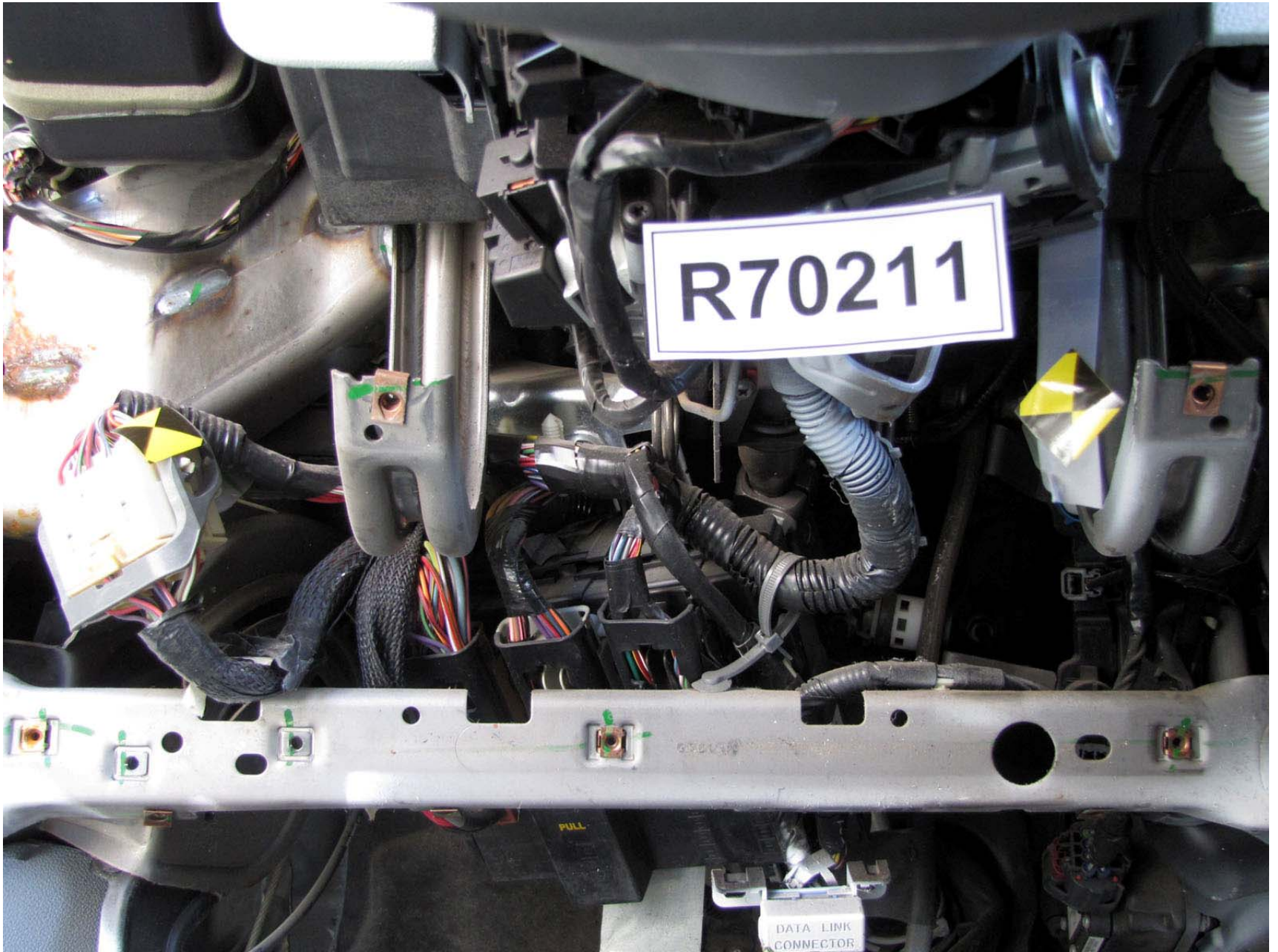


Figure A-278: Target Vehicle Post-Test Driver's Side Knee Bolster

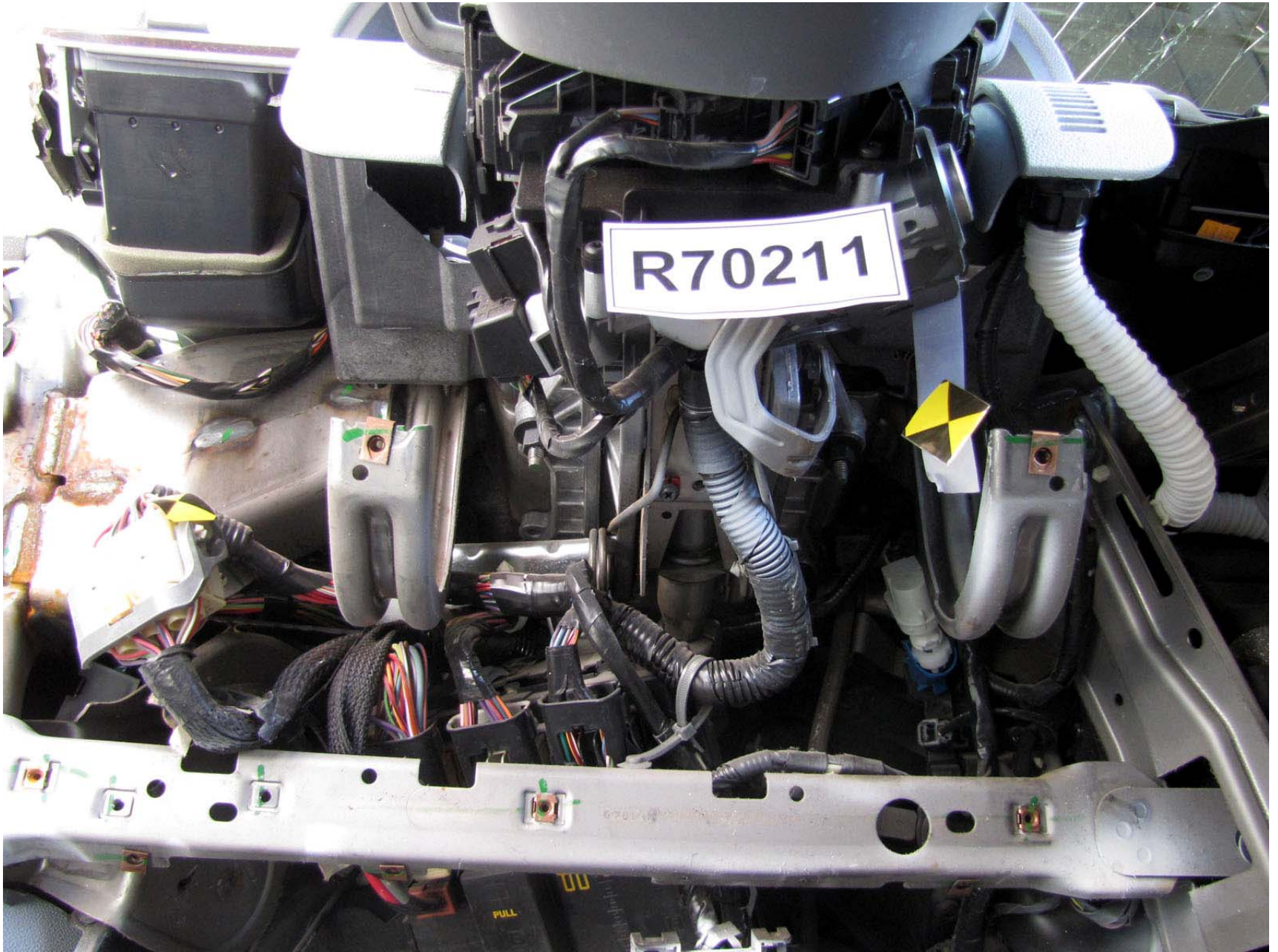


Figure A-279: Target Vehicle Post-Test Driver's Side Knee Bolster



Figure A-280: Target Vehicle Pre-Test Driver Dummy Head



Figure A-281: Target Vehicle Post-Test Driver Dummy Head



Figure A-282: Target Vehicle Post-Test Driver Dummy Contact, Airbag



Figure A-283: Target Vehicle Post-Test Driver Dummy Contact, Headrest



Figure A-284: Target Vehicle Post-Test Driver Dummy Contact, Right Arm



Figure A-285: Target Vehicle Post-Test Driver Dummy Contact, Left Arm



Figure A-286: Target Vehicle Post-Test Driver Dummy Contact, Door Panel



Figure A-287: Target Vehicle Post-Test Driver Dummy Contact, Driver Door Panel



Figure A-288: Target Vehicle Pre-Test Rear Door Panel



Figure A-289: Target Vehicle Post-Test Rear Door Panel



Figure A-290: Target Vehicle Pre-Test Passenger Dummy Right Side View



Figure A-291: Target Vehicle Post-Test Passenger Dummy Right Side View



Figure A-292: Target Vehicle Pre-Test Passenger Dummy Front View



Figure A-293: Target Vehicle Post-Test Passenger Dummy Front View



Figure A-294: Target Vehicle Pre-Test Passenger Dummy Left Side View (Door Open)

**Photograph Not
Available**

Figure A-295: Target Vehicle Post-Test Passenger Dummy Left Side View (Door Open)



Figure A-296: Target Vehicle Pre-Test Passenger Dummy Feet Positioning



Figure A-297: Target Vehicle Pre-Test Passenger Dummy Feet Positioning

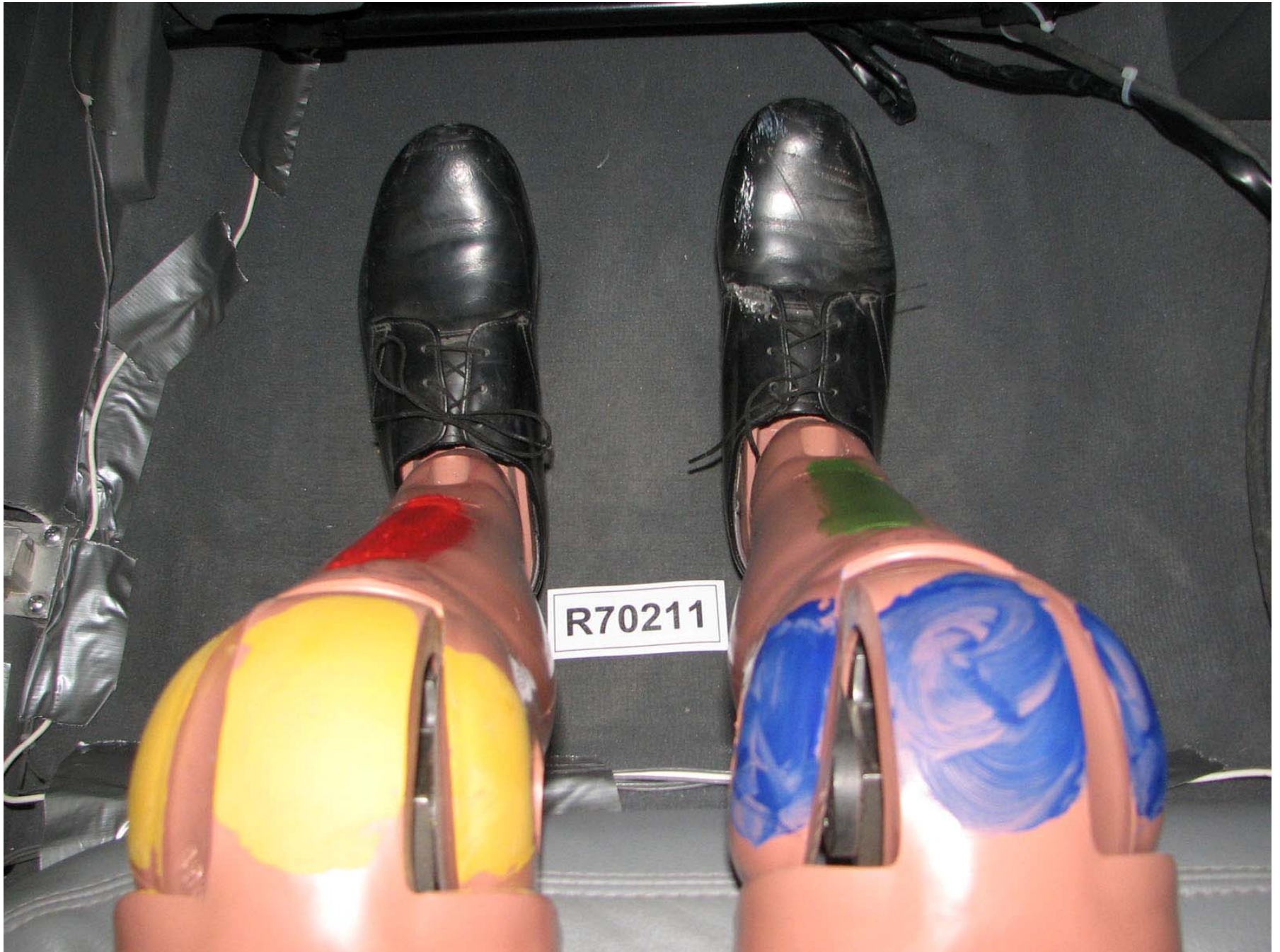


Figure A-298: Target Vehicle Pre-Test Passenger Dummy Feet Positioning

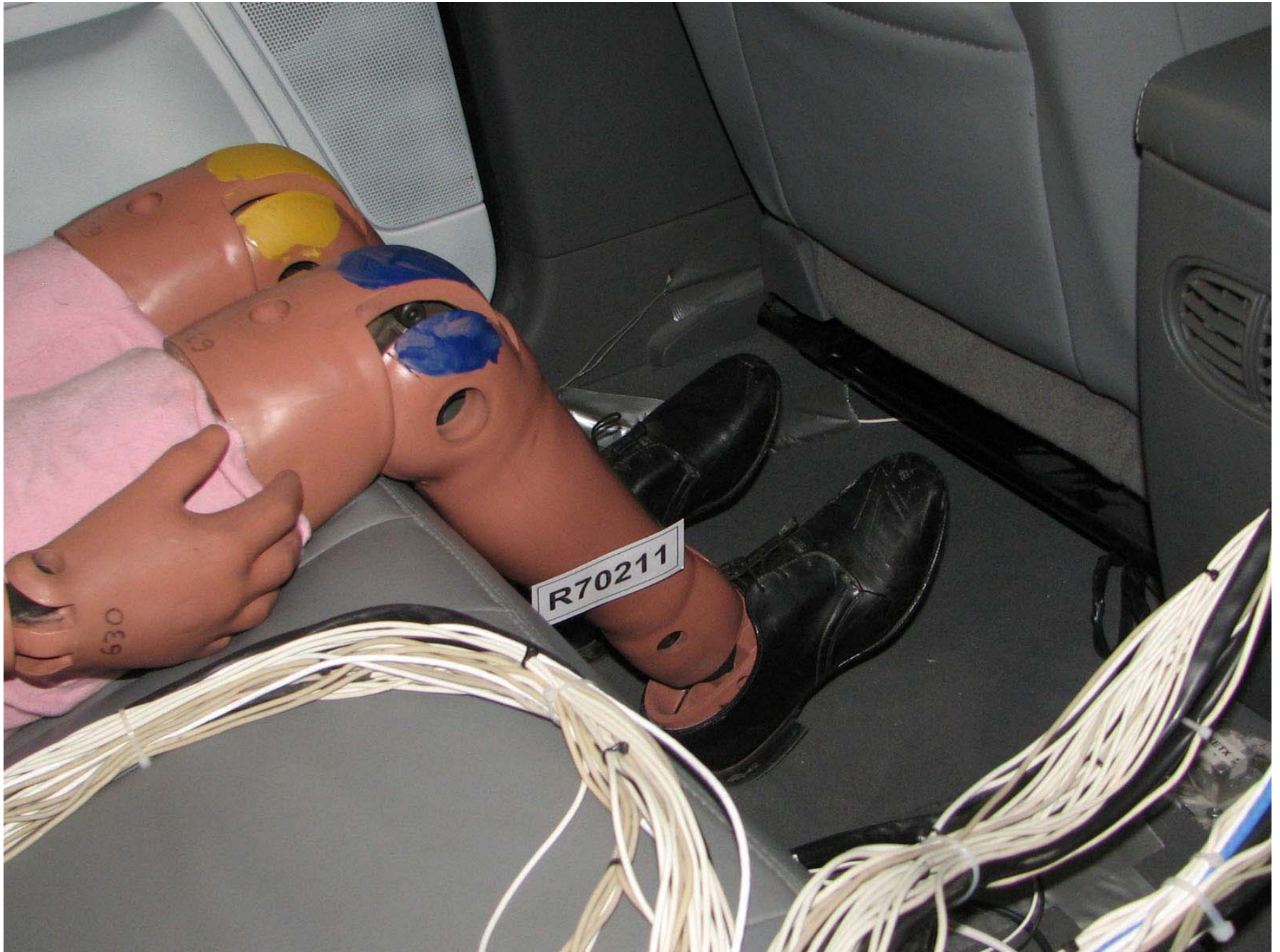


Figure A-299: Target Vehicle Pre-Test Passenger Dummy Feet Positioning



Figure A-300: Target Vehicle Post-Test Passenger Dummy Feet Positioning



Figure A-301: Target Vehicle Post-Test Passenger Dummy Feet Positioning



Figure A-302: Target Vehicle Post-Test Passenger Dummy Feet Positioning



Figure A-303: Target Vehicle Pre-Test Passenger Dummy Left Side View (Through Window)



Figure A-304: Target Vehicle Post-Test Passenger Dummy Left Side View (Through Window)



Figure A-305: Target Vehicle Pre-Test Passenger Dummy Clearance from Door



Figure A-306: Target Vehicle Pre-Test Passenger's Side Knee Bolster



Figure A-307: Target Vehicle Post-Test Passenger Dummy Clearance from Door



Figure A-308: Test Vehicle Post-Test Passenger's Side Knee Bolster



Figure A-309: Target Vehicle Pre-Test Passenger Dummy Head



Figure A-310: Target Vehicle Post-Test Passenger Dummy Head



Figure A-311: Target Vehicle Post-Test Passenger Dummy Contact, Seat Back



Figure A-312: Target Vehicle Post-Test Passenger Dummy Contact, Seat Back



Figure A-313: Target Vehicle Post-Test Passenger Dummy Contact, Door Panel



Figure A-314: Target Vehicle Pre-Test Driver Floorpan



Figure A-315: Target Vehicle Post-Test Driver Floorpan



Figure A-316: Target Vehicle Pre-Test Driver Floorpan Left $\frac{3}{4}$ View, Seat Cushion Height



Figure A-317: Target Vehicle Post-Test Driver Floorpan Left $\frac{3}{4}$ View, Seat Cushion Height



Figure A-318: Target Vehicle Pre-Test Driver Floorpan Left 3/4 View, Sill Height



Figure A-319: Target Vehicle Post-Test Driver Floorpan Left $\frac{3}{4}$ View, Sill Height



Figure A-320: Target Vehicle Pre-Test Driver Floorpan, Seat Cushion Height



Figure A-321: Target Vehicle Post-Test Driver Floorpan, Seat Cushion Height



Figure A-322: Target Vehicle Pre-Test Driver Floorpan, Sill Height

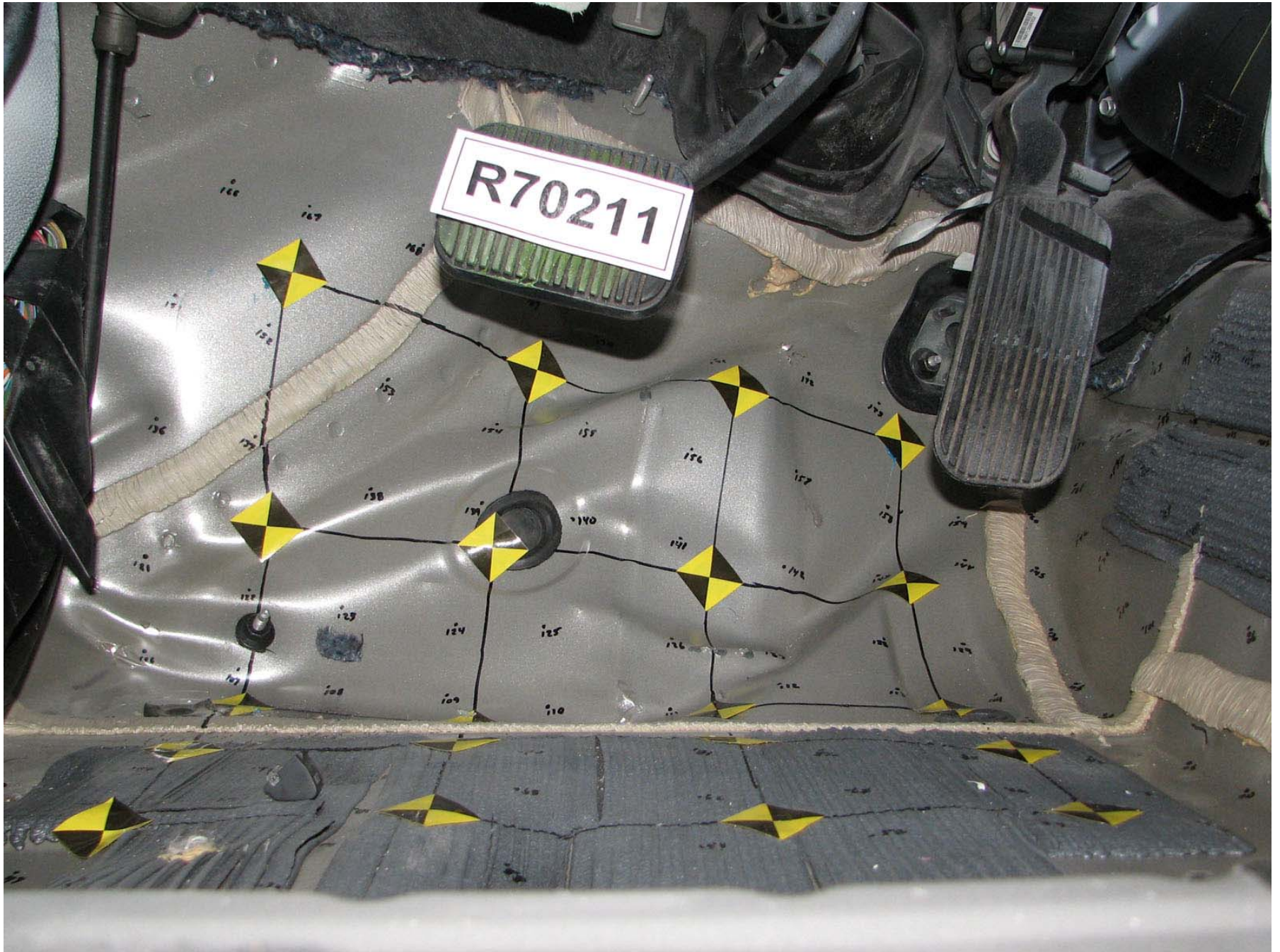


Figure A-323: Target Vehicle Post-Test Driver Floorpan, Sill Height

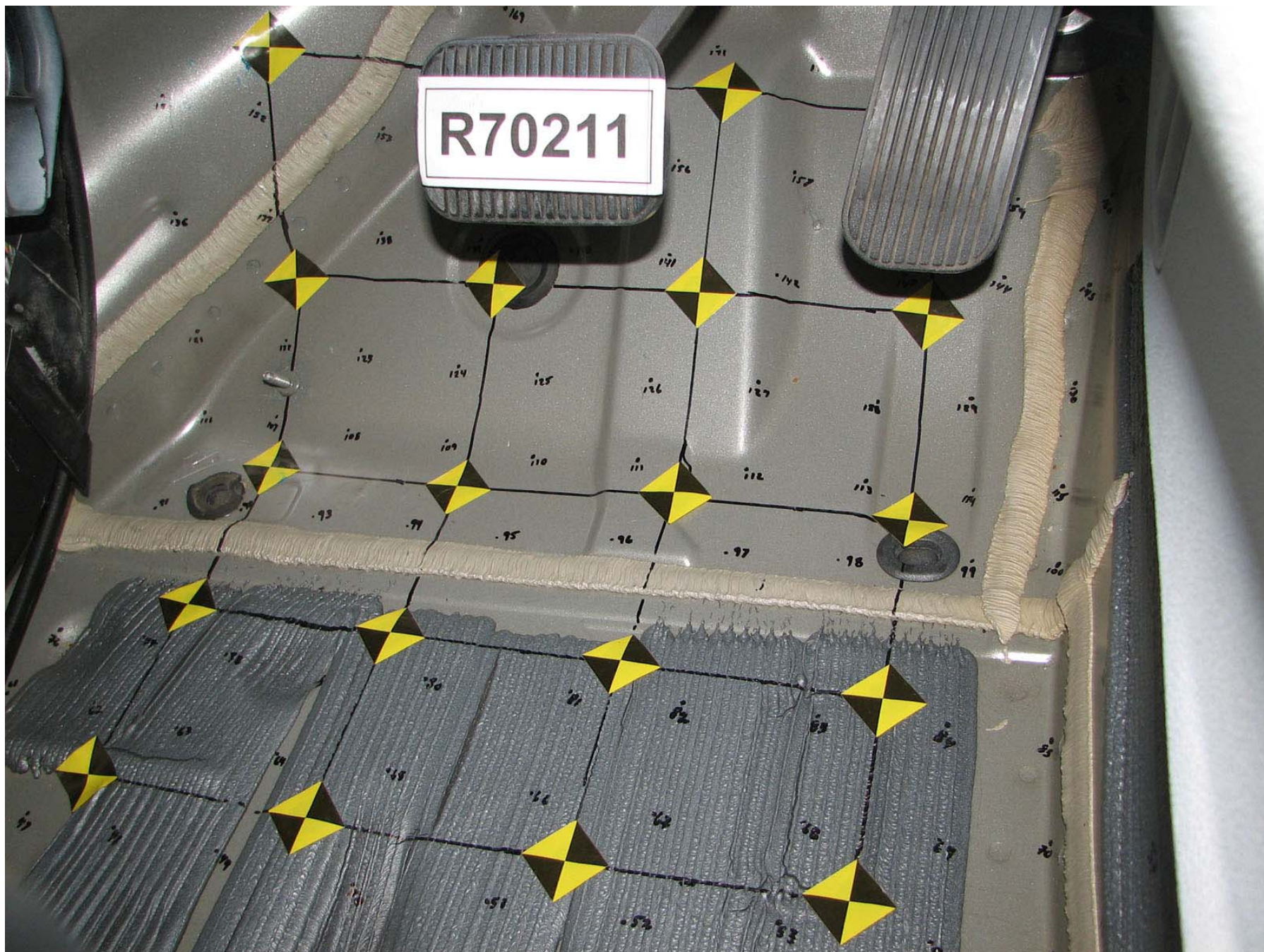


Figure A-324: Target Vehicle Pre-Test Driver Floorpan Right $\frac{3}{4}$ View, Seat Cushion Height

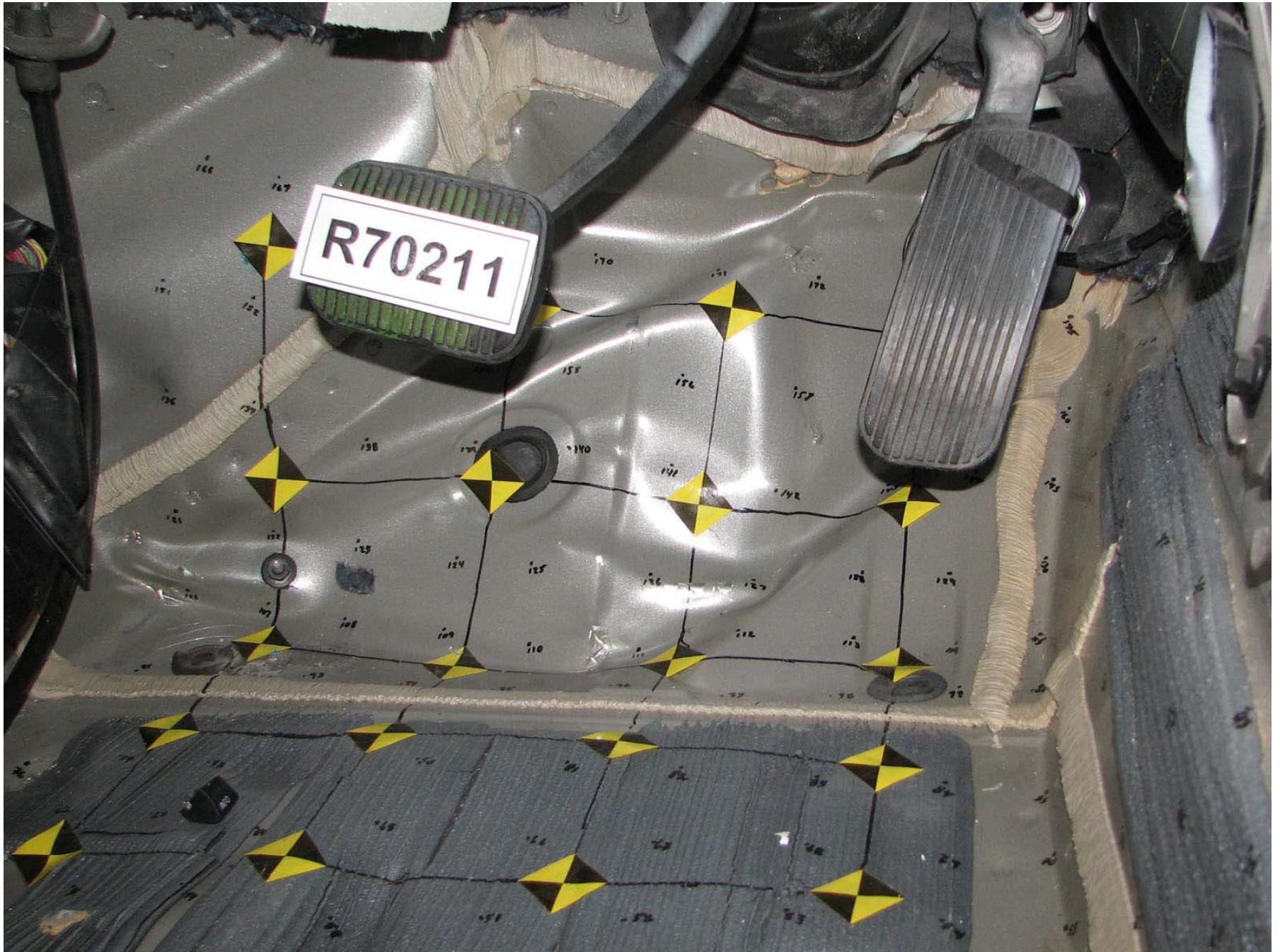


Figure A-325: Target Vehicle Post-Test Driver Floorpan Right $\frac{3}{4}$ View, Seat Cushion Height



Figure A-326: Target Vehicle Pre-Test Driver Floorpan Right $\frac{3}{4}$ View, Sill Height

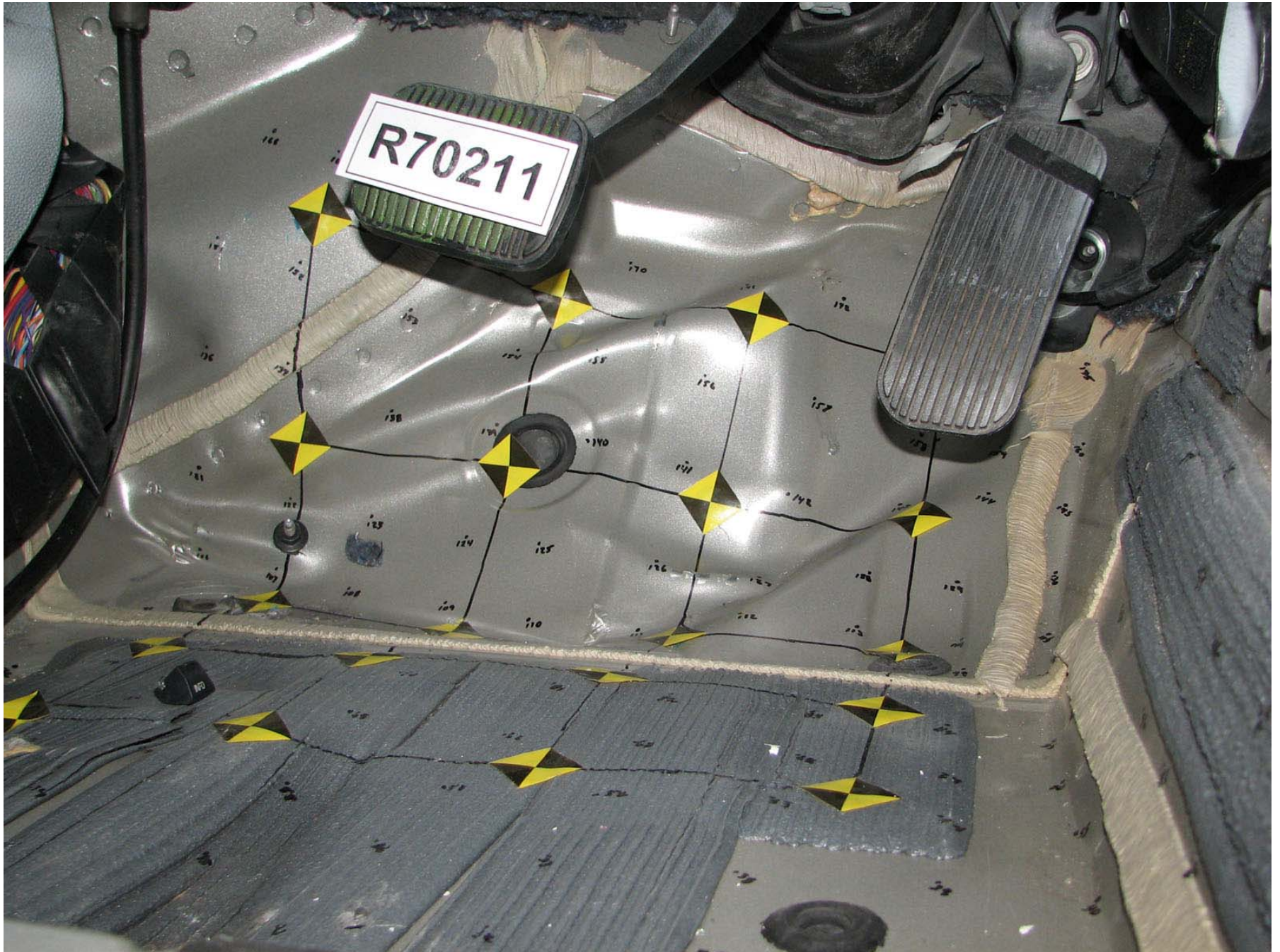


Figure A-327: Target Vehicle Post-Test Driver Floorpan Right $\frac{3}{4}$ View, Sill Height



Figure A-328: Target Vehicle Pre-Test Accelerator Pedal, Seat Cushion Height



Figure A-329: Target Vehicle Post-Test Accelerator Pedal, Seat Cushion Height



Figure A-330: Target Vehicle Pre-Test Accelerator Pedal Side View, In Front of Brake Pedal



Figure A-331: Target Vehicle Pre-Test Accelerator Pedal Side View, In Front of Brake Pedal



Figure A-332: Target Vehicle Pre-Test Accelerator Pedal Side View, Behind Brake Pedal



Figure A-333: Target Vehicle Post-Test Accelerator Pedal Side View, Behind Brake Pedal

