

Required Tools & Equipment for Honda ProFirst Collision Repair Facilities

Item	Body	Paint	Minimum Specification
Collision Repair Tools & Equipment			
Frame aligning equipment / bench / rack	X		6500 lb lifting capacity, 4 holding points
Measuring system	X		3D Electronic measuring system or fixture bench system, +/- 1 mm accuracy for X,Y and Z, with current software subscription
Pulling equipment	X		Minimum two towers with 10 ton capability each
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
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
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
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

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
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
Hand rivet gun	X		Capable of up to 1/4" rivets - Pneumatic or electric also acceptable
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 departament
Air tank	X		

Item	Body	Paint	Minimum Specification
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 - electic 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+.