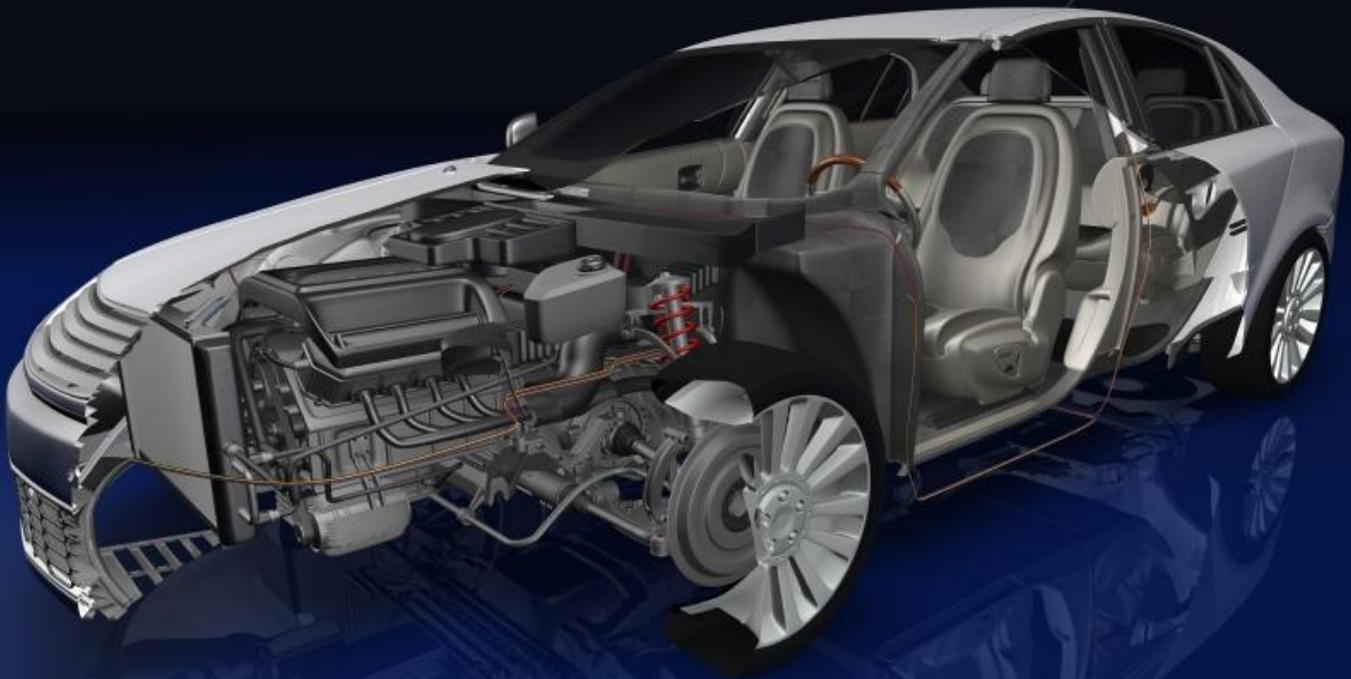




Guide to Complete Repair Planning

Operations Reference Handbook



This guide is owned by and maintained by the Society of Collision Repair Specialists. If you have suggestions to update the guide in future editions, please submit your suggestions to info@scrs.com

The Society of Collision Repair Specialists (SCRS) recognizes that there are many legitimate operations and services our technicians provide that go unrecognized in the estimate development and final billing processes. The purpose of this document is to aid repair facility personnel in formulating the most accurate repair plan in the estimate preparation process, to minimize the need or expense of a supplement. This document is intended to be used as a guide to develop and maintain processes performed in your repair facility, and serves as a reminder of steps that may be performed during the repair process. This document does not suggest, or promote, that your shop can or should charge for each item listed; and is only intended to be a reminder for repair operations that are performed in your facility.

The document does not contain pricing, quantities, labor hours or any additional information as that should be determined based on your facility's individual requirements. All recipients of this document are herewith notified that the materials presented herein are not to be construed as information or direction to take concerted actions. Information can be utilized by individuals acting within their own judgment.

BASF AUTOMOTIVE REFINISH COATINGS



LIMCO

NORBIN



Labor Category Legend – By Color:

- **Body**
- **Paint**
- **Structural**
- **Mechanical**
- **Detail**
- **Other**

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180. FINAL BILL / MISCELLANEOUS		

DESCRIPTION	MATERIAL SUBLET PRICE	MINIMUM LABOR UNITS
01 - FRONT AND REAR BUMPERS:		
1. FEATHERFILL, SAND AND BLOCK REPAIR AREA		
2. REMOVE BUMPER MOLDING ADHESIVE		
3. DRILL FOR LICENSE PLATE		
4. R&I LICENSE PLATE		
5. LICENSE PLATE, REPAIR		
6. LOOSEN/PULL BACK BUMPER COVER		
7. CCC BUMPER PROMPT *ADD BACK OVERLAP + CLEAR*		
8. R&I FOG LAMPS		
9. R&I TRAILER HITCH (ON BUMPER)		
10. AIM FOG LAMPS		
11. R&I CAMERA AND WIRING		
12. TRIAL FIT BUMPER		
13. R&I TRAILER HITCH (FRAME BOLT-ON TYPE)		
14. R&I OR R&R SENSORS (SRS-AMBEINT TEMP- ETC)		
15. REPAIR BUMPER BRACKET AND/OR OTHER COMPONENTS		
16. REPAIR BUMPER BRACKET MOUNT AREA		
17. REPAIR ELECTRICAL WIRING TO LAMP LIGHTS		
18. REFINISH O.E.M "RAW" BUMPER		
19. REFINISH, SECOND COLOR ON BUMPER COVER		
20. REFINISH, BLACK-OUT ON BUMPER COVER		
21. PAINT PREP & CLEAN UP USED BUMPER		
22. MASK UNPAINTED AREAS ON BUMPER COVER		
23. MASK BUMPER COVER FOR PRIMER APPLICATION		
24. FLEXIBLE PARTS ADHESION PROMOTOR APPLICATION		
25. REPLACE MINI BULBS		
26. RAW BUMPER PREP KIT		
27. BUMPER FASTENERS/RETAINERS (KIT)		
28. URETHANE BUMPER REPAIR KIT (MATERIALS)		
29. FLEXIBLE PARTS ADDITIVE		



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05 - HOOD:		
30. R&I WINDSHIELD WASHER NOSSELS (REPAIR SITUATION)		
31. R&I HOOD INSULATION		
32. WINDSHIELD WASHER HOSE RETAINERS (MORE THAN ONE DESIGN)		
33. REPAIR HOOD LATCH		
34. REPAIR HOOD HINGES AND/OR HINGE MOUNT AREA		
35. ACCESS TIME TO REVEAL DAMAGE		
36. FEATHEREDGE, FILL SAND AND BLOCK (REPAIRED HOOD)		
37. SEAM SEAL INNER EDGE OF NEW HOOD		
38. R&I OR R&R HOOD HINGE		
39. R&I COWL VENT PANEL (ACCESS TO HINGE)		
40. TEST FIT HOOD		
41. MIX PAINT FOR UNDERSIDE SECOND COLOR (ADD FOR 3 RD AND 4 TH COLOR)		
42. COLOR TINT & TEST FOR UNDER SIDE SECOND COLOR		
43. MASK HOOD INNER EDGES		
44. WINDSHIELD WASHER HOSE FASTENER-S (1 ST DESIGN)		
45. WINDSHIELD WASHER HOSE FASTENERS (2ND DESIGN)		
46. HOOD INSULATION RETAINER FASTENERS, REPLACE		
47. HOOD FRONT SEAL/ FASTENERS		
48. HOOD REAR SEAL/ FASTENERS		
49. ALUMINUM MATERIAL LABOR RATE		
50. HOOD LABELS ***HOW MANY?****		
10 - FENDER:		
51. R&I TIRE WHEEL		
52. R&I FENDER LINER		
53. R&I FENDER MOLDINGS, EMBLEMS AND FLARE		
54. R&I MUD FLAP		
55. R&I ROCKER COVER		
56. REPLACE ROCKER COVER FASTENERS (TWO DESIGNS?)		
57. REPLACE FENDER FLARE FASTENERS		
58. CLEAN AND RETAPE FENDER MOLDING-S AND EMBLEM		
59. REPLACE LINER FASTENERS		
60. FEATHEREDGE, FILL SAND AND BLOCK REPAIRED FENDER		
61. CAVITY WAX		
62. REMOVE FACTORY INSTALLED ADHESIVE FOR ACCESS		
63. ALIGN ADJACENT PANEL-S TO FENDER		
64. ANTENNA BASE CORROSION, REPAIR		
65. MASK FENDER JAMS AND OPENINGS		
66. FENDER MLDG CLADDING PREP FOR "RAW"		
67. GRAVEL GUARD		
68. REMOVE STRIPES **ERASER WHEEL**		
69. FENDER BLACK OUT SECOND COLOR		
15 - CORESUPPORT:		
70. ACCESS/PRE-PULLING		
71. PROTECT ENGINE COMPARTMENT COMPONENTS		
72. REPAIR CUT WIRING		
73. ACQUIRE RADIO CODE		
74. RESET MEMORY FUNCTIONS		
75. MEMORY "SAVER" COLLISION TOOL		
76. REMOVE CAULKING & SEAM SEALER		