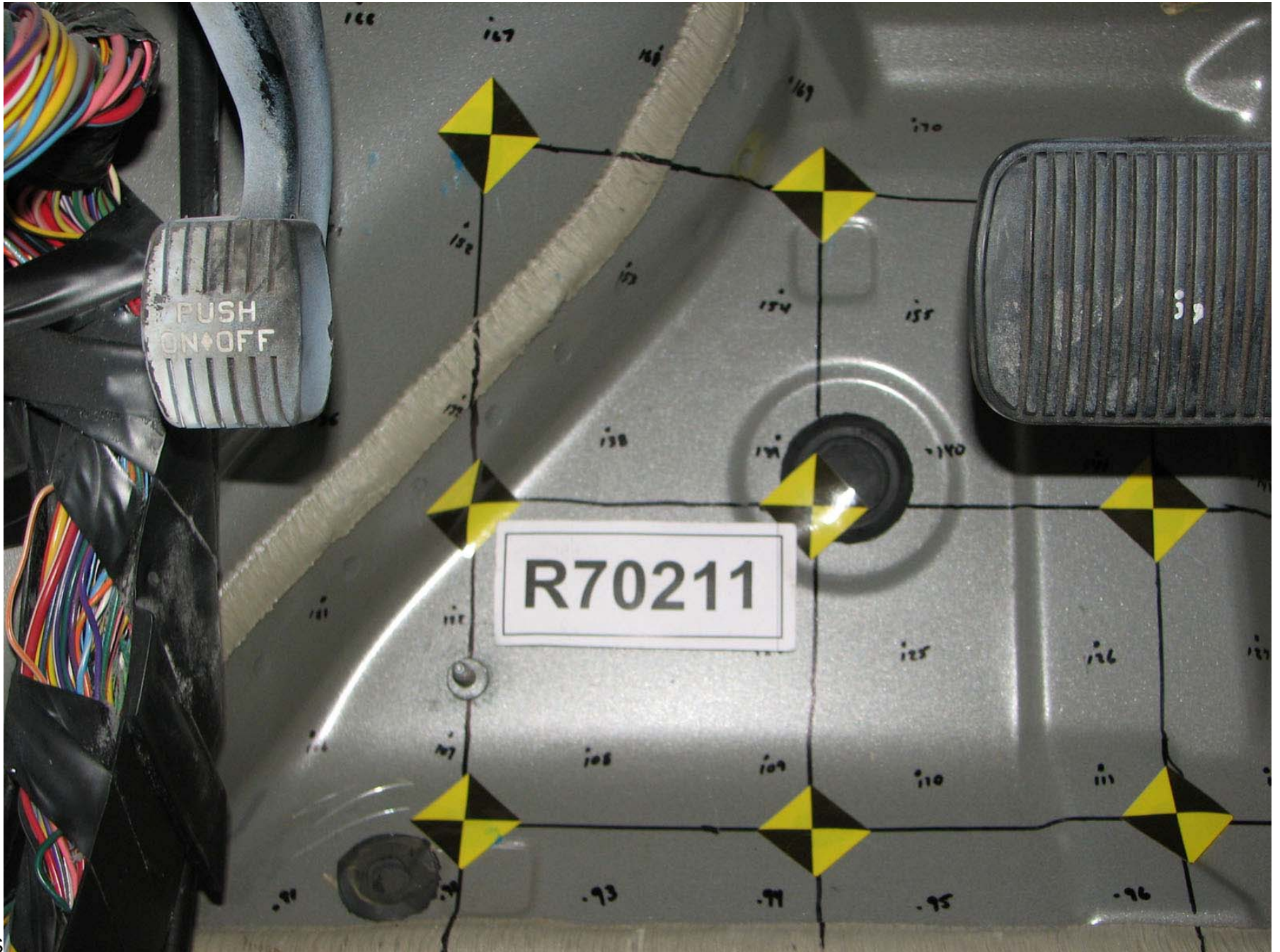


Figure A-334: Target Vehicle Pre-Test Foot Rest, Seat Cushion Height

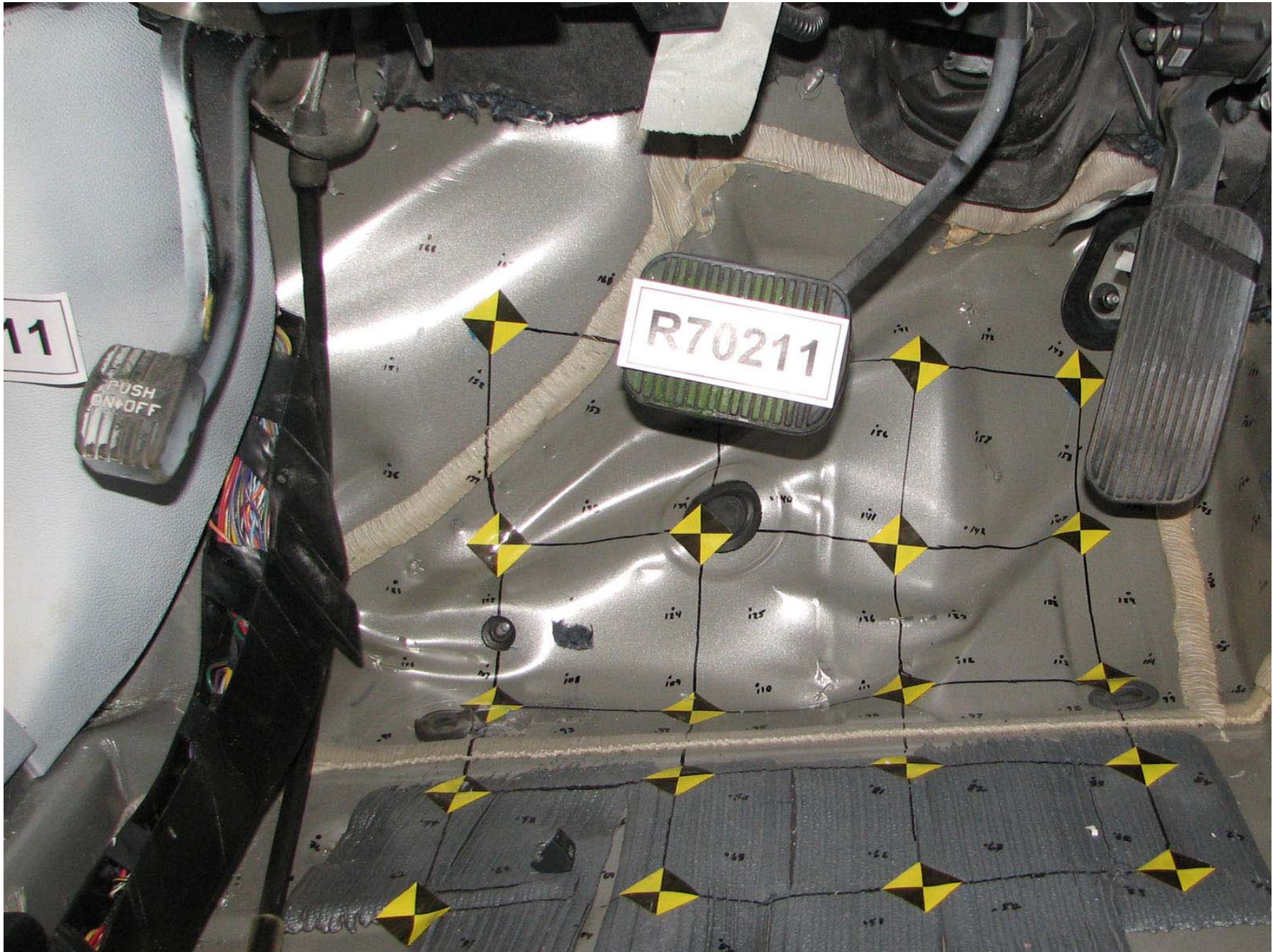


Figure A-335: Target Vehicle Post-Test Foot Rest, Seat Cushion Height

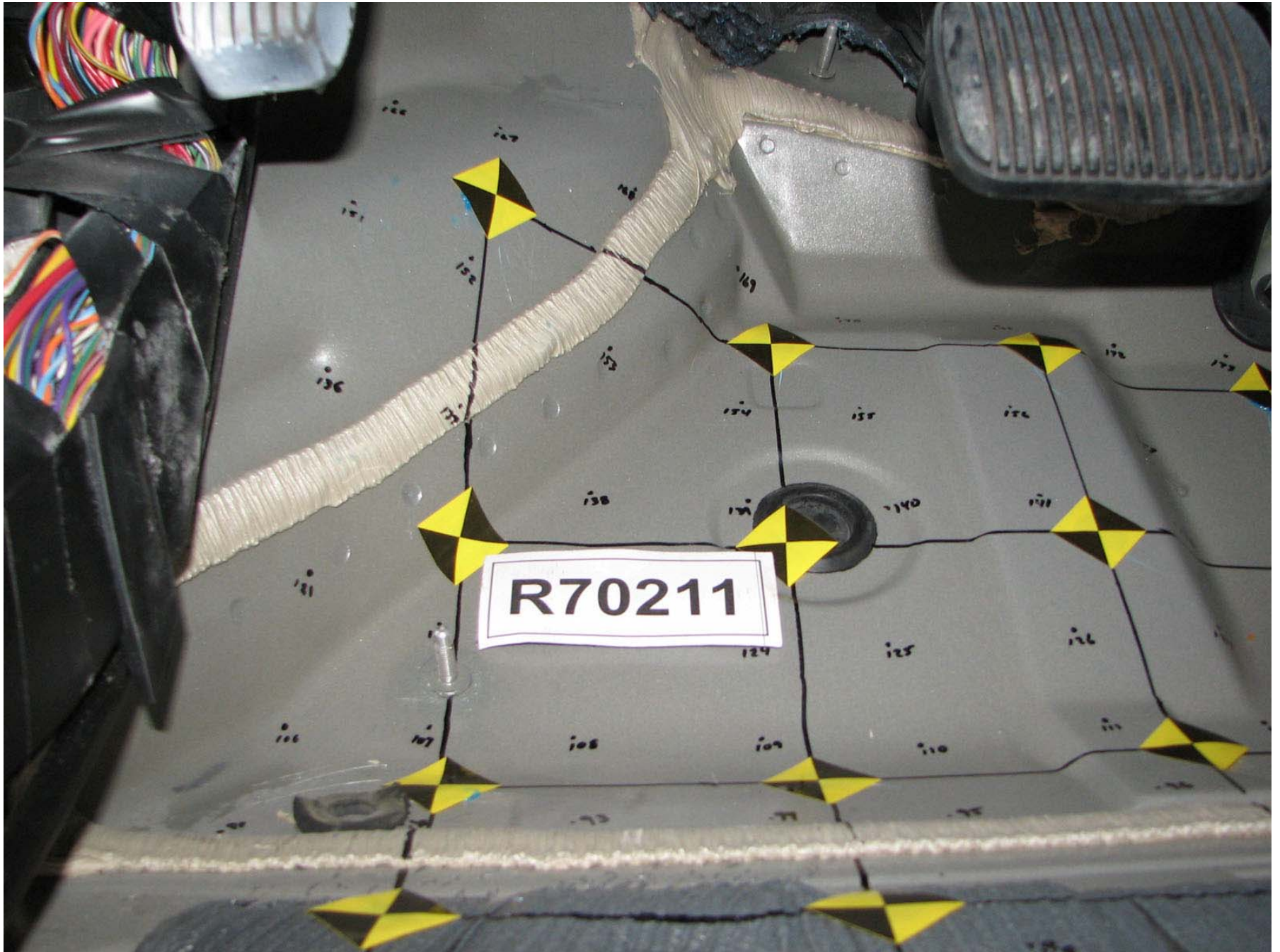


Figure A-336: Target Vehicle Pre-Test Foot Rest, Sill Height



Figure A-337: Target Vehicle Post-Test Foot Rest, Sill Height



Figure A-338: Target Vehicle Pre-Test Structural Member Crush Measurement



Figure A-339: Target Vehicle Post-Test Structural Member Crush Measurement



Figure A-340: Target Vehicle Pre-Test Structural Member Crush Measurement



Figure A-341: Target Vehicle Post-Test Structural Member Crush Measurement



Figure A-342: Target Vehicle Pre-Test Structural Member Crush Measurement



Figure A-343: Target Vehicle Post-Test Structural Member Crush Measurement



Figure A-344: Target Vehicle Pre-Test Structural Member Crush Measurement



Figure A-345: Target Vehicle Pre-Test Structural Member Crush Measurement



Figure A-346: Bullet Vehicle Pre-Test Front ¾ View of Left Side Doors



Figure A-347: Bullet Vehicle Post-Test Front $\frac{3}{4}$ View of Left Side Doors



Figure A-348: Bullet Vehicle Pre-Test Rear $\frac{3}{4}$ View of Left Side Doors



Figure A-349: Bullet Vehicle Post-Test Rear $\frac{3}{4}$ View of Left Side Doors



Figure A-350: Bullet Vehicle Pre-Test Front $\frac{3}{4}$ View of Right Side Doors



Figure A-351: Bullet Vehicle Post-Test Front ¾ View of Right Side Doors



Figure A-352: Bullet Vehicle Pre-Test Rear $\frac{3}{4}$ View of Right Side Doors



Figure A-353: Bullet Vehicle Post-Test Rear $\frac{3}{4}$ View of Right Side Doors



Figure A-354: Bullet Vehicle Pre-Test Left Front Door



Figure A-355: Bullet Vehicle Post-Test Left Front Door



Figure A-356: Bullet Vehicle Pre-Test Left Rear Door



Figure A-357: Bullet Vehicle Post-Test Left Rear Door



R70210
VOLPE 70 MPH
VEHICLE TO VEHICLE
15°, 50% OFFSET
01 / 08 / 09
2007 FORD
FIVE HUNDRED SEL
50TH THOR NT

Figure A-358: Bullet Vehicle Pre-Test Right Front Door



R70210
VOLPE 70 MPH
VEHICLE TO VEHICLE
15°, 50% OFFSET
01 / 08 / 09
2007 FORD
FIVE HUNDRED SEL
50TH THOR NT

Figure A-359: Bullet Vehicle Post-Test Right Front Door



Figure A-360: Bullet Vehicle Pre-Test Right Rear Door

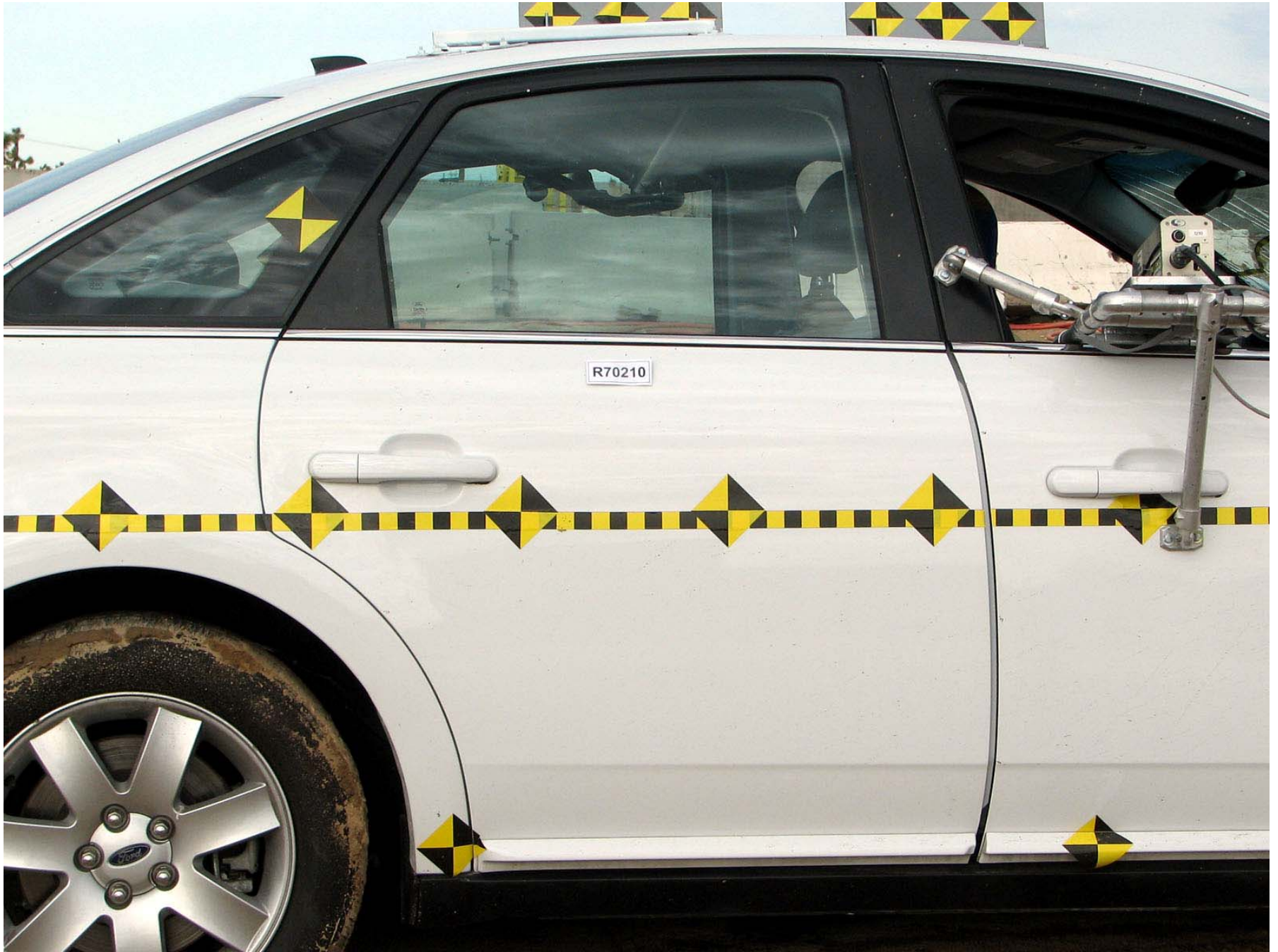


Figure A-361: Bullet Vehicle Post-Test Right Rear Door



Figure A-362: Bullet Vehicle Pre-Test Windshield View



Figure A-363: Bullet Vehicle Post-Test Windshield View



Figure A-364: Bullet Vehicle Pre-Test Engine Compartment View

A-364

TR-P29125-04-NC



Figure A-365: Bullet Vehicle Post-Test Engine Compartment View



Figure A-366: Bullet Vehicle Pre-Test Fuel Filler Cap View

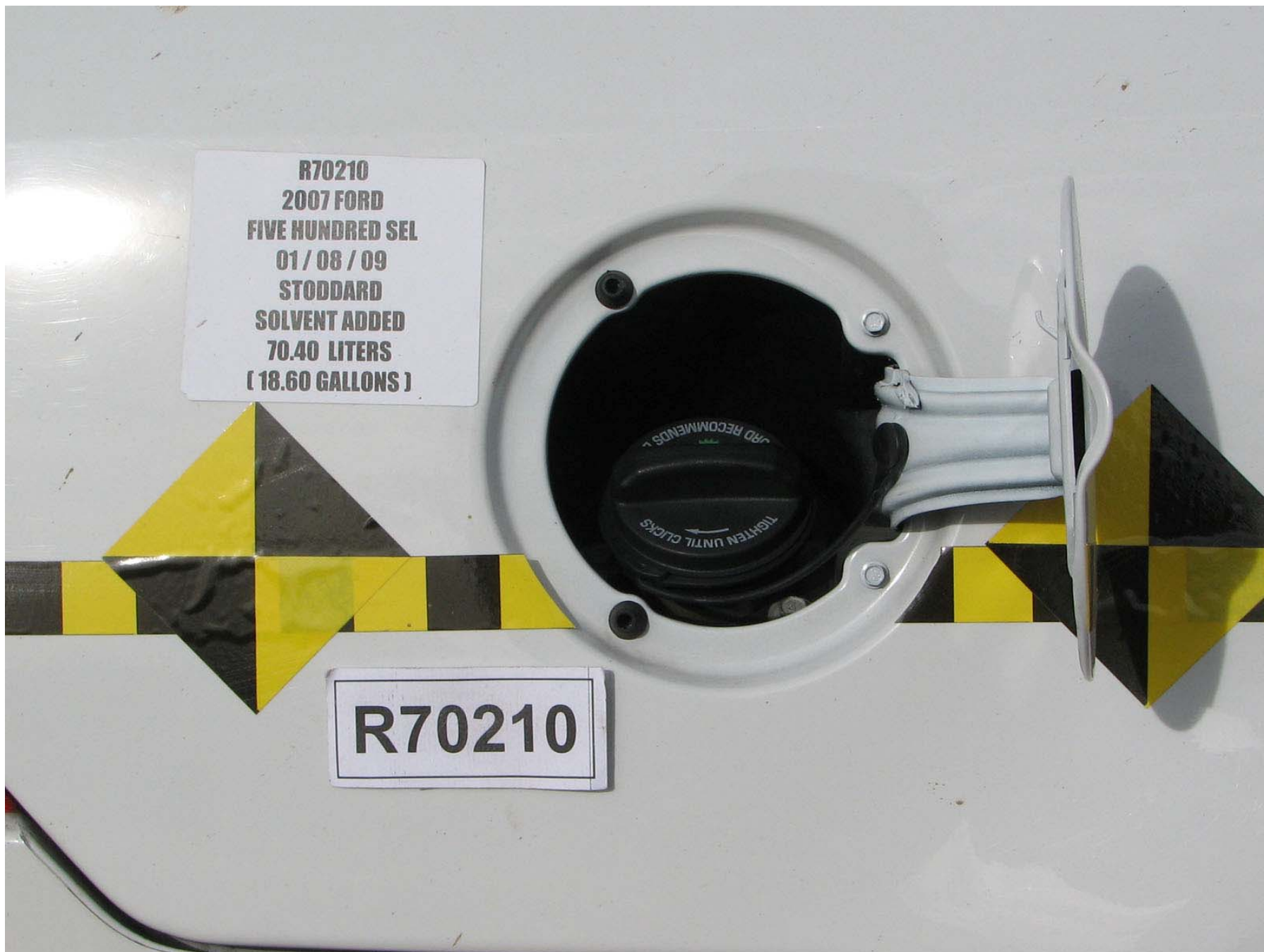


Figure A-367: Bullet Vehicle Post-Test Fuel Filler Cap View



Figure A-368: Bullet Vehicle Pre-Test Left Side A-Pillar Side View

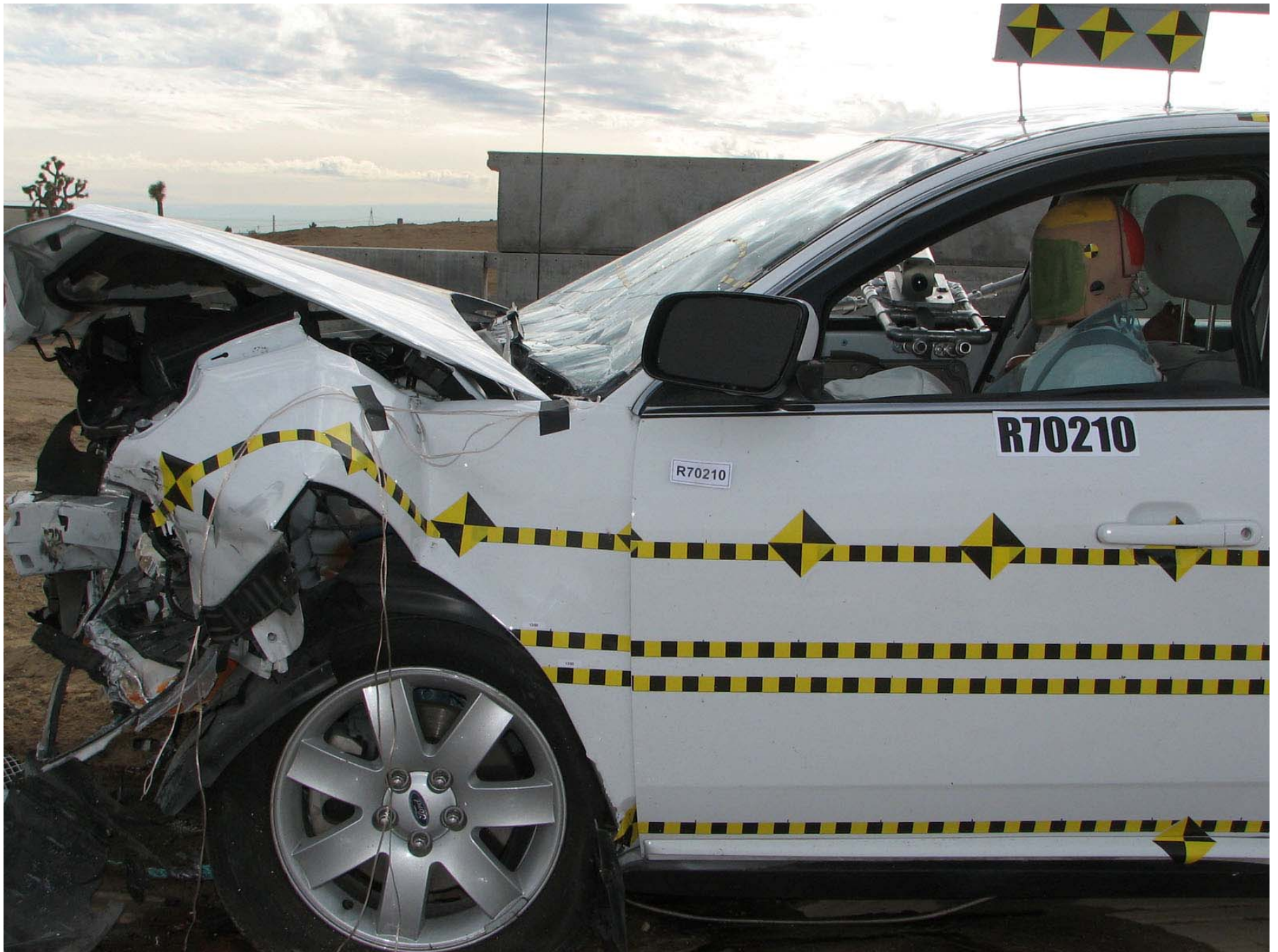


Figure A-369: Bullet Vehicle Post-Test Left Side A-Pillar Side View



Figure A-370: Bullet Vehicle Pre-Test Left Side A-Pillar Rear ¾ View



Figure A-371: Bullet Vehicle Post-Test Left Side A-Pillar Rear $\frac{3}{4}$ View



Figure A-372: Bullet Vehicle Pre-Test Left Side B-Pillar Side View



Figure A-373: Bullet Vehicle Post-Test Left Side B-Pillar Side View



Figure A-374: Bullet Vehicle Pre-Test Left Side B-Pillar Rear $\frac{3}{4}$ View



Figure A-375: Bullet Vehicle Post-Test Left Side B-Pillar Rear $\frac{3}{4}$ View



Figure A-376: Bullet Vehicle Pre-Test Left Side C-Pillar Side View

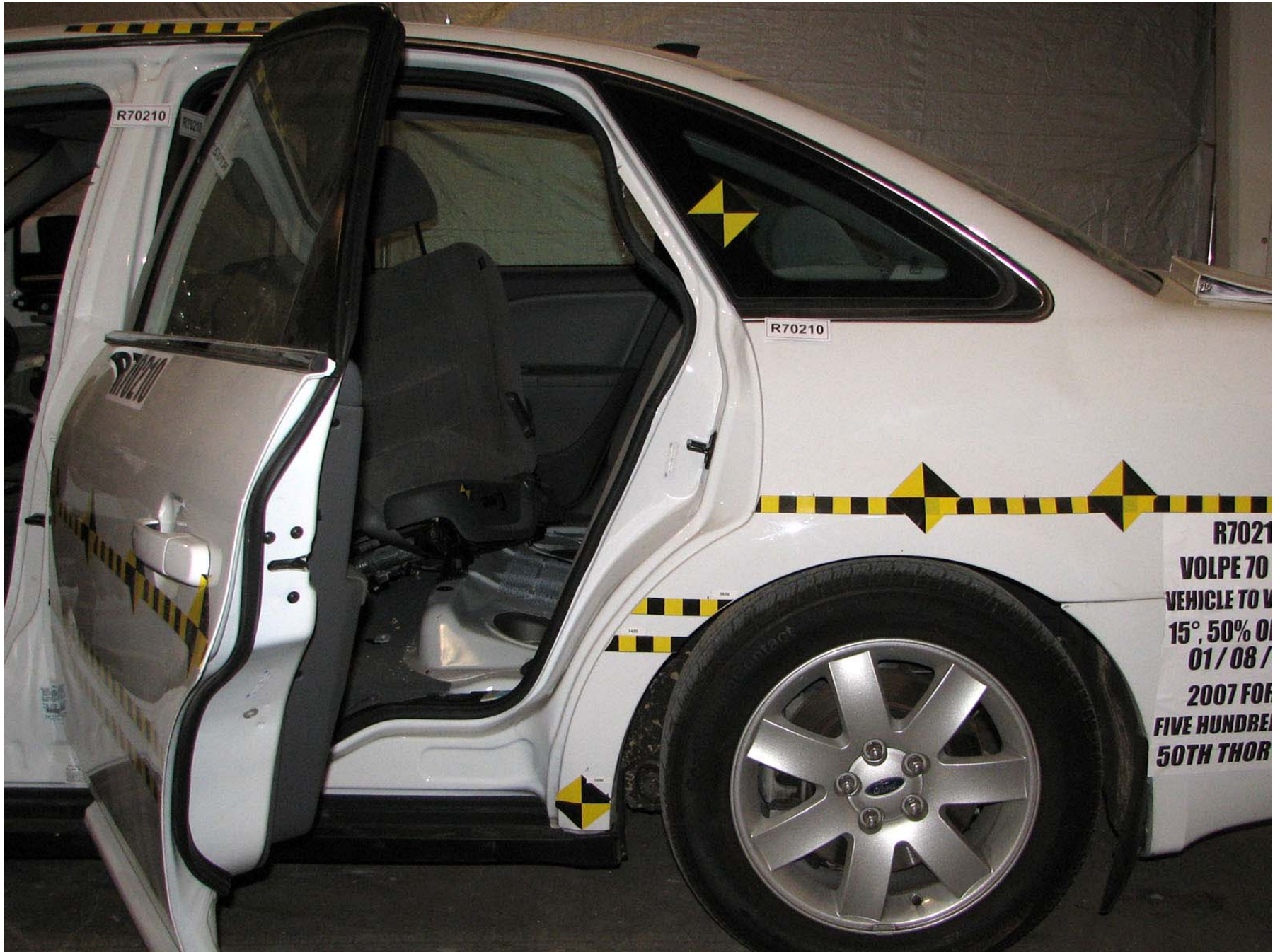


Figure A-377: Bullet Vehicle Post-Test Left Side C-Pillar Side View



Figure A-378: Bullet Vehicle Pre-Test Left Side C-Pillar Front $\frac{3}{4}$ View



Figure A-379: Bullet Vehicle Post-Test Left Side C-Pillar Front $\frac{3}{4}$ View



Figure A-380: Bullet Vehicle Pre-Test Left Front Sill Side View, Door Closed



Figure A-381: Bullet Vehicle Post-Test Left Front Sill Side View, Door Closed



Figure A-382: Bullet Vehicle Pre-Test Left Front Sill Side View, Door Open



Figure A-383: Bullet Vehicle Post-Test Left Front Sill Side View, Door Open



Figure A-384: Bullet Vehicle Pre-Test Left Front Sill Rear $\frac{3}{4}$ View, Door Closed



Figure A-385: Bullet Vehicle Post-Test Left Front Sill Rear $\frac{3}{4}$ View, Door Closed



Figure A-386: Bullet Vehicle Pre-Test Left Front Sill Rear ¾ View, Door Open



Figure A-387: Bullet Vehicle Post-Test Left Front Sill Rear $\frac{3}{4}$ View, Door Open



Figure A-388: Bullet Vehicle Pre-Test Left Rear Sill Side View, Door Closed



Figure A-389: Bullet Vehicle Post-Test Left Rear Sill Side View, Door Closed



Figure A-390: Bullet Vehicle Pre-Test Left Rear Sill Side View, Door Open



Figure A-391: Bullet Vehicle Post-Test Left Rear Sill Side View, Door Open



Figure A-392: Bullet Vehicle Pre-Test Left Rear Sill Rear $\frac{3}{4}$ View, Door Closed



Figure A-393: Bullet Vehicle Post-Test Left Rear Sill Rear $\frac{3}{4}$ View, Door Closed



Figure A-394: Bullet Vehicle Pre-Test Left Rear Sill Rear $\frac{3}{4}$ View, Door Open



Figure A-395: Bullet Vehicle Post-Test Left Rear Sill Rear $\frac{3}{4}$ View, Door Open

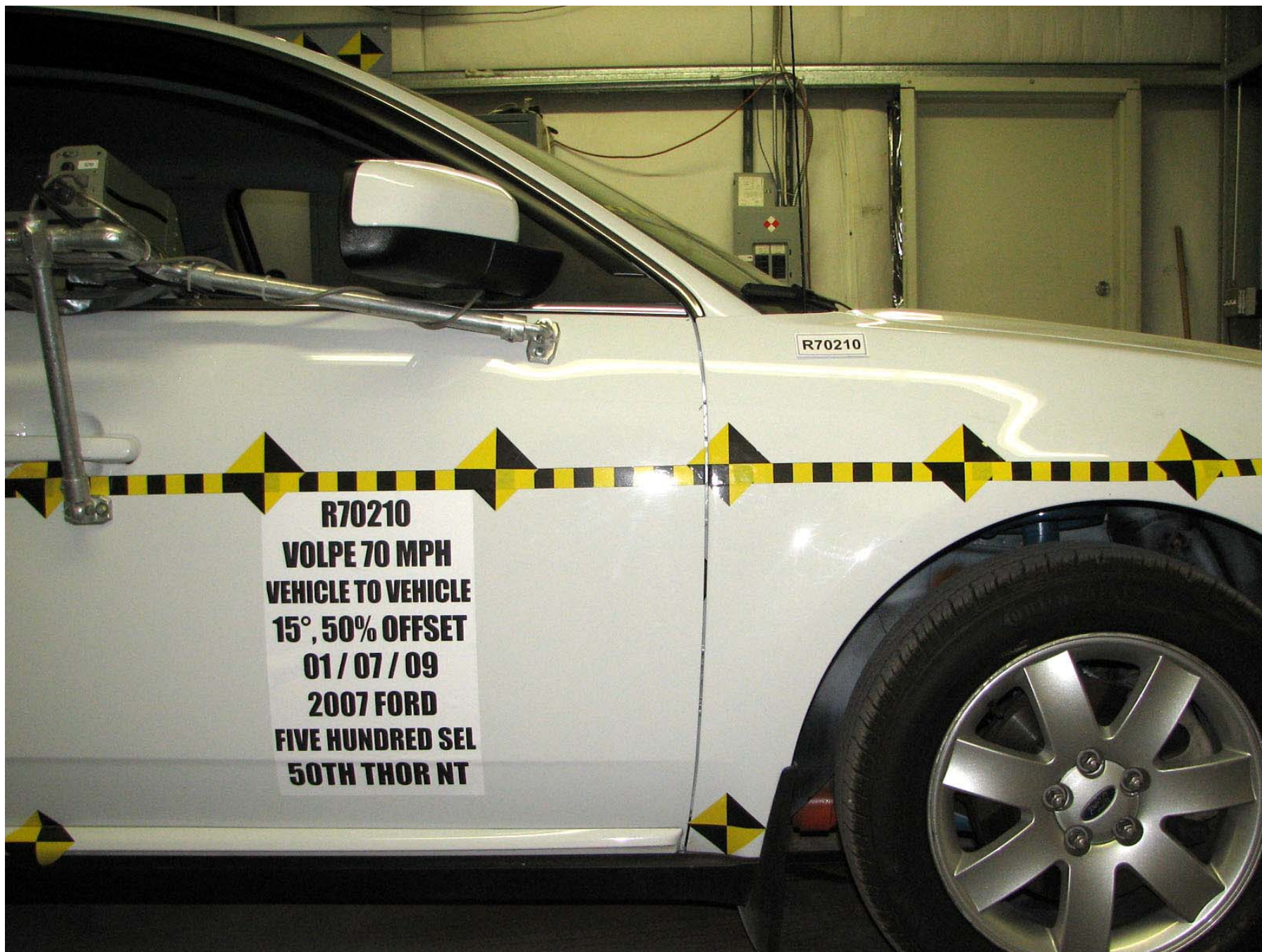


Figure A-396: Bullet Vehicle Pre-Test Right Side A-Pillar Side View



Figure A-397: Bullet Vehicle Post-Test Right Side A-Pillar Side View



Figure A-398: Bullet Vehicle Pre-Test Right Side A-Pillar Rear $\frac{3}{4}$ View



Figure A-399: Bullet Vehicle Post-Test Right Side A-Pillar Rear ¾ View



Figure A-400: Bullet Vehicle Pre-Test Right Side B-Pillar Side View



Figure A-401: Bullet Vehicle Post-Test Right Side B-Pillar Side View



Figure A-402: Bullet Vehicle Pre-Test Right Side B-Pillar Rear $\frac{3}{4}$ View



Figure A-403: Bullet Vehicle Post-Test Right Side B-Pillar Rear 3/4 View



Figure A-404: Bullet Vehicle Pre-Test Right Side C-Pillar Side View



Figure A-405: Bullet Vehicle Post-Test Right Side C-Pillar Side View



Figure A-406: Bullet Vehicle Pre-Test Right Side C-Pillar Front $\frac{3}{4}$ View

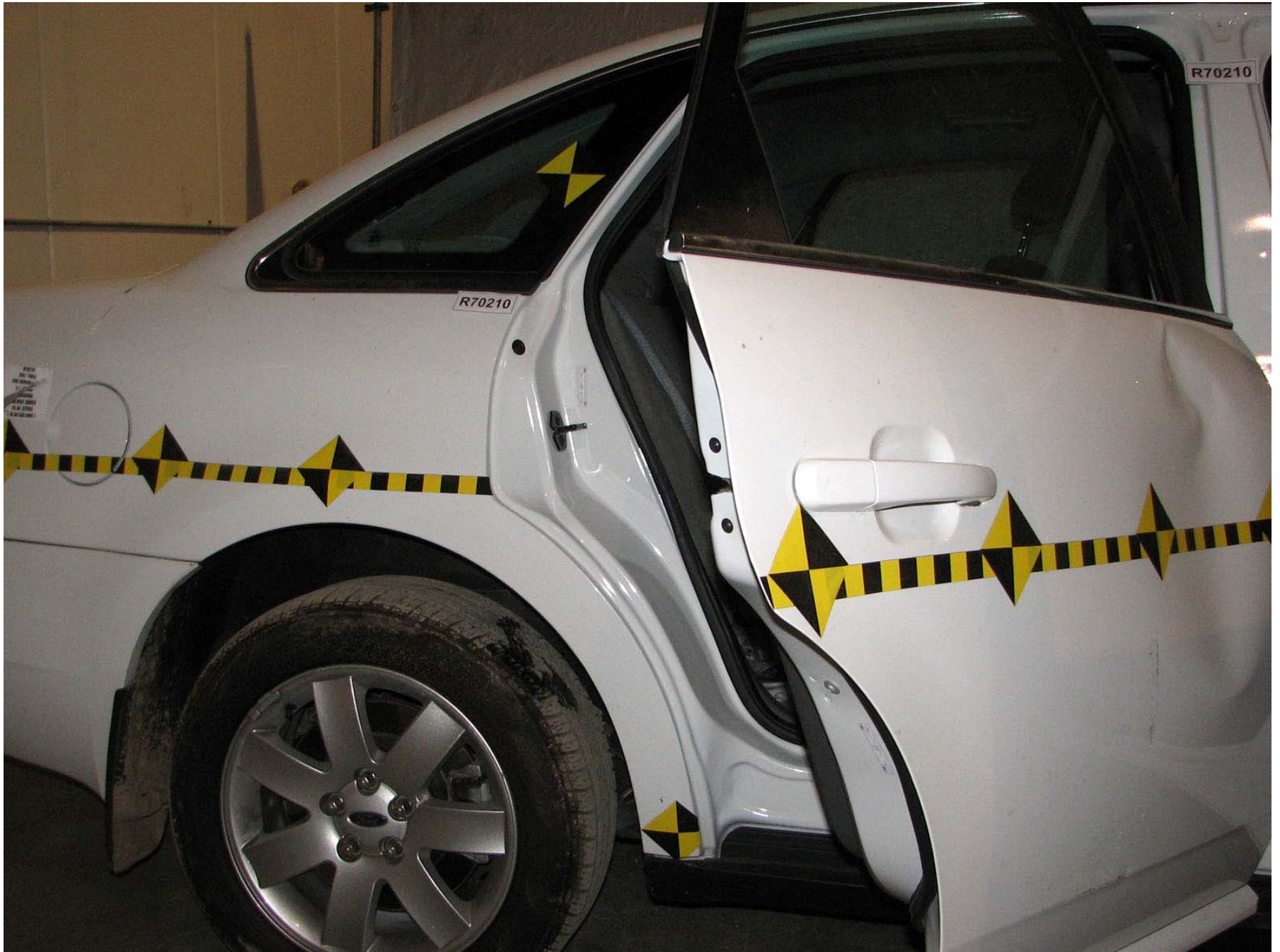


Figure A-407: Bullet Vehicle Post-Test Right Side C-Pillar Front $\frac{3}{4}$ View



