



Required Tools & Equipment for Honda & Acura Collision Repair Facilities



Updated 12/10/2020

Item	Audited Item	Required in Body Area	Required in Paint Area	Minimum Specification
Operations Equipment				
Digital Camera	Yes			Must have digital photography ability
Electronic Estimating System	Yes			Must have current subscription to an electronic estimating system
Printer, Copier and Fax or Scanning device	Yes			Must have ability to copy, print and scan or fax documents
General Shop Equipment				
Light Meter	Yes	X	X	Any commercially available light meter such as the Sunche HS1010 or the Free Android App by Trajkovski Labs may be used (Needed to complete virtual audit)
Air compressor	Yes	X	X	High pressure, high volume, dry and oil free air
Compressed Air dryer	Yes		X	Refrigerant type, desiccant type or membrane type acceptable
Eye wash Stations	Yes	X	X	Must have accessible eye wash stations in each building where repairs are conducted
Fire Extinguishers	Yes	X	X	Must have adequate number of fire extinguishers and maintenance contract with service company
Access to OEM repair procedures		X	X	Technician access to the Honda Service Information System software - Complimentary Service Information Systems software subscription provided to active ProFirst shops
Bench grinder		X		
Headlight aiming device		X		A reliable means of aiming headlights
Bench mounted vice		X		
Vacuum cleaner		X		
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-SNAA100
Hand rivet gun		X		Capable of up to 1/4" rivets - Pneumatic or electric also acceptable
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		
Paint Booth and Mix Room				
Paint booth	Yes		X	Capable of low bake, Must have exhaust system and be compliant with NFPA 33 and OSHA 29.1910.107 - 98% Efficient exhaust filters
Dedicated Mix Room	Yes		X	Must have exhaust system and be compliant with OSHA 1910.107 and NFPA 33-2016 including spill containment and fire retardant material construction
Paint & Refinishing Equipment				
Hazardous Material Storage Containers	Yes	X	X	Must have appropriate storage labeled for liquid and dry hazardous waste material
Paint station with scales	Yes		X	As required by paint supplier, scale must be capable of interface with mix computer
Digital paint thickness gauge	Yes		X	Digital, capable of ferrous and non-ferrous measurements
Spray gun (for primer)	Yes		X	Capable of high transfer efficiency, Must meet local regulations
Spray gun (for base coat)	Yes		X	Capable of high transfer efficiency, Must meet local regulations
Spray gun (for clear coat)	Yes		X	Capable of high transfer efficiency, Must meet local regulations
Spray gun washer	Yes		X	Enclosed system or PPS style cups with written policy for manual gun cleaning
Polishing set	Yes		X	Adequate number of buffers/polishers - electric or pneumatic acceptable (at least one per detailer)
Color formula data			X	Computerized capable of VOC tracking



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Cart for masking paper			X	
Bumper stand			X	
Spray stand (hood / trunk)			X	
Spray stand (fender / door)			X	
Painter suits and protective gear			X	As specified by refinish maker
Collision Repair Tools & Equipment				
Frame aligning equipment / bench / rack	Yes	X		5500 lb. lifting capacity, Minimum 4 holding points (Highly suggested that rack have ability for using fixture jig attachments)
Pulling equipment	Yes	X		Minimum two towers with 10 ton capability each
Measuring system	Yes	X		3D Electronic measuring system with +/- 1 mm accuracy for X,Y and Z and current software subscription
Tram tracking gauge	Yes	X		Metric scale required
Metric measuring tape (convex)	Yes	X		Metric scale required
Cavity wax gun or applicator	Yes	X		Aerosol is acceptable - 360 Degree spray head with minimum 36" wand
Applicator gun for 3M two-part adhesive	Yes	X		Capable of dispensing 200mL or 450mL cartridges
Body seam sealer gun	Yes	X		
Heat gun	Yes	X		Temperature and fan control required
Non-contact heat monitoring system	Yes	X		Temperature crayons, stickers, or non-contact thermometer
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
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		
Glass removal / installation set		X		Or have access to (sublet)
Squeeze-Type Resistance Spot Welding Equipment				
Spot welding equipment	Yes	X		>9000 amp, Clamp Force >= 350 kg - kilograms (772lb - Pounds) (344 daN - Decanewtons) - Must be capable of manual settings
Spot attachment (wheel arch)	Yes	X		Clamp Force >= 350 kg (772lb.) (344 daN)
Spot attachment (long arm)	Yes	X		Clamp Force >= 350 kg (772lb.) (344 daN)
Shunt clamp	Yes	X		
Welding blankets	Yes	X		Minimum 2 per mig/mag and STRSS welding machine
Welding spark paper	Yes	X		
MIG Pulse Welding Equipment				
Pulse controlled MIG weld equipment	Yes	X		Minimum 180 amp, 220 Volt with pulse control