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77. TEST FIT PARTS ATTACHED TO CORESUPPORT		
78. PULL BACK WIRE HARNESS		
79. REPAIR WIRE HARNESS FASTENERS		
80. CLOSE/SECURE OPEN TUBES AND LINES		
81. FEATHER AND FILL WELDS AT WELD LOCATIONS		
82. R&I WHEELS		
83. R&I ROCKER COVERS AND/OR MUD FLAPS		
84. R&I FENDERS (ADD FOR SPLASH SHIELDS & FASTENERS)		
85. R&I ENGINE UNDERCOVER SHIELD		
86. R&I WINDSHIELD WASHER RESERVOIR		
87. R&I AC DRIER		
88. R&I AIR INTAKE DUCTING, AND/OR REPAIR		
89. R&I RADIATOR OVERFLOW TANK, AND/OR REPAIR		
90. R&I SECOND BATTERY		
91. R&I BATTERY TRAY		
92. R&I COMPONENTS ATTACHED BY WELDING/RIVETING		
93. REPAIR LEFT AND RIGHT APRON PANELS, AND PAINT		
94. REPAIR LEFT AND RIGHT UPPER RAILS, AND PAINT		
95. REPAIR LEFT AND RIGHT FRAME RAIL ATTACHMENT AREA		
96. AIM LIGHTS		
97. REMOVE SURFACE CORROSION/ROAD TAR/GREASE		
98. WRAP MASK WIRE HARNESS		
99. MASK BAG ENGINE		
100. MASK A/C LINES-HOSES-HARNESES & COMPONENTS		
101. MIX PAINT FOR UNDERSIDE COLOR		
102. SECOND COLOR BLACK-OUT		
103. SPOT PAINT LEFT AND RIGHT FRAME AT WELDED AREAS		
104. SPOT PAINT/BLEND APRON PANEL DAMAGED BY WELDING		
105. REPLACE WIRE HARNESS FASTENERS		
106. REPLACE INFORMATION LABELS **HOW MANY?****		
107. REPLACE HOOD PROP GRUMMET		
108. REPLACE CAULKING AT SEAMS		
109. UNDERCOAT (SECOND COLOR)		
110. CAVITY WAX		
111. COBALT DRILL BIT (BORON-TRIP-UZI BOR)		
112. COLATERAL DAMAGE FROM THE REPAIR PROCESS (BUILD SEQUENCE)		
113. WELD-THROUGH PRIMER		
20 - RADIATOR, AC AND FLUIDS:		
114. REPAIR RADIATOR		
115. REPAIR FAN SHROUD(S)		
116. REPAIR AC CONDENSER/LINES		
117. FLUSH LKO CONDENSER/LINES		
118. FLUSH LKO RADIATOR/LINES		
119. REPAIR AC LINES & TUBES		
120. REPLACE RADIATOR "O"-RINGS **TRANS**		
121. REPAIR TRANS COOLER/LINES		
122. REPAIR WIRING/FASTENERS ATTACHED TO FAN SHROUDS		
123. PRESSURE TEST COOLING SYSTEM		
124. BLEED COOLING SYSTEM		
125. TEST AC SYSTEM/CONTIMANITES		
126. RECOVER AC FREON		



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127. EVACUATE & RECHARGE AC SYSTEM		
128. TEST KIT REFRIGERANT RECOVERY		
129. COOLANT, OEM RECOMMENDED PER GALLON		
130. VACUUM FILL RADIATOR		
131. TRANSMISSION FLUID (PINT)		
132. STEERING FLUID (PINT)		
133. WINDSHIELD WASHER FLUID		
134. R-134 FREON AND OIL (TWO POUNDS)		
135. O-RING SEAL KIT FOR AC LINES		
25 - APRON/UPPER RAIL:		
136. PRE-PULL/ACCESS		
137. REMOVE CAULKING & SEAM SEALER		
138. REPLACE CAULKING AND SEAM SEALER (NEW PART)		
139. TEXT COAT, SPRAYABLE SEALER		
140. UNDERCOAT, BLACK		
141. EXPANSION FOAM		
142. CAVITY WAX RUSTPROOFING		
143. WELD-THROUGH PRIMER		
144. TEST FIT ADJACENT PARTS		
145. R&I CRUISE CONTROL UNIT, AND/OR REPAIR		
146. R&I ELECTRONIC CONTROL MODULE, AND/OR REPAIR		
147. R&I AIR INTAKE DUCTING, AND/OR REPAIR		
148. R&I AC TUBING AND HOSE		
149. R&I SRS SENSOR		
150. R&I WINDSHIELD RESERVOIR, AND/OR REPAIR		
151. R&I BATTERY TRAY		
152. R&I FUSE BOX, AND/OR REPAIR		
153. R&I EMISSION CANISTOR AND HOSES, AND/OR REPAIR		
154. R&I CAB INTERIOR COMPONENTS (INNER TRIM, DASH, HEATER BOX / AC)		
155. PULL BACK WIRE HARNESS		
156. FEATHER AND FILL CONTOUR REPAIR AREAS		
157. FEATHER AND FILL WELDS		
158. COLATERAL DAMAGE FROM THE REPAIR PROCESS (BUILD SEQUENCE)		
159. COBALT DRILL BIT (BORON-TRIP-UZI BOR)		
160. CLEAN FILE AND DEBUR WELD AREA		
161. REPAIR ADJOINING PANELS DAMAGED BY WELDING		
162. WRAP MASK WIRE HARNESS AT APRON		
163. WRAP MASK ENGINE		
164. SECOND COLOR, ENGINE SIDE (CUSTOM COLOR MATCH)		
165. THIRD COLOR, FENDER SIDE (CUSTOM COLOR MATCH)		
166. BLACK-OUT ON APRON, SECOND OR THIRD COLOR		
167. UNDERSIDE SECOND COLORS, REFINISH		
30 - WHEELS/TIRES/WHEEL ALIGNMENT:		
168. REPLACE VALVE STEMS AND WEIGHTS		
169. MOUNT & BALANCE TIRE		
170. R&I WHEEL COVERS		
171. TIRE DISPOSAL FEE		
172. REPAIR RIM EDGE, POLISH SKUFF MARKS		
173. ROTATE TIRES		
174. RESET TIRE PRESSURE SENSORS		



Labor Category Legend – By Color:

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175. R&I WHEEL COVERS TO MOUNT ALIGNMENT HEADS		
176. FOUR WHEEL ALIGNMENT		
177. ECENTRIC ALIGNMENT KIT (PER SIDE)		
178. INSPECT SUSPENSION COMPONENTS FOR DAMAGE		
35 - SUSPENSION/MECHANICAL:		
179. BLEED BRAKES AND ADD FLUID (<i>PINT</i>)		
180. BLEED BRAKES (ABS)		
181. RESET ABS SYSTEM WITH SCANNER		
182. SHIFT CROSSMEMBER		
183. MEMORY "SAVER" COLLISION TOOL		
184. SHIFT ENGINE CRADLE		
185. ADJUST LINKAGE-S		
186. DRAIN & TRANSFER FUEL		
187. CHECK RUN-OUT ON WHEEL (NEEDED TO FOR BALANCE)		
40 - SRS/SEAT BELTS:		
188. CLEAN UP DEPLOYED AIR BAG RESIDUE		
189. REPAIR SEAT FRAME		
190. INSPECT SEAT BELTS		
191. CLEAR SRS FUNCTION CODE ON DASH		
192. INSPECT SRS WIRING		
45 - PILLARS:		
193. PRE-PULL PILLAR		
194. REMOVE CAULKING AND SEAM SEALER		
195. REPLACE CAULKING AND SEAM SEALER		
196. EXPANSION FOAM		
197. CAVITY WAX RUSTPROOFING		
198. WELD-THRU PRIMER		
199. FABRICATE PILLAR SLEEVE INSERTS		
200. TEST FIT PARTS ADJACENT TO PILLAR		
201. R&I SEAT TO ACCESS PILLAR REPAIRS/REPLACEMENT		
202. COLBALT BIT UHSS		
203. PULL BACK WIRE HARNESS		
204. FEATHER & FILL CONTOUR REPAIR AREA		
205. REPAIR/DRESS WELDS AT FLANGES		
206. CLEAN FILE AND DEBUR WELD AREA		
207. COLATERAL DAMAGE FROM THE REPAIR PROCESS (BUILD SEQUENCE)		
208. WRAP MASK WIRE HARNESS		
209. MASK TO PROTECT INTERIOR		
210. SPOT REFINISH INNER SIDE OF PILLAR		
211. REFINISH SECOND COLOR BLACK-OUT ON PILLAR		
50 - ROCKERS:		
212. PRE-PULL ROCKER		
213. REMOVE CAULKING & SEAM SEALER		
214. REPLACE CAULKING & SEAM SEALER		
215. EXPANSION FOAM		
216. TEXT COAT		
217. CAVITY WAX		
218. WELD-THRU PRIMER		
219. FABRICATE ROCKER SLEEVE INSERTS		
220. TEST FIT PARTS ADJACENT TO ROCKER		