Figure A-408: Bullet Vehicle Pre-Test Right Front Sill Side View, Door Closed



Figure A-409: Bullet Vehicle Post-Test Right Front Sill Side View, Door Closed



Figure A-410: Bullet Vehicle Pre-Test Right Front Sill Side View, Door Open



Figure A-411: Bullet Vehicle Post-Test Right Front Sill Side View, Door Open



Figure A-412: Bullet Vehicle Pre-Test Right Front Sill Rear $\frac{3}{4}$ View, Door Closed



Figure A-413: Bullet Vehicle Post-Test Right Front Sill Rear $\frac{3}{4}$ View, Door Closed



Figure A-414: Bullet Vehicle Pre-Test Right Front Sill Rear $\frac{3}{4}$ View, Door Open



Figure A-415: Bullet Vehicle Post-Test Right Front Sill Rear $\frac{3}{4}$ View, Door Open



Figure A-416: Bullet Vehicle Pre-Test Right Rear Sill Side View, Door Closed



Figure A-417: Bullet Vehicle Post-Test Right Rear Sill Side View, Door Closed



Figure A-418: Bullet Vehicle Pre-Test Right Rear Sill Side View, Door Open



Figure A-419: Bullet Vehicle Post-Test Right Rear Sill Side View, Door Open



Figure A-420: Bullet Vehicle Pre-Test Right Rear Sill Rear $\frac{3}{4}$ View, Door Closed



Figure A-421: Bullet Vehicle Post-Test Right Rear Sill Rear $\frac{3}{4}$ View, Door Closed



Figure A-422: Bullet Vehicle Pre-Test Right Rear Sill Rear $\frac{3}{4}$ View, Door Open



Figure A-423: Bullet Vehicle Post-Test Right Rear Sill Rear $\frac{3}{4}$ View, Door Open



Figure A-424: Bullet Vehicle Pre-Test Left Front Wheel Side View



Figure A-425: Bullet Vehicle Post-Test Left Front Wheel Side View



Figure A-426: Bullet Vehicle Pre-Test Left Front Wheel Front $\frac{3}{4}$ View



Figure A-427: Bullet Vehicle Post-Test Left Front Wheel Front $\frac{3}{4}$ View



Figure A-428: Bullet Vehicle Pre-Test Left Front Wheel Rear $\frac{3}{4}$ View



Figure A-429: Bullet Vehicle Post-Test Left Front Wheel Rear $\frac{3}{4}$ View



Figure A-430: Bullet Vehicle Pre-Test Left Front Wheel Top View



Figure A-431: Bullet Vehicle Post-Test Left Front Wheel Top View



Figure A-432: Bullet Vehicle Post-Test Left Front Wheel A-Pillar/Rocker Contact



Figure A-433: Bullet Vehicle Post-Test Left Front Wheel A-Pillar/Rocker Contact



Figure A-434: Bullet Vehicle Post-Test Left Front Wheel A-Pillar/Rocker Contact



Figure A-435: Bullet Vehicle Post-Test Left Front Wheel Damage (Outside)



Figure A-436: Bullet Vehicle Post-Test Left Front Wheel Damage (Inside)



Figure A-437: Bullet Vehicle Pre-Test Right Front Wheel Side View



Figure A-438: Bullet Vehicle Post-Test Right Front Wheel Side View



Figure A-439: Bullet Vehicle Pre-Test Right Front Wheel Front $\frac{3}{4}$ View



Figure A-440: Bullet Vehicle Post-Test Right Front Wheel Front $\frac{3}{4}$ View



Figure A-441: Bullet Vehicle Pre-Test Right Front Wheel Rear $\frac{3}{4}$ View



Figure A-442: Bullet Vehicle Post-Test Right Front Wheel Rear $\frac{3}{4}$ View



Figure A-443: Bullet Vehicle Pre-Test Right Front Wheel Top View



Figure A-444: Bullet Vehicle Post-Test Right Front Wheel Top View



Figure A-445: Bullet Vehicle Post-Test Right Front Wheel A-Pillar/Rocker Contact



Figure A-446: Bullet Vehicle Post-Test Right Front Wheel A-Pillar/Rocker Contact



Figure A-447: Bullet Vehicle Post-Test Right Front Wheel A-Pillar/Rocker Contact



Figure A-448: Bullet Vehicle Post-Test Right Front Wheel Damage (Outside)



Figure A-449: Bullet Vehicle Post-Test Right Front Wheel Damage (Inside)



Figure A-450: Bullet Vehicle Pre-Test Left Front Wheel Well (Tire On)



Figure A-451: Bullet Vehicle Post-Test Left Front Wheel Well (Tire On)

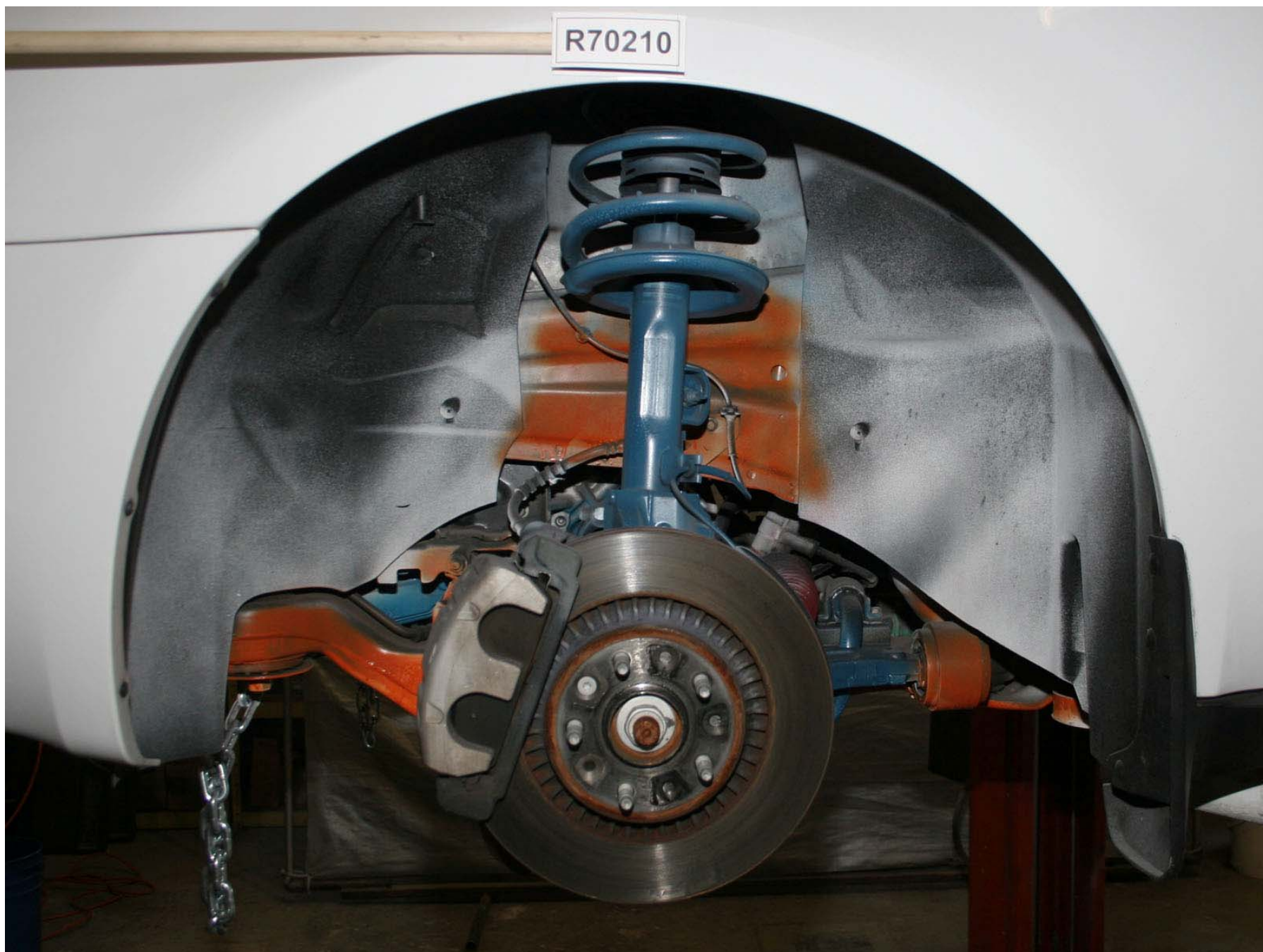


Figure A-452: Bullet Vehicle Pre-Test Left Front Wheel Well (Tire Off)



Figure A-453: Bullet Vehicle Post-Test Left Front Wheel Well (Tire Off)

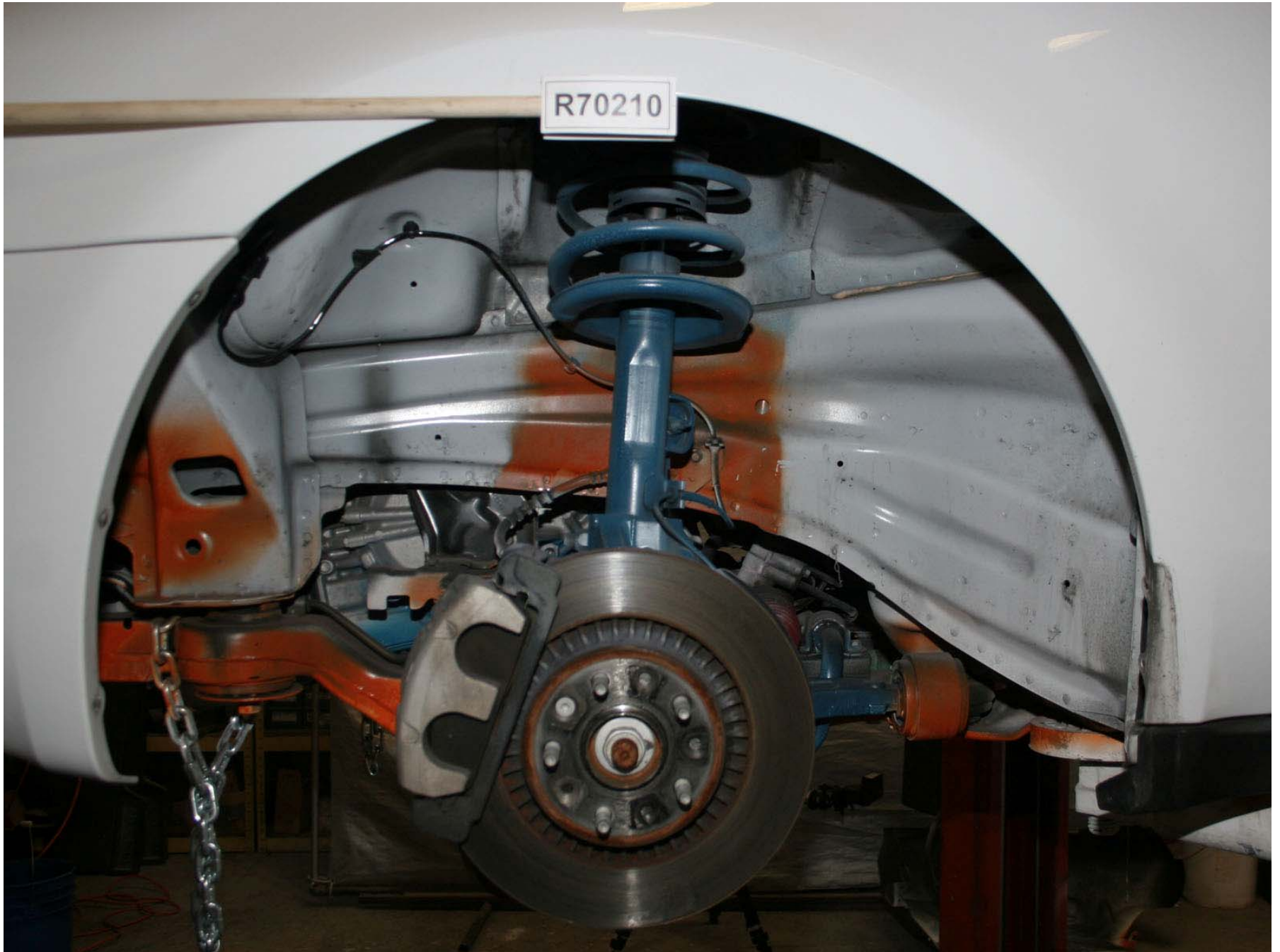


Figure A-454: Bullet Vehicle Pre-Test Left Front Wheel Well (Tire Off), Inner Fender Removed



Figure A-455: Bullet Vehicle Post-Test Left Front Wheel Well (Tire Off), Inner Fender Removed

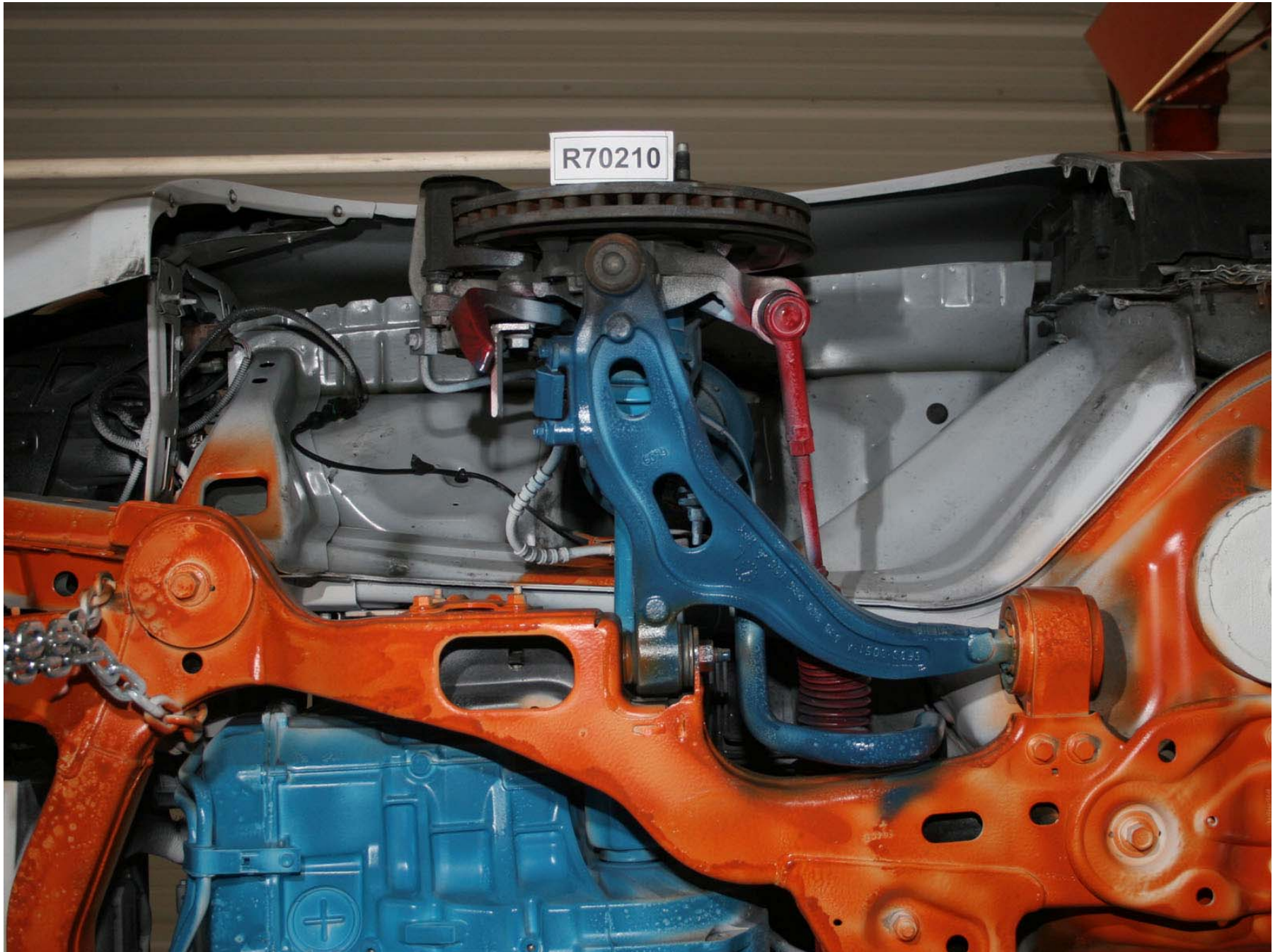


Figure A-456: Bullet Vehicle Pre-Test Left Inner Fender Well View

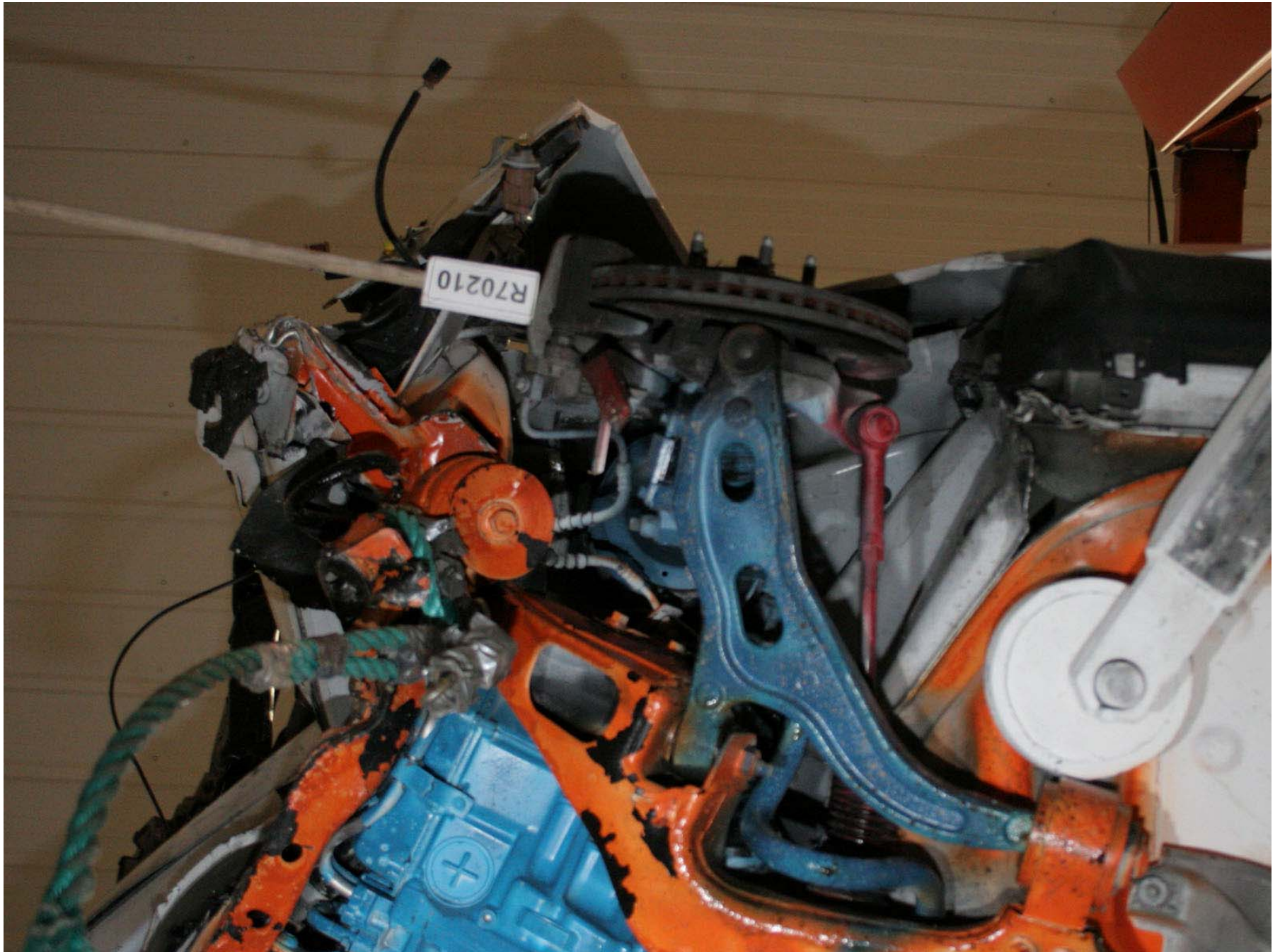


Figure A-457: Bullet Vehicle Post-Test Left Inner Fender Well View

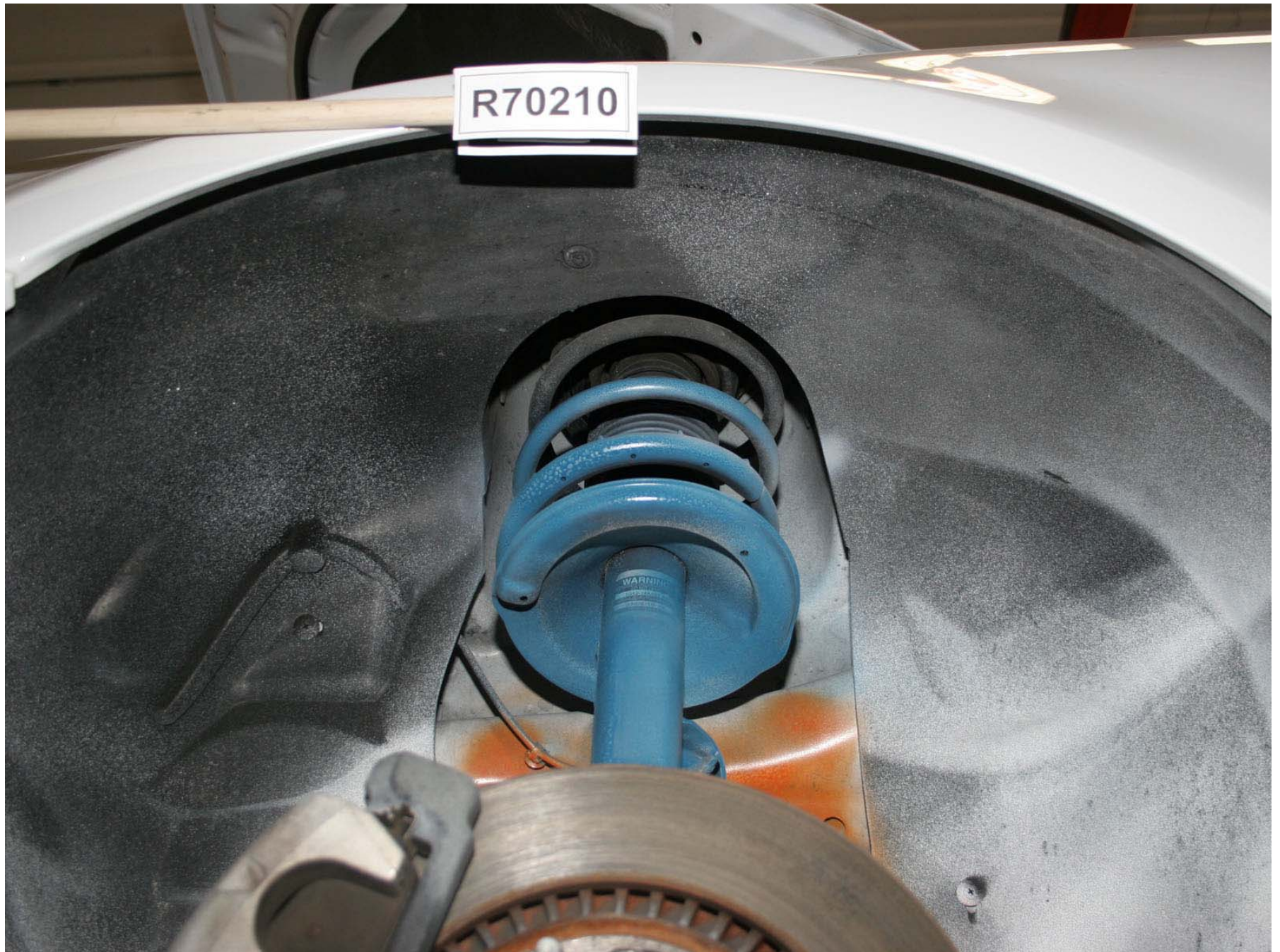


Figure A-458: Bullet Vehicle Pre-Test Left Inner Fender Well View



Figure A-459: Bullet Vehicle Post-Test Left Inner Fender Well View



Figure A-460: Bullet Vehicle Pre-Test Left Inner Fender Well View



Figure A-461: Bullet Vehicle Post-Test Left Inner Fender Well View



Figure A-462: Bullet Vehicle Pre-Test Top Fender View



Figure A-463: Bullet Vehicle Post-Test Top Fender View



Figure A-464: Bullet Vehicle Pre-Test Left Front Frame Rail View



Figure A-465: Bullet Vehicle Post-Test Left Front Frame Rail View



Figure A-466: Bullet Vehicle Pre-Test Left Front Frame Rail View

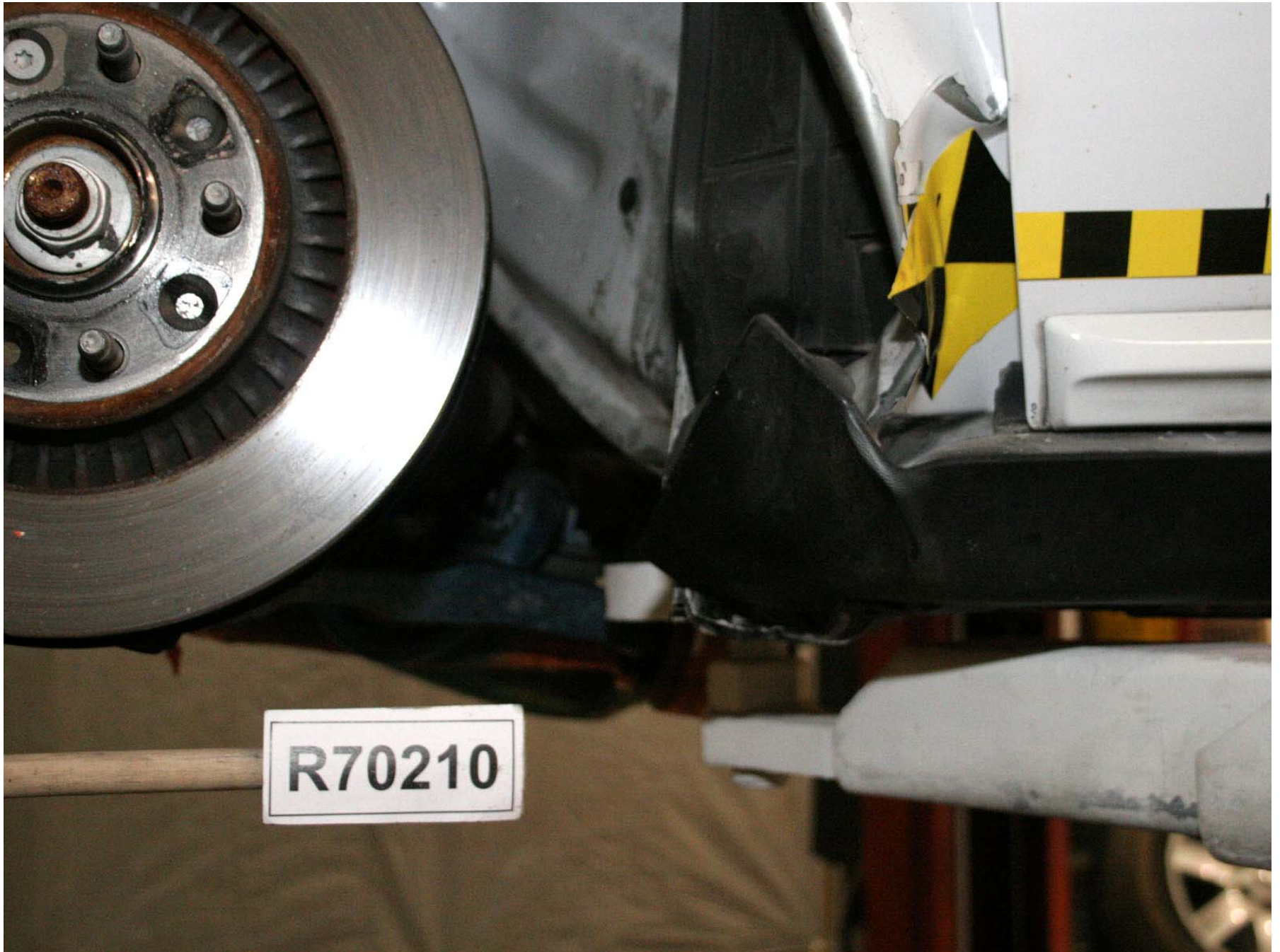


Figure A-467: Bullet Vehicle Post-Test Left Front Frame Rail View

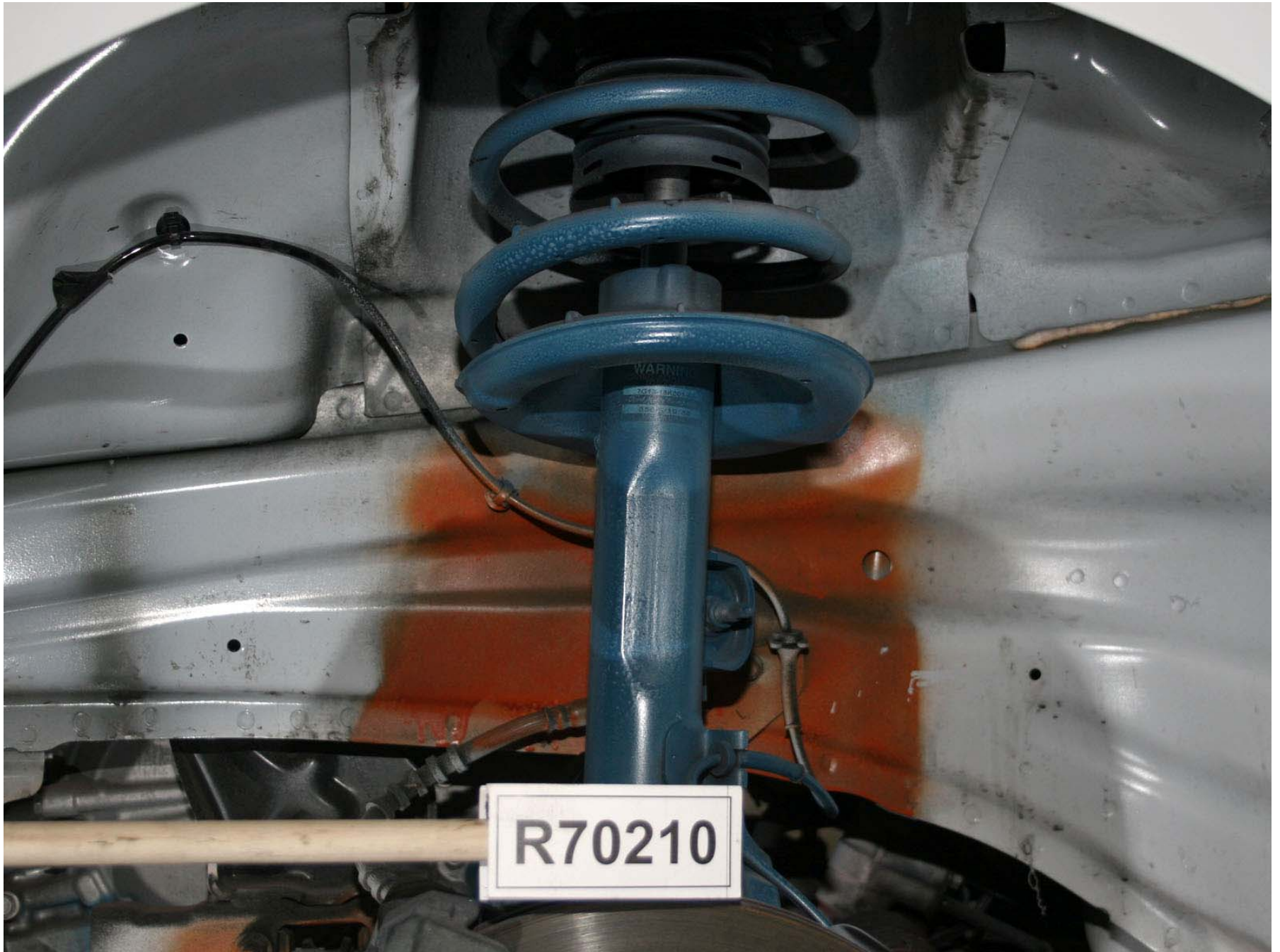


Figure A-468: Bullet Vehicle Pre-Test Left Front Frame Rail View



Figure A-469: Bullet Vehicle Post-Test Left Front Frame Rail View



Figure A-470: Bullet Vehicle Pre-Test Left Side Tie Rod and Sway Bar Attachments Points



Figure A-471: Bullet Vehicle Post-Test Left Side Tie Rod and Sway Bar Attachments Points

