

Required Tools & Equipment for Honda ProFirst Collision Repair Facilities

Item	Body	Paint	Minimum Specification	Recommended Brands
Collision Repair Tools & Equipment				
Frame aligning equipment / bench / rack	X		6500 lb lifting capacity, 4 holding points	Car-O-Liner, Celet, Car Bench
Measuring system	X		3D Electronic measuring system or fixture bench system, +/- 1 mm accuracy for X,Y and Z, with current software subscription	Car-O-Liner Vision, Celette Naja, Chief Laser Lock
Pulling equipment	X		Minimum two towers with 10 ton capability each	Car-O-Liner, Celet, Car Bench
Two post surface lift	X		Minimum 7000lb capacity	
Spot weld drill / cutter	X		6mm, 8mm and 10mm, capable of drilling UHSS	
Panel separator/ seam buster	X		Manual or pneumatic	
Dent puller / Stud welder	X		Stud and washer capable	
High-pressure washer	X			
Wheel dollies	X		Minimum 1500 Lb. capacity (each)	
Porta power set	X		4 ton required	
Tram tracking gauge	X		Metric scale required	
Cavity wax gun or applicator	X		Aerosol is acceptable - 360 Degree spray head with minimum 36" wand	
Undercoat gun or applicator	X		Aerosol is acceptable	
Dry guide coat	X	X	Should have at least one in each department	
Decal remover	X		Eraser wheel type	
Slide hammer	X			
Body seam sealer gun	X			
Heat gun	X		Temperature and fan control required	
Non-contact heat monitoring system	X		Temperature crayons, stickers, or non-contact thermometer	
Applicator gun for 3M two-part adhesive	X		Capable of dispensing 200mL or 450mL cartridges	
Glass removal / installation set	X		Or have access to (sublet)	
Welding and Mig Brazing Equipment				
Spot welding equipment	X		>9000 amp, Clamp Force >= 350 kg - kilograms (772lb - Pounds) (344 daN - Decanewtons) - Must be capable of manual settings	Pro Spot I4 or I5 with PS-600 Gun, Car-O-Liner CR510, Chief/Elektron MI200T
Spot attachment (wheel arch)	X		Clamp Force >= 350 kg (772lb.) (344 daN)	
Spot attachment (long arm)	X		Clamp Force >= 350 kg (772lb.) (344 daN)	
Shunt clamp	X			
Pulse controlled MIG weld equipment	X		180 amp, 220 V with pulse control	Chief/Elektron MM522, ProSpot SP1, SP2, SP5, Car-o-liner CMI273 and twin
Silicon bronze wire	X		ER CuSi-A or CuSi-3 -.08mm diameter	
Mig/Mag weld equipment	X		220, 180 Amp - Requirement MAY be met with pulse welder by changing wire and gas as needed	
980 Mpa wire	X		Only approved wire is Bohler Union X96 - Check Body Repair News - Body repair manual welding & sectioning guideline revisions for updates	Bohler Union X96 - ProSpot, DES, www.honda.snapon.com, Collision Services
Correct shielding gases	X		Ar/Co2 -80/20 Preferred, Ar/Co2 - 75/25 Acceptable, 100% Argon for CuSi Mig Brazing	
Welding blankets	X		Minimum 2 per mig/mag and STRSS welding machine	
Welding spark paper	X			
Auto-dim welding helmet	X		Minimum #11 shade with 3 sensors - One for each Mig/Mag Welder	
Welding respirator	X		Must meet NIOSH 42 CFR part 84	
Stand and tools for destructive testing of Welds	X		Capable of verticle and overhead welding	
Mechanical Repair Equipment				
Engine hoist	X		Or must have access to an engine hoist (Sublet/Rental)	
Tire changer	X		Or must have access to a tire changer (sublet)	
Wheel balancer	X		Or must have access to a wheel balancer (sublet)	
Wheel alignment rack	X		Or must have access to an alignment rack (sublet) - Capable of 4 wheel alignment	
Wheel alignment measuring system	X		Or must have access to an alignment measuring system (sublet) - Capable of 4 wheel alignment - - Must be able to print out measurements with SAI	
A/C recovery / recycle / charging station R134a	X		Or must have access to an A/C machine (sublet) R134a must meet SAE J2788-2010 - Plus trained/certified technician	
A/C recovery / recycle / charging station R1234YF	X		Or must have access to an A/C machine (sublet) R1234YF must meet SAE J 2843:2013 - Plus trained/certified technician	
Battery Tester	X		Or must have access to a Battery Tester (Sublet) - With load testing capability, This may ONLY be sublet IF scanning is also sublet to the same provider	Midtronics ED18V3 handheld or Midtronics GR8-1100 AST Diagnostic Station
A/C electronic leak detector	X		Or must have access to an electronic A/C leak detector (sublet) - R134a and R1234YF capable	
Scan Tool w/ i-HDS Software	X		Or have access to (sublet) - Only devices running i-HDS software qualify for this requirement	Honda scan tool - DST-i and i-HDS software
Insulated linemans gloves	X		Class "0" (black gloves) Must have proof of purchase within shelf life requirements	
Coolant pressure tester	X		Manual or electronic test equipment	
Engine cart	X		Or must have access to a Mobile powertrain dolly	
General Shop Equipment				
Floor jack	X		Minimum 2 1/2 ton lifting capacity, adequate number, capable of lifting low clearance vehicles	
Access to OEM repair procedures	X	X	Technician access to OEM service Information - Complimentary Service Express subscription provided	
Air compressor	X	X	High pressure, high volume, dry and oil free air	
Bench grinder	X			
Battery charger	X		Charger/booster/ jumper with start and boost capability	
Headlight aiming device	X		A reliable means of aiming headlights	
Bench mounted vice	X			
Vacuum cleaner	X			
Jack stands	X		Minimum 3 ton capacity (per pair)	
Belt file sander	X		1/2" wide belt	
Trunk lid spring tools	X		Four Honda tools required, Part numbers: 07AAF-SNAA100, 07AAF-T2AA200, 07AAZ-SOKA100, 07AAF-SDAA100	Per Honda part number - Available from Honda Parts Departments
Hand rivet gun	X		Capable of up to 1/4" rivets - Pneumatic or electric also acceptable	May be manual or pneumatic
Torque wrench	X		Capable of reading in newton meters and pound feet, accurate from 10Nm to 272Nm (7Lbft to 200 Lbft) - Annual calibraton	
Electric extension power cord	X	X	Minimum 12 AWG/ 20 amp with ground prong - Should have at least one in each department	
Air tank	X			