Labor Category Legend – By Color:

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221. GRAVEL/STONE GUARD (**NOTE THE THICKNESS**) PER TUBE		
222. R&I SEAT		
223. R&I SEAT BELT-S		
224. PULL BACK CARPET AND PADDING		
225. STONE GUARD DECAL		
226. PULL BACK WIRE HARNESS		
227. REPAIR/DRESS WELDS AT FLANGES		
228. REPAIR INNER ROCKER		
229. REPAIR A-PILLAR AT WELD AREA		
230. REPAIR CENTER PILLAR AT WELD AREA		
231. REPAIR FLOOR AT WELD AREA		
232. REPAIR ¼ PANEL AT WELD AREA		
233. CLEAN FILE AND DEBUR WELD AREA		
234. COLATERAL DAMAGE FROM THE REPAIR PROCESS (BUILD SEQUENCE)		
235. COBALT DRILL BIT (BORON-TRIP-UZI BOR)		
236. FEATHER & FILL CONTOUR REPAIR AREAS		
237. WRAP MASK WIRE HARNESS		
238. MASK TO PROTECT INTERIOR		
239. MASK FOR PRIMER APPLICATION		
240. PREP FOR ROCKER PANEL MLDG CLADDING "RAW"		
241. REFINISH INNER ROCKER		
242. REFINISH A-PILLAR		
243. REFINISH CENTER PILLAR		
244. REFINISH FLOOR AREA		
245. REFINISH LOCK POST		
246. REFINISH ¼ PANEL AT WELD AREA		
247. REFINISH BLACK-OUT AT ROCKER		
248. TEXT COAT ROCKER, OUTER (MASKING REQUIRED)		
249. TEXT COAT ROCKER, BACK SIDE		
55 - DOOR SKIN/SHELL:		
250. DISCONNECT AND RECONNECT BATTERY		
251. PROTECT INTERIOR FOR PROTECTION		
252. ACQUIRE RADIO CODE & PLACE TO OFF POSITION		
253. RESET MEMORY FUNCTIONS		
254. REMOVE ADHESIVE AT INTRUSION BEAM, BELT REINF & DR EDGE		
255. REPLACE CAULKING & SEAM SEALER		
256. WELD-THRU PRIMER		
257. CAVITY WAX		
258. FLUTTER BONDING		
259. SOUND DEADENER PAD-S		
260. CLEAN & RETAPE ADHESIVE DOOR MOLDING		
261. REPLACE DOOR EDGE GUARD MOLDING		
262. REPAIR VAPOR BARRIER WEATHER SHIELD		
263. REPLACE VAPOR BARRIER, (OEM)		
264. REPLACE BELT MOLDING FASTENERS		
265. TEST FIT DOOR BEFOR WELD-BONDING		
266. REPAIR EDGE OF DOOR SHELL, (REMOVAL DISTORTION)		
267. RE-BOND INTRUSION BEAM/BELT REINSTALL FLUTTER MATERIAL		
268. DOOR SKIN BONDING KIT		
269. ADJUST/RECALIBRATE POWER DOOR LOCK SYSTEM		



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270. FEATHER & FILL CONTOUR REPAIR AREAS, (DOOR EDGE)		
271. DRESS WELDS		
272. STONE GUARD DECAL		
273. R&I RAIN SHIELD (VENT SHADE)		
274. R&I WELDED BELT REINFORCEMENT PANEL		
275. R&I SRS AIR BAG		
276. R&I DOOR MIRROR		
277. R&I DOOR GLASS		
278. R&I AIR-SEAL WEATHER STRIP AT PERIMETER (SOME MODELS ONLY)		
279. R&I DOOR CHECK (WHEN SKINNING DOOR)		
280. R&I DOOR LATCH, (WHEN SKINNING DOOR)		
281. R&I DOOR CHECK		
282. R&I DOOR LATCH		
283. R&I DOOR SPEAKER		
284. R&I DOOR GLASS RUN CHANNEL		
285. WRAP/MASK WIRE HARNESS		
286. PREP DOOR CLADDING FOR "RAW" PROCESSING		
287. MASK DOOR OPENINGS & JAMS		
288. WINDOW BLACK OUT AT WINDOW FRAME, (SECOND COLOR)		
289. GRAVEL GUARD		
290. DOOR SKIN BONDING MATERIAL		
291. RECODE DOOR LOCK CYLINDER		
292. DOOR FASTENERS & RIVETS		
293. RR&I LKQ DOORS-CHARGE TO DISASSEMBLE BOTH DOOR		
60 - ROOF:		
294. R&I ANTENNA MAST THAT IMPEDES ACCESS		
295. MASK SUN ROOF OPENING/EDGES		
296. R&I ALL INTERIOR AND EXTERIOR **ATTACHMENTS ****		
297. PREPAIR FOR WELD BONDING		
298. REPAIR ADJACENT PANELS DISTORTED IN REMOVAL PROCESS		
299. FEATHER & FILL CONTOUR REPAIR AREAS		
300. REMOVE EXPANSION FOAM FROM ROOF REINFORCEMENTS		
301. REMOVE URETHANE RESIDUE ON PINCH WELDS (FULL CUT OUT)		
302. REPAIR DAMAGE TO PINCH WELD FROM GLASS REMOVAL KNIFE		
303. FEATHER & FILL WELDS		
304. REMOVE EXPANSION FOAM		
305. EXPANSION FOAM (PER CAN)		
306. REMOVE PANELS FOR INSTALLATION *		
307. REPAIR ADJACENT REINFORCEMENT PANEL-S		
308. R&I SEAT-S		
309. CLEAN FILE AND DEBUR WELD AREA		
310. COVER AND PROTECT INTERIOR		
311. R&I WIRE HARNESS		
312. WELD-THRU PRIMER		
313. CAVITY WAX		
314. REPLACE SOUND DEADENER PADS (EACH PACK)		
315. FLUTTER FOAM (PER TUBE)		
316. COLATERAL DAMAGE FROM THE REPAIR PROCESS (BUILD SEQUENCE)		
317. BLEND RIGHT SIDE ROOF PILLARS		
318. BLEND LEFT SIDE ROOF PILLARS		
319. MASK FOR PRIMER APPLICATION		



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320. PULLBACK/ROPE/MASK BACK GLASS MOLDING		
321. PULLBACK/ROPE/MASK WINDSHIELD MOLDING		
322. PULLBACK/ROPE/MASK LEFT QUARTER GLASS		
323. PULLBACK/ROPE/MASK RIGHT QUARTER GLASS		
324. COBALT DRILL BIT (BORON-TRIP-UZI BOR)		
325. WINDSHIELD INSTALLATION KIT		
326. BACK GLASS INSTALLATION KIT		
327. QUARTER GLASS INSTALLATION KIT		
65 - CAB CORNER, PICKUP:		
328. PRE-PULL CAB CORNER AS NEEDED		
329. REMOVE CAULKING & SEAM SEALER		
330. REPLACE CAULKING & SEAM SEALER (REPAIR AND REPLACE)		
331. CAVITY WAX		
332. WELD-THRU PRIMER		
333. TEST FIT ADJACENT PARTS AS NEEDED		
334. FABRICATE CAB CORNER SLEEVES		
335. PULL BACK WIRE HARNESS		
336. SOUND DEADENER		
337. R&I SEAT		
338. R&I CARPET AND FLOOR INSULATION		
339. FEATHER & FILL CONTOUR REPAIR AREAS		
340. MASK FOR PRIMER APPLICATION		
341. FEATHER & FILL WELDS		
342. REPAIR ROCKER		
343. REPAIR REINFORCEMENT AND INNER PANEL		
344. MEASURE CAB FOR SQUARE		
345. REPAIR FLOOR		
346. REPAIR GLASS-OPEN FLANGES FROM CUT-OUT KNIFE DAMAGE		
347. COLATERAL DAMAGE FROM THE REPAIR PROCESS (BUILD SEQUENCE)		
348. PULL BACK /ROPE/MASK BACK GLASS		
349. PULL BACK/ROPE/MASK QUARTER GLASS		
350. REPLACE SOUND DEADENER PAD		
351. TRANSFER WELDED DOOR STRICKER PLATE		
352. REFINISH BACK SIDE OF CAB CORNER		
353. MASK WRAP WIRE HARNESS		
354. MASK/BAG INTERIOR FOR REFINISH		
355. MASK JAMS AND OPENINGS		
356. SPOT PAINT INNER SIDE OF WELDED FLANGES		
357. SPOT PAINT ROCKER		
358. SPOT PAINT BACK PANEL		
359. SPOT PAINT FLOOR		
360. GRAVEL GUARD CAB CORNER		
361. BACK GLASS INSTALLATION KIT		
362. QUARTER GLASS INSTALLATION KIT		
70 - CAB BACK PANEL, PICKUP:		
363. PRE-PULL BACK PANEL		
364. REMOVE CAULKING & SEAM SEALER		
365. REPLACE CAULKING & SEAM SEALER		
366. CAVITY WAX COATING		
367. TEXT COAT, (SPRAY SEALER)		