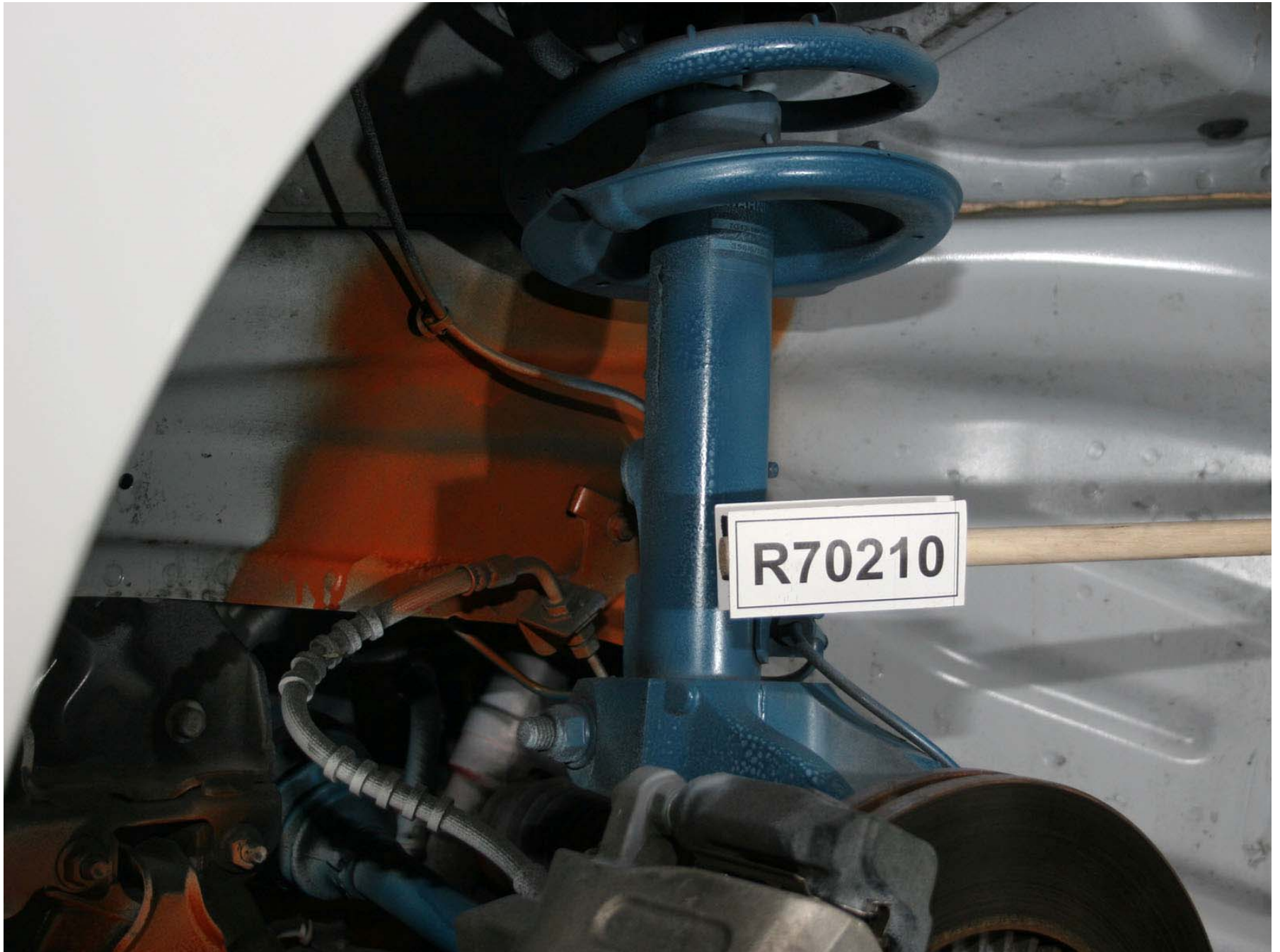


Figure A-472: Bullet Vehicle Pre-Test Left Side Upper Sway Bar Attachment Point

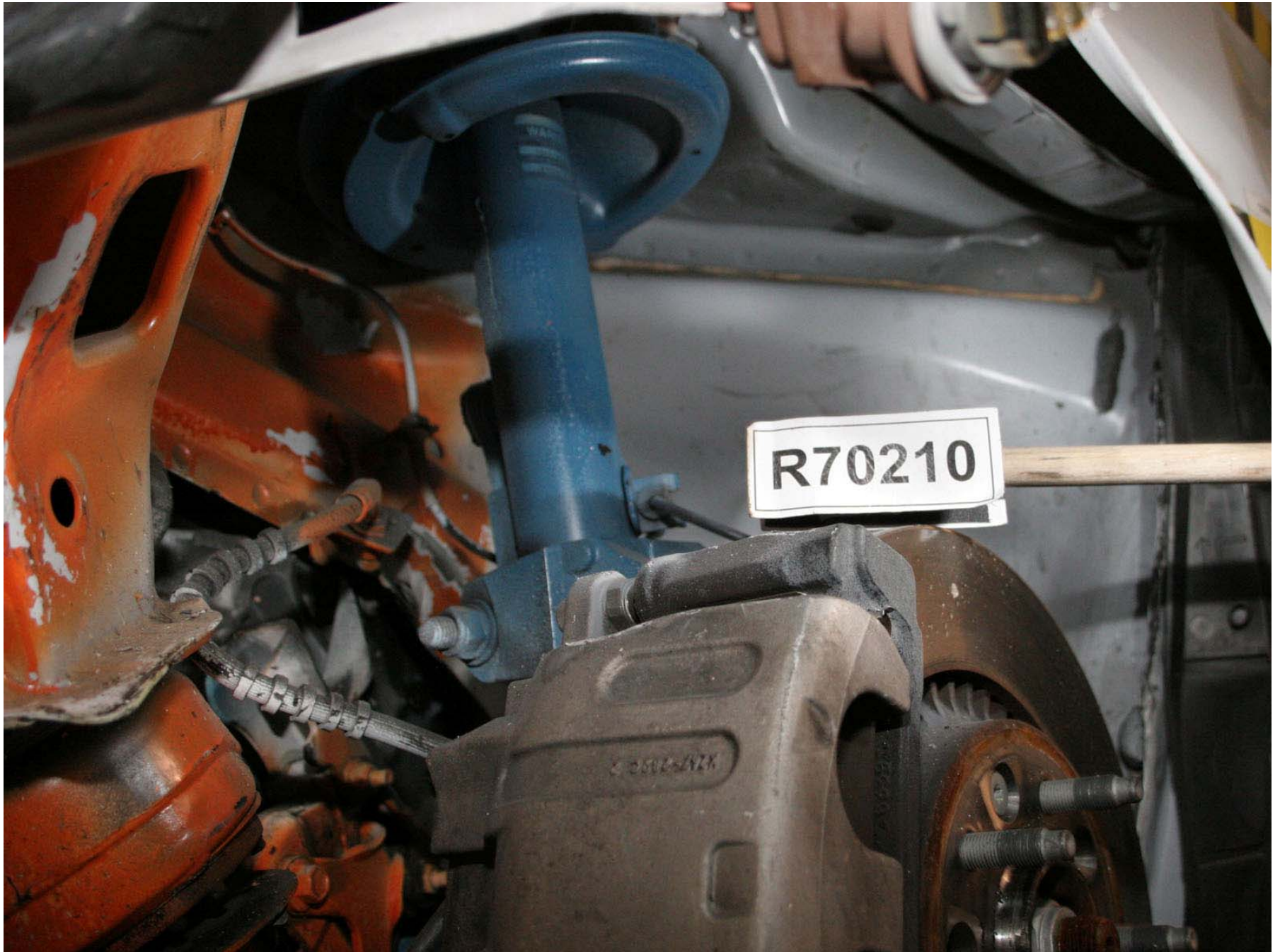


Figure A-473: Bullet Vehicle Post-Test Left Side Upper Sway Bar Attachment Point



Figure A-474: Bullet Vehicle Pre-Test Left Side Frame to A-Pillar Joint



Figure A-475: Bullet Vehicle Post-Test Left Side Frame to A-Pillar Joint

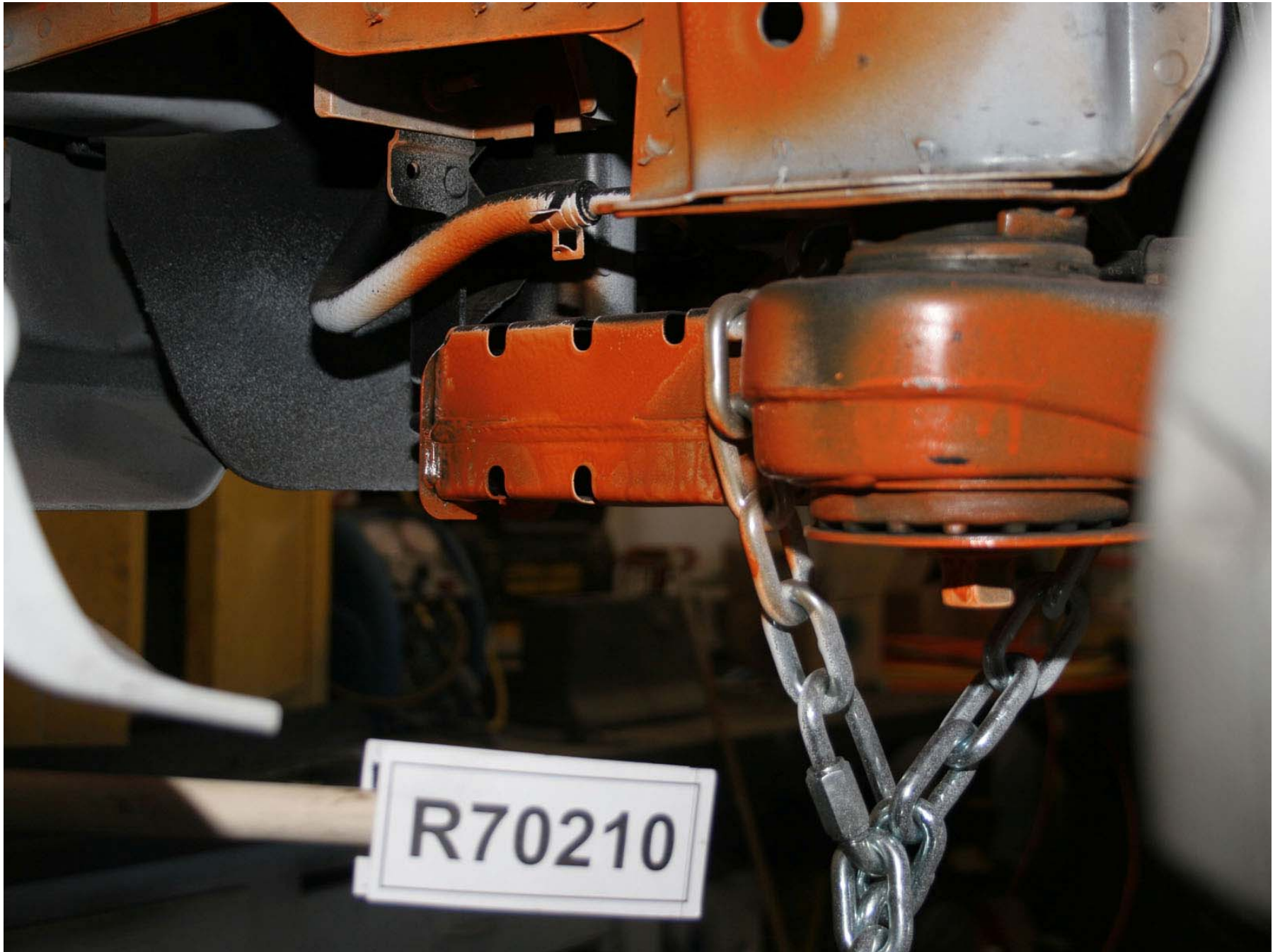


Figure A-476: Bullet Vehicle Pre-Test Left Side Crush Initiators



Figure A-477: Bullet Vehicle Post-Test Left Side Crush Initiators

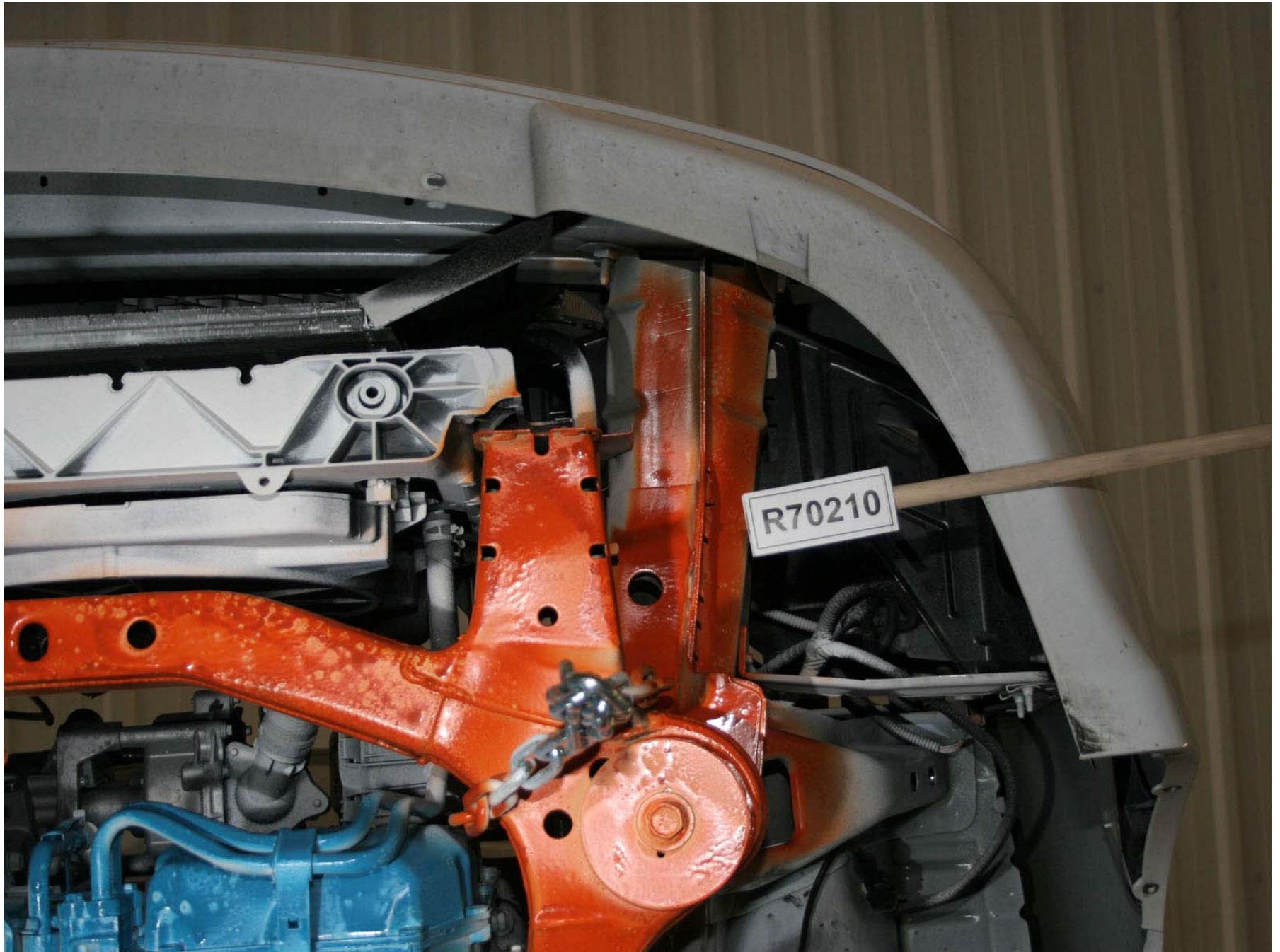


Figure A-478: Bullet Vehicle Pre-Test Left Side Crush Initiators

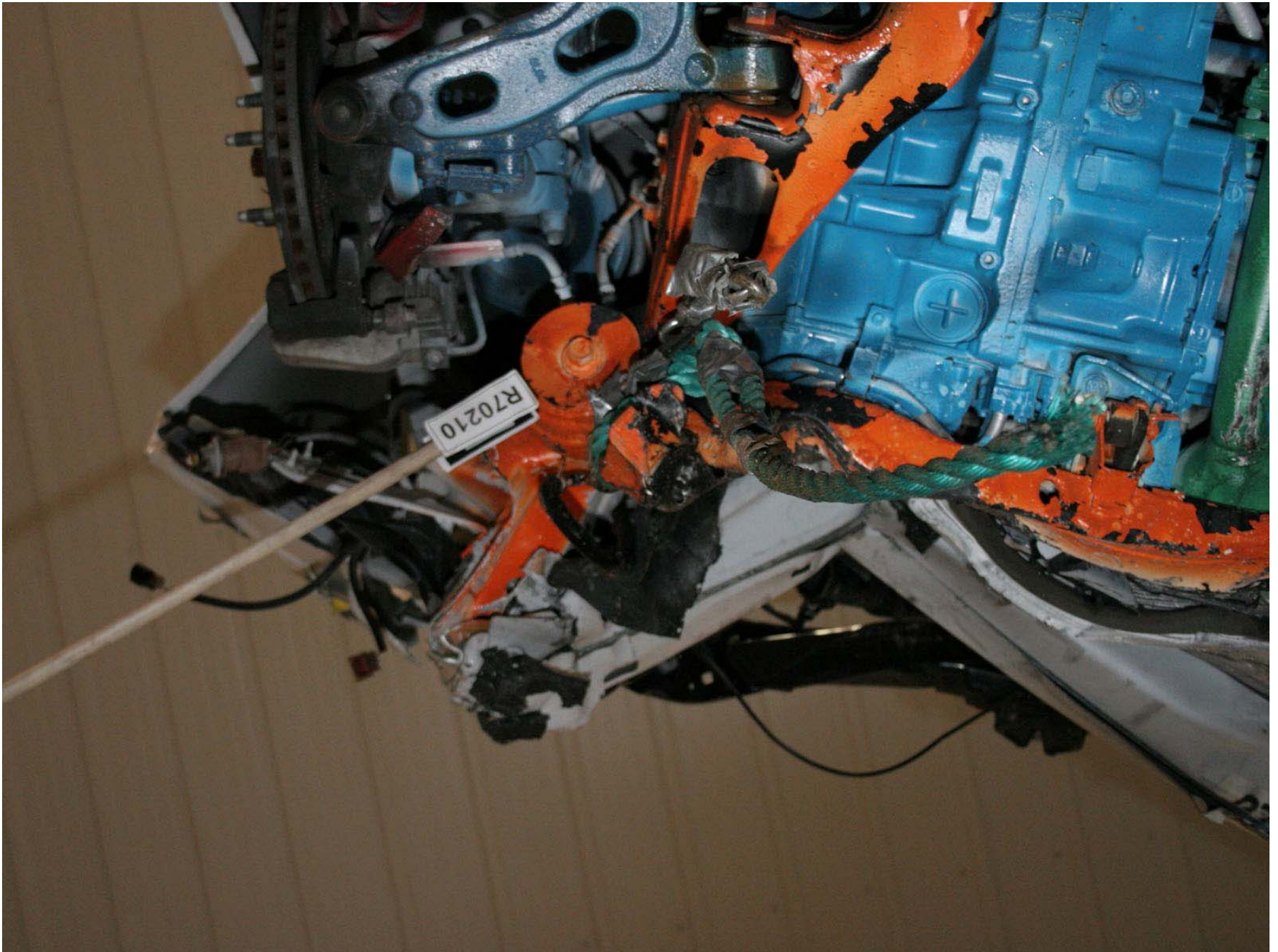


Figure A-479: Bullet Vehicle Post-Test Left Side Crush Initiators

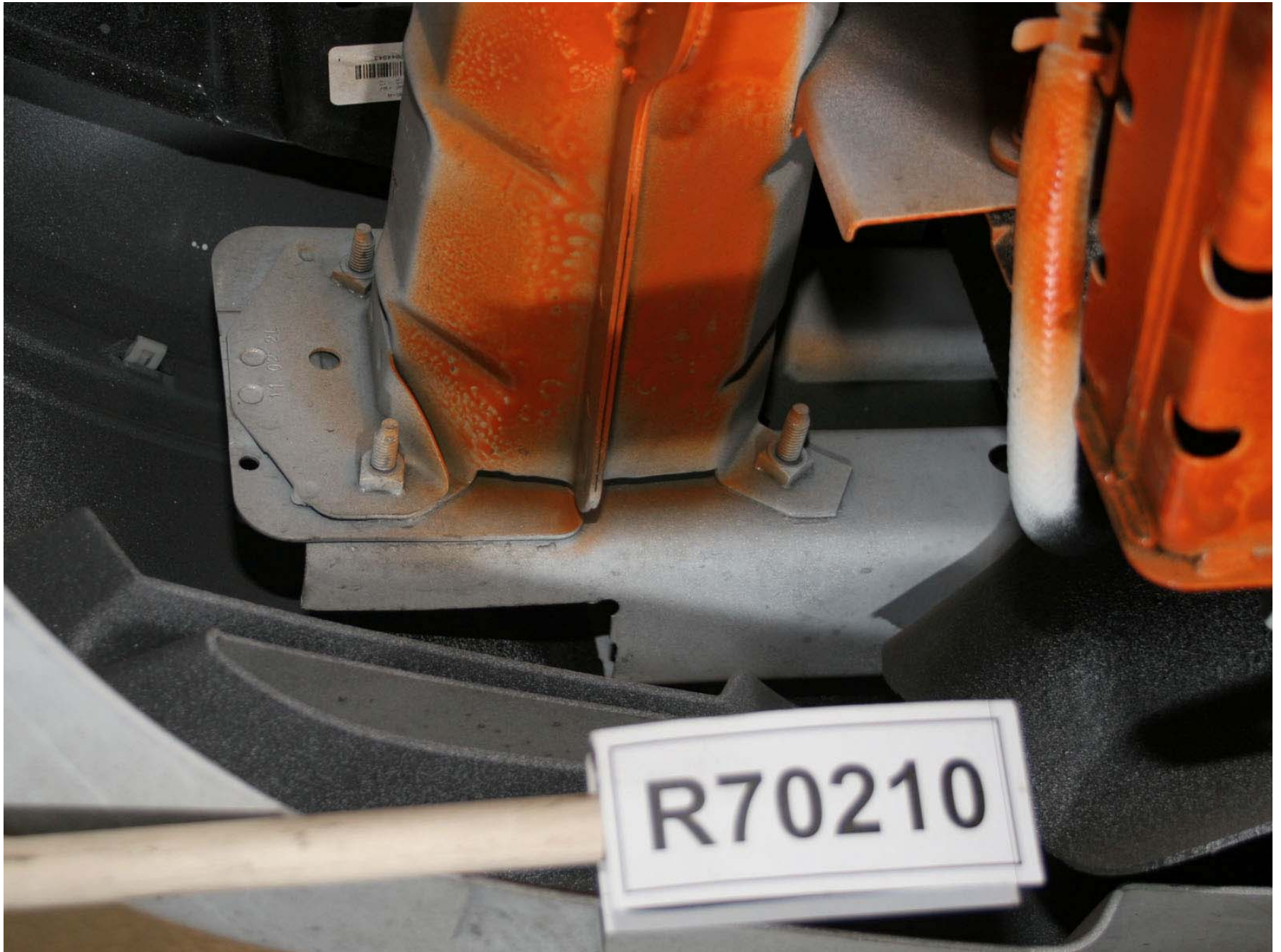


Figure A-480: Bullet Vehicle Pre-Test Left Side Bumper Attachment Point



Figure A-481: Bullet Vehicle Post-Test Left Side Bumper Attachment Point

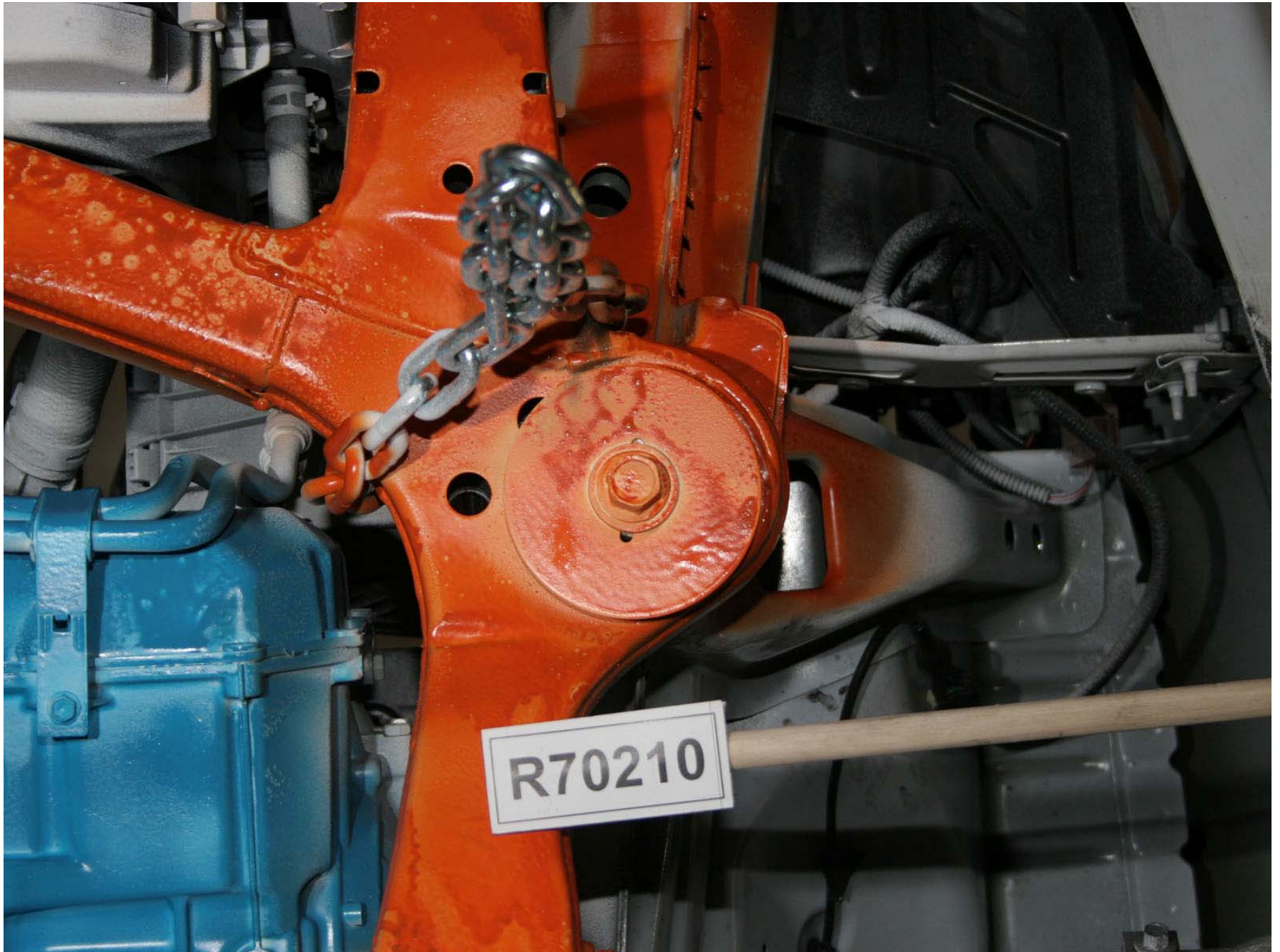


Figure A-482: Bullet Vehicle Pre-Test Left Front Sub-Frame Mounting Point



Figure A-483: Bullet Vehicle Post-Test Left Front Sub-Frame Mounting Point



Figure A-484: Bullet Vehicle Pre-Test Left Rear Sub-Frame Mounting Point



Figure A-485: Bullet Vehicle Post-Test Left Rear Sub-Frame Mounting Point



Figure A-486: Bullet Vehicle Pre-Test Right Front Wheel Well (Tire On)



Figure A-487: Bullet Vehicle Post-Test Right Front Wheel Well (Tire On)



Figure A-488: Bullet Vehicle Pre-Test Right Front Wheel Well (Tire Off)



Figure A-489: Bullet Vehicle Post-Test Right Front Wheel Well (Tire Off)



Figure A-490: Bullet Vehicle Pre-Test Right Front Wheel Well (Tire Off), Inner Fender Removed



Figure A-491: Bullet Vehicle Post-Test Right Front Wheel Well (Tire Off), Inner Fender Removed



Figure A-492: Bullet Vehicle Pre-Test Right Inner Fender Well View



Figure A-493: Test Vehicle Post-Test Right Inner Fender Well View

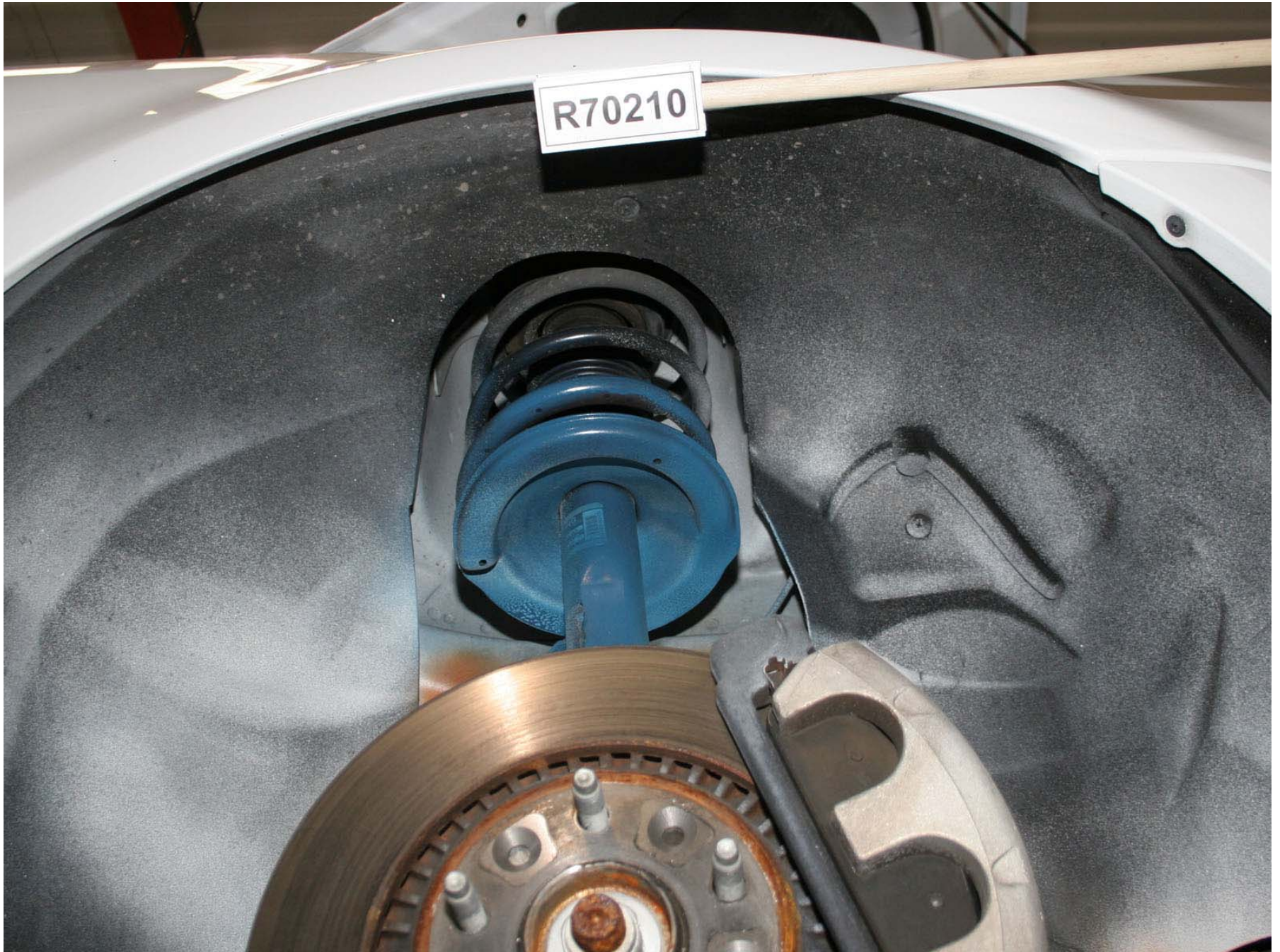


Figure A-494: Test Vehicle Pre-Test Right Inner Fender Well View



Figure A-495: Bullet Vehicle Post-Test Right Inner Fender Well View



Figure A-496: Bullet Vehicle Pre-Test Right Inner Fender Well View



Figure A-497: Bullet Vehicle Post-Test Right Inner Fender Well View



Figure A-498: Bullet Vehicle Pre-Test Top Fender View



Figure A-499: Bullet Vehicle Post-Test Top Fender View



Figure A-500: Bullet Vehicle Pre-Test Right Front Frame Rail View



Figure A-501: Bullet Vehicle Post-Test Right Front Frame Rail View



Figure A-502: Bullet Vehicle Pre-Test Right Front Frame Rail View



Figure A-503: Test Vehicle Post-Test Right Front Frame Rail View



Figure A-504: Bullet Vehicle Pre-Test Right Front Frame Rail View



Figure A-505: Bullet Vehicle Post-Test Right Front Frame Rail View



Figure A-506: Bullet Vehicle Pre-Test Right Side Tie Rod and Sway Bar Attachments Points



Figure A-507: Bullet Vehicle Post-Test Right Side Tie Rod and Sway Bar Attachments Points



Figure A-508: Bullet Vehicle Pre-Test Right Side Upper Sway Bar Attachment Point

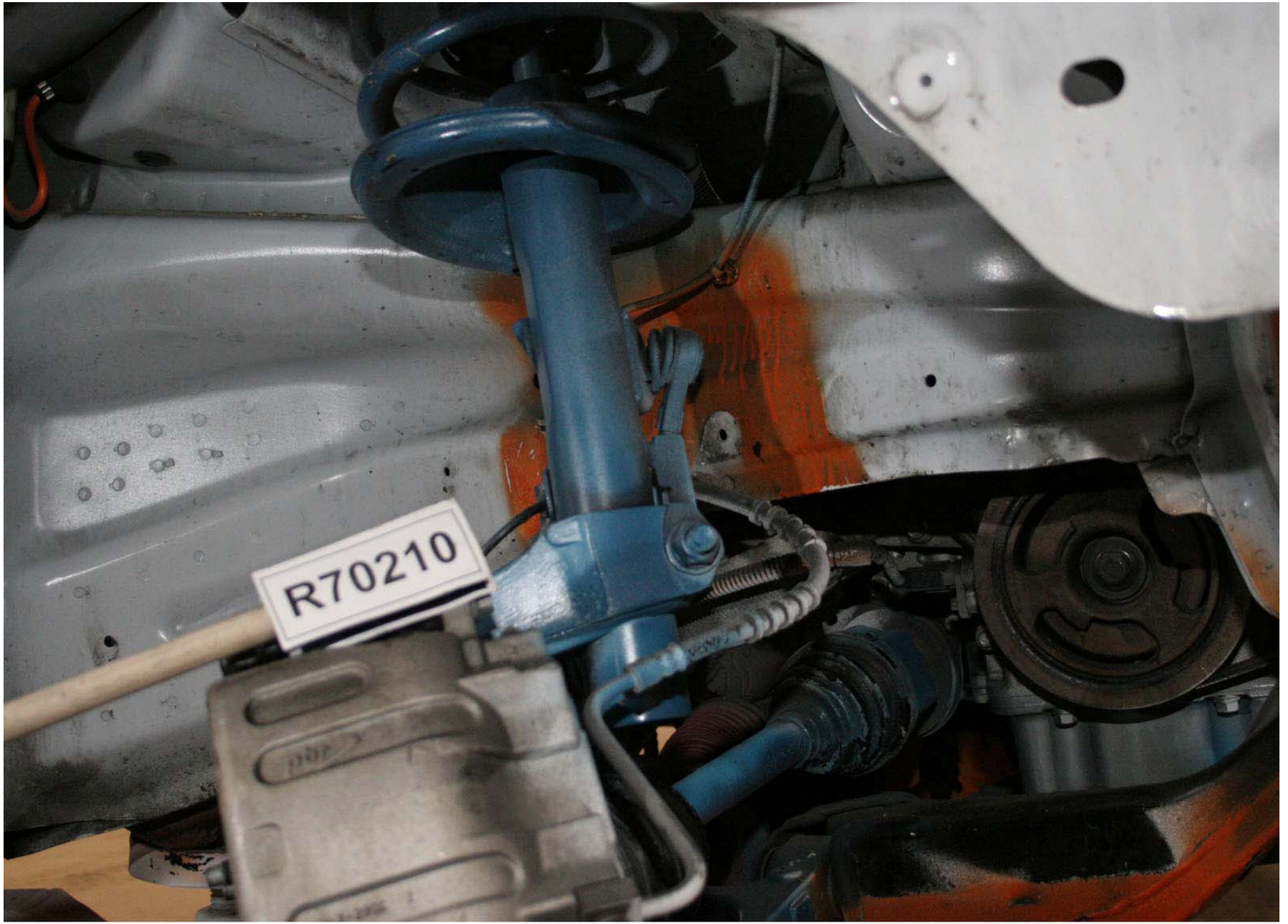


Figure A-509: Bullet Vehicle Post-Test Right Side Upper Sway Bar Attachment Point



