

## **Plasma cutting application:**

### **Transit bus repair**

#### **Specific plasma use**

##### **Body and floor panel replacement**

Corroded or collision damaged body and floor panels, typically 20 gauge (.9 mm) thick, are cut away to install replacement panels.

**Systems:** Powermax30® or 600

##### **Frame repair**

Portions of collision or corrosion damaged frames, typically 1/8 to 3/16" (3 to 4.5 mm) thick, are cut away to install a replacement section.

**Systems:** Powermax30 or 600

##### **Exhaust replacement**

Corroded or damaged sections of exhaust systems, brackets and bolts are cut loose for the installation of new parts.

**Systems:** Powermax30 or 600

##### **Bracket removal**

Welds securing mounting brackets that have bent or crushed during collisions are gouged out or cut away to install replacement parts.

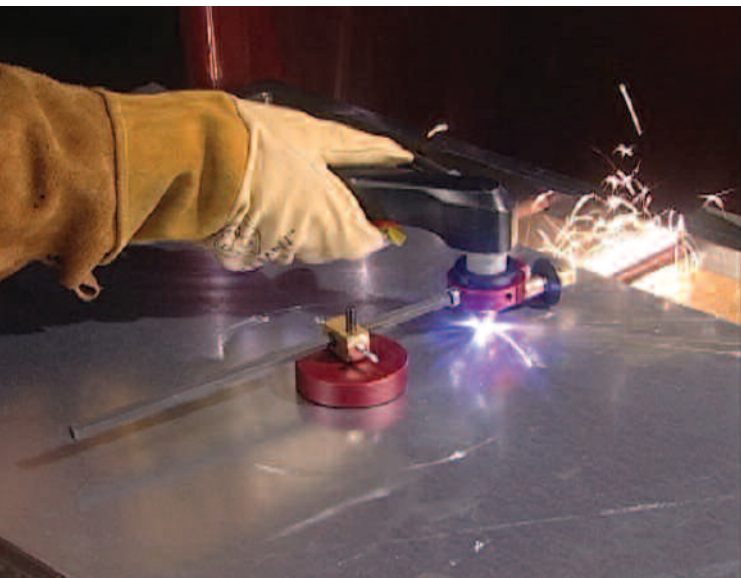
**Systems:** Powermax30 or 600



# **Transit Bus Repair**

#### **Specific benefits of Powermax systems**

- Superior speed of plasma cutting results in shorter cut times and greater productivity over conventional processes such as oxyfuel and saws.
- High cut quality reduces or eliminates secondary operations such as grinding.
- Piercing capabilities for ease of starting interior cuts.
- Hypertherm's drag-cutting technology makes it easy to follow a line or template.
- Gouging process offers ease of removing existing welds with reduced noise and smoke over conventional methods.
- System portability offers ease of cutting at various locations.
- The controlled arc and high cutting speeds reduce heat-affected zone and metal distortion.
- Cut a variety of ferrous and non-ferrous metals.
- Use of FineCut consumables delivers higher quality cuts as a result of less dross, narrow kerf and smaller heat-affected zone.



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