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368. WELD-THRU PRIMER		
369. SOUND DEADENER		
370. R&I TIRE REPLACEMENT TOOLS		
371. REPAIR ADJACENT PANELS DAMAGED BY WELDING		
372. R&I SEAT		
373. R&I SEAT BELTS		
374. R&I CARPET AND INSULATION		
375. PULL BACK WIRE HARNESS		
376. FEATHER & FILL CONTOUR REPAIR AREA		
377. FEATHER & FILL WELDS		
378. CLEAN FILE AND DEBUR WELD AREA		
379. REPAIR GLASS OPEN FLANGE DAMAGE FROM CUT KNIFE		
380. WRAP MASK WIRE HARNESS		
381. MASK/BAG INTERIOR FOR REFINISH		
382. MASK FOR PRIMER APPLICATION		
383. REFINISH INNER SIDE		
384. SPOT PAINT INNER CAB CORNERS		
385. SPOT PAINT FLOOR		
386. BLACK OUT ON CAB BACK PANEL		
387. CAB CORNER GLASS INSTALLATION KIT		
75 - QUARTER PANEL:		
388. D&R BATTERY		
389. RESET MEMORY FUNCTIONS		
390. PROTECT INTERIOR FROM REPAIR CONTAMINATION		
391. PRE-PULL QUARTER		
392. REMOVE CAULKING AND SEAM SEALER *RANGE		
393. REPLACE CAULKING AND SEAM SEALER (PER TUBE)		
394. UNDERCOAT AT WHEEL WELL		
395. CAVITY WAX		
396. EXPANSION FOAM (PER TUBE)		
397. SOUND DEADENER TEXT COAT WITH SPRAYBLE SEALER		
398. SECOND COLOR BACK-SIDE		
399. WELD-THRU PRIMER		
400. SOUND DEADENER PADS		
401. CLEAN & RE-TAPE GLUE ON MOLDINGS		
402. REPLACE QUARTER W/O MOLDING WITH AFTERMARKET		
403. FABRICATE QUARTER AND ROCKER PANEL SLEEVES		
404. REPAIR WHEEL HOUSE, FROM ADHESIVE DISTORTION DAMAGE		
405. TEST FIT ATTACHING PARTS ** TAILLAMPS, GLASSES ETC**		
406. PULL BACK WIRE HARNESS		
407. R&I BACK SEAT-S		
408. R&I SEAT BELTS		
409. PULL BACK CARPET & FLOOR INSTULATION		
410. FEATHER & FILL CONTOUR REPAIR AREAS, ROCKER & PILLAR		
411. DOOR OPEN FLANGE BACKSIDE, REPAIR/DRESS WELDS		
412. WHEEL OPEN BACKSIDE WELDS, REPAIR/DRESS		
413. REPAIR DECK LID TROUGH		
414. ROCKER WELDS BACKSIDE, REPAIR/DRESS		
415. REAR BODY PANEL BACKSIDE AT WELD AREA, REPAIR/DRESS		
416. GLASS FLANGE BACKSIDE OF WELD AREA, REPAIR/DRESS		
417. TRUNK FLOOR POCKET WELD AREA REAR OF TIRE, REPAIR/DRESS		



Labor Category Legend – By Color:

- Body
- Paint
- Structural
- Mechanical
- Detail
- Other

418. GRAVEL GUARD (SPRAY-ON)		
419. STONE GUARD DECAL		
420. REPLACE FOAM ADHESIVE BETWEEN WHEEL HOUSE & QTR		
421. REPAIR GLASS OPEN FLANGE DAMAGE FROM CUT KNIFE		
422. INSTALL SHUNTING PLIERS		
423. INSTALL CUT LINE TAPE		
424. COLATERAL DAMAGE FROM THE REPAIR PROCESS (BUILD SEQUENCE)		
425. COBALT DRILL BIT (BORON-TRIP-UZI BOR)		
426. CLEAN FILE AND DEBUR WELD AREA		
427. CAUTIONARY MEASURES TO PREVENT GLASS MOLDING DAMAGE		
428. MASK WRAP WIRE HARNESS		
429. MASK/BAG INTERIOR FOR REFINISH		
430. MASK QUARTER JAMBS & OPENINGS		
431. MASK FOR PRIMER APPLICATION		
432. SPOT PAINT DOOR OPEN FLANGE, BACKSIDE		
433. SPOT PAINT WHEEL OPEN BACKSIDE WELD AREA		
434. SPOT PAINT ROCKER, BACK SIDE		
435. SPOT PAINT BACKSIDE OF BACK PANEL AT WELD AREA		
436. SPOT PAINT BACKSIDE OF GLASS FLANGE WELD AREA		
437. SPOT PAINT TRUNK FLOOR WELD AREA		
438. REFINISH WELD DAMAGE AREAS ** EACH DIRECTION***		
439. REFINISH TWO TONE BLACK-OUT		
440. PULL-BACK/MASK QUARTER GLASS		
441. PULL-BACK/MASK BACK GLASS		
442. PREP QUARTER PANEL CLADDING FOR "RAW" PROCESSING		
443. REPLACE QUARTER GLASS URETHANE INSTALLATION KIT		
444. REPLACE BACK GLASS URETHANE INSTALLATION KIT		
80 - PICKUP BED SIDE PANEL:		
445. PREPULL BED SIDE PANEL		
446. PREPULL BED FLOOR PANEL		
447. STRIP SPRAY-ON BED LINER, COMPLETE		
448. REPLACE SPRAY-ON BED LINER, COMPLETE		
449. STRIP SPRAY-ON BED LINER, PARTIAL		
450. REPLACE SPRAY-ONBED LINER, PARTIAL		
451. R&I REAR BUMPER		
452. R&I BED ASSEMBLY		
453. REPLACE BED BOLTS, AS NEEDED		
454. R&I DROP-IN BED LINER		
455. R&I CAMPER SHELL		
456. R&I TONNEAU COVER		
457. REMOVE CAULKING AND SEAM SEALER		
458. REPLACE CAULKING AND SEAM SEALER		
459. REPLACE SELF LEVELING SEAM SEALER		
460. UNDERCOAT UNDERSIDE		
461. CAVITY WAX		
462. SOUND DEADENER SPRAYABLE SEALER		
463. WELD-THRU PRIMER		
464. TEST FIT PARTS ATTACHED TO BED SIDE		
465. REPLACE BONDING FOAM, UNDERSIDE OF BED RAIL		
466. REPLACE BONDING FOAM, WHEEL-WELL TO BED SIDE PNL		
467. REPLACE FLARE FASTENERS		



Labor Category Legend – By Color:

- Body
- Paint
- Structural
- Mechanical
- Detail
- Other

468. REPLACE FLARE ADHESIVE SEAL		
469. CLEAN & RETAPE ADHESIVE MOLDING-S		
470. PULL BACK WIRE HARNESS		
471. STONE GUARD DECAL		
472. FEATHER & FILL CONTOUR REPAIR AREA		
473. FEATHER & FILL WELDS		
474. COLATERAL DAMAGE FROM THE REPAIR PROCESS (BUILD SEQUENCE)		
475. LOOSEN AND FREE RUSTED/STUCK BOLTS		
476. REPAIR CAP-RAIL FLANGE, REMOVAL DISTORTION		
477. EXPANSION FOAM (PER TUBE)		
478. REPAIR FRONT BED PANEL		
479. REPAIR INNER BED PANEL		
480. REPAIR REAR SILL PANEL		
481. SPOT PAINT INNER BED PANEL		
482. MASK WRAP WIRE HARNESS		
483. MASK BED INTERIOR		
484. MASK FOR PRIMER APPLICATION		
485. SPOT PAINT FRONT BED PANEL		
486. SPOT PAINT REAR SILL PANEL		
487. REFINISH TWO TONE BLACK OUT		
488. GRAVEL GUARD		
85 - VAN/SUV SIDE PANEL:		
489. PRE-PULL SIDE PANEL		
490. CAUTIONARY MEASURES TO PREVENT QUARTER GLASS DAMAGE		
491. GLASS OPEN FLANGE DAMAGE FROM CUT KNIFE, REPAIR		
492. QUARTER GLASS INSTALLATION KIT		
493. REMOVE CAULKING AND SEAM SEALER		
494. REPLACE CAULKING AND SEAM SEALER (PER TUBE)		
495. UNDERCOAT SIDE PANEL		
496. CAVITY WAX		
497. WELD-THRU PRIMER		
498. SOUND DEADENER SPRAYABLE SEALER		
499. EXPANSION FOAM (PER TUBE)		
500. CLEAN & RETAPE ADHESIVE MOLDINGS		
501. REPLACE WHEEL FLARE FASTENERS & ADHESIVE STRIP		
502. FABRICATE SIDE PANEL SLEEVES		
503. TEST FIT PARTS ATTACHED/ADJACENT TO SIDE PANEL		
504. R&I SPECIALITY INTERIOR		
505. PULL BACK WIRE HARNESS		
506. R&I SEAT-S		
507. R&I SEAT BELT-S		
508. RECOVER FREON		
509. EVACUATE & RECHARGE AC *SEPARATE FROM FRONT A/C*		
510. R&I REAR HEATER/AC COMPONENTS		
511. PULL-BACK CARPET AND FLOOR INSULATION		
512. REAR SILL AT WELD AREA, REPAIR		
513. FILL & FEATHER WELDS		
514. INNER PANEL DISTORTION DUE TO ADHESIVE, REPAIR		
515. WHEEL OPEN INNER STRUCTURE, REPAIR		
516. CLEAN FILE AND DEBUR WELD AREA		
517. FILL & FEATHER CONTOUR REPAIR AREAS		