Figure A-510: Bullet Vehicle Pre-Test Left Side Frame to A-Pillar Joint



Figure A-511: Bullet Vehicle Post-Test Left Side Frame to A-Pillar Joint

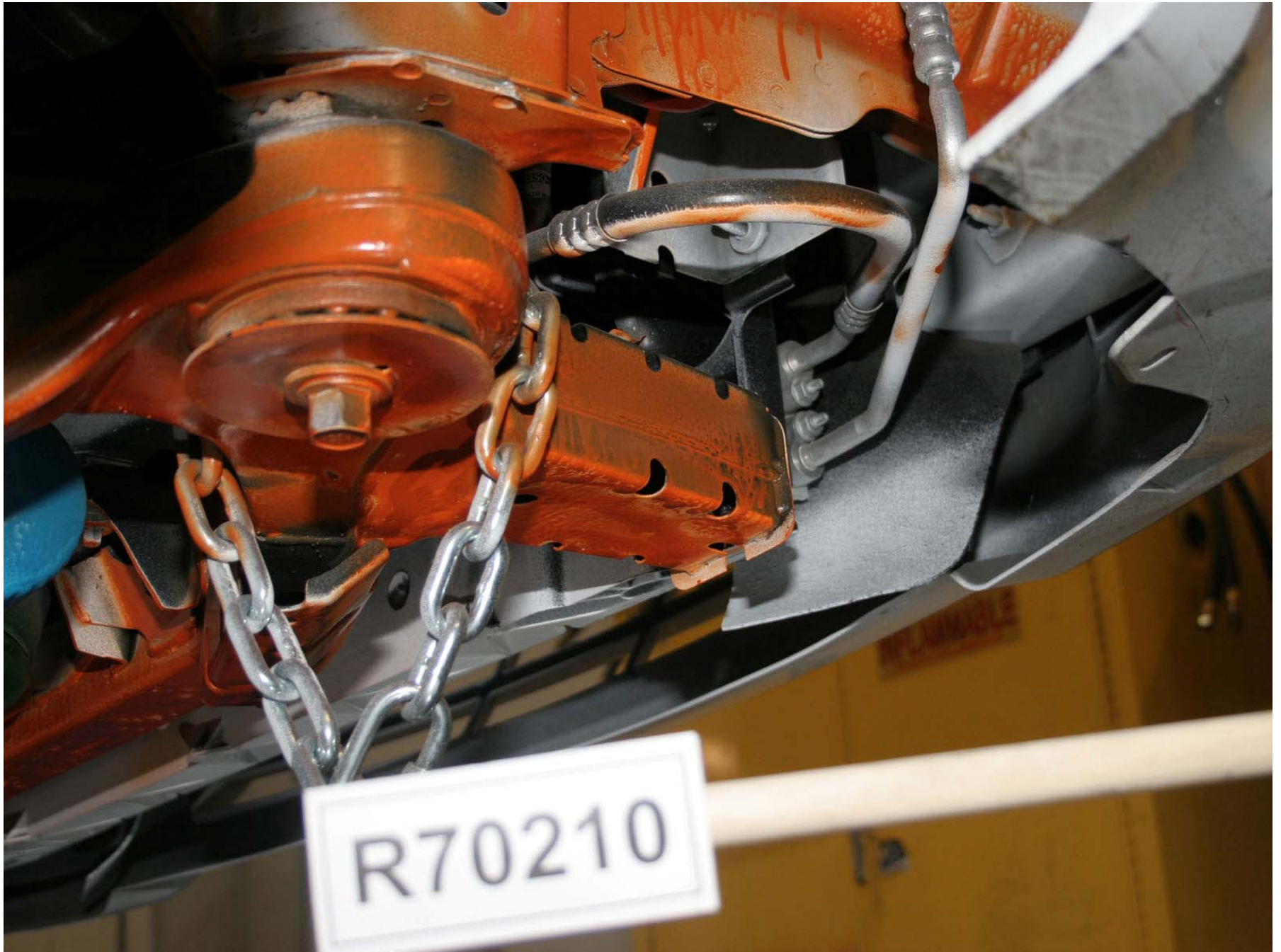


Figure A-512: Bullet Vehicle Pre-Test Right Side Crush Initiators



Figure A-513: Bullet Vehicle Post-Test Right Side Crush Initiators



Figure A-514: Bullet Vehicle Pre-Test Right Side Crush Initiators

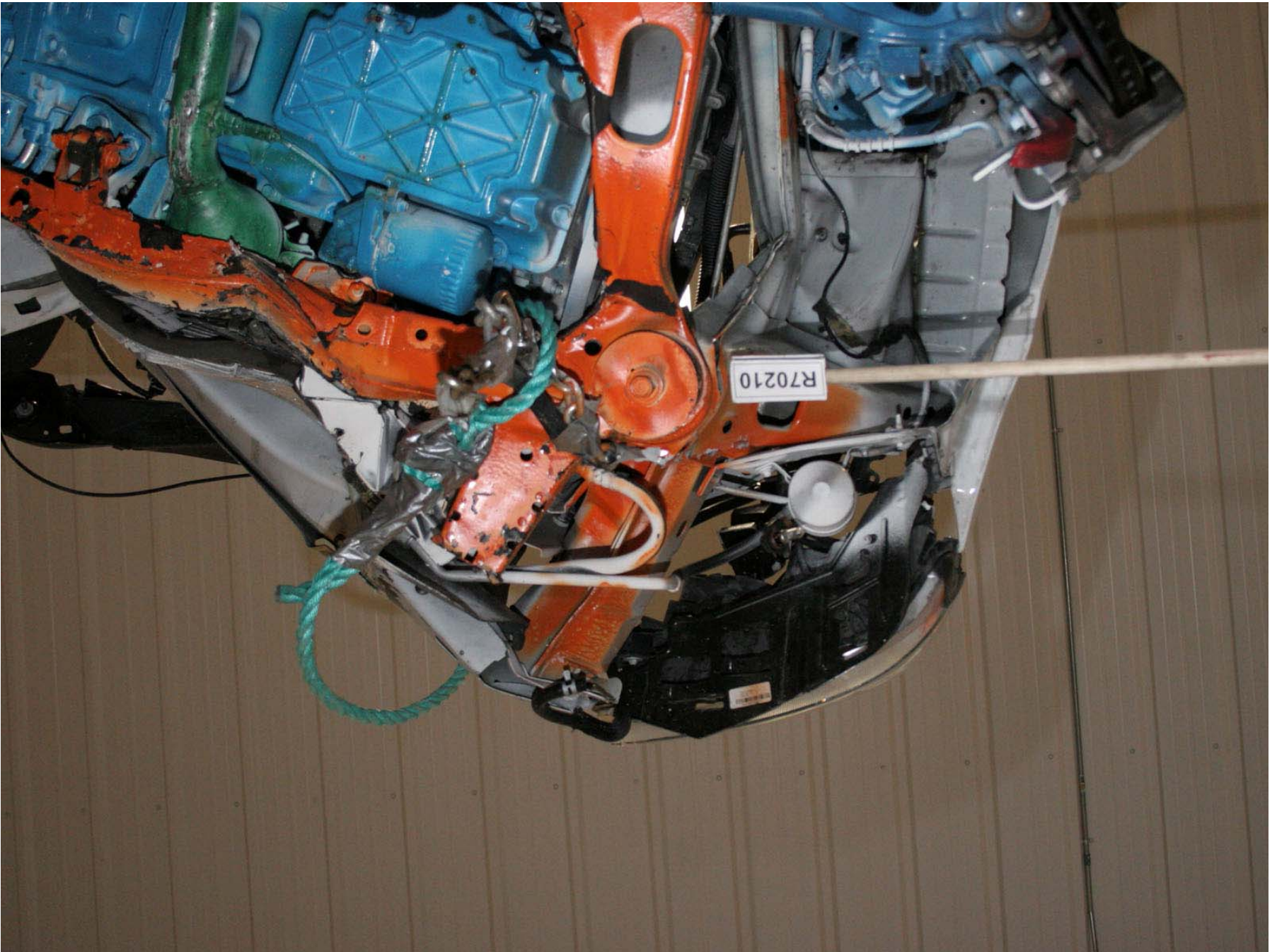


Figure A-515: Bullet Vehicle Post-Test Right Side Crush Initiators



Figure A-516: Bullet Vehicle Pre-Test Right Side Bumper Attachment Point



Figure A-517: Test Vehicle Post-Test Right Side Bumper Attachment Point

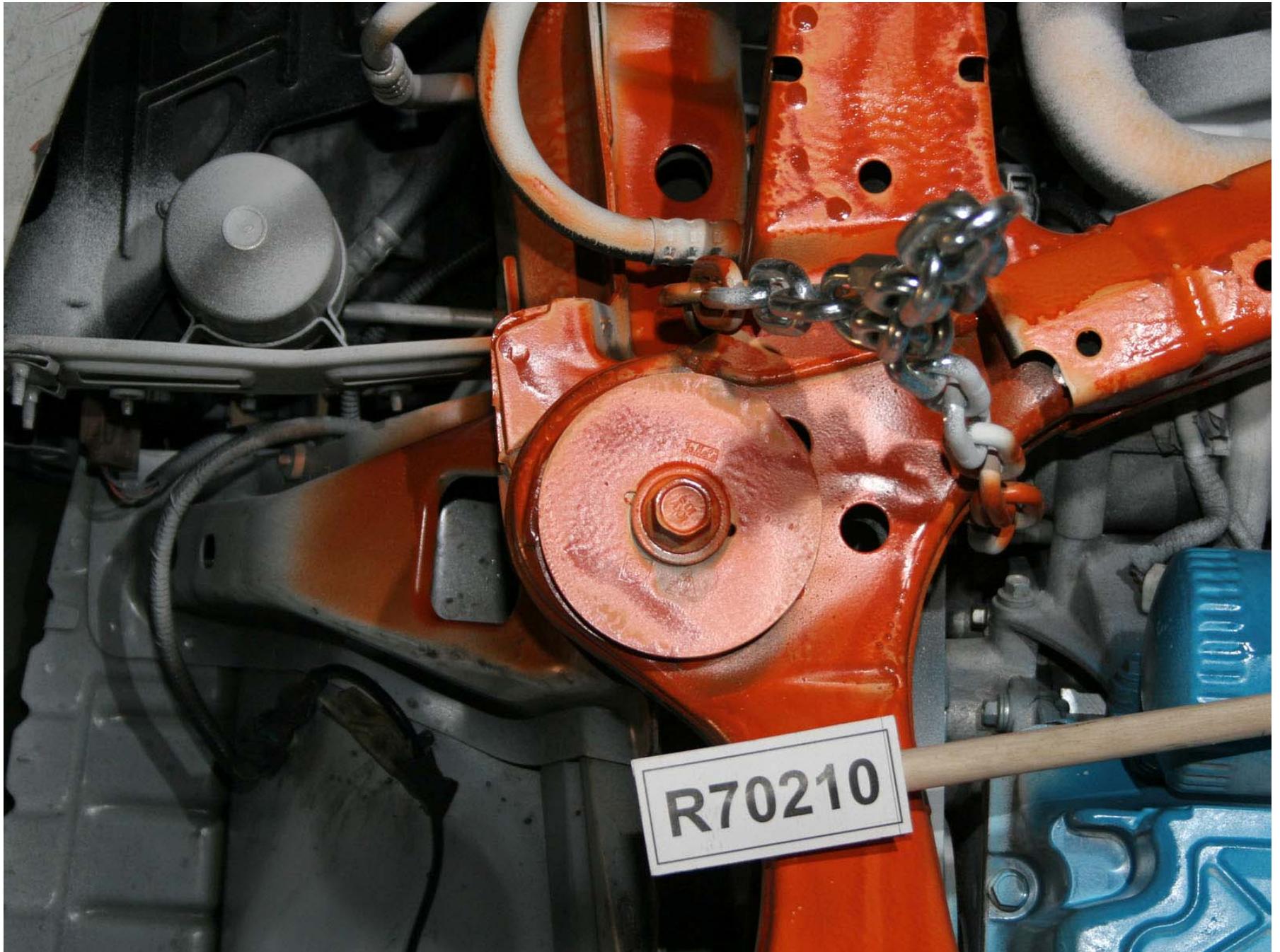


Figure A-518: Bullet Vehicle Pre-Test Right Front Sub-Frame Mounting Point



Figure A-519: Bullet Vehicle Post-Test Right Front Sub-Frame Mounting Point

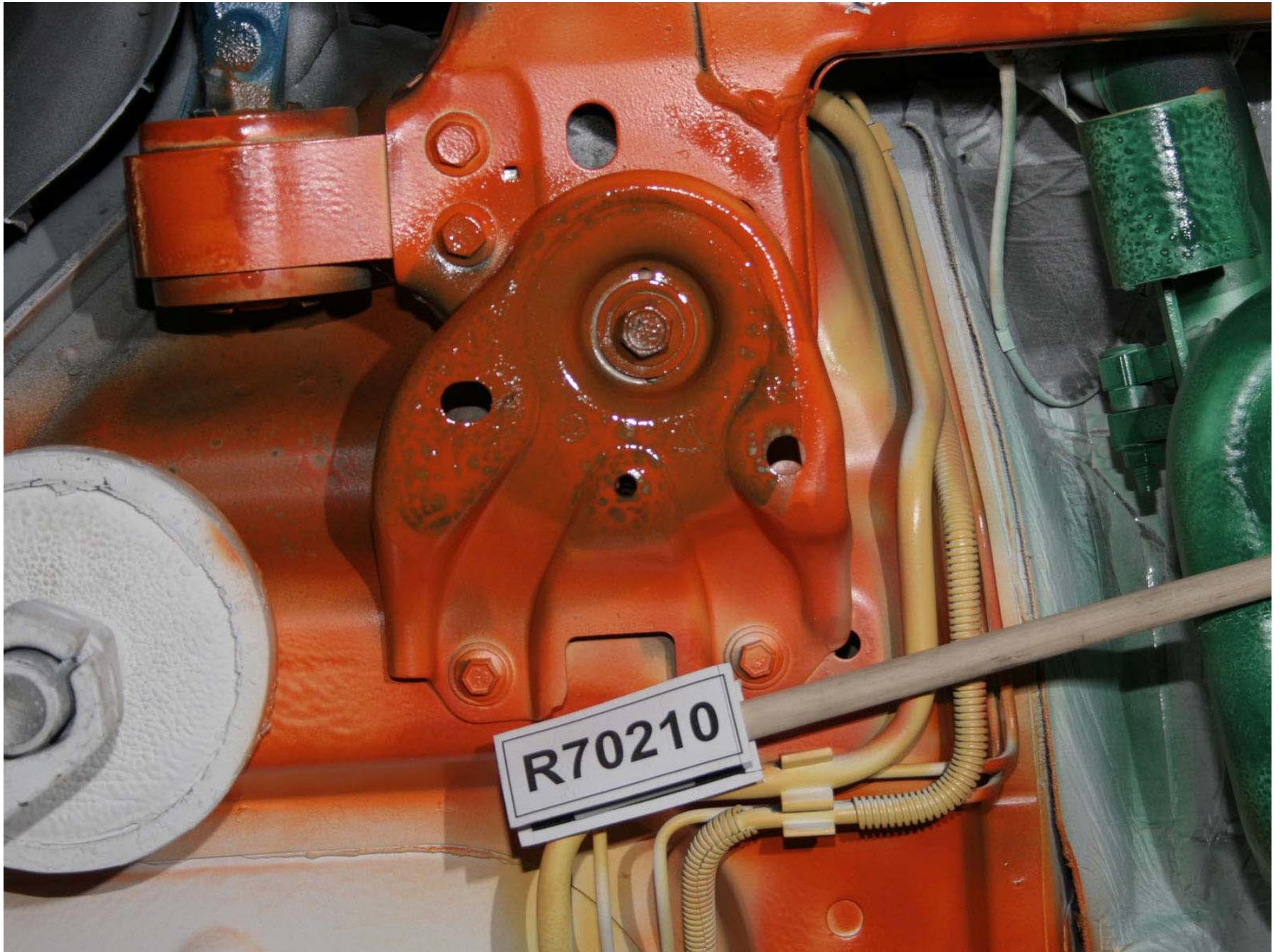


Figure A-520: Bullet Vehicle Pre-Test Right Rear Sub-Frame Mounting Point



Figure A-521: Bullet Vehicle Post-Test Right Rear Sub-Frame Mounting Point

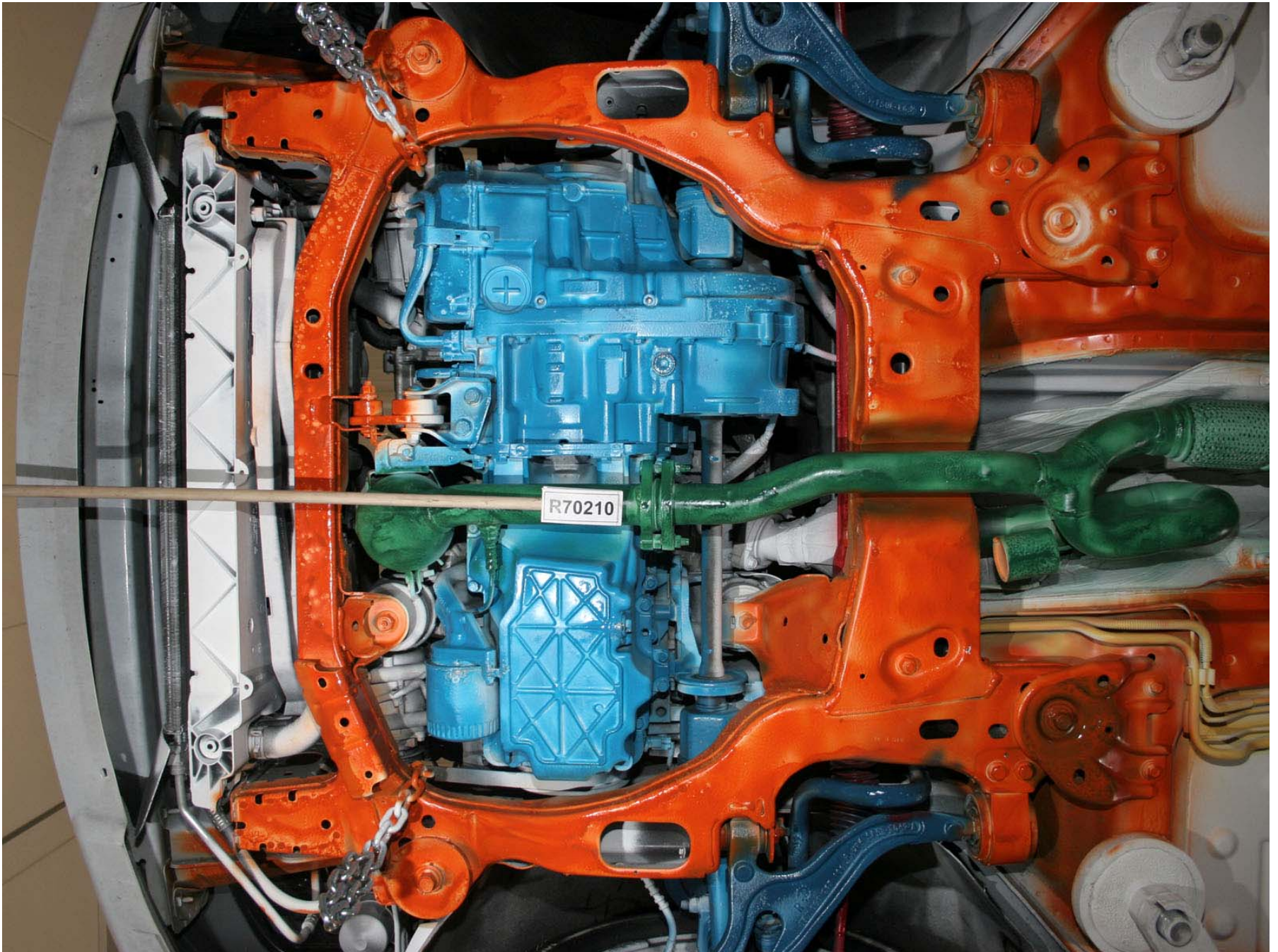


Figure A-522: Bullet Vehicle Pre-Test Front Underbody

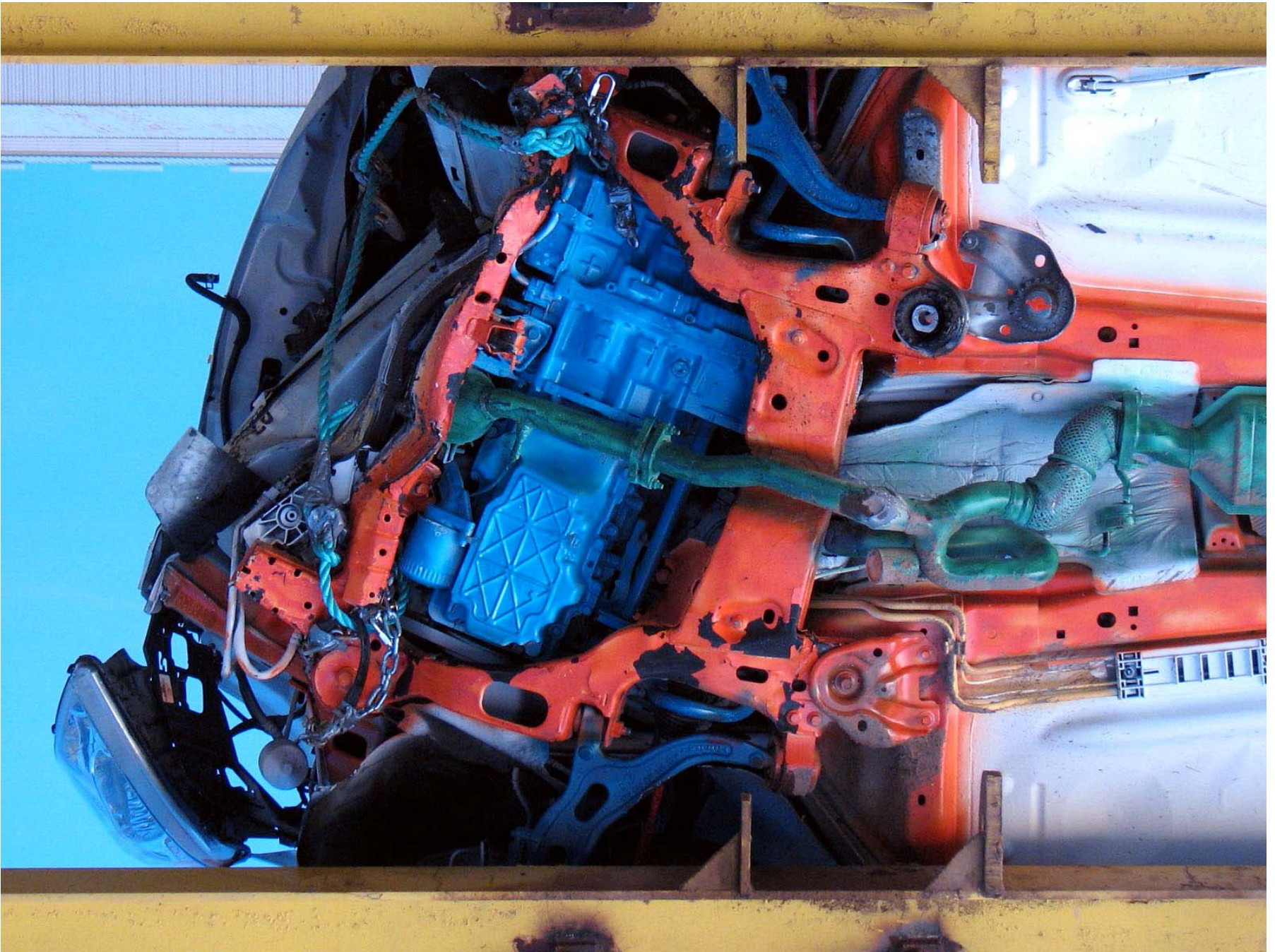


Figure A-523: Bullet Vehicle Post-Test Front Underbody

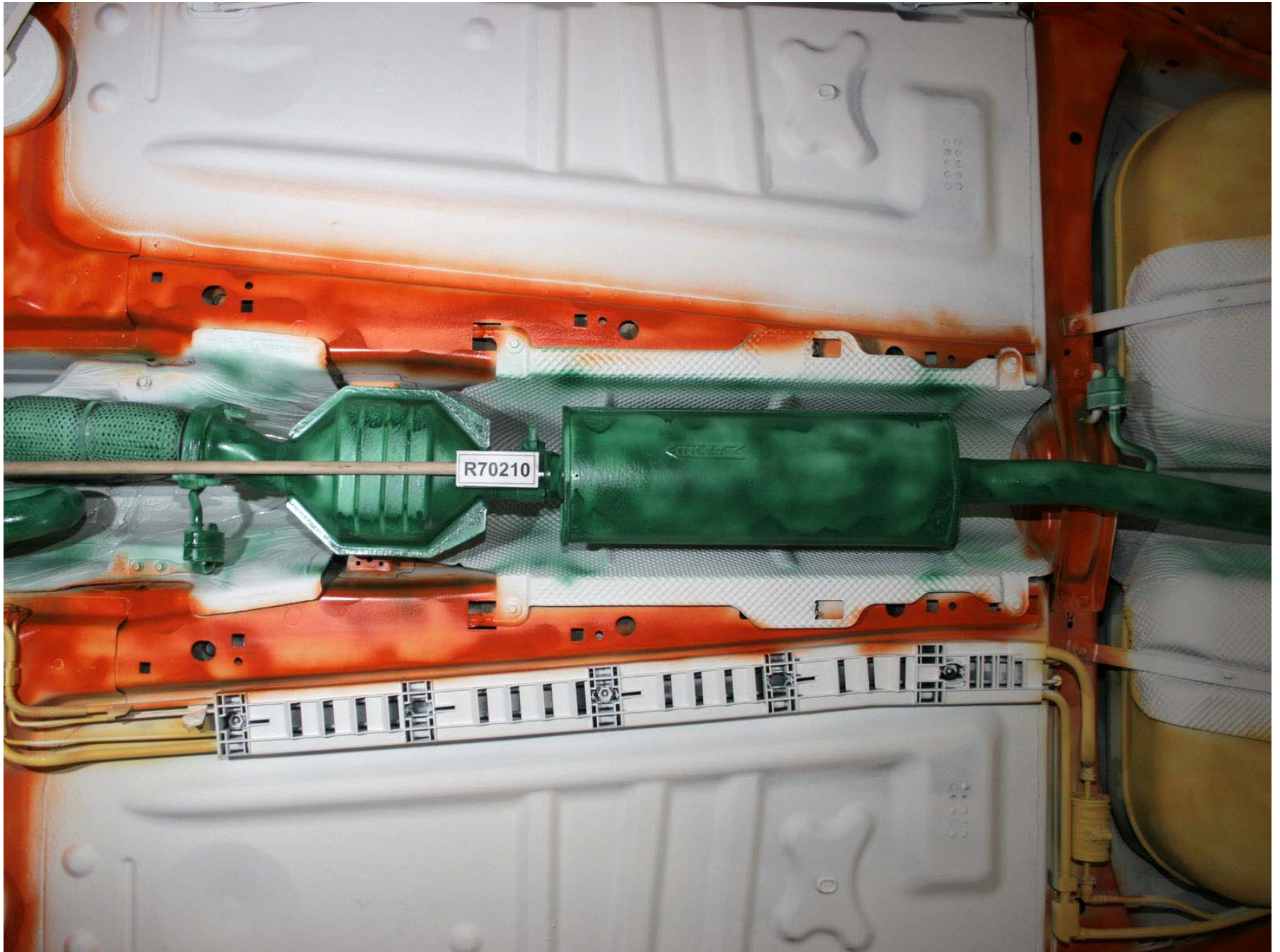


Figure A-524: Bullet Vehicle Pre-Test Mid Underbody

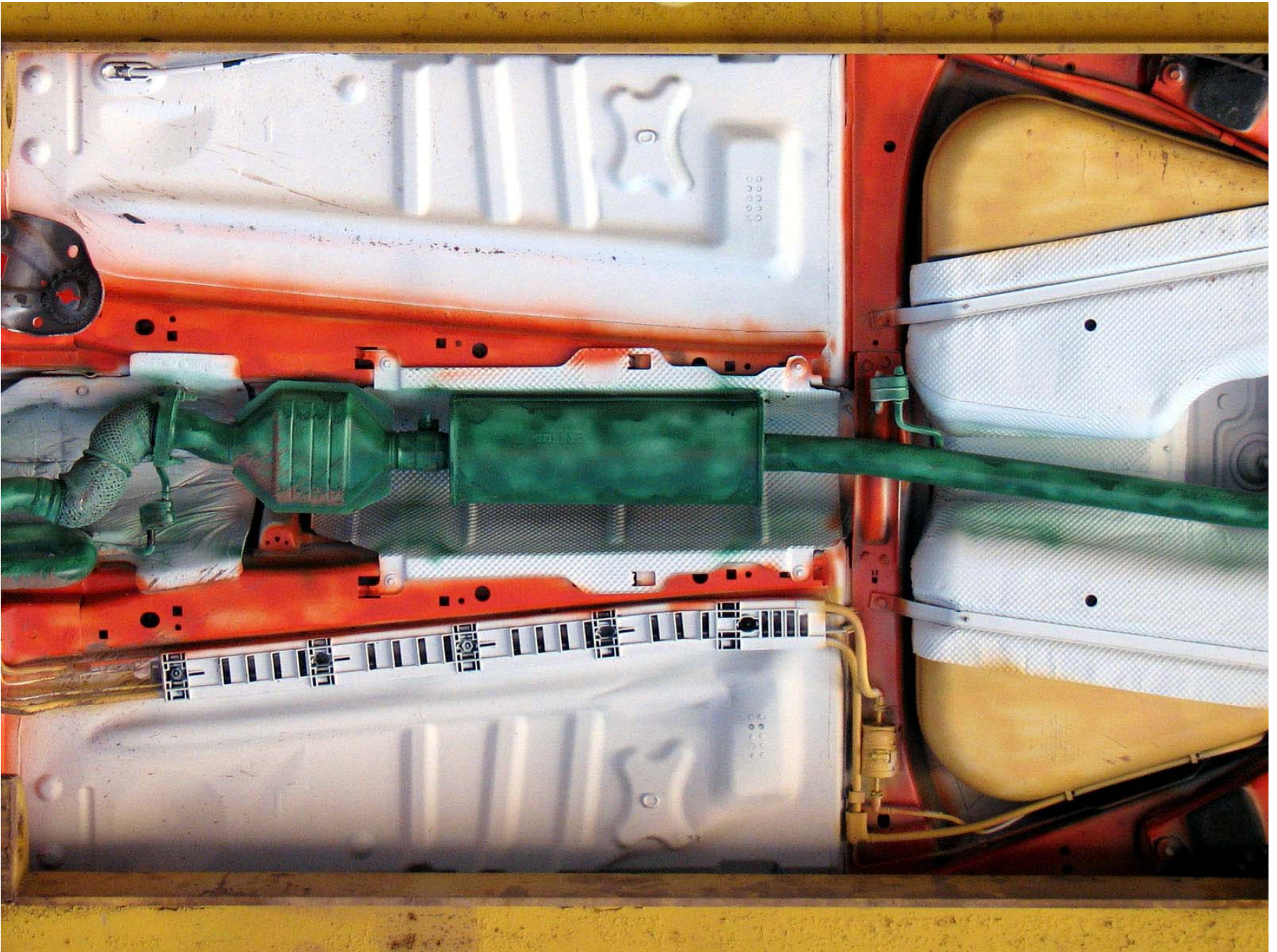


Figure A-525: Bullet Vehicle Post-Test Mid Underbody

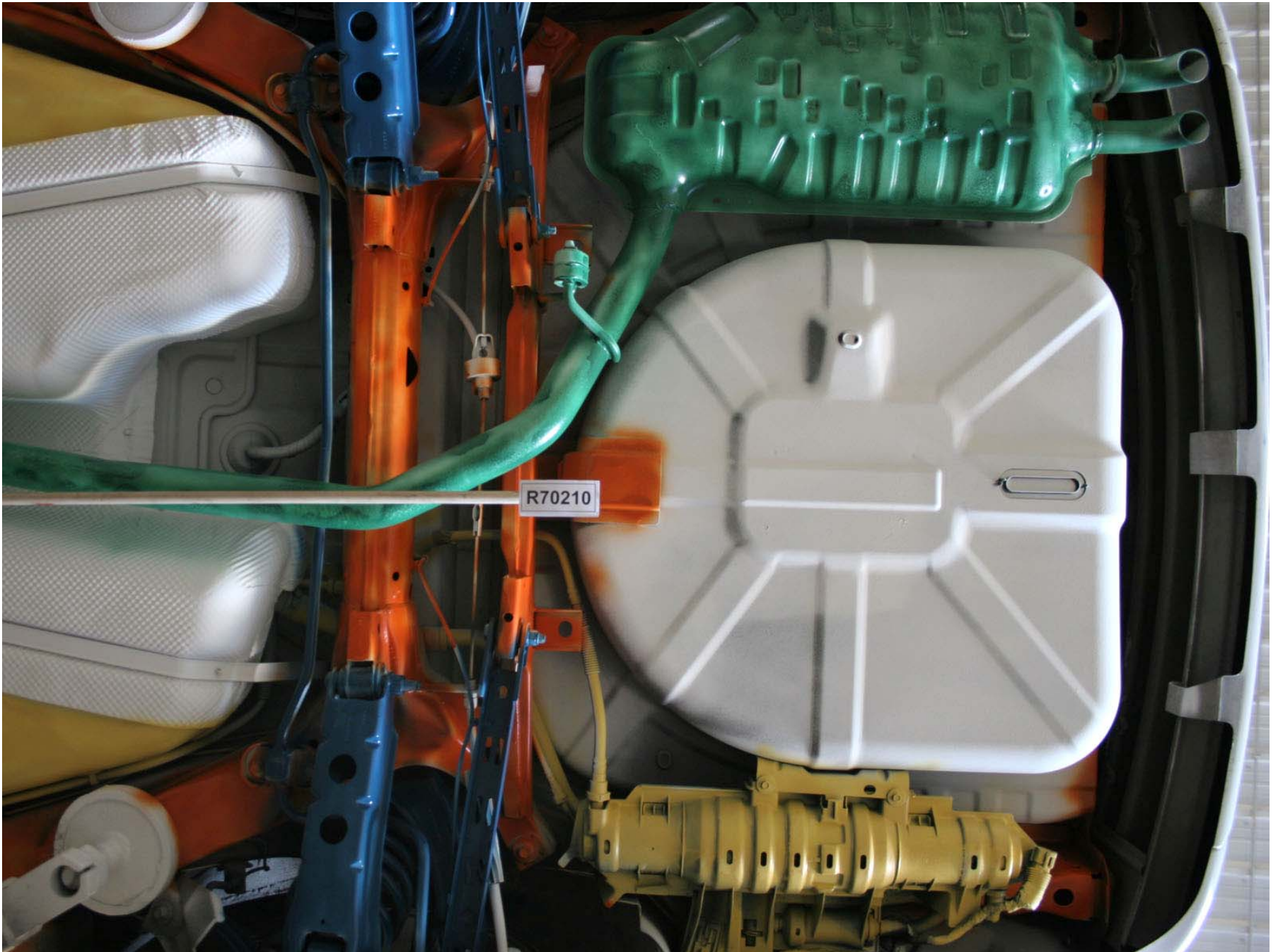


Figure A-526: Bullet Vehicle Pre-Test Rear Underbody

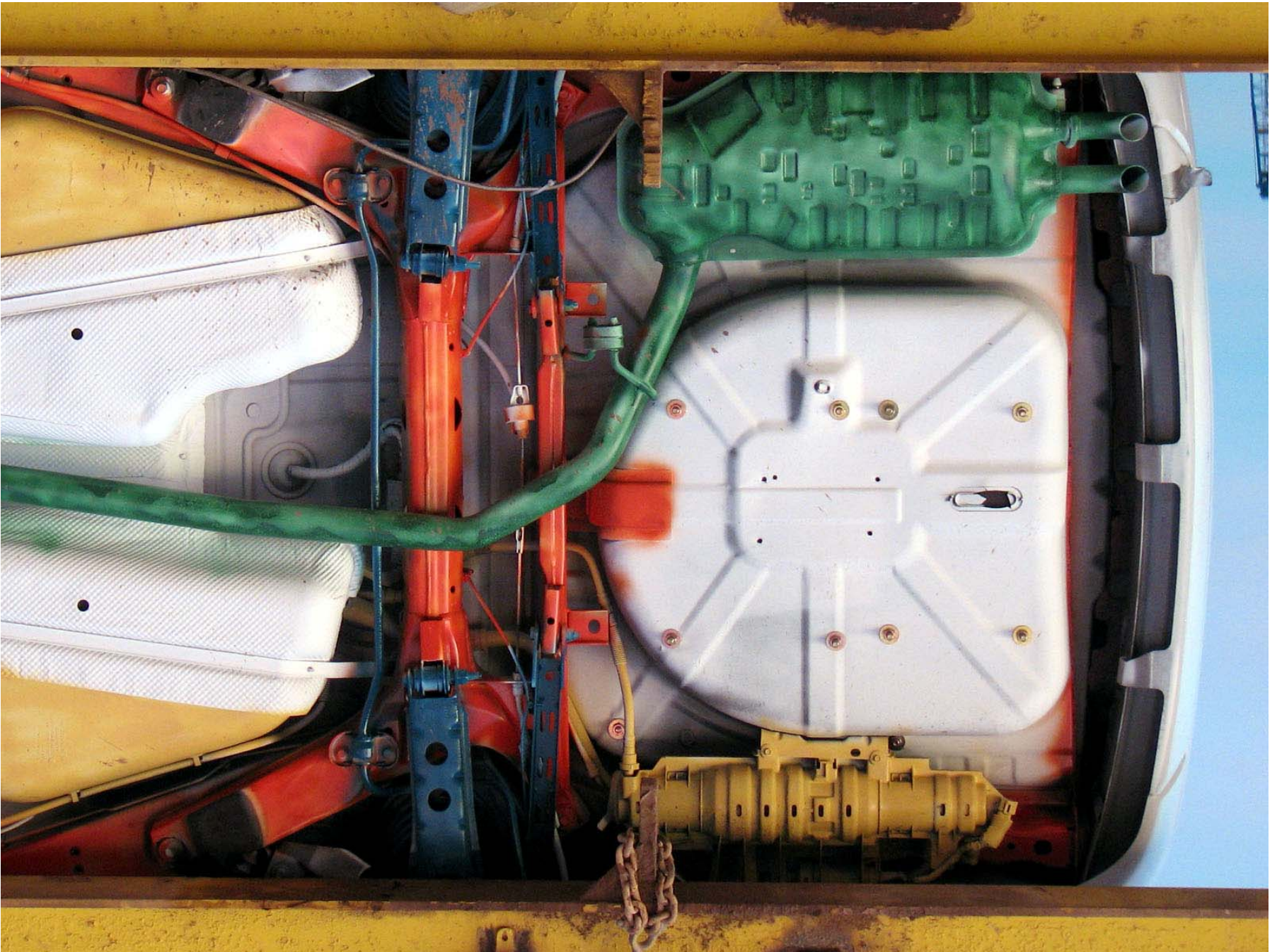


Figure A-527: Bullet Vehicle Post-Test Rear Underbody

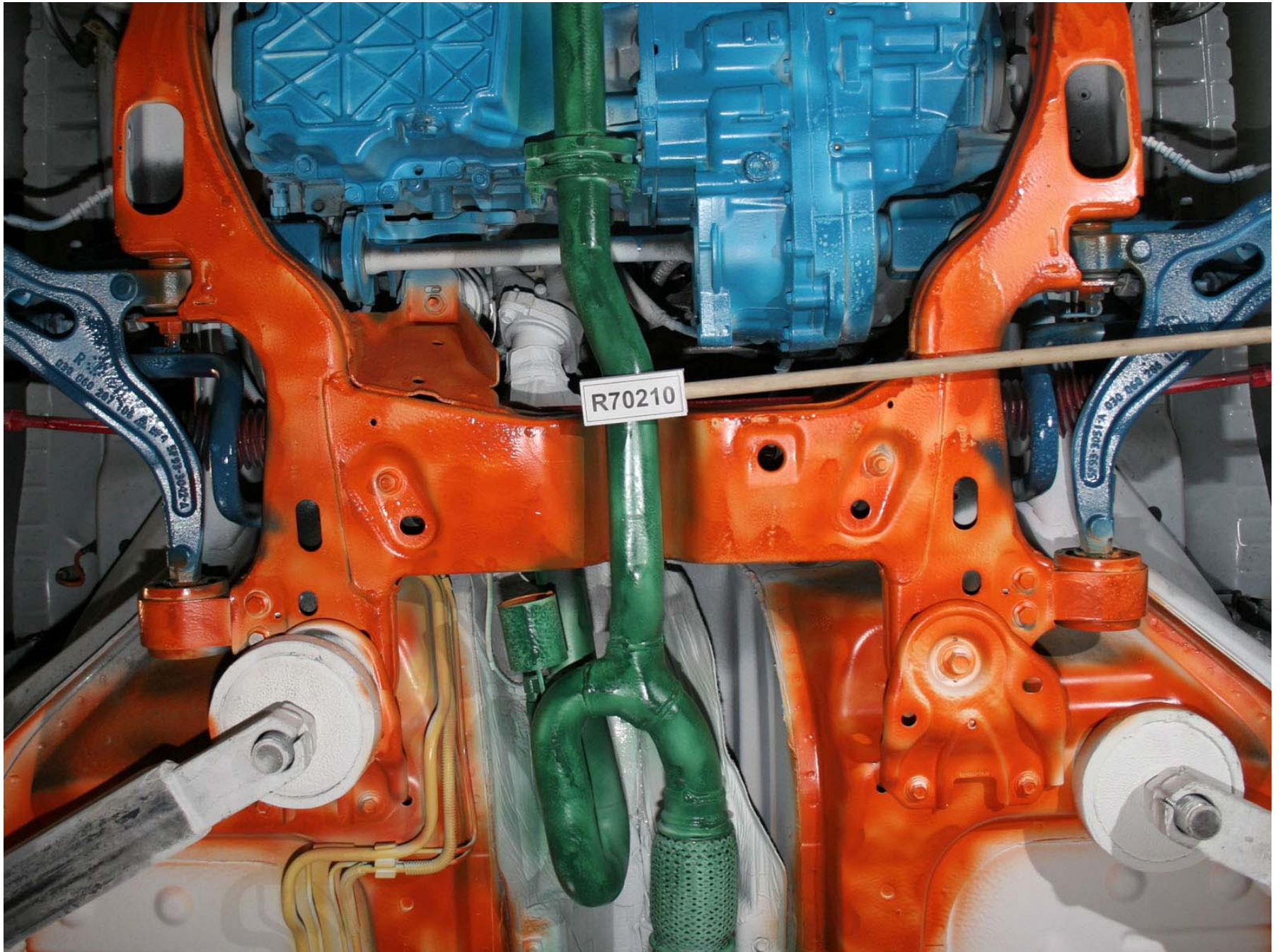


Figure A-528: Bullet Vehicle Pre-Test Steering Rack and Sway Bar View

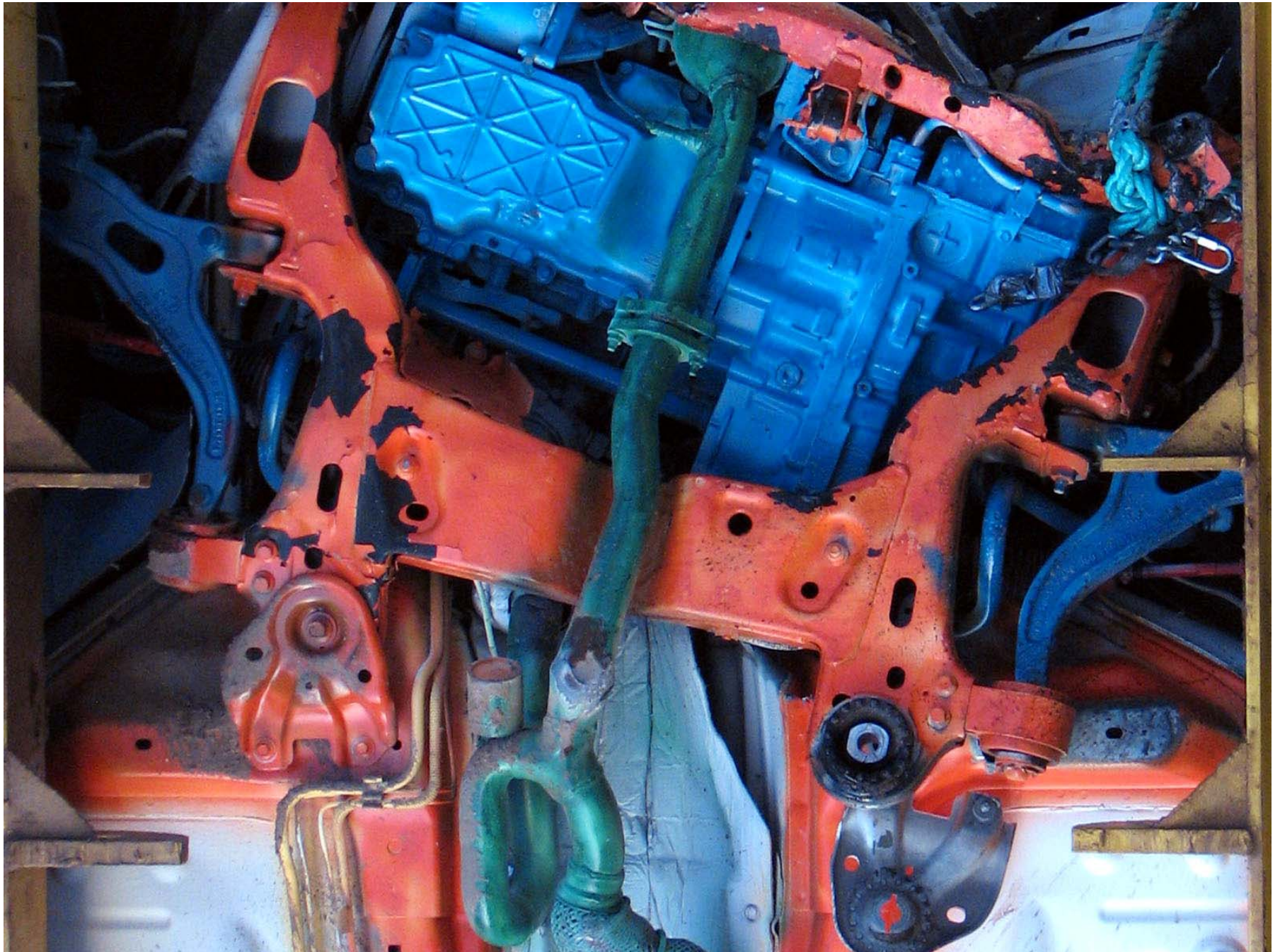


Figure A-529: Bullet Vehicle Post-Test Steering Rack and Sway Bar View

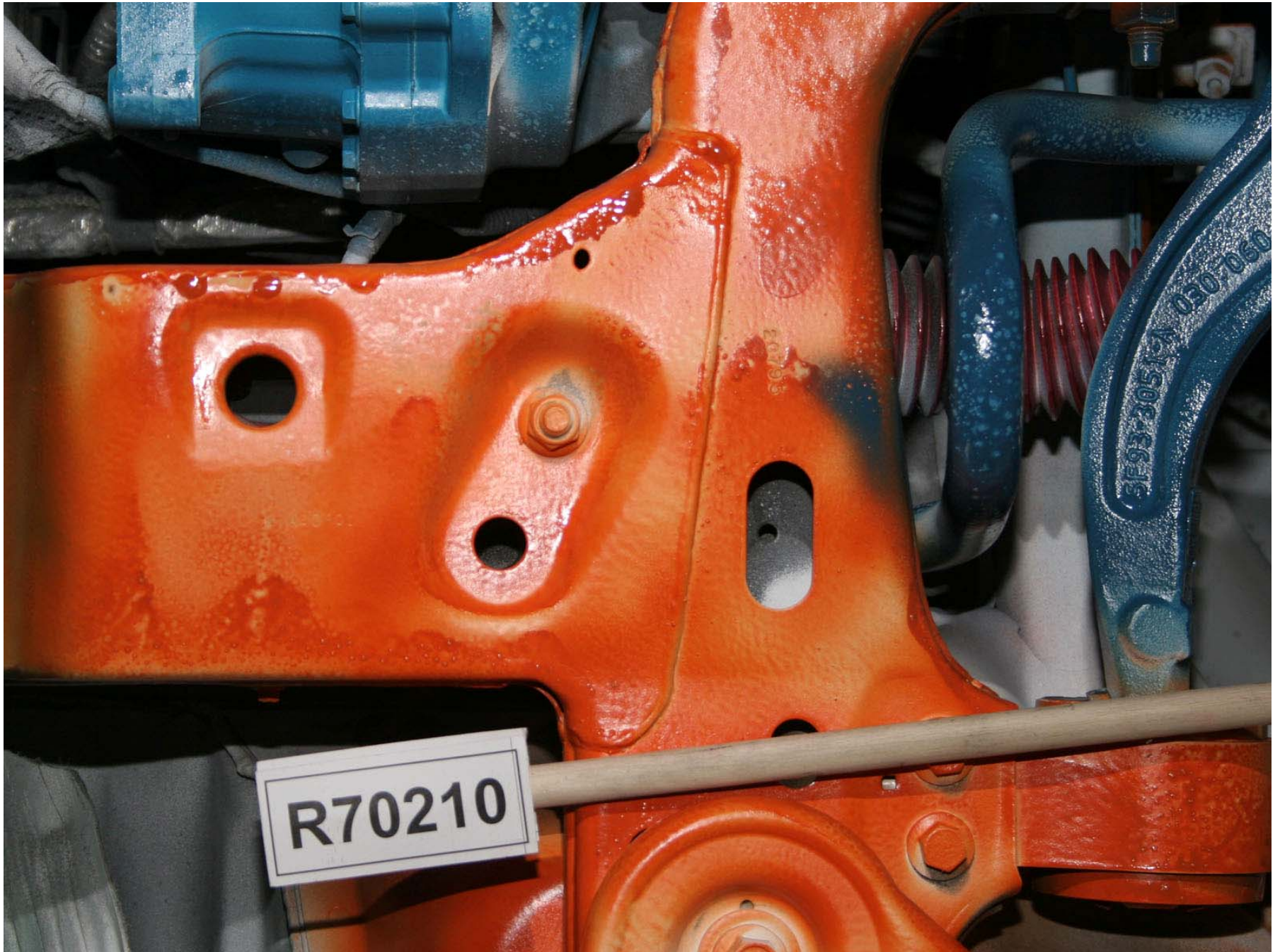


Figure A-530: Bullet Vehicle Pre-Test Steering Rack Left Side Mounting Bolt

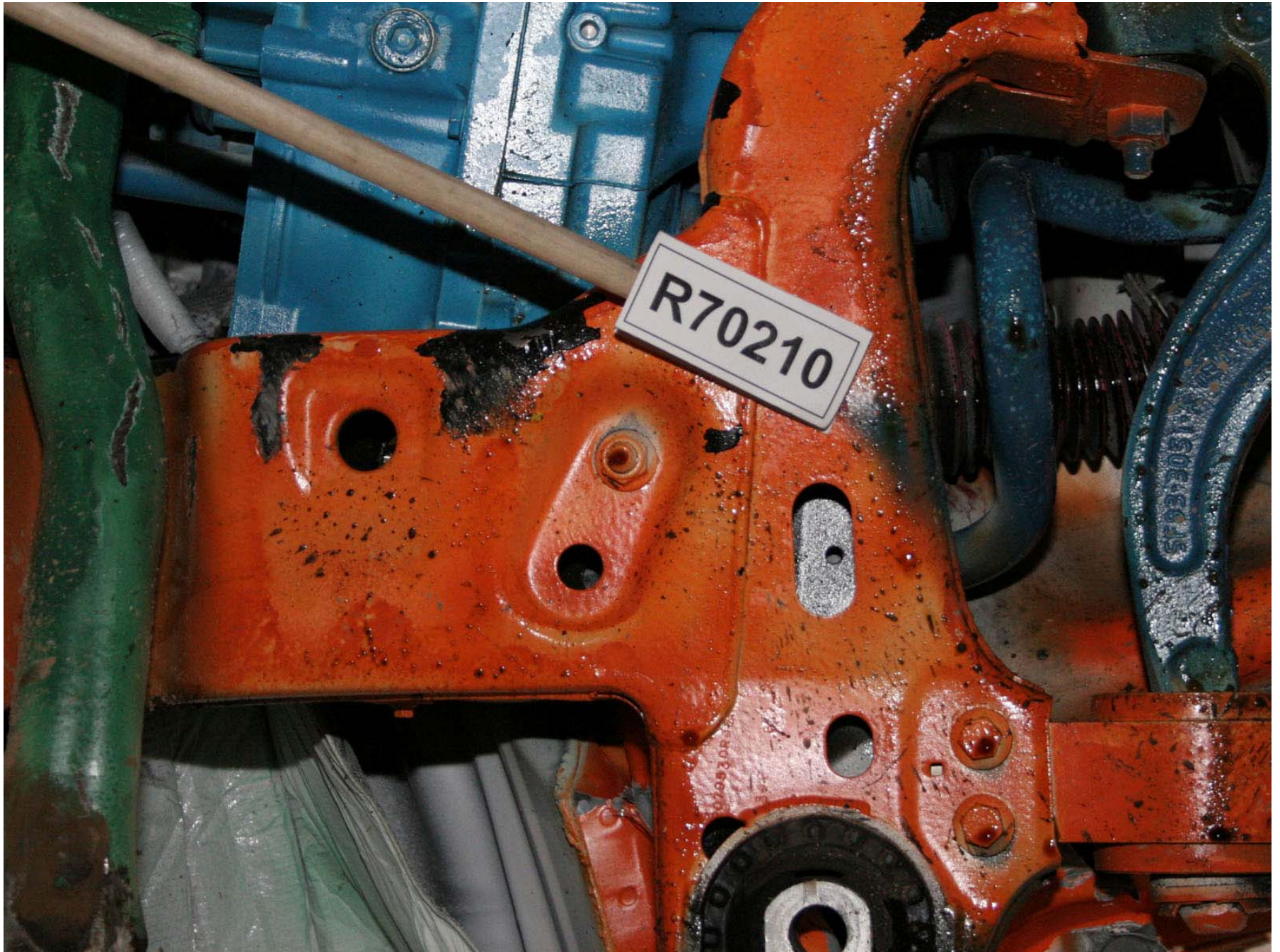


Figure A-531: Bullet Vehicle Post-Test Steering Rack Left Side Mounting Bolt

