

Aluminum Alloy Repair

Filler Metals

When "filler metal" is mentioned in this text, it refers to welding rods for TIG welding and to electrode wire for MIG welding.

The selection of the filler metal affects the following items relating to the state of the welded joints:

- a) Flaws in joints (bead cracks)
- b) Strength of joints
- c) Toughness of joints (tenacity)
- d) Resistance of joints to corrosion

[A5356WY] is the filler metal best suited to aluminum alloys in the 5000 and 6000 series which are used for Honda aluminum alloy bodies.

Filler metal storage

Proper storage of filler metals is important for best welding results.

NOTE:

- Store filler metals where they will not become dirty or scratched and where they will be free from contact with oils and greases.
- Use clean gloves when handling filler metals. Seal them in airtight vinyl bags, and store at a constant temperature in a location where they will be dry at all times. Before sealing the electrode wire, make sure that it is wound properly on its spool.
- Take steps to ensure that the seal cover is not opened until actual use.