Labor Category Legend – By Color:

- **Body**
- **Paint**
- **Structural**
- **Mechanical**
- **Detail**
- **Other**

518. COBALT DRILL BIT (BORON-TRIP-UZI BOR)		
519. STONE GUARD DECAL		
520. COLATERAL DAMAGE FROM THE REPAIR PROCESS (BUILD SEQUENCE)		
521. MASK WRAP WIRE HARNESS		
522. MASK/BAG INTERIOR FOR PROTECTION		
523. MASK JAMBS & OPENINGS		
524. MASK FOR PRIMER APPLICATION		
525. SPOT PAINT FLOOR AT WELDS		
526. SPOT PAINT BACK SIDE OF ROCKER		
527. SPOT PAINT REAL SILL		
528. ROOF DRIP WELDS, DRESS		
529. REFINISH ROOF		
530. REFINSH TWO TONE BLACK OUT		
531. PREP CLADDING FOR "RAW" PROCESSING		
532. GRAVEL GUARD		
533. PULL BACK/ROPE-MASK SIDE PANEL GLASS MOLDING		
90 - DECK LID:		
534. ACCESS PULLING & CUTTING, ACCESS TO COMPONENTS		
535. R&I LICENSE PLATE		
536. REPAIR LICENSE PLATE		
537. DRILL FOR LICENSE PLATE BRACKET		
538. REPAIR DECK LID HINGES		
539. REPAIR HINGE MOUNT AREA		
540. TRIAL FIT AND POSITION		
541. R&I AUTO LOCK		
542. REFINISH TWO TONE BLACK OUT		
543. RE-CODE DECK LID CYLINDER		
544. SEAM SEAL INNER EDGE		
545. CAVITY WAX		
546. MINI BULBS		
547. WIRE HARNESS REPAIR		
548. DRILL TEMPLATE FOR SPOILER		
549. LOCK LINKAGE REPAIR		
550. PREP DECK LID CLADDING FOR "RAW" PROCESSING		
95 - REAR BODY PANEL:		
551. PRE-PULL REAR BODY PANEL		
552. REMOVE CAULKING AND SEAM SEALER		
553. REPLACE CAULKING AND SEAM SEALER		
554. UNDERCOATING REAR BODY PANEL		
555. CAVITY WAX		
556. COBALT DRILL BIT (BORON-TRIP-UZI BOR)		
557. SELF LEAVELING SEAM SEALER		
558. WELD-THRU PRIMER		
559. SOUND DEADENER, SPRAYABLE SEALER		
560. R&I LICENSE PLATE		
561. REPAIR LICENSE PLATE		
562. DRILL FOR LICENSE PLATE BRACKET		
563. MOVE TO PROTECT OR R&I EXHAUST		
564. R&I SPARE TIRE AND TOOLS		
565. TEST FITS PARTS ATTACHED/ADJACENT TO BODY PANEL		



Labor Category Legend – By Color:

- Body
- Paint
- Structural
- Mechanical
- Detail
- Other

566. FEATHER & FILL CONTOUR REPAIR AREA		
567. BRAZING, COPPER SILIUM MIG BRAZING		
568. FEATHER & FILL WELDS		
569. REPAIR INNER SIDE OF BODY PANEL AT WELD AREAS		
570. REPAIR LEFT QUARTER PANEL REPAIR AT WELD AREA		
571. REPAIR RIGHT QUARTER PANEL REPAIR AT WELD AREA		
572. REPAIR FLOOR WELD DAMAGE		
573. REPAIR FLOOR		
574. COLATERAL DAMAGE FROM THE REPAIR PROCESS (BUILD SEQUENCE)		
575. WIRE HARNESS, REPAIR		
576. CLEAN FILE AND DEBUR WELD AREA		
577. WIRE HARNESS FASTENERS, REPLACE		
578. RE-CODE LOCK CYLINDER		
579. PULL BACK WIRE HARNESS		
580. WRAP/MASK WIRE HARNESS		
581. MASK BAG INTERIOR FOR REFINISH		
582. MASK JAMS AND EDGES OF BODY PANEL		
583. SPOT PAINT INNER SIDE OF ADJACENT PANELS AT WELD AREAS		
584. REFINISH BACK SIDE OF BODY PANEL (SECOND COLOR?)		
585. SPOT PAINT TOP SIDE OF FLOOR PANEL		
586. SPOT PAINT UNDERSIDE OF FLOOR PANEL		
587. SPOT PAINT INNER SIDES OF QUARTER PANELS AT WELD AREA		
588. REFINISH TWO TONE BLACK OUT		
100 - FLOOR:		
589. PRE-PULL FLOOR PANEL		
590. REMOVE CAULKING AND SEAM SEALER		
591. REPLACE CAULKING AND SEAM SEALER **PER TUBE**		
592. UNDERCOAT		
593. CAVITY WAX		
594. WELD-THRU PRIMER		
595. COBALT DRILL BIT (BORON-TRIP-UZI BOR)		
596. SOUND DEADENER, SPRAYABLE SEALER (TWO TUBES)		
597. COLATERAL DAMAGE FROM THE REPAIR PROCESS (BUILD SEQUENCE)		
598. R&I EXHAUST		
599. R&I SPARE TIRE AND TOOLS		
600. TEST FIT PARTS ATTACHED/ADJACENT TO FLOOR PANEL		
601. R&I ELECTRONIC COMPONENTS AT FLOOR AREA (CD, AMP, SRS)		
602. R&I EMMISIONS COMPONENTS AT FLOOR AREA		
603. R&I TRUNK INTERIOR ***INDIVIDUAL COMPONENTS***		
604. PULL BACK WIRE HARNESS		
605. EXPANSION FOAM		
606. FEATHER & FILL AREAS ATTACHED BY WELDING		
607. R&I BOLTED SUSPENTION *ALL COMPONENTS*****		
608. CROSSMEMBER AT WELD AREA, REPAIR/DRESS		
609. SIDE FLOOR EXTENSIONS, REPAIR		
610. FRAME RAIL FLANGE REPAIR AT WELD AREA		
611. WHEEL HOUSE(S) REPAIR AT WELD AREA		
612. CLEAN FILE AND DEBUR WELD AREA		
613. PULL BACK MASK LINES AND CABLES AT FLOOR AREA		
614. R&I FUEL TANK		
615. DRAIN FUEL FROM TANK		



Labor Category Legend – By Color:

- Body
- Paint
- Structural
- Mechanical
- Detail
- Other

616. WRAP MASK WIRE HARNESS		
617. MASK & PROTECT INTERIOR		
618. REFINISH TOP SIDE OF FLOOR		
619. REFINISH UNDERSIDE OF FLOOR		
620. SPOT PAINT UNDERSIDE ADJACENT PANELS AT WELD AREA		
621. CENTER FLOOR AT WELD AREA, REPAIR/DRESS		
622. SPOT PAINT CENTER FLOOR AREA		
623. SPOT PAINT CROSSMEMBER		
624. SPOT PAINT FLOOR EXTENSIONS		
625. SPOT PAINT RAILS AT WELD AREA, UNDERSIDE		
626. SPOT PAINT WHEEL HOUSE AT WELD AREA		
627. FLOOR TWO TONE AND/OR BLACK-OUT		
105 - PROTECTION & SAFETY:		
628. D&R HYBRID BATTERY		
629. HYBRID BATTERY PROTECTIVE STORAGE		
630. D&R BATTERY		
631. RESET ELECTRONIC MEMORY, RADIO		
632. RESET ELECTRONIC MEMORY, SEAT/STEERING WHEEL		
633. DIAGNOSE SRS DISPLAY		
634. DISABLE/ENABLE SRS		
635. DIAGNOSE ALARM CODES		
636. MASK ELECTRONIC CONNECTIONS		
637. R&I FUEL TANK		
638. DRAIN FUEL FROM TANK		
110 - PAINT PREP:		
639. REMOVE OIL , TAR & GREASE		
640. REMOVE CORROSION PROTECTION MATERIAL		
641. RESTORE CORROSION PROTECTION		
642. REMOVE MOLDING ADHESIVE		
115 - REFINISH PROCESS:		
643. DIFFICULT COLOR, TINTING & TESTING <i>(INACCURATE VARIANCE)</i>		
644. MASK FOR PRIMING		
645. SPOT PAINT CORESUPPORT AFTER INSTALLED <i>(SECOND PAINT)</i>		
646. SPRAY OUT TEST PANEL		
647. SPRAY OUT LET-DOWN PANEL FOR THREE STAGE		
648. SPRAY OUT LET-DOWN PANEL FOR TRANSPARENT COLOR		
649. COLOR TINT & TEST TO BLENDABLE MATCH		
650. COLOR TINT SECOND COLOR		
651. GRAVEL GUARD FIRST PANEL		
652. GRAVEL GUARD SECOND PANEL		
653. GRAVEL GUARD THIRD PANEL		
654. GRAVEL GUARD SPRAY-OUT TEST PANEL		
655. HAZARDOUS WASTE DISPOSAL		
656. UNDERSIDE COLOR TINTING & TESTING <i>(CORESUPPORT & TRUNK AREAS)</i>		
657. UNDERSIDE COLOR REFINISH		
658. COVER VEHICLE (FOR REFINISHING ONE TIME)		
659. REFINISHING JAMBS (SEPARATE COLOR THAN EXTERIOR-EACH COLOR*)		
660. MASKING JAMBS		



Labor Category Legend – By Color:

- Body
- Paint
- Structural
- Mechanical
- Detail
- Other

120 - COLOR-SAND & POLISH:		
661. COLOR SAND & POLISH, 1 ST PANEL (MATERIALS AND LABOR)		
662. COLOR SAND & POLISH, 2 ND PANEL (MATERIALS AND LABOR)		
663. COLOR SAND & POLISH, 3 RD PANEL (MATERIALS AND LABOR)		
664. COLOR SAND & POLISH, 4 TH PANEL (MATERIALS AND LABOR)		
665. COLOR SAND & POLISH, 5 TH PANEL (MATERIALS AND LABOR)		
666. COLOR SAND & POLISH, 6 TH PANEL (MATERIALS AND LABOR)		
667. COLOR SAND & POLISH, 7 TH PANEL (MATERIALS AND LABOR)		
668. COLOR SAND & POLISH, 8 TH PANEL (MATERIALS AND LABOR)		
669. FINAL WASH TO REMOVE COMPOUND RESIDUE		
670. POLISH RIM SKUFF		
671. SPOT REFINISH RIM		
125 - STRIPES:		
672. REMOVE OLD STRIPES WITH ERASER WHEEL USE		
673. RESTRIPE WITH FINE-LINE TAPE		
674. RESTRIPE PAINTED-ON		
675. FACTORY STRIPE INSTALLATION		
130 - GLASS:		
676. CAUTIONARY STEPS TO PREVENT DAMAGE		
677. REPAIR FLANGE DAMAGE FROM CUT KNIFE		
678. TEST FIT GLASS		
679. REMOVE URETHANE RESEDUE AT PINCHWELD, FULL CUT OUT		
680. BROKEN GLASS CLEAN-UP (SEATS & CARPET)		
681. BROKEN GLASS CLEAN-UP (VENTS) **R&I DASH NEEDED????**		
682. URETHANE ADHESIVE REMOVAL		
683. URETHANE GLASS KIT		
135 - FRAME SET UP:		
684. UNIBODY CLAMP SYSTEM		
685. FULL FRAME CLAMP SYSTEM		
686. NON-DRIVE VEHICLE (NO START)		
687. DISABLE VEHICLE (DOES NOT ROLL)		
688. LIFTED/LOWERED VEHICLE		
689. TRAM VEHICLE TO DETERMINE IF MOVEMENT EXISTS		
690. INSTALL MECHANICAL MEASURING SYSTEM		
691. ELECTRONIC MEASUREMENT DOCUMENT		
692. R&I ROCKER MLDGS- ACCESS TO CLAMP AREA		
693. ACCESS PULLING TO FACILITATE TEAR DOWN		
694. R&I INTERFERING WIRES, TUBING/LINES, EXHAUST		
695. R&I SUSPENSION/STEERING, PARTIAL		
696. REPAIR CLAMP SCARING ON ROCKER FLANGE		
697. REPAIR ANCHOR DAMAGE AT LOCKING POINTS		
698. REPAIR PROTECTIVE COATING AT ROCKER		
699. PAINT ROCKER FLANGE		
140 – FRAME REPLACEMENT		
700. MEASURE USED FRAME		
701. CLEAN USED FRAME		
702. DISPOSE OF VIN / REGISTER NEW FRAME VIN		
703. CUT UP DAMAGED FROM FOR DISPOSAL		
704. CUT UP AND DISPOSE OF CRATE		



Labor Category Legend – By Color:

- **Body**
- **Paint**
- **Structural**
- **Mechanical**
- **Detail**
- **Other**

705. BLEED BRAKES		
706. DRAIN BRAKE FLUID		
707. DRAIN RADIATOR		
708. BLEED RADIATOR SYSTEM		
709. RADIATOR COOLANT		
710. R&I TRANS COOLER		
711. TRANSMISSION FLUID		
712. R&I HEATER HOSES		
713. SET OR ADJUST PARKING BRAKE		
714. EVACUATE AND RECHARGE A/C SYSTEM		
715. A/C OIL AND FREON		
716. A/C "O" RINGS		
717. REMOVE PRESSURE FROM AB AND RECHARGE ABS SYSTEM		
718. DIAGNOSE ABS (SCAN TOOL)		
719. R&I HEAT SHIELDS		
720. R&I SPARE TIRE CARRIER		
721. R&I BED SHELL (IF EQUIPPED)		
722. R&I BED LINER (IF EQUIPPED)		
723. 4 WHEEL ALIGNMENT		
724. REMOVE & STORE FUEL FROM GAS TANK		
725. R&I FUEL NECK ASSEMBLY		
726. R&I WHEELS		
727. R&I BOTTOM ENGINE SHIELDS AND SKID PLATES		
728. R&I ABS SENSORS		
729. R&I ABS WIRE LOOM		
730. R&I TRAILER HITCH AND WIRES		
731. R&I EXHAUST SYSTEM AS ASSEMBLY		
732. R&I EXHAUST SYSTEM AS COMPONENTS		
733. R&I 4 WHEEL DRIVE SHAFT		
734. R&I REAR DRIVE SHAFT ON 4 WHEEL DRIVE AS COMPONENTS		
735. R&I RIDE HEIGHT SENSORS		
736. CALIBRATE RIDE HEIGHT		
737. R&I RIDE HEIGHT WIRE LOOM		
738. O/H SUSPENSION PARTS THAT ARE DAMAGED		
739. R&I PARTS THAT CANNOT BE REMOVED AS ASSEMBLY		
740. R&I CARPETS FOR ACCESS		
741. FREIGHT FOR FRAME		
742. D&R BATTERY		
743. RESET RADIO CODES		
744. R7I FAN		
745. R&I FAN SHROUD		
746. R&I MOUNTING CLIPS AND BRACKETS		
747. REPLACE BROKEN CLIPS		
748. R&I FENDER SHIELDS OR LINERS		
749. R&I (M) COMPONENTS ATTACHED TO FRAME		
750. D&R BRAKE LINE TO BRAKE BOOSTER		
751. DRAIN POWER STEERING FLUID		
752. REPLACE POWER STEERING FLUID		
753. REPLACE WASHER FLUIDS		
754. ROAD TEST		
755. PRE-SCAN VEHICLE		



Labor Category Legend – By Color:

- **Body**
- **Paint**
- **Structural**
- **Mechanical**
- **Detail**
- **Other**