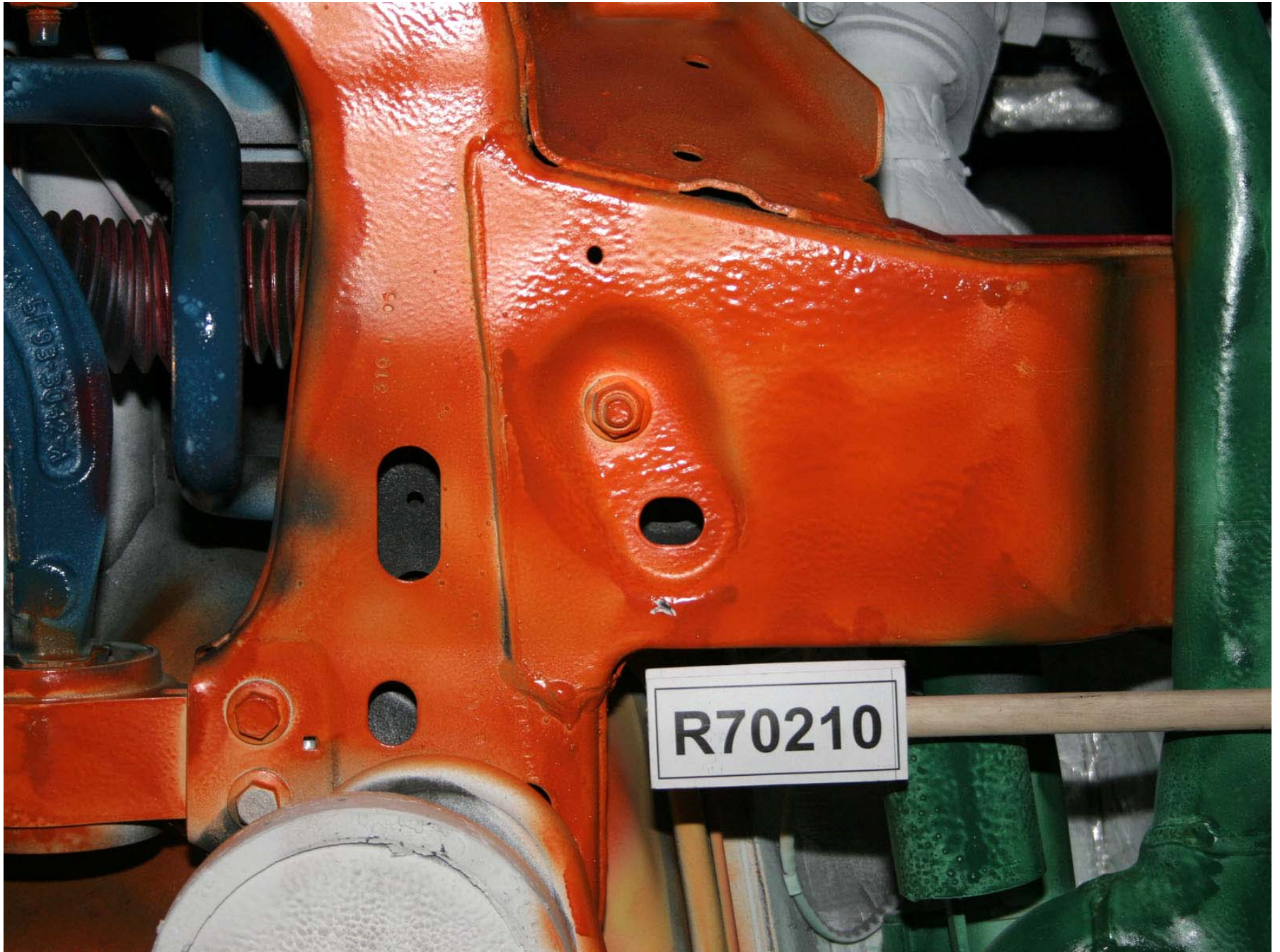


Figure A-532: Bullet Vehicle Pre-Test Steering Rack Right Side Mounting Bolt



Figure A-533: Bullet Vehicle Post-Test Steering Rack Right Side Mounting Bolt



Figure A-534: Bullet Vehicle Pre-Test Sway Bar Left Side Mounting Bolts

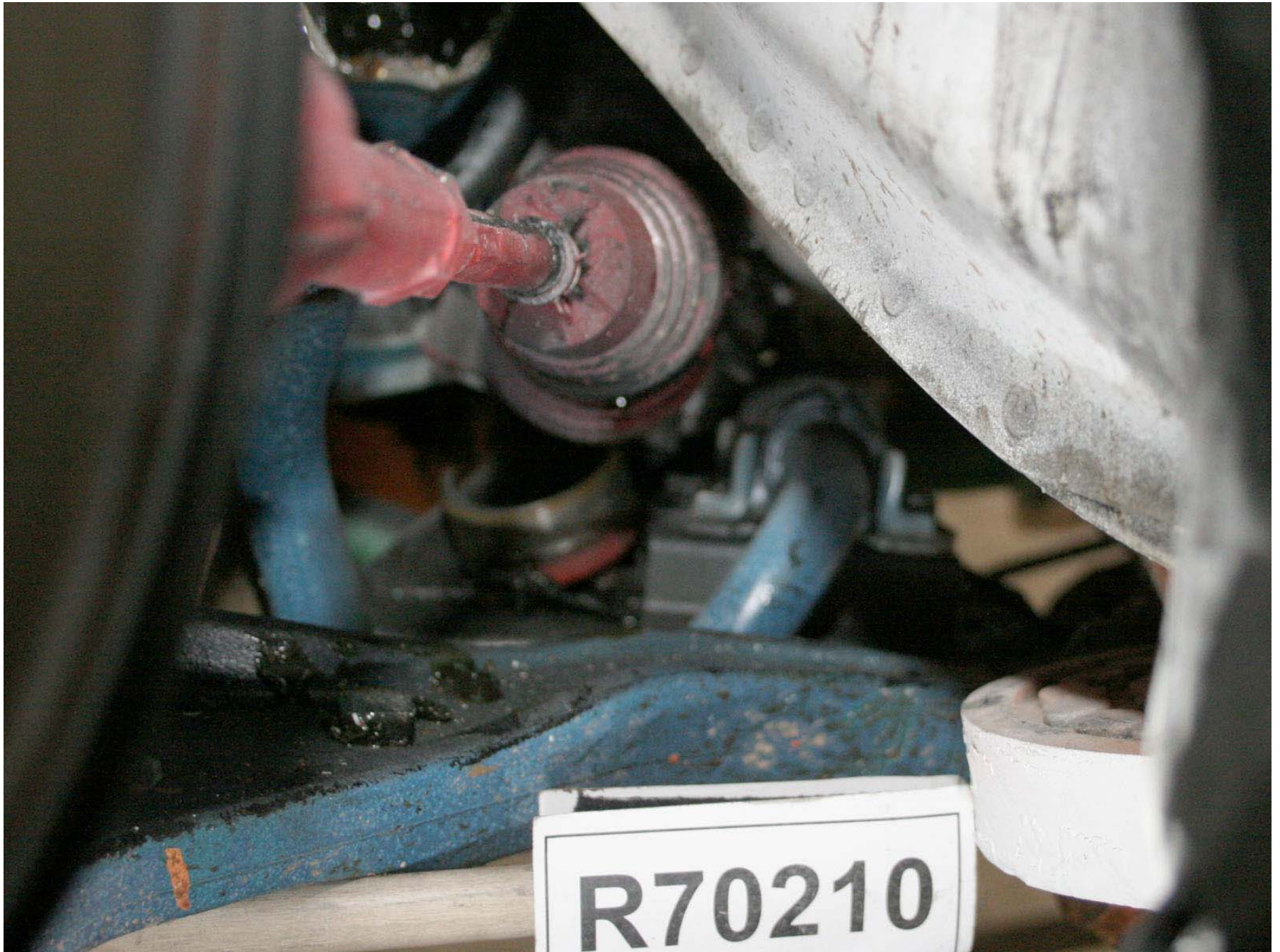


Figure A-535: Bullet Vehicle Post-Test Sway Bar Left Side Mounting Bolts

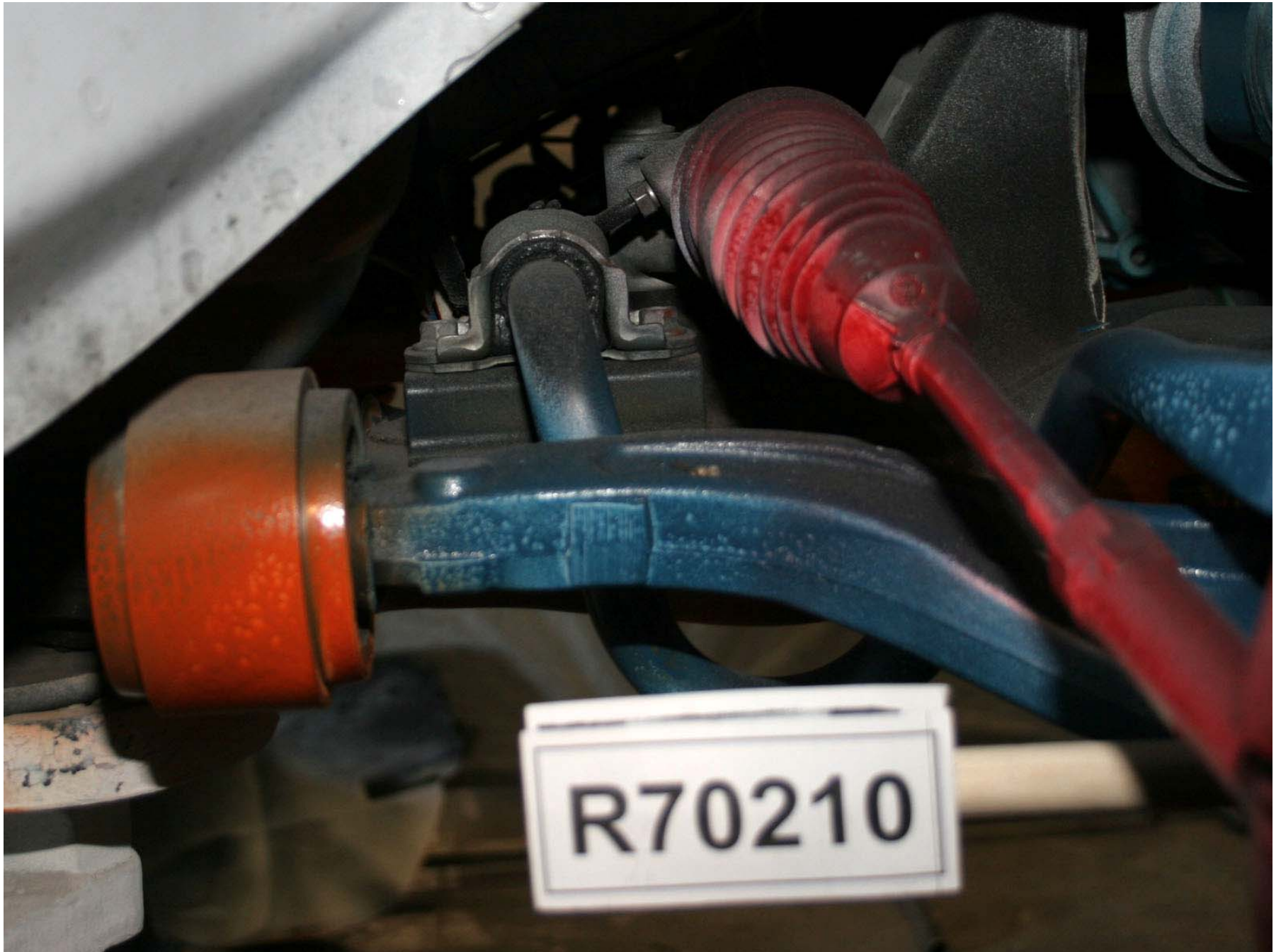


Figure A-536: Bullet Vehicle Pre-Test Sway Bar Right Side Mounting Bolts

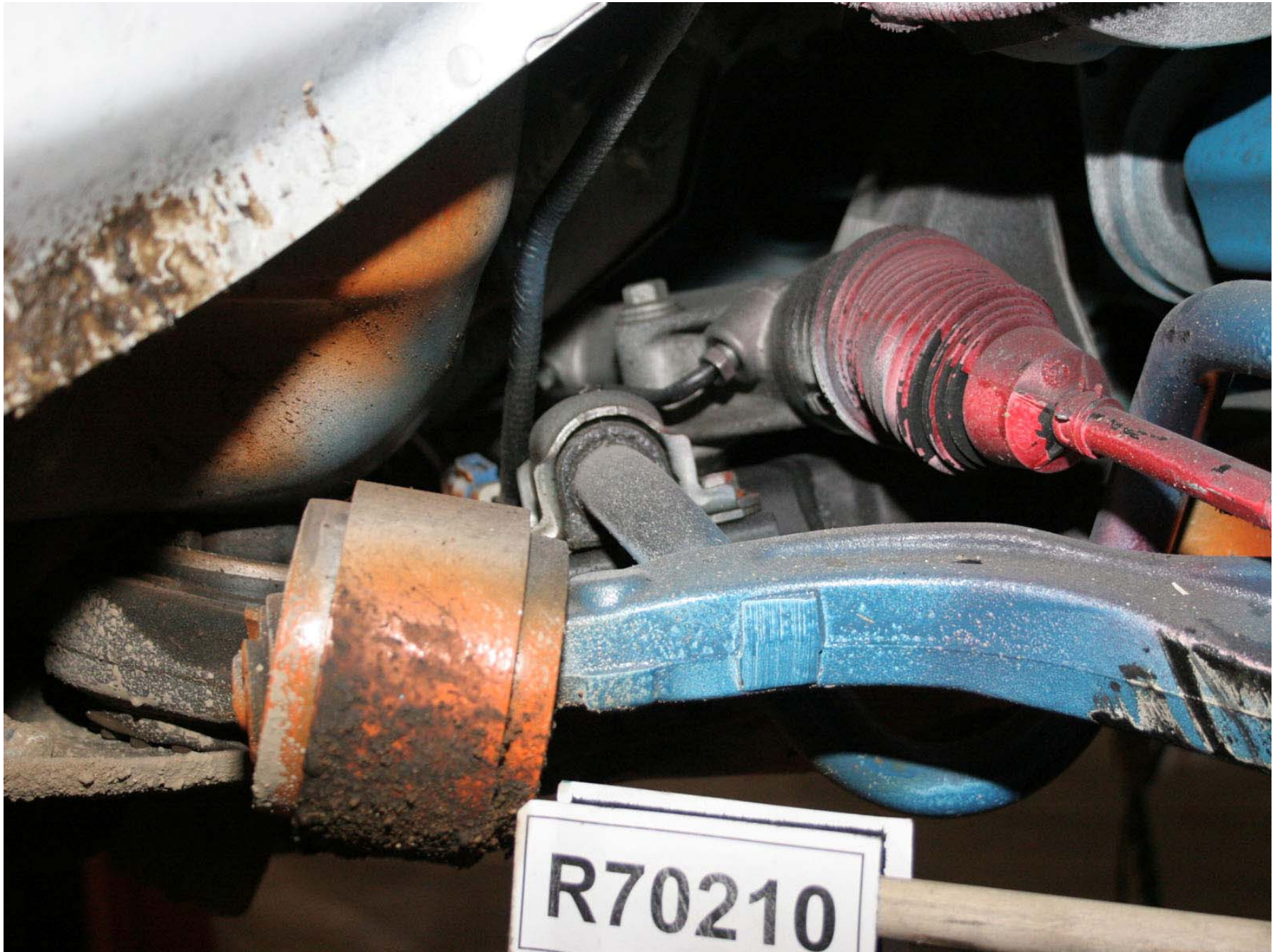


Figure A-537: Bullet Vehicle Post-Test Sway Bar Right Side Mounting Bolts



Figure A-538: Bullet Vehicle Pre-Test Front Door Panel



Figure A-539: Test Vehicle Post-Test Front Door Panel



Figure A-540: Bullet Vehicle Pre-Test Driver Dummy Right Side View



Figure A-541: Test Vehicle Post-Test Driver Dummy Right Side View



Figure A-542: Bullet Vehicle Pre-Test Driver Dummy Front View



Figure A-543: Bullet Vehicle Post-Test Driver Dummy Front View



Figure A-544: Bullet Vehicle Pre-Test Driver Dummy Left Side View (Door Open)



Figure A-545: Bullet Vehicle Post-Test Driver Dummy Left Side View (Door Open)



Figure A-546: Bullet Vehicle Pre-Test Driver Dummy Abdomen Front View



Figure A-547: Bullet Vehicle Post-Test Driver Dummy Abdomen Front View



Figure A-548: Bullet Vehicle Pre-Test Driver Dummy Abdomen Side View



Figure A-549: Bullet Vehicle Post-Test Driver Dummy Abdomen Side View



Figure A-550: Bullet Vehicle Pre-Test Driver Dummy Feet Positioning



Figure A-551: Bullet Vehicle Pre-Test Driver Dummy Feet Positioning



Figure A-552: Bullet Vehicle Pre-Test Driver Dummy Feet Positioning

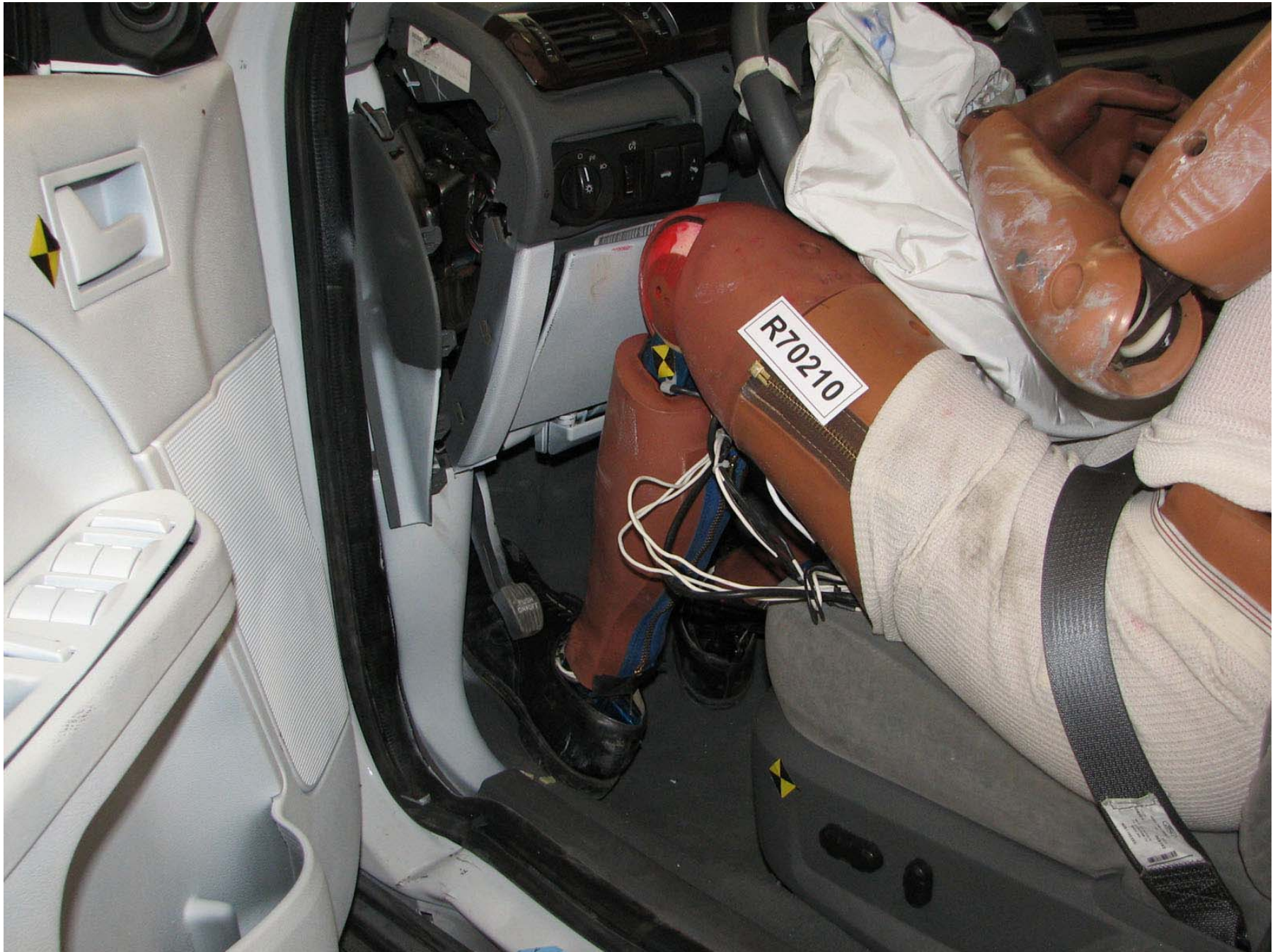


Figure A-553: Bullet Vehicle Post-Test Driver Dummy Feet Positioning



Figure A-554: Bullet Vehicle Post-Test Driver Dummy Feet Positioning



Figure A-555: Bullet Vehicle Post-Test Driver Dummy Feet Positioning



Figure A-556: Bullet Vehicle Pre-Test Driver Dummy Left Side View (Through Window)



Figure A-557: Bullet Vehicle Post-Test Driver Dummy Left Side View (Through Window)