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Silicon bronze wire	Yes	X		ER CuSi-A or CuSi-3 -.8mm diameter (.030")
Correct shielding gases	Yes	X		100% Argon for CuSi Mig Brazing
MAG Welding Equipment				
Mag weld equipment	Yes	X		Minimum 180 Amp, 220 Volt - Requirement MAY be met with pulse welder by changing wire and gas as needed
980 Mpa wire	Yes	X		Approved wires are: Bosch 980J, Bohler Union X96, Washington Alloy Eagle Arc 980X and Titan Technology EQ-5029X96 - Check Body Repair News Welding & Sectioning Guideline for updates
Correct shielding gases	Yes	X		80/20 Ar/Co2 Preferred, 75/25 Ar/Co2 Acceptable
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 vertical and overhead welding
A/C Recharge/Recovery Equipment				
A/C recovery / recycle / charging station R134a	Yes	X		Or must have access to an A/C machine (sublet) R134a must meet SAE J2788-2010 or SAE J2210 Standards - Plus MAC 609 trained/certified technician (invoices are needed as documentation for sublet)
A/C electronic leak detector R-134a	Yes	X		Or must have access to an electronic A/C leak detector (sublet) - R134a Must meet SAE-J2791 Standard - Can only be sublet if R134a charging is also sublet (invoices are needed as documentation for sublet)
A/C recovery / recycle / charging station R1234YF	Yes	X		Or must have access to an A/C machine (sublet) R1234YF must meet SAE J 2843:2013 - Plus MAC 609 trained/certified technician (invoices are needed as documentation for sublet)
A/C electronic leak detector R-1234yf	Yes	X		Or must have access to an electronic A/C leak detector (sublet) - R1234yf Must meet SAE-J2913 Standard - Can only be sublet if R1234yf charging is also sublet (invoices are needed as documentation for sublet)
Collision Related Mechanical Repair Equipment				
Battery charger	Yes	X		Smart Battery Charger/booster/ jumper with start and boost capability - Must be capable of Automatic voltage maintenance
Vehicle Lift	Yes	X		Minimum 7,000 pound capacity and 60" lift allowing technicians and estimators to access vehicle underside for inspections and repairs
Floor jack	Yes	X		Minimum 2 1/2 ton lifting capacity, adequate number, capable of lifting low clearance vehicles
Jack stands	Yes	X		Minimum 3 ton capacity (per pair)
Coolant pressure tester	Yes	X		Manual or electronic test equipment
Insulated lineman's gloves	Yes	X		Class "0" (black gloves)
Torque Wrench(es)	Yes	X		Capable of reading in newton meters and pound feet, accurate from 10Nm to 340Nm (7Lbft to 250 Lbft) - May require multiple wrenches to meet range requirement
Wheel alignment rack	Yes	X		Or must have access to an alignment rack (sublet) - Capable of 4 wheel thrust alignment (invoices are needed as documentation for sublet)
Wheel alignment measuring system	Yes	X		Or must have access to an alignment measuring system (sublet) - Capable of 4 wheel alignment (invoices are needed as documentation for sublet)
Tire changer	Yes	X		Or must have access to a tire changer (invoices are needed as documentation for sublet)



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Wheel balancer	Yes	X		Or must have access to a wheel balancer (sublet) (invoices are needed as documentation for sublet)
Engine hoist		X		Or must have access to an engine hoist (Sublet/Rental)
Engine cart		X		Mobile powertrain dolly
Battery Support and Scanning				
Honda validated Software for Vehicle Scanning	Yes	X		Or must have access to (sublet) - Only the Approved Honda Diagnostic Cloud or devices running the Honda Diagnostic System Software, HDS/i-HDS qualify for this requirement (vendor's invoice and "All DTC Report" are needed as documentation for sublet)
Battery Tester/Analyzer	Yes	X		Smart Battery Tester or Analyzer capable of load testing
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		
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
Soft Faced hammer		X		Rubber, plastic, leather
Pneumatic or electric ratchet		X		
Pneumatic or electric impact gun		X		
Punch tool set with centering punch		X		
Work gloves		X		
Safety Glasses		X	X	Must meet ANSI Z87.1+.