756. POST-REPAIR SCAN		
757. RESET ALL TROUBLE CODES		
758. DISABLE AND ENABLE SRS SYSTEM		
759. R&I CENTER CONSOLE TO DISCONNECT SHIFTER		
760. DISCONNECT STEERING SHAFT		
761. R&I ELECTRICAL SUSPENISION COMPONENTS		
762. TOW TO DEALER TO RESET CODES		
763. SET BODY ON ROLLING BENCH (OR FRAME BENCH)		
764. RESET ELECTRICAL COMPONENTS		
765. REPLACE PAG OIL FOR RIDE HEIGHT COMPRESSOR		
766. RIDE HEIGHT COMPRESSOR TANK		
767. HAZ WASTE DISPOSAL		
768. ADDITIONAL WORK SPACE (2 ND STALL)		
769. R&I OIL COOLER		
770. R&I HYDRAULIC/ELECTRIC ANIT-SWAY BAR		
771. BLEED AND DRAIN HYDROLIC SWAY BAR		
772. CHECK FLUIDS (ENGINE, TRANS, TRANSFER CASE, FRONT AND/OR REAR DIFF.)		
773. R&I RUNNING BOARDS		
774. R&I WINCH		
775. R&I BRUSH BAR		
776. R&I EMISSIONS COMPONENTS		
777. INITIALIZATION OF WINDOWS, SUN ROOF, DOOR LOCKS, ETC.		
778. RESET STEERING ANGLE SENSOR		
779. R&I HEADLAMPS FOR ACCESS		
780. AIM HEADLAMPS		
781. R&I GRILLE		
782. R&I CORE SUPPORT FOR ACCESS (BOLT ON TYPE)		
783. R&I RADIATOR		
784. R&I A/C CONDENSOR		
785. R&I POWER STEERING COOLER		
786. CAP OFF A/C LINES		
787. CAP OF EVAPORATOR		
788. STRAIGHTEN / PULL DAMAGED FRAME FOR REMOVAL ACCESS		
789. REPLACE DAMAGED MOUNTING HARDWARE		
790. REPAIR MOUNTING LOCATIONS ON CAB / BED		
791. R&I FUEL LINES ATTACHED TO FRAME		
792. CORROSION PROTECTION (AS PER OEM GUIDELINES)		
793. R&I BRAKE CALIPERS		
794. R&I SPEED SENSORS		
795. CALIBRATE ABS SYSTEM		
796. R&I AUX FUEL TANK		
797. D&R DRIVE SHAFTS FROM FRONT SUSPENSION (FRONT WHEEL DRIVE VEH)		
798. R&I ABS LINES		
145 - FRONT END DAMAGE:		
799. PRE-PULL TO FACILITATE TEAR DOWN		
800. PULL & REPOSITION CORESUPPORT		
801. REPAIR FRONT BUMPER WELDED MOUNTING BRACKET (EACH)		
802. CORRECT UPPER RAIL/APRON SWAY, LEFT		
803. CORRECT UPPER RAIL/APRON SWAY, RIGHT		
804. CORRECT UPPER RAIL/APRON HEIGHT, LEFT		
805. CORRECT UPPER RAIL/APRON HEIGHT, RIGHT		



Labor Category Legend – By Color:

- Body
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- Structural
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- Detail
- Other

806. CORRECT UPPER RAIL APRON LENGTH/MASH, LEFT		
807. CORRECT UPPER RAIL APRON LENGTH/MASH, RIGHT		
808. REPAIR AND CORRECT DIAMOND CONDITION		
809. MEASURE SUSPENSION X-1 CAR-O-LINER		
810. POSITION AND ALIGN FRONT CROSSMEMBER		
811. POSITION AND ALIGN CENTER CROSSMEMBER		
812. POSITION AND ALIGN REAR CROSSMEMBER		
813. R&I COMPONENTS MOUNTED TO APRON-S		
814. LOOSEN BRACKETS FOR PULL AND REPAIR		
815. REPAIR LEFT LEAF SPRING BRACKET/SHACKLE		
816. REPAIR RIGHT LEAF SPRING BRACKET/SHACKLE		
817. PULL LEFT RAIL, SWAY		
818. PULL RIGHTRAIL, SWAY		
819. PULL LEFT RAIL LENGTH		
820. PULL RIGHT RAIL LENGTH		
821. REPAIR LEFT RAIL MASH (CUT OUT MASH TO REPAIR)		
822. REPAIR RIGHT RAIL MASH (CUT OUT MASH TO REPAIR)		
823. PULL LEFT RAIL HEIGHT		
824. PULL RIGHT RAIL HEIGHT		
825. CORRECT LEFT RAIL TWIST		
826. CORRECT RIGHT RAIL TWIST		
827. PULL ENGINE/SUSPENSION CROSSMEMBER		
828. PULL & POSITION APRON, LEFT		
829. PULL & POSITION APRON, RIGHT		
830. PULL & POSITION STRUT TOWER, LEFT		
831. PULL & POSITION STRUT TOWER, RIGHT		
832. VECTOR INWARD RAIL TWIST ** (EACH RAIL) **		
833. R&I ENGINE (FOR ACCESS)		
834. R&I TRANSMISSION (FOR ACCESS)		
150 - SIDE DAMAGE:		
835. ACCESS PULLING TO FACILITATE TEAR DOWN		
836. PULL & POSITION COWL FOR REPAIR		
837. PULL & POSITION DASH REINFORCEMENT BAR		
838. PULL & POSITION PILLAR, OUTBOARD (EACH OF A,B & C PILLARS)		
839. PULL & POSITION PILLAR, REARWARD (EACH OF A,B & C PILLARS)		
840. PULL & POSITION PILLAR, FORWARD (EACH OF A,B & C PILLARS)		
841. PULL & POSITION PILLAR, TWIST (EACH OF A,B & C PILLARS)		
842. SQUARE DOOR OPENING (TRIAL FIT DOOR AS NEEDED)		
843. PULL & POSITION ROCKER		
844. PULL & POSITION CENTER FLOOR		
845. LOOSEN FULL FRAME BRACKETS		
846. CORRECT PILLAR INNER REINFORCEMENT (EACH OF A,B & C PILLARS)		
847. CORRECT PILLAR INNER PANEL (EACH OF A,B & C PILLARS)		
848. CORRECT ROCKER INNER REINFORCEMENT		
849. CORRECT ROCKER INNER PANEL		
850. PULL QUARTER PANEL POST		
851. PULL/CORRECT PACKAGE TRAY AREA		



Labor Category Legend – By Color:

- Body
- Paint
- Structural
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- Other

155 - REAR END DAMAGE:		
852. ACCESS PULLING TO FACILITATE TEAR DOWN		
853. REPAIR REAR FRAME RAIL WELDED BRACKET (EACH SIDE)		
854. REPAIR REAR LEAF SPRING BRACKET/SHACKLE (EACH SIDE)		
855. PULL & POSITION REAR BODY PANEL		
856. PULL REAR FLOOR PAN, LENGTH		
857. PULL REAR FLOOR PAN, LEVEL		
858. PULL LEFT RAIL, LENGTH		
859. PULL RIGHT RAIL, LENGTH		
860. PULL LEFT RAIL, SWAY		
861. PULL RIGHT RAIL, SWAY		
862. PULL LEFT RAIL, HEIGHT		
863. PULL RIGHT RAIL, HEIGHT		
864. PULL LEFT RAIL, TWIST		
865. PULL RIGHT RAIL, TWIST		
866. PULL & POSITION REAR CROSSMEMBER		
867. PULL & POSITION LEFT QUARTER (FOR REPAIR)		
868. PULL & POSITION RIGHT QUARTER (FOR REPAIR)		
869. PULL & POSITION LEFT INNER QUARTER STRUCTURE		
870. PULL & POSITION RIGHT INNER QUARTER STRUCTURE		
871. PULL & POSITION SUSPENSION MOUNTING POINTS		
872. CORRECT DIAMOND CONDITION		
873. CORRECT RAIL PERCH AT SPRING MOUNT AREA		
874. REMOVE TWIST IN CENTER SECTION OF FULL FRAME		
875. CORRECT BODY/CAB MOUNTS		
876. CORRECT BODY TO FRAME ISOLATOR MOUNTS		
877. MEASURE SUSPENSION CONTROL POINTS		
878. CORRECT BED MOUNTS		
879. PULL & POSITION BED X-MEMBER		
880. PULL & POSITION BED FLOOR		
881. PULL & POSITION BED SIDE PANEL, OUTER (FOR REPAIR)		
882. PULL & POSITION BED INNER PANEL		
883. PULL & POSITION BED FRONT PANEL		
884. CORRECT TAIL GATE OPENING, SQUARE		
885. CORRECT RAIL MASH		
886. CORRECT BUMPER BRACKET MOUNT AREA		
887. VECTOR REPAIR INWARD RAIL TWIST (EACH RAIL)		
160 - FLOOR ANCHOR PULLING SYSTEM:		
888. FLOOR ANCHOR CLAMP SYSTEM SET UP		
889. FLOOR PULL CORESUPPORT		
890. FLOOR PULL APRON		
891. FLOOR PULL UPPER RAIL		
892. FLOOR PULL QUARTER LOCK POST/DOG LEG		
893. FLOOR PULL QUARTER WHEEL HOUSE		
894. FLOOR PULL BACK PANEL		
895. FLOOR PULL BUMPER MOUNT AREA		