Figure A-558: Bullet Vehicle Pre-Test Driver Dummy Clearance from Door



Figure A-559: Bullet Vehicle Post-Test Driver Dummy Clearance from Door



Figure A-560: Bullet Vehicle Pre-Test Driver's Side Knee Bolster



Figure A-561: Bullet Vehicle Post-Test Driver's Side Knee Bolster

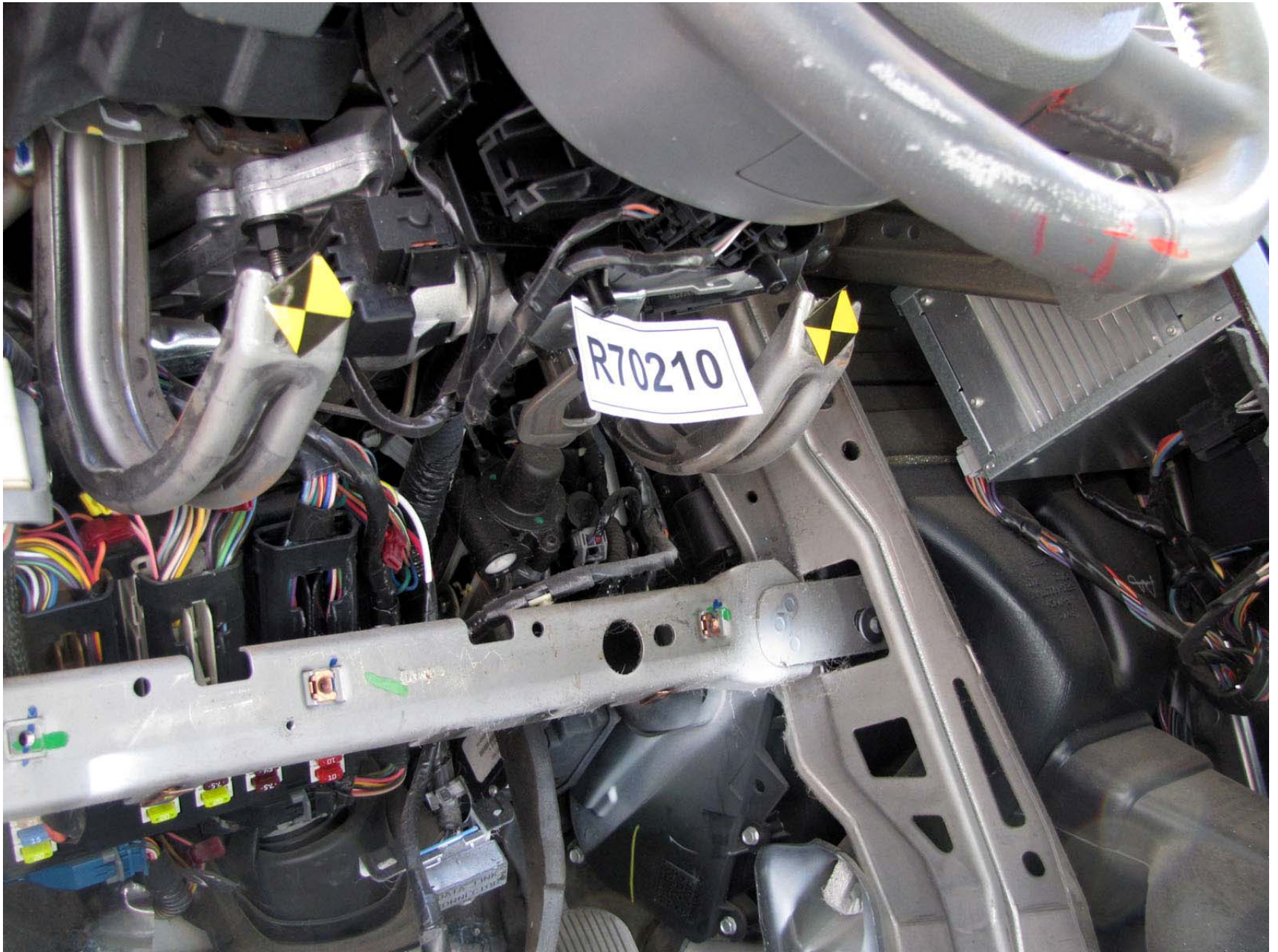


Figure A-562: Bullet Vehicle Post-Test Driver's Side Knee Bolster, $\frac{3}{4}$ View

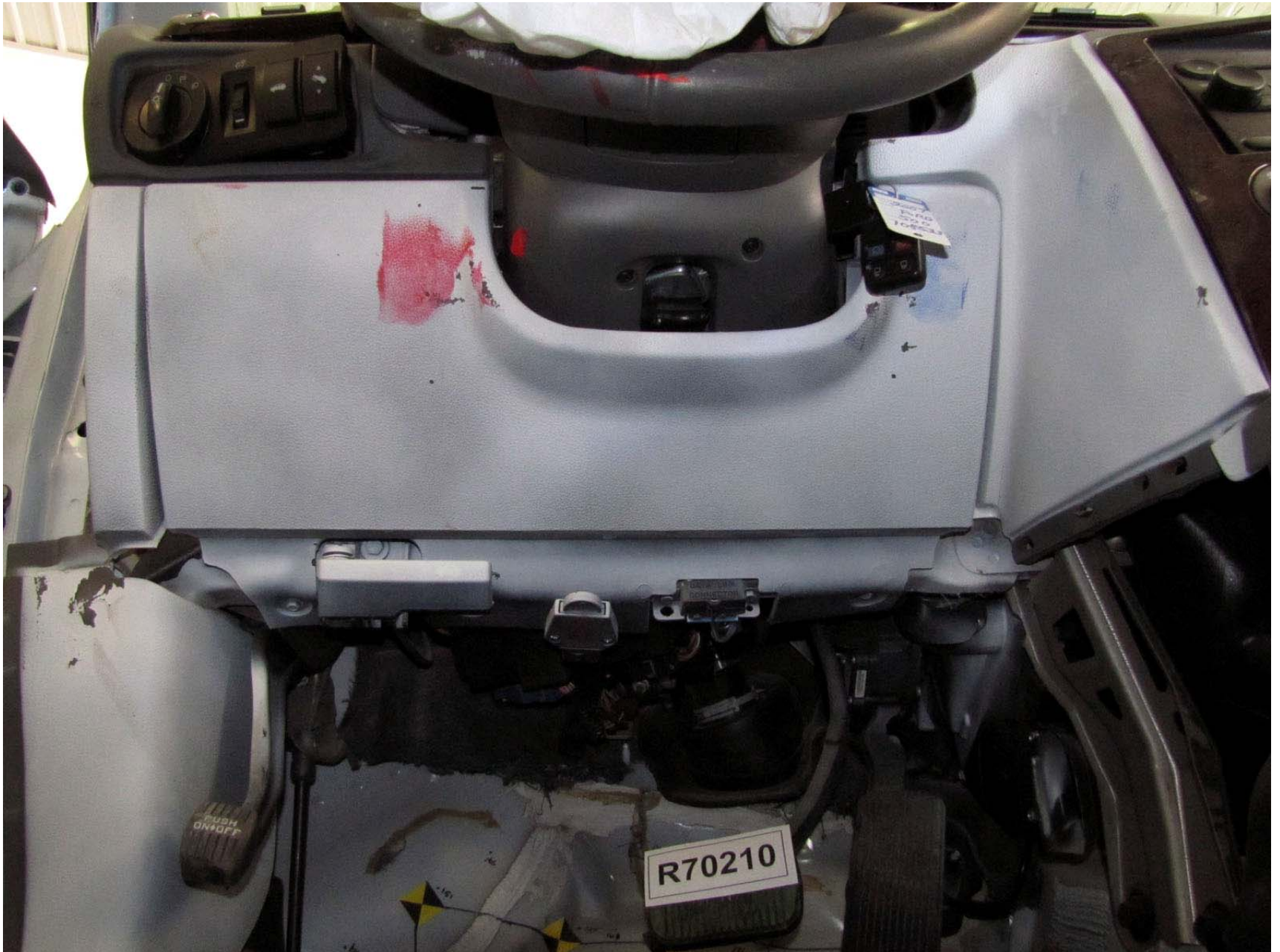


Figure A-563: Bullet Vehicle Post-Test Driver's Side Knee Bolster

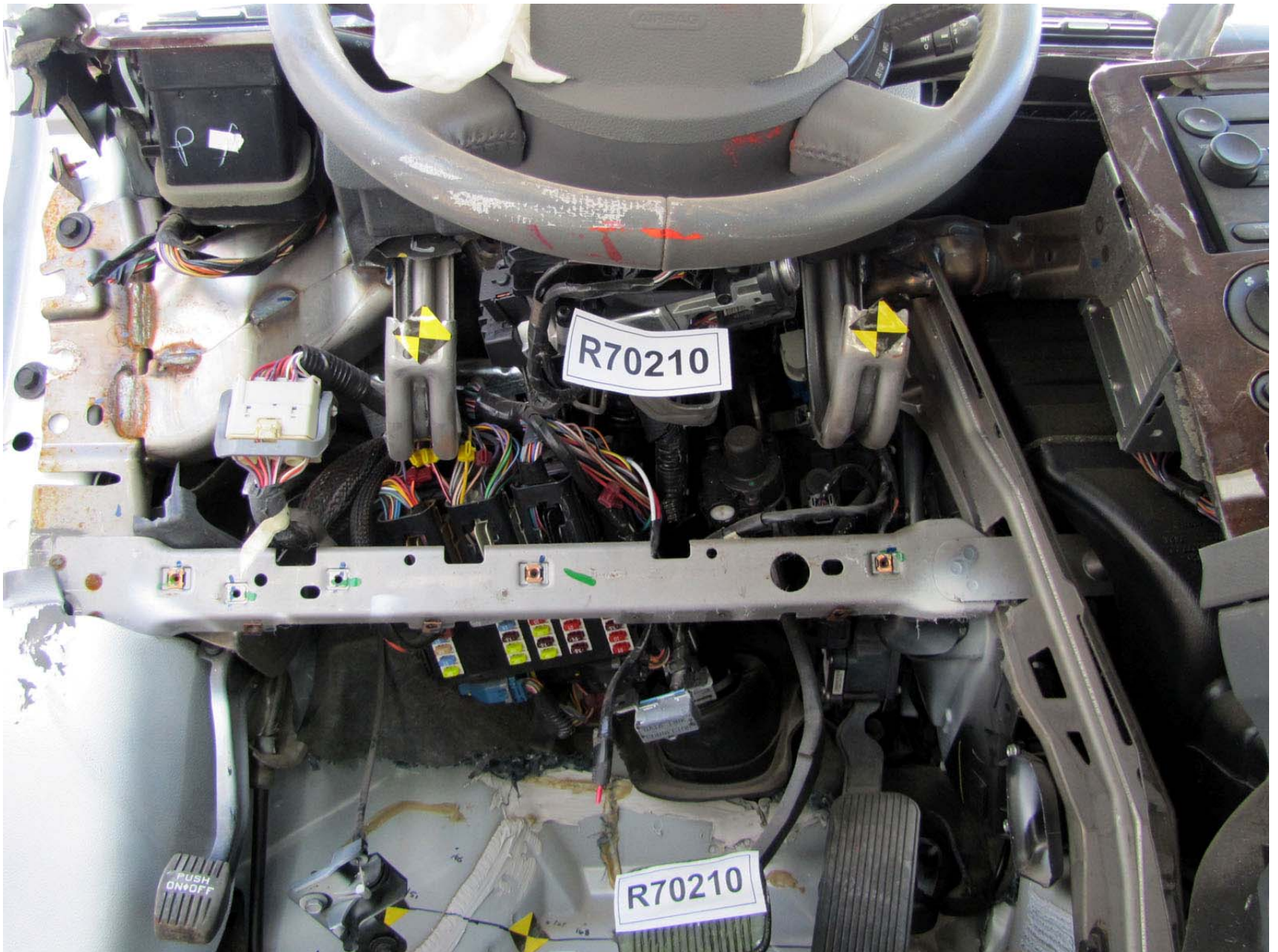


Figure A-564: Bullet Vehicle Post-Test Driver's Side Knee Bolster

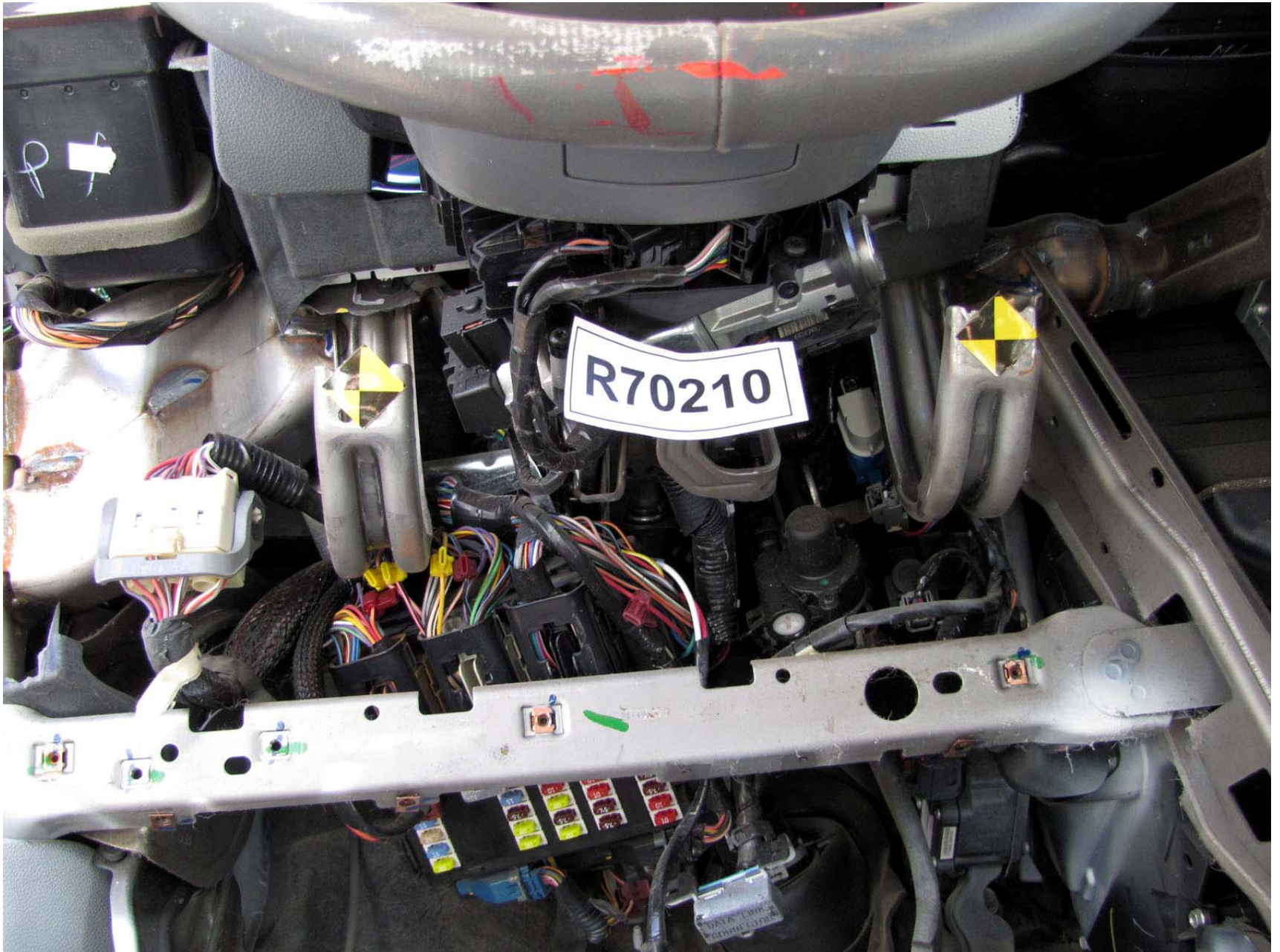


Figure A-565: Bullet Vehicle Post-Test Driver's Side Knee Bolster



Figure A-566: Bullet Vehicle Pre-Test Driver Dummy Head



Figure A-567: Bullet Vehicle Post-Test Driver Dummy Head



Figure A-568: Bullet Vehicle Post-Test Driver Dummy Contact, Airbag



Figure A-569: Bullet Vehicle Post-Test Driver Dummy Contact, Headrest



Figure A-570: Bullet Vehicle Post-Test Driver Dummy Contact, Roof



Figure A-571: Bullet Vehicle Post-Test Passenger Dummy Contact, Knee Bolster



Figure A-572: Bullet Vehicle Pre-Test Driver Floorpan



Figure A-573: Bullet Vehicle Post-Test Driver Floorpan



Figure A-574: Bullet Vehicle Pre-Test Driver Floorpan Left $\frac{3}{4}$ View, Seat Cushion Height



Figure A-575: Bullet Vehicle Post-Test Driver Floorpan Left $\frac{3}{4}$ View, Seat Cushion Height

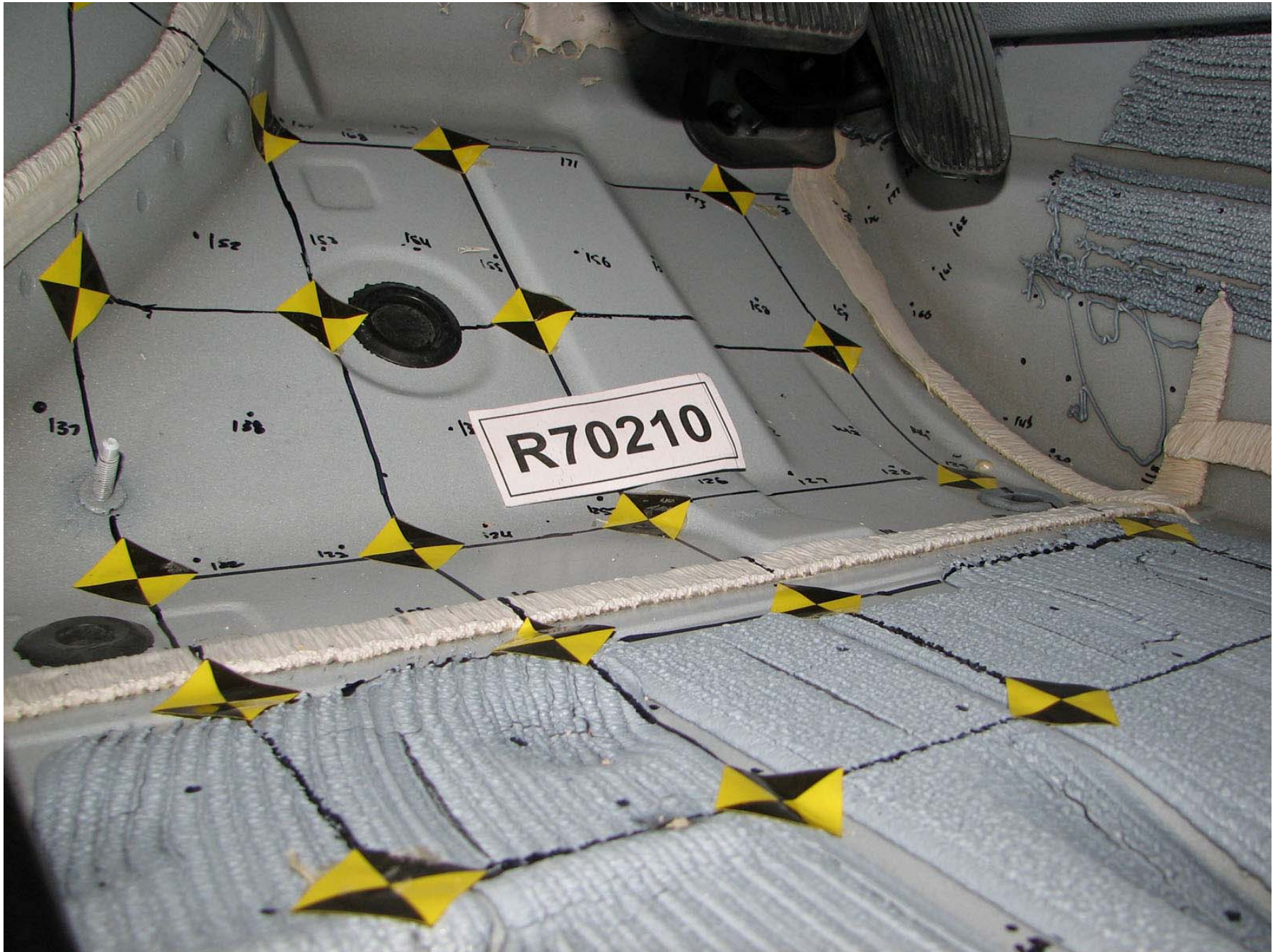


Figure A-576: Bullet Vehicle Pre-Test Driver Floorpan Left $\frac{3}{4}$ View, Sill Height



Figure A-577: Bullet Vehicle Post-Test Driver Floorpan Left $\frac{3}{4}$ View, Sill Height



Figure A-578: Bullet Vehicle Pre-Test Driver Floorpan, Seat Cushion Height



Figure A-579: Bullet Vehicle Post-Test Driver Floorpan, Seat Cushion Height



Figure A-580: Bullet Vehicle Pre-Test Driver Floorpan, Sill Height

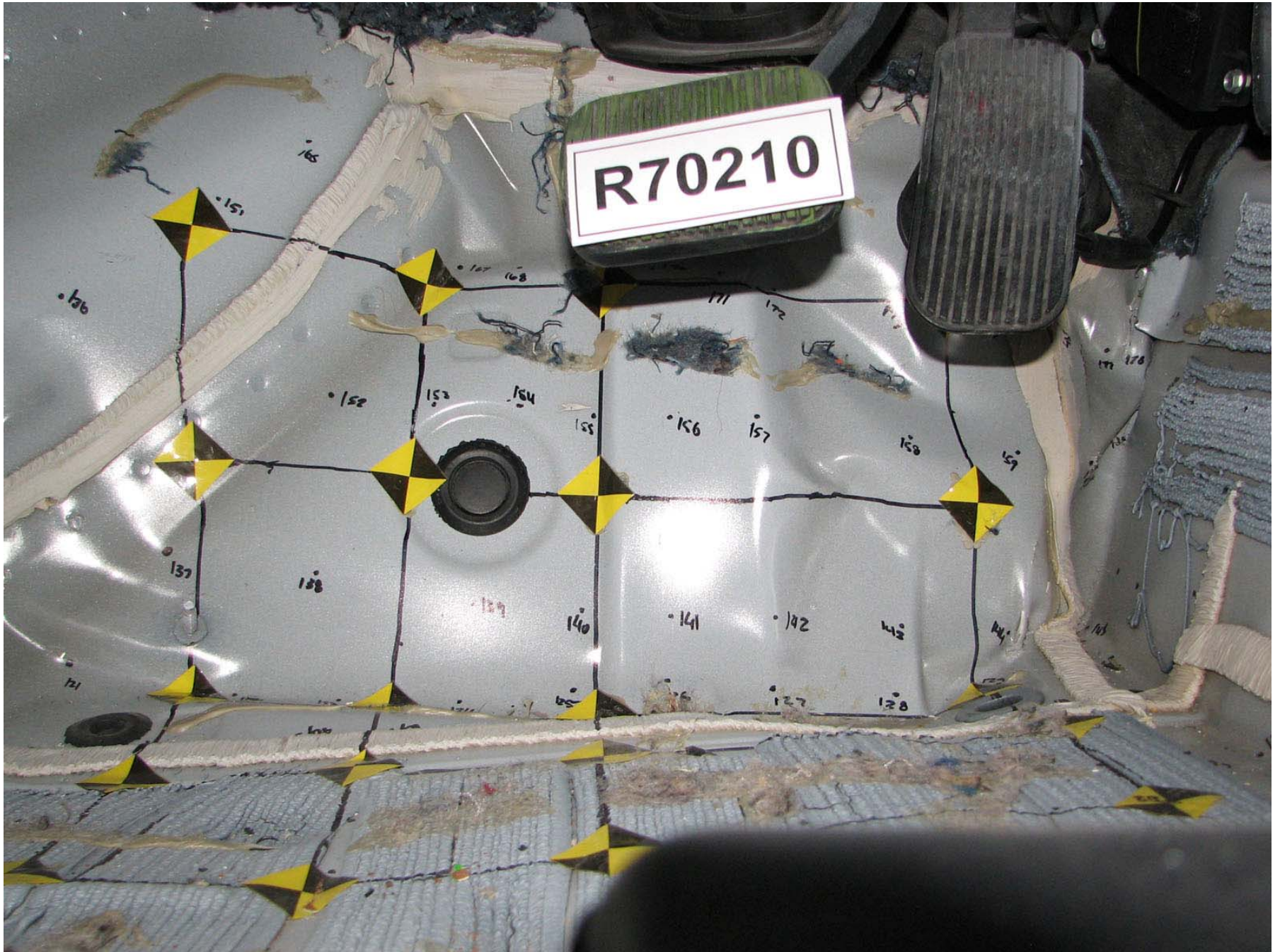


Figure A-581: Bullet Vehicle Post-Test Driver Floorpan, Sill Height



Figure A-582: Bullet Vehicle Pre-Test Driver Floorpan Right ¾ View, Seat Cushion Height



Figure A-583: Bullet Vehicle Post-Test Driver Floorpan Right $\frac{3}{4}$ View, Seat Cushion Height



Figure A-584: Bullet Vehicle Pre-Test Driver Floorpan Right $\frac{3}{4}$ View, Sill Height



Figure A-585: Bullet Vehicle Post-Test Driver Floorpan Right ¾ View, Sill Height

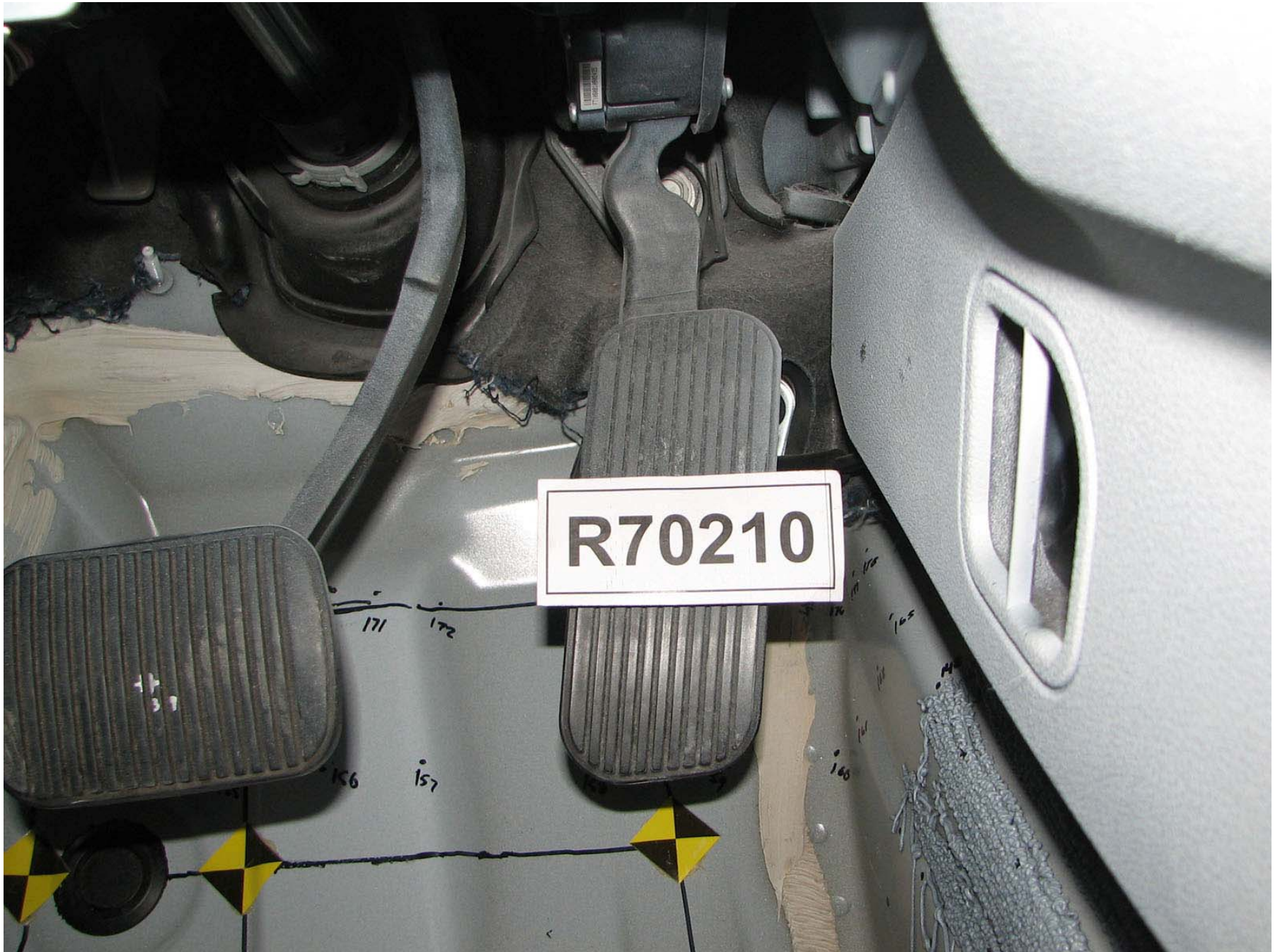


Figure A-586: Bullet Vehicle Pre-Test Accelerator Pedal, Seat Cushion Height



Figure A-587: Bullet Vehicle Post-Test Accelerator Pedal, Seat Cushion Height

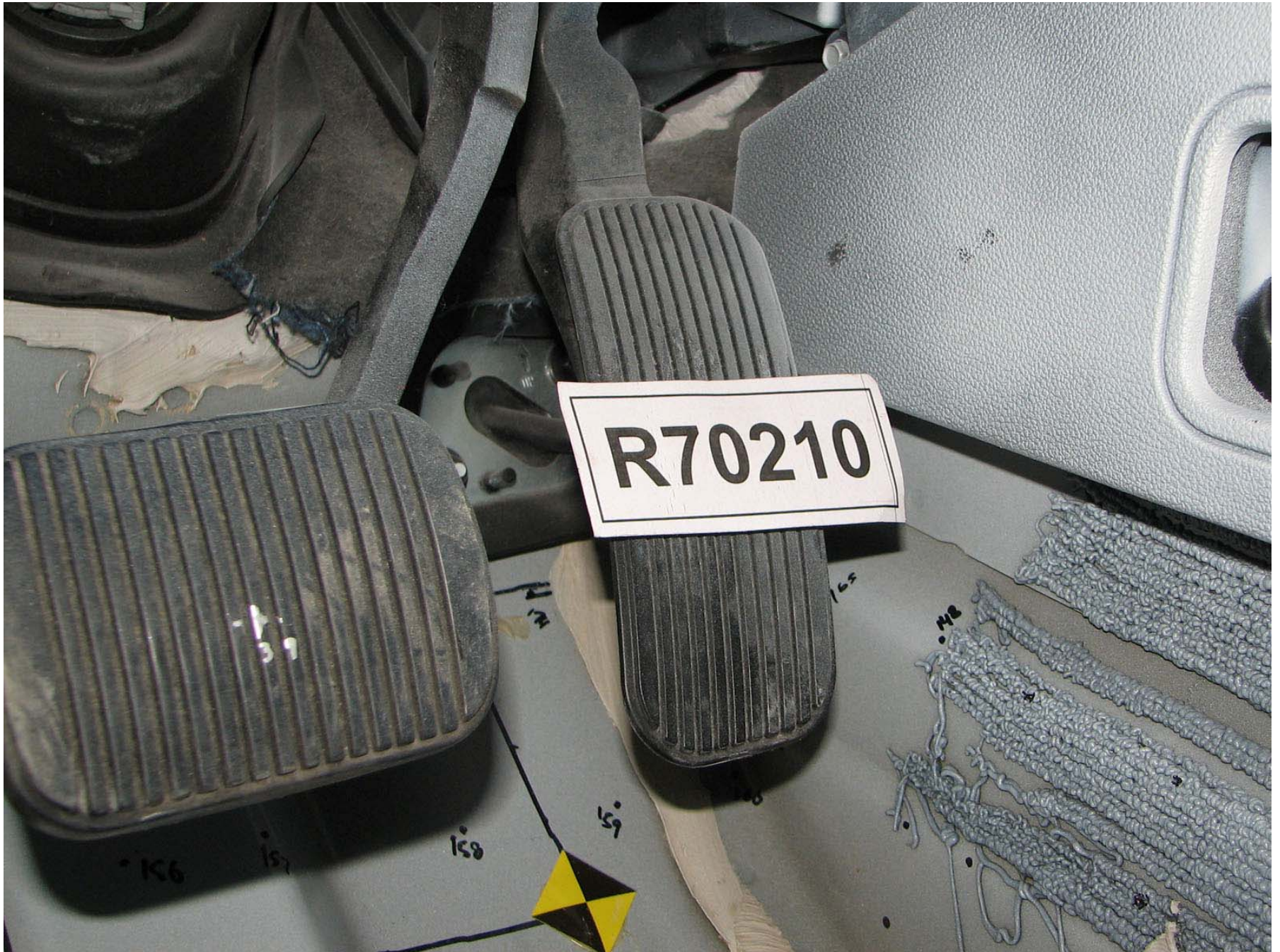


Figure A-588: Bullet Vehicle Pre-Test Accelerator Pedal Side View, In Front of Brake Pedal



Figure A-589: Bullet Vehicle Pre-Test Accelerator Pedal Side View, In Front of Brake Pedal



Figure A-590: Bullet Vehicle Pre-Test Accelerator Pedal Side View, Behind Brake Pedal

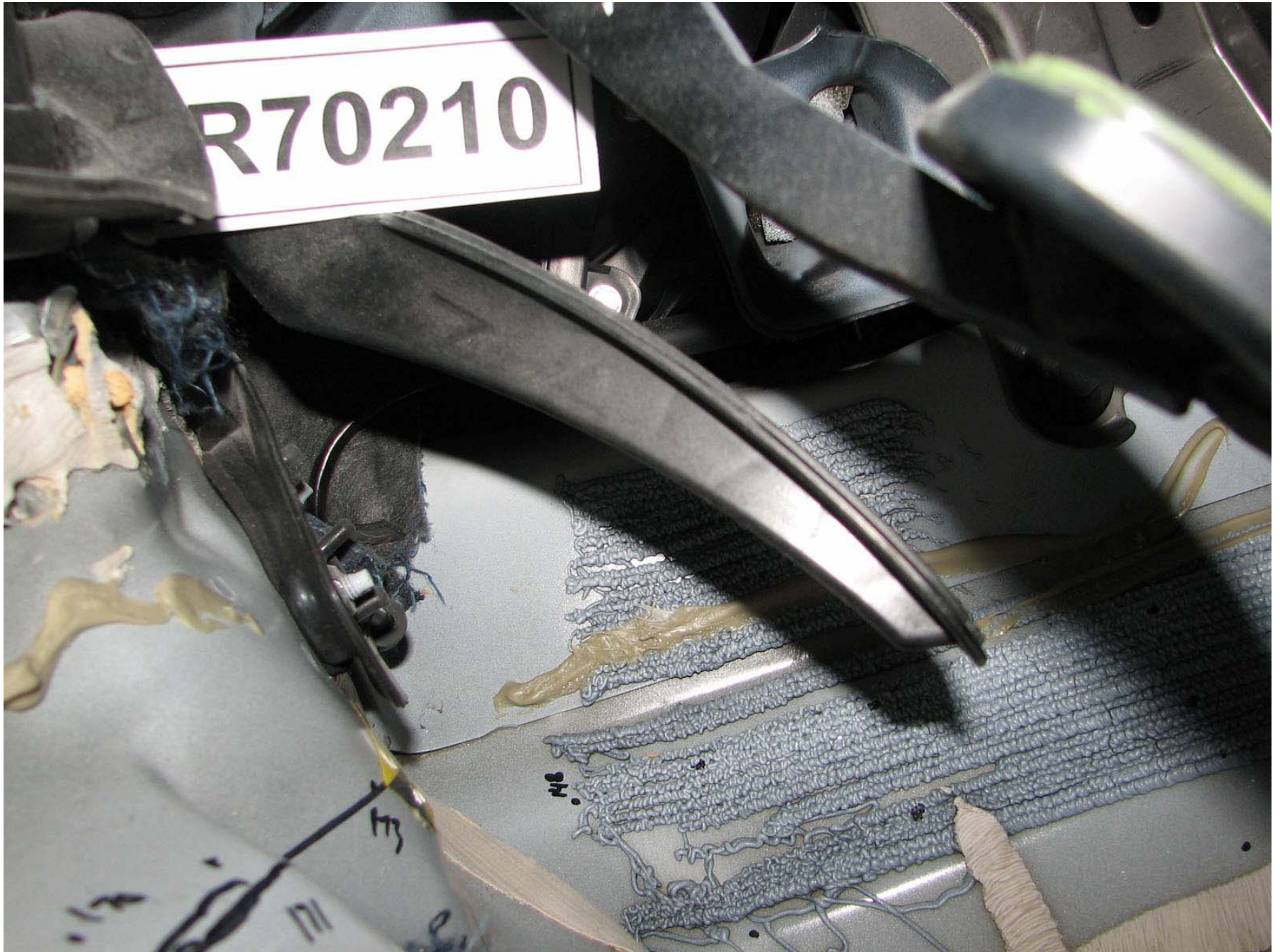


Figure A-591: Bullet Vehicle Post-Test Accelerator Pedal Side View, Behind Brake Pedal