Item	Body	Paint	Minimum Specification	Recommended Brands
Paint & Refinishing Equipment				
Paint booth		X	Capable of low bake, Must have exhaust system compliant with local regulations - 98% Efficient exhaust filters	
Dedicated Mix Room		X	Must have exhaust system compliant with local regulations - Only required where also required by local code.	
Air dryer		X	Refrigerant type, dessicant type or membrane type acceptable	
Paint station with scales		X	As required by paint supplier, scale must be capable of interface with mix computer	
Color formula data		X	Computerized capable of VOC tracking	
Cart for masking paper		X		
Spray gun (for primer)		X	Capable of high transfer efficiency, Must meet local regulations	
Spray gun (for base coat)		X	Capable of high transfer efficiency, Must meet local regulations	
Spray gun (for clear coat)		X	Capable of high transfer efficiency, Must meet local regulations	
Spray gun washer		X	Enclosed system or PPS style cups with written policy for manual gun cleaning	
Bumper stand		X		
Polishing set		X	Adequate number of buffers/polishers - electric or pneumatic acceptable	
Spray stand (hood / trunk)		X		
Spray stand (fender / door)		X		
Digital paint thickness gauge		X	Digital capable of ferrous and non-ferrous measurements	
Painter suits and protective gear		X	As specified by refinish maker	
Technician Tools				
General hand tool set	X			
Body hammer assortment	X			
Dolly assortment	X			
Chisels	X			
Spoon	X			
Hand saw (Pneumatic or Electric)	X			
Disk grinder	X			
Vise grip set	X			
Hand drill (Pneumatic or Electric)	X			
Metric measuring tape (convex)	X		Metric scale required	
Clip remover	X			
Storage for removed parts (cart, box)	X	X		
Double action sander (random orbital sander)	X	X		
Air duster gun	X	X	OSHA approved	
Rubber hammer	X			
Pneumatic / electric ratchet	X			
Pneumatic / electric impact gun	X			
Punch tool set with centering punch	X			
Work gloves	X			
Safety Glasses	X	X	Must meet ANSI Z87.1+.	