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165 - THEFT/VANDALISM:		
896. DETAIL/CLEANUP		
897. MECHANICAL CHECK		
898. ROAD TEST		
899. CHECK FLUIDS AND LAMPS		
900. TOP OFF FLUIDS		
901. COPY KEY FROM CYLINDER		
902. CODE IGNITION CYLINGER		
903. CODE DOOR CYLINDER		
170 - DETAIL/CLEAN-UP:		
904. DETAIL		
905. PAINT SEALANT (COMPLETE) LIFETIME WARANTY		
906. PAINT SEALANT (PER PANEL)		
907. CLEAN INTERIOR FROM SPILLS CAUSED BY LOSS		
908. CLEAN & DETAIL , POLISH AND SWIRL MARK REMOVAL		
909. CLEAN FOR DELIVERY		
910. CLEAN UP DEPLOYED AIR BAG RESIDUE		
175 - TOW, STORAGE & ADMINISTRATION:		
911. TEAR DOWN CHARGE		
912. RR&I ALL LKO/USED COMPONETS		
913. INSIDE STORAGE		
914. OUTSIDE STORAGE		
915. ADMINISTRATIVE FEE - TYPICAL		
916. ADMINISTRATIVE FEE - EXTENSIVE		
917. REPLACE ALUMINUM SILICATE STONE		
918. REPLACE ALUMINUM PRIMER		
919. REPLACE CLEANING SOLUTION (ALL WELDED AND BONDED PANELS)		
920. REMOVE HOT WAX COATING		
921. INSTALL FLOWABLE HOT SEALER		
922. REPLACE FLOW FORM BOLT		
923. REPLACE PUNCH INSERT		
924. INSTALL PYROSIL COATING AND ADHESION		
925. REPLACE BELT SANDER BELT KIT		
926. REPLACE INJECTION ADHESION REMOVER		
927. PREP ALUMINUM COUPONS AND PREP TIME (PREP WELD)		
928. REPLACE ALUMINUM CUTTING WHEEL		
929. RECHARGE VEHICLE FOR DELIVERY		
930. REPLACE CUTTING TOOL LUBRICATION KIT		
931. REPLACE ALUMINUM CLEANING BRUSH		
932. REPLACE SPR'S ,FLOW FORM, CLINCH, HUCK PINS AND BLIND RIVETS		
933. REPLACE TWO PART STRUCTURAL ADHESIVE		
934. REPLACE BODY SAW BLADE		
935. LAZER WELD REMOVER TWIST		
936. REPLACE HOS COBALT BIT		
937. ALUMINUM SUBSTRAIGHT LABOR RATE		
938. ALUMINUM SUBSTRAIGHT STRUCTURAL RATE		
939. REPLACE FANTHEL COATING		
940. DYE PENETRANT CHECK COATING (WELD TEST)		
941. REPAIR FLANGE CLEAVES AFTER RIVET BOND APPLICATION		
942. ALUMINUM EPOXY PRIMER APPLICATION		



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943. REPLACE ALUMINUM REPAIR CUPS		
944. REPLACE DACREMET PRIMER SEALER		
945. REPAIR ALUMINUM FLANGE		
946. SPR RIVET KIT		
947. SPR PUNCH RIVET PRESSURE RING		
948. EXPANSION FOAM		
949. FABRICATE SLEEVE INSERT		
950. FLOW FORM RIVET SET		
951. STRUCTURAL ADHESIVE		
952. SELF LEAVING SEAM SEALER		
953. REPLACE ALUMINUM WIRE FOR MAG WELDER		
954. ADHESIVE CLEAN UP (BENCH)		
955. ALUMINUM PULL PINS		
956. REPLACE NON-CONDUCTIVE STRUCTURAL URETHANE		
957. JIG BENCH SET UP (LOWER)		
958. JIG BENCH SET UP (UPPER)		
959. JIG RENTAL (PLUS SHIPPING BOTH WAYS)		
960. JIG BENCH (SIDE GANTREY)		
961. JIG BENCH DOWNTIME (WAITING ON APPROVAL, JIGS OR PARTS)		
962. DIAG REFERANCE CODES		
963. VOLTAGE TEST (PRIOR TO REPAIRS)		
964. BLEED COOLING SYSTEM		
965. A/C CHARGE		
966. COOLING FAN TEST		
967. RE-SET INSTRUMENT CLUSTER		
968. DISABLE BATTERY LOOP		
969. RE-SET AIR SUSPENSION		
970. RE-SET TPMS		
971. RIDE HEIGHT TEST (MAY REQUIRE MULTIPLE TESTS)		
972. DE-GAS AIR SUSPENSION		
973. INSPECT AND CHECK WATER PUMPS (EACH PUMP)		
974. R&I CABIN FILTER BEFORE REFINISH		
975. RECALIBRATE WINDOW SYSTEMS		
976. SEAM SEAL DOOR		
977. SEAM SEAL LIFTGATE		
978. SEAM SEAL HINGE		
979. R&I REAR SUSPENSION WITH (BATTERY R&I ACCESS)		
980. CAMERA AND RADAR RECALIBRATION TEST		
981. YF 1234 REFRIGERANT (PER POUND)		
982. ALUMINUM WIRE KIT PER PANEL		
983. WELDING WIRE		
984. COBALT BIT PACK		
985. MIG BRAZING KIT		
986. CAVITY WAX INSTALLATION PER PANEL		
987. RESET ELECTRONICS		
988. MASKING FOR APPLYING DYE PENENTRANT (EACH PANEL)		
989. CHECK FOR CRACKS USING DYE PENENTRANT		
990. APPLY EPOXY PRIMER COAT		
991. SECONDARY CLEANING FOR OXIDE REMOVAL (PER PANEL)		
992. HEATING/BAKING HARDENED ALUMINUM TO LOOSEN ADHESIVE		
993. CLEANING PREP AREA OF ADHESIVE (PRIOR TO DRYING)		



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994. REMOVAL OF ELECTRONICS WITH 300 MM OF WELDING ZONE		
995. RESETTING AND DIAGNOSIS OF ELECTRONICS		
996. COUNTER SINK ALUMINUM FOR RIVET APPLICATION (PER RIVET)		
997. REMOVE STRUCTURAL ADHESIVE ADJACENT PANELS (PER PANEL)		
998. CALIBRATE AND MEASURE METAL THICKNESS FOR CORRECT DIAMETER		
999. FABRICATE AND PUNCH HOLE FOR FREE FLOW RIVET (PER HOLE)		
1000. ADHESIVE "WET TIME" ON FIXTURE BENCH (CELETTE-CAR-BENCH-CAROLINER)		
1001. APPLY NON-DIELECTRIC ADHESIVE TO GLASS AREAS		
1002. CLEANING AND DEGREASING PANEL(S) PRIOR TO ADHESIVE INSTALLATION		
1003. BUILD SEQUENCE ON ADJACENT ALUMINUM PANELS (PER PANEL)		
1004. APPLYING HEATING SOURCE AND MONITORING PANEL(S) DURING REPAIR PROCESS		
1005. TEST FITTING PRIOR TO INSTALLING PART (PER PANEL)		
1006. SECONDARY MEASUREMENT PRIOR TO BONDING ADHESIVE APPLICATION		
1007. CONSTRUCTING SLEEVE OR BACKER PLATE FOR PANEL REPLACEMENT		
1008. REMOVE DAMAGED PARTS FOR REPAIR/REPLACEMENT ACCESS		
1009. ADVANCED CHARGES		
1010. TOW FEE TO DEALER		
1011. TOW FEE BACK FROM DEALER, RETURN		
1012. IMMOBILE VEHICLE OR PART, YARD SERVICE FEE (FORK LIFT USE)		
1013. INOPERATIVE VEHICLE (NO START/NO KEYS)		
1014. RELOCATION FEE		
1015. VEHICLE PICKUP SERVICE FEE		
1016. FLUID SPILL CLEAN UP FEE (ADD FOR ABSORBENT MATERIAL)		
1017. VEHICLE DISPOSAL FEE		
1018. RESTOCKING FEE'S		
1019. PROTECT INTERIOR (ADD FOR PLASTIC WRAP MATERIAL)		
1020. CUSTOMER ASSISTANCE FEE (GATHERING OF PERSONAL ITEMS)		
1021. AFTER HOURS RELEASE FEE		
1022. VEHICLE PROCESSING FEE (DMV)		
180 - FINAL BILL/MISCELLANEOUS:		
1023. SHIPPING/TRANSPORTATION CHARGES		
1024. TIRE DISPOSAL FEE		
1025. RECHARGING FEE		
1026. BATTERY DISPOSAL FEE		
1027. OIL DISPOSAL FEE		
1028. SOLID WASTE DISPOSAL FEES		
1029. VISUAL DAMAGE ESTIMATE (NO-REPAIR/O.R.CUSTOMER)		
1030. FINAL BILL, AUTHORIZATION TO PAY SECURED		
1031. MINIMUM DISASSEMBLE FEE		
1032. NEED TEAR DOWN FOR COMPLETE ESTIMATE		
1033. TOTAL LOSS ADMINISTRATION FEE		