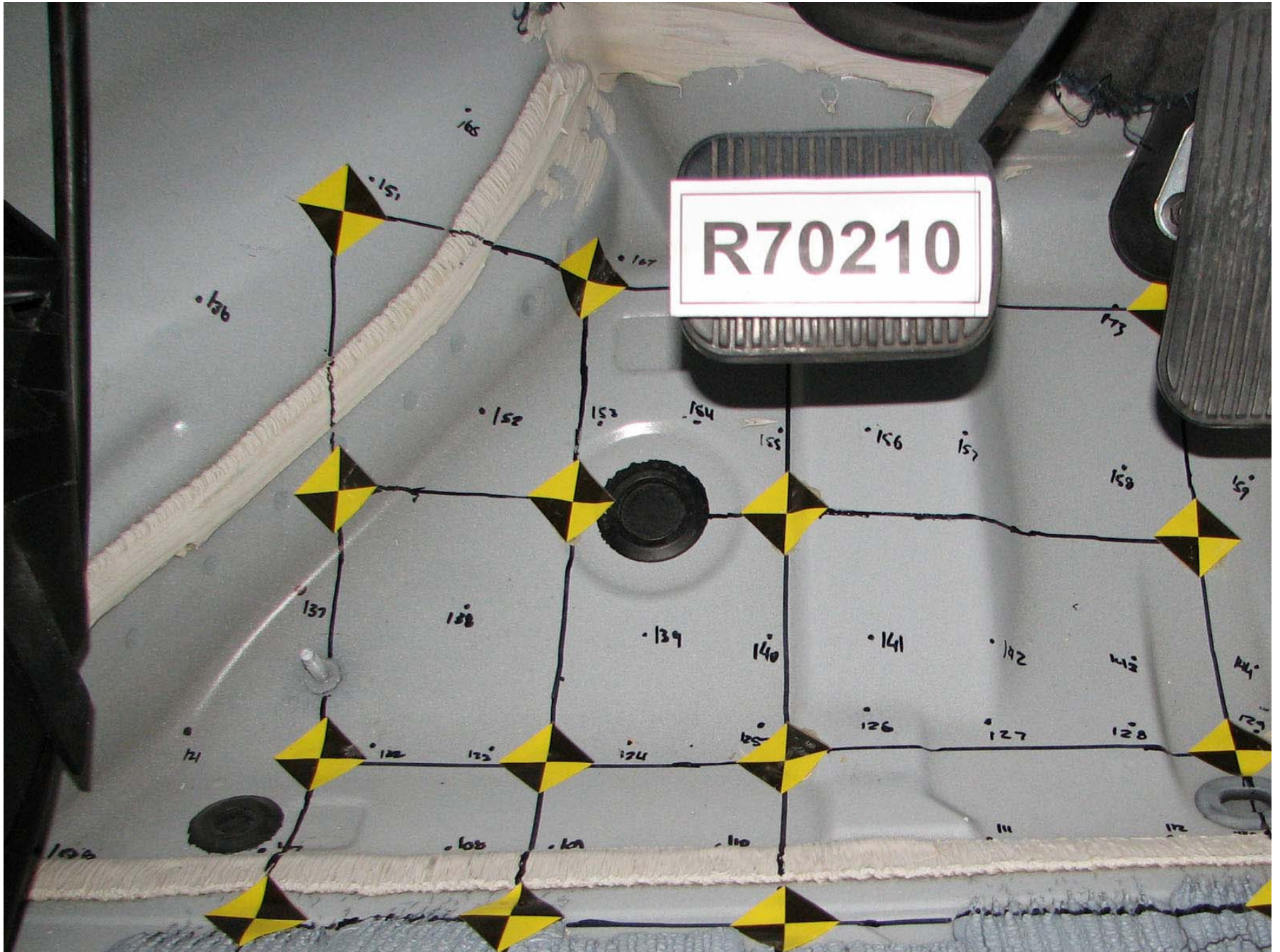


Figure A-592: Bullet Vehicle Pre-Test Foot Rest, Seat Cushion Height



Figure A-593: Bullet Vehicle Post-Test Foot Rest, Seat Cushion Height

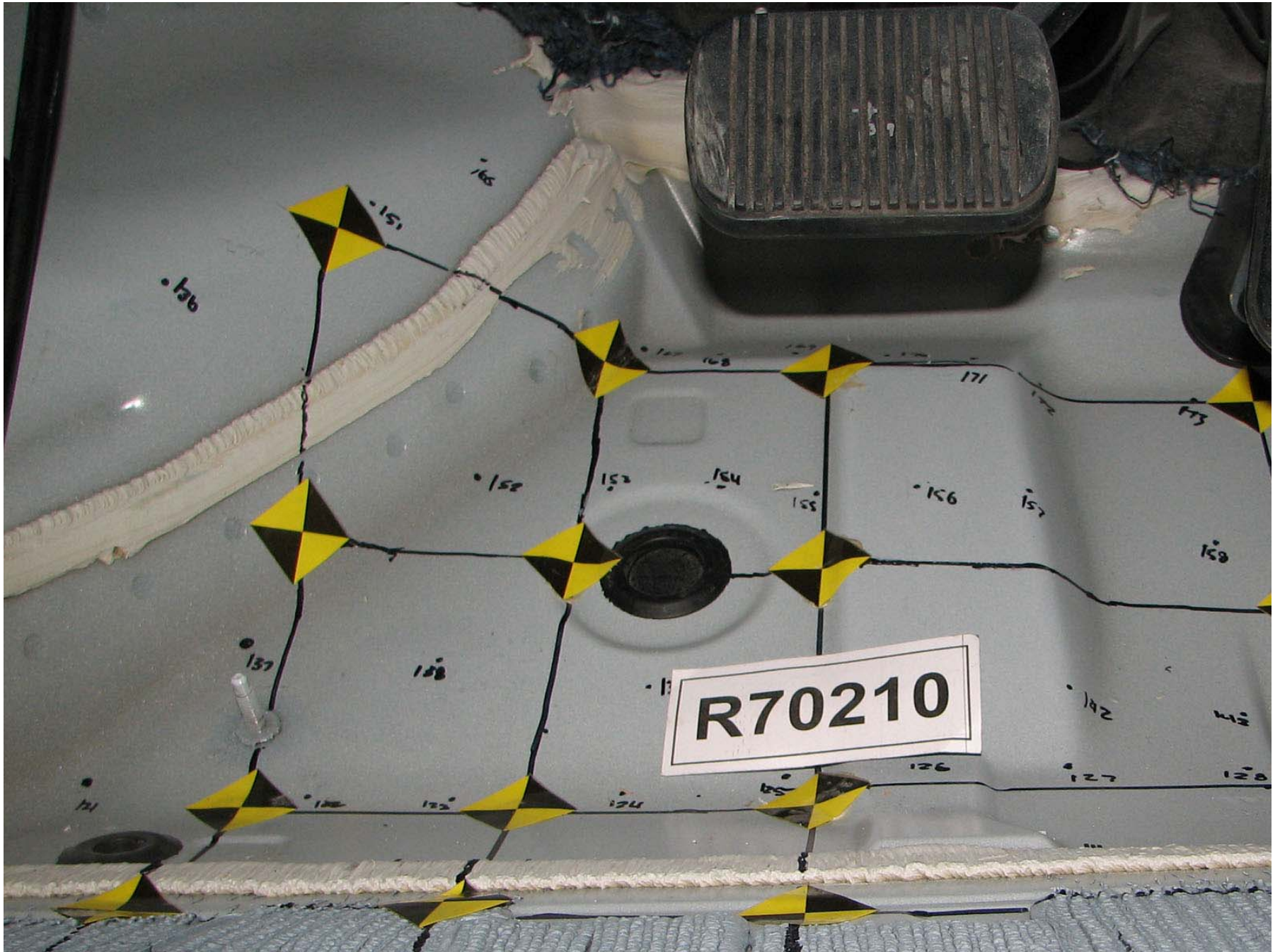


Figure A-594: Bullet Vehicle Pre-Test Foot Rest, Sill Height



Figure A-595: Bullet Vehicle Post-Test Foot Rest, Sill Height



Figure A-596: Bullet Vehicle Pre-Test Structural Member Crush Measurement

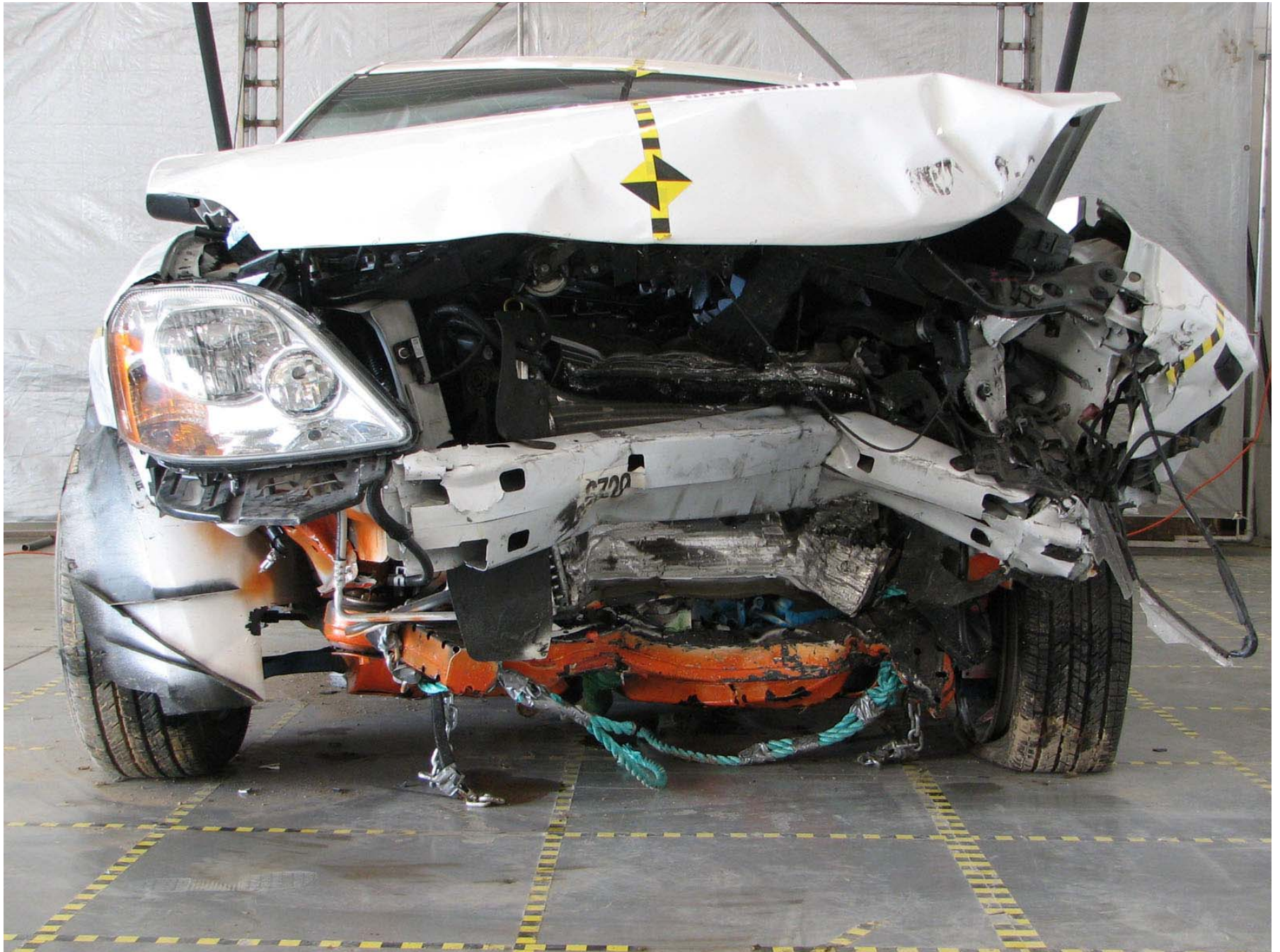


Figure A-597: Bullet Vehicle Post-Test Structural Member Crush Measurement



Figure A-598: Bullet Vehicle Pre-Test Structural Member Crush Measurement

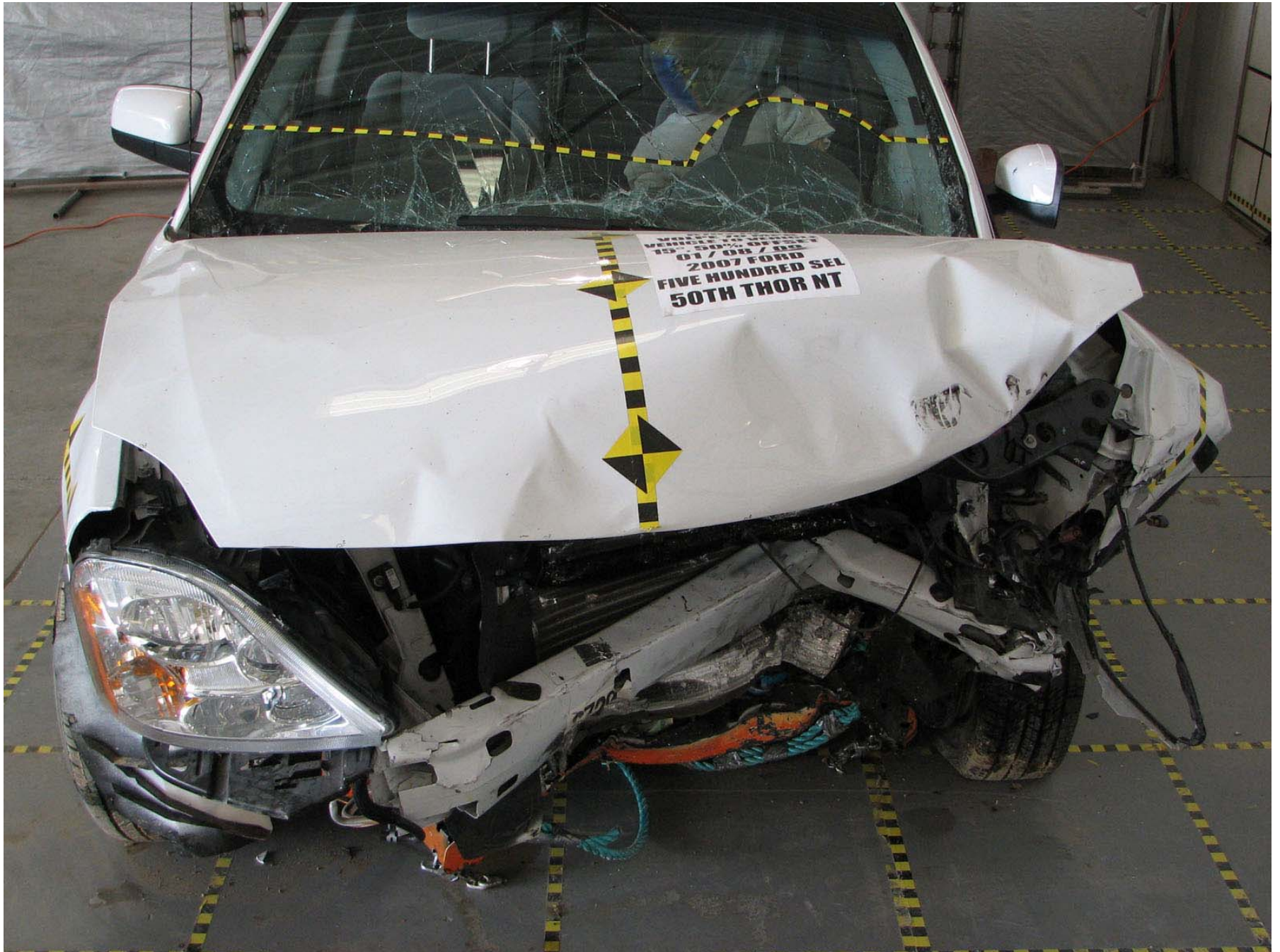


Figure A-599: Bullet Vehicle Post-Test Structural Member Crush Measurement



Figure A-600: Bullet Vehicle Pre-Test Structural Member Crush Measurement



Figure A-601: Bullet Vehicle Post-Test Structural Member Crush Measurement

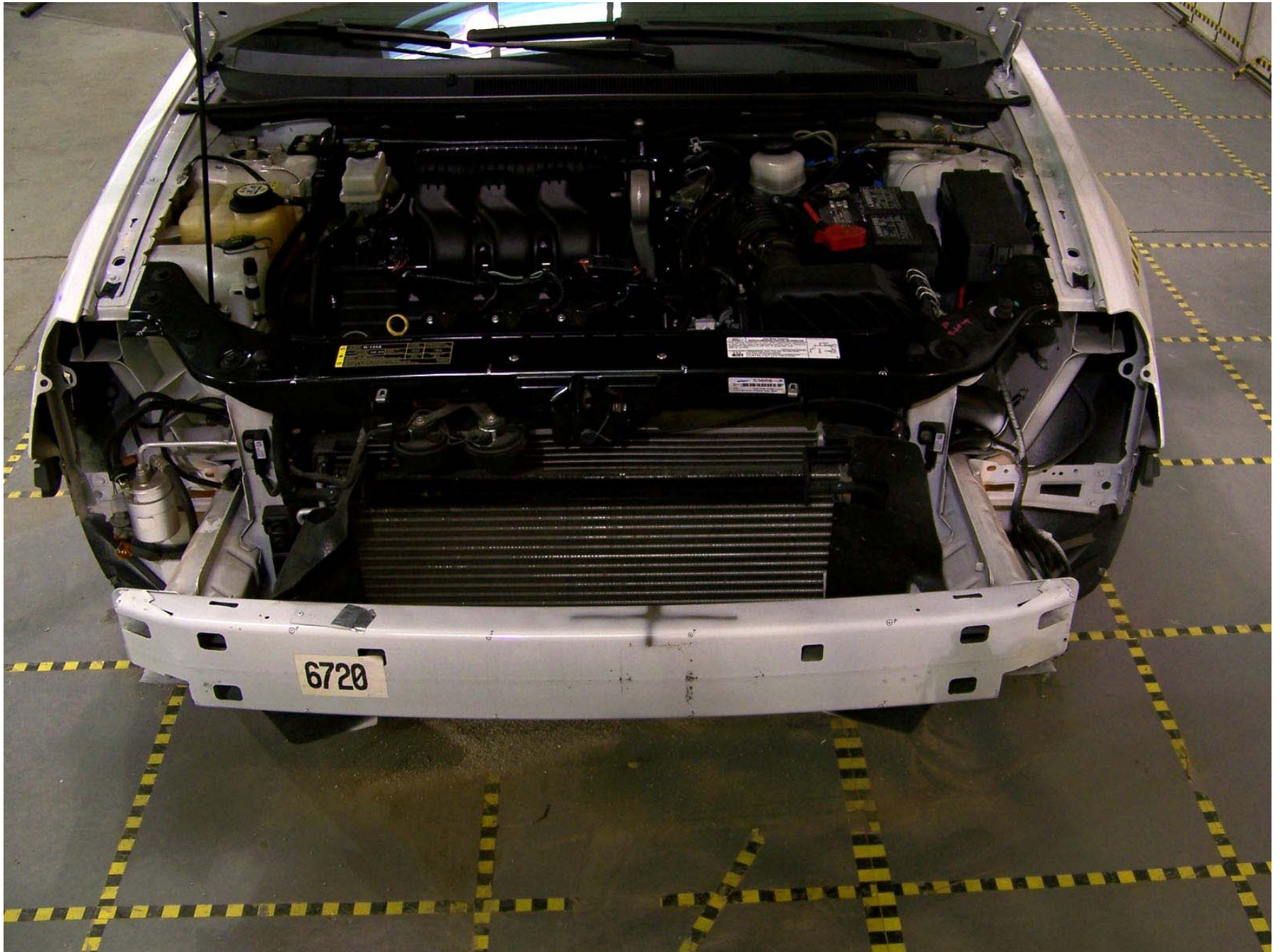


Figure A-602: Bullet Vehicle Pre-Test Structural Member Crush Measurement



Figure A-603: Bullet Vehicle Post-Test Structural Member Crush Measurement



Figure A-604: Target Vehicle on Rollover Device (0°)



Figure A-605: Target Vehicle on Rollover Device (90°)

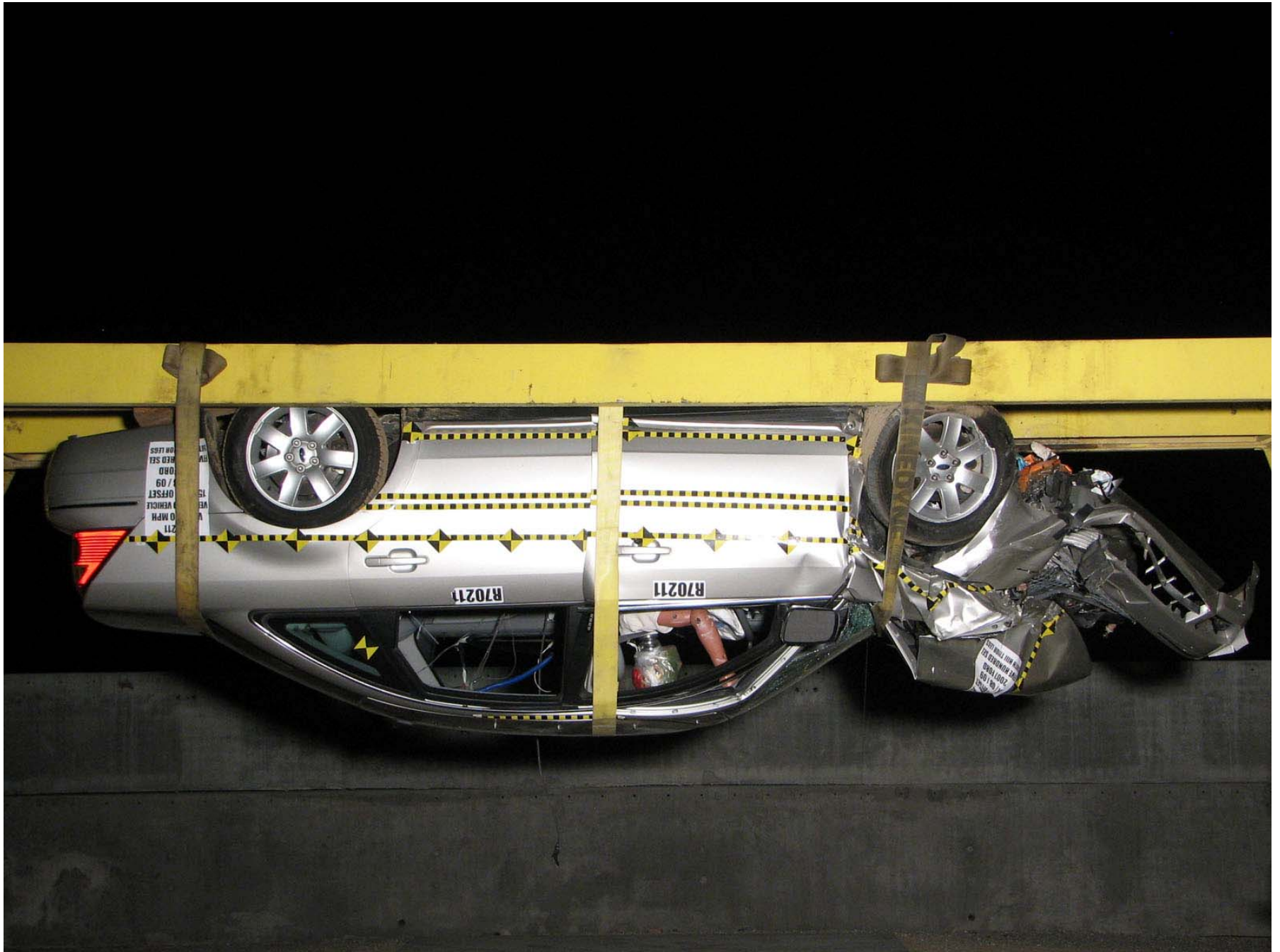


Figure A-606: Target Vehicle on Rollover Device (180°)



Figure A-607: Target Vehicle on Rollover Device (270°)



Figure A-608: Target Vehicle on Rollover Device (360°)

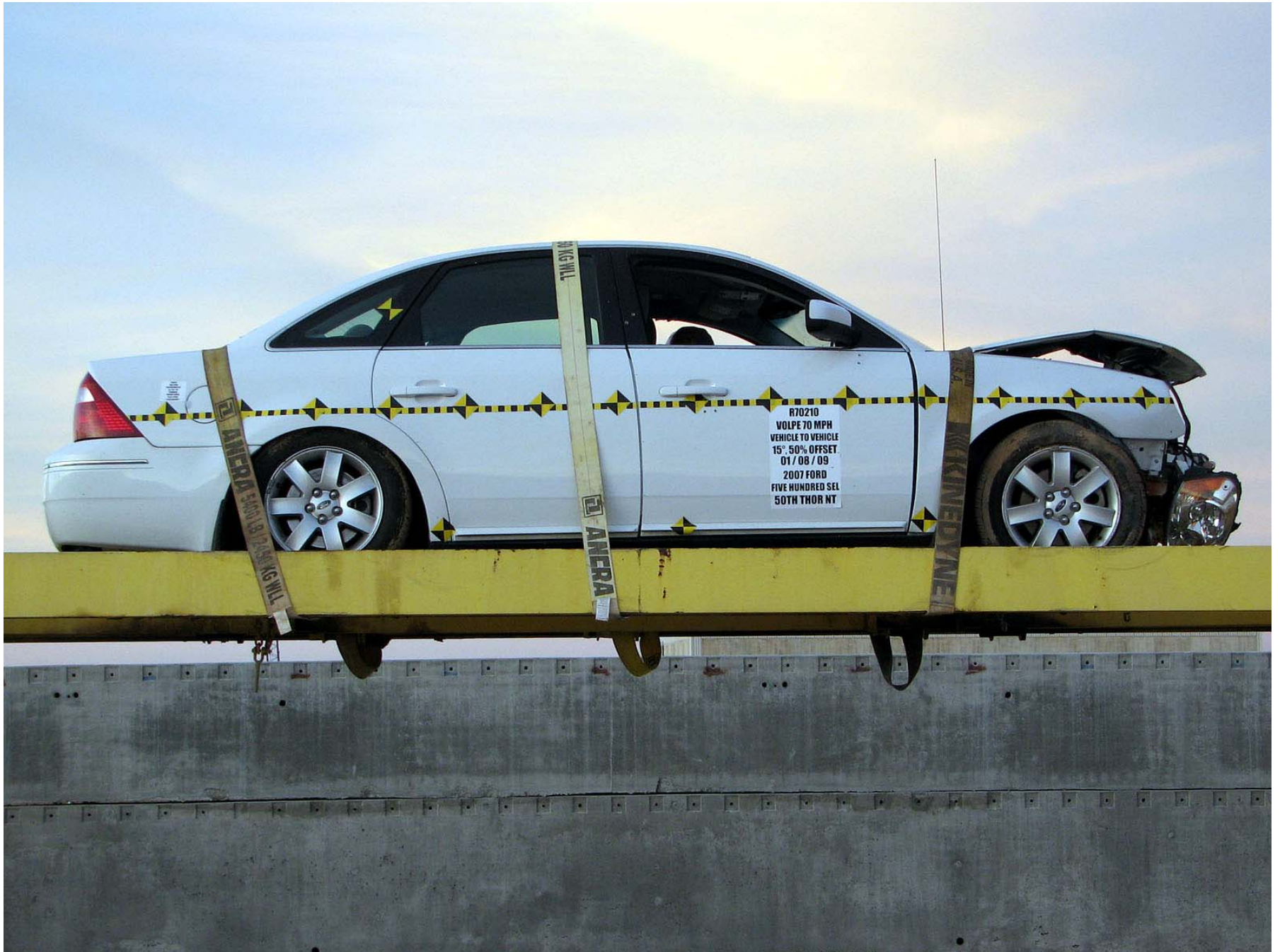


Figure A-609: Bullet Vehicle on Rollover Device (0°)



Figure A-610: Bullet Vehicle on Rollover Device (90°)

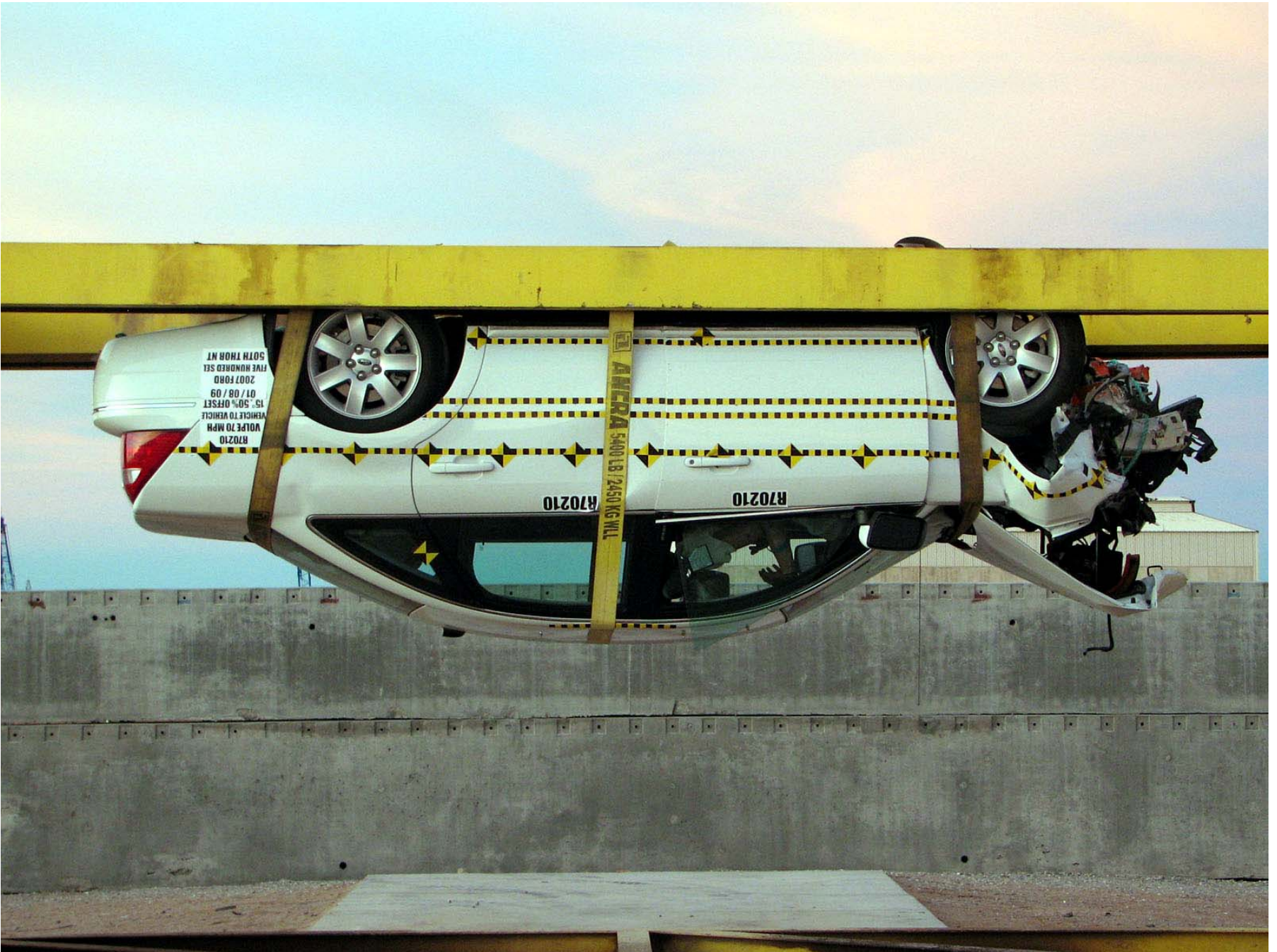


Figure A-611: Bullet Vehicle on Rollover Device (180°)

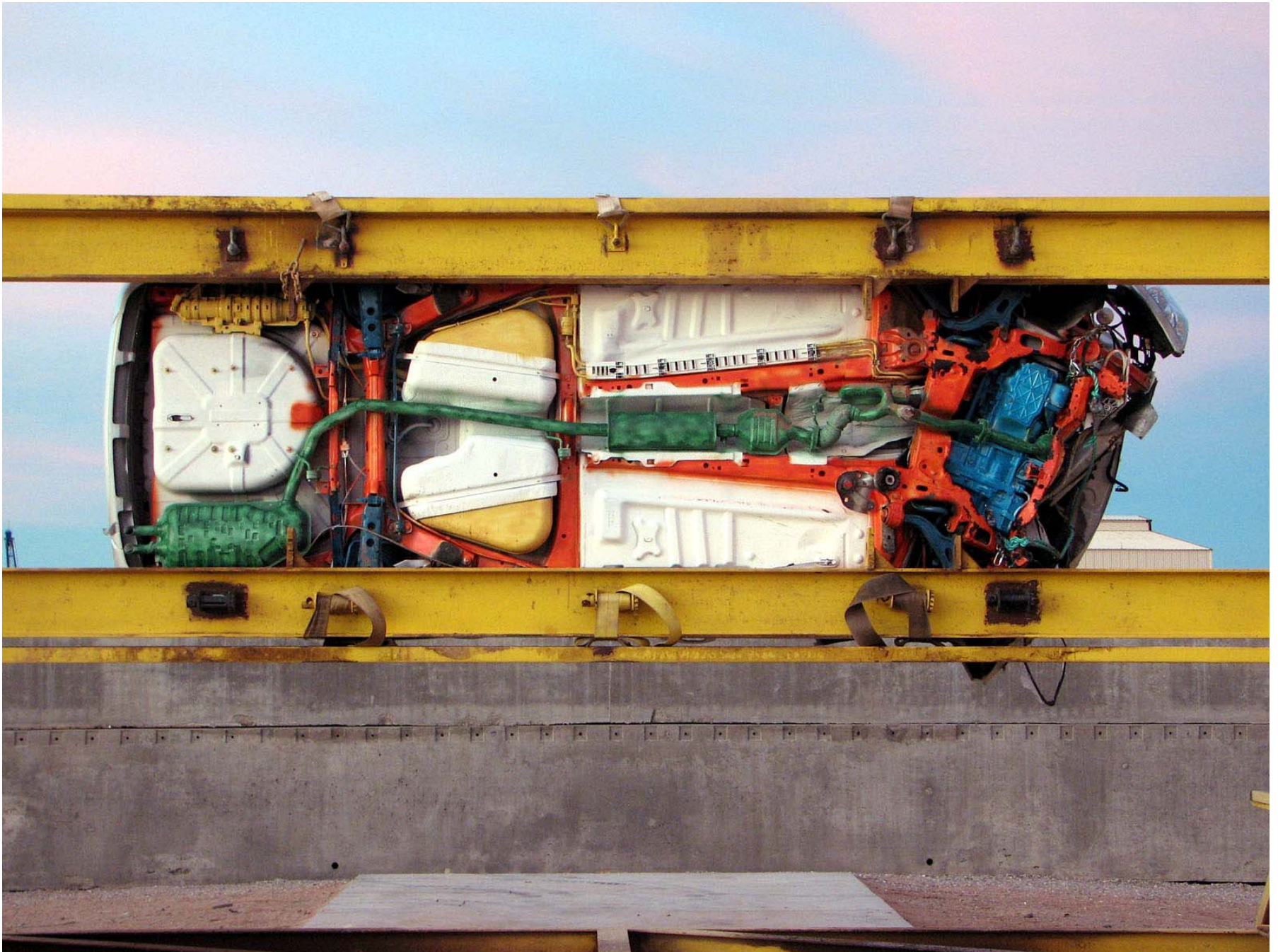


Figure A-612: Bullet Vehicle on Rollover Device (270°)

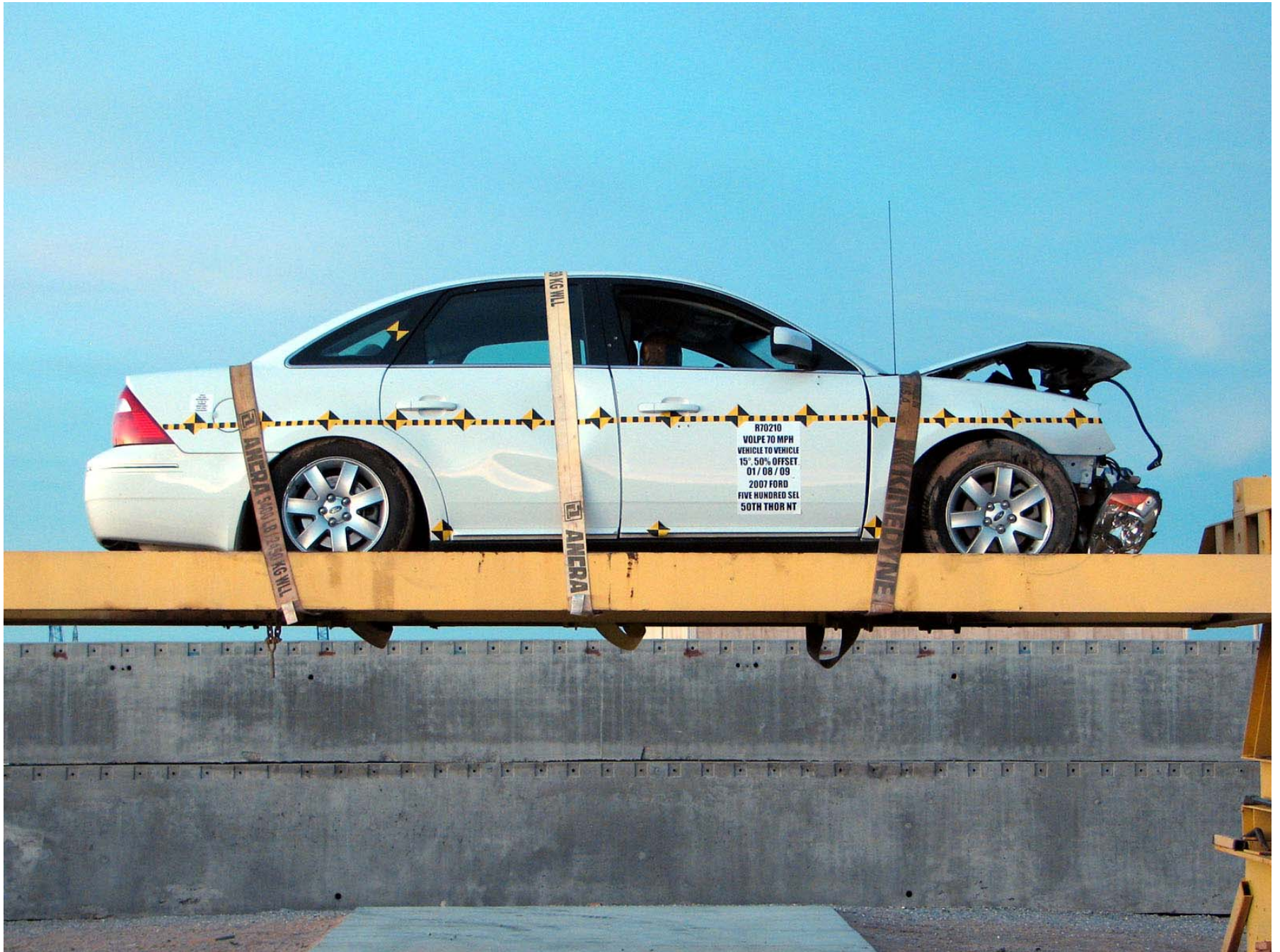


Figure A-613: Bullet Vehicle on Rollover Device (360°)



Figure A-614: Vehicle Impact