### Required Tools & Equipment for Honda & Acura Collision Repair Facilities

**Updated 5/13/2019**

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#### Collision Repair Tools & Equipment
- **Frame repair equipment (inside rack)**
  - Yes
  - 2500 lb lifting capacity, minimum 4 holding points. (Highly suggested that rack have ability for using fixture g-j attachments)

#### Measuring System
- **Measuring system**
  - Yes
  - 4 1/2" digital measuring system or fixed beam system, +/- 1 mm accuracy for X, Y, and Z, with current software subscription

#### Pulling Equipment
- **Pulling equipment**
  - Yes
  - Minimum 2 tons capacity, with 10 ton capability each

#### Two Post Surface Lift
- **Two post surface lift**
  - Yes
  - Minimum 7000 lb capacity

#### Spot weld drill / cutter
- **Drill / cutter**
  - Yes
  - Minimum 6mm, 8mm, and 10mm capacity capable of drilling UHSS

#### Panel separation / seam buster
- **Panel separation / seam buster**
  - Yes
  - Manual or pneumatic

#### Weld positioner / tool holder
- **Weld positioner / tool holder**
  - X
  - X

#### High pressure washer
- **High pressure washer**
  - X
  - X

#### Wheel / tire changer / lifter
- **Wheel / tire changer / lifter**
  - X
  - X

#### Porta power set
- **Porta power set**
  - Yes
  - 1 ton

#### Train tracking gauge
- **Train tracking gauge**
  - Yes
  - X
  - X

#### Change gun or applicator
- **Change gun or applicator**
  - Yes
  - X
  - X

#### Undercoat gun or applicator
- **Undercoat gun or applicator**
  - X
  - X

#### Eye protection coat
- **Eye protection coat**
  - X
  - X

#### Thermal / Fan control
- **Thermal / Fan control**
  - X

#### Aerosol (360 Degree spray head)
- **Aerosol**
  - X
  - X

#### 220V, 180 Amp
- **220V, 180 Amp**
  - Requirement MAY be met with pulse welder by changing wire and gas as needed

#### Clamp Force >/= 350 kg (772lb) (344 daN)
- **Clamp Force >/= 350 kg (772lb) (344 daN)**
  - X

#### Or have access to (sublet)
- **Or have access to (sublet)**
  - X

#### Manual or electronic test equipment
- **Manual or electronic test equipment**
  - 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
- **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**
  - X

#### Minimum 2 per mig / mag and STRSS welding machine
- **Minimum 2 per mig / mag and STRSS welding machine**
  - X
  - X

#### ER CuSi-A or CuSi-3 .08 mm diameter (.030"
- **ER CuSi-A or CuSi-3 .08 mm diameter (.030"
  - X

#### Minimum 12 AWG / 20 amp with ground prong
- **Minimum 12 AWG / 20 amp with ground prong**
  - Should have at least one in each department

#### Only approved wire is Bohler Union X96 - Check Body Repair News - Body repair manual welding & sectioning guideline revisions for updates
- **Only approved wire is Bohler Union X96 - Check Body Repair News - Body repair manual welding & sectioning guideline revisions for updates**

#### Minimum #11 shade with 3 sensors
- **Minimum #11 shade with 3 sensors**
  - X

#### Or must have access to a tire changer (sublet)
- **Or must have access to a tire changer (sublet)**
  - X

#### X 1/2" wide belt
- **1/2" wide belt**
  - X

#### Temperature crayons, stickers, or non-contact thermometer
- **Temperature crayons, stickers, or non-contact thermometer**
  - X

#### Must meet NIOSH 42 CFR part 84
- **Must meet NIOSH 42 CFR part 84**
  - X

#### A reliable means of aiming headlights
- **A reliable means of aiming headlights**
  - X

#### Minimum 7000 lb capacity
- **Minimum 7000 lb capacity**
  - X
  - X

#### Or must have access to an engine hoist (sublet / rental)
- **Or must have access to an engine hoist (sublet / rental)**
  - 180 amp, 220 V with pulse control

#### 5500 lb lifting capacity, Minimum 4 holding points
- **5500 lb lifting capacity, Minimum 4 holding points**
  - X
  - X

#### 80/20 Ar/Co2 Preferred, 75/25 Ar/Co2 Acceptable, 100% Argon for CuSi Mig Brazing
- **80/20 Ar/Co2 Preferred, 75/25 Ar/Co2 Acceptable, 100% Argon for CuSi Mig Brazing**
  - X

#### Or must have access to an alignment rack (sublet) - Capable of 4 wheel thrust alignment
- **Or must have access to an alignment rack (sublet) - Capable of 4 wheel thrust alignment**
  - X

#### Eraser wheel type
- **Eraser wheel type**
  - X

#### Or must have access to an electronic A/C leak detector (sublet) - R134a and R1234YF capable (May be two devices)
- **Or must have access to an electronic A/C leak detector (sublet) - R134a and R1234YF capable (May be two devices)**
  - X

#### Metric scale required
- **Metric scale required**
  - X

#### Minimum 3 ton capacity (per pair)
- **Minimum 3 ton capacity (per pair)**
  - X

#### Or must have access to a Smart Battery Tester (Sublet)
- **Or must have access to a Smart Battery Tester (Sublet)**
  - X
  - X

#### X 9000 amp, Clamp Force >/= 350 kg - kilograms (772lb - Pounds) (344 daN - Decanewtons) - Must be capable of manual settings
- **X 9000 amp, Clamp Force >/= 350 kg - kilograms (772lb - Pounds) (344 daN - Decanewtons) - Must be capable of manual settings**
  - X

#### Floor jack
- **Floor jack**
  - X
  - X

#### Bench grinders
- **Bench grinders**
  - X

#### Air conditioner
- **Air conditioner**
  - X

#### Battery charger
- **Battery charger**
  - X

#### Headlight aiming device
- **Headlight aiming device**
  - X

#### Bench mounted vacuum cleaner
- **Bench mounted vacuum cleaner**
  - X

#### Belt files
- **Belt files**
  - X

#### Electric extension power cord
- **Electric extension power cord**
  - X

#### General Shop Equipment
- **General Shop Equipment**
  - X

#### Auto-body repair procedures
- **Auto-body repair procedures**
  - X

#### Access to bold repair procedures
- **Access to bold repair procedures**
  - X

#### Air compressor
- **Air compressor**
  - X

#### Battery charger
- **Battery charger**
  - X

#### Headlight aiming device
- **Headlight aiming device**
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#### Bench mounted vacuum cleaner
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#### Belt files
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#### Electric extension power cord
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