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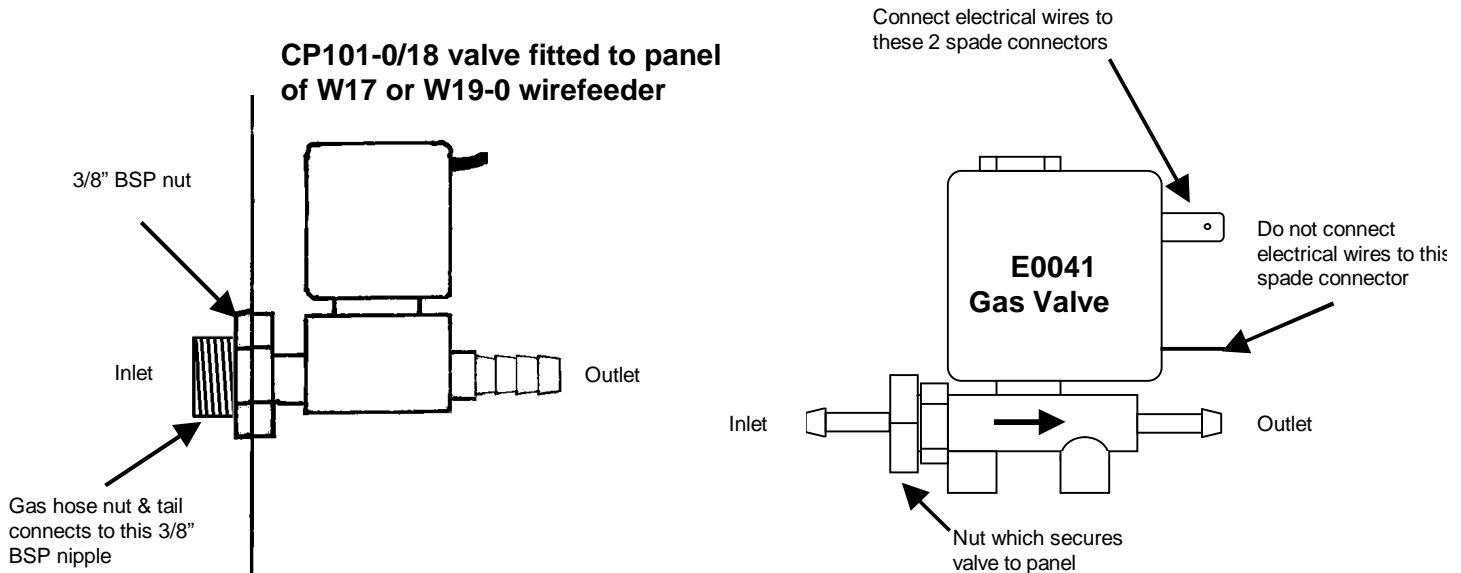
BULLETIN # 224

GENERAL

REPLACEMENT FOR CP101-0/18 GAS VALVE

The 24 volt dc gas valve, CP101-0/18 used on many WIA MIG welders has been discontinued. A suitable replacement is the 24 volt dc gas valve, part number E0041 used on current models.

This gas valve has 2 barbs ready to accept 5mm gas hose, so replacing the older style valve with an E0041 is quite easy for most models. However for the W17 or W19-0 wirefeeder, the replacement is more complicated. This is because the W17 and W19-0 wirefeeders use a brass nipple W17-14/1 with the CP101-0/1 valve, allowing the gas valve to be mounted onto the wirefeeder panel with a 3/8" BSP male thread exiting from the panel. The nut and tail on the end of the gas hose can be easily connected and disconnected to/from the wirefeeder.



The E0041 gas valve may be fitted to a W17 or W19-0 wirefeeder in 2 different ways.

Method 1. (discarding the nut and tail)

Requires: E0041 gas valve, 1 x worm drive hose clamp 1 x hose clamp to suit 5mm gas hose.

1. Remove the wiring connectors and gas hose from the old valve.
2. Undo the 3/8" BSP nut and remove the gas valve.
3. Fix the E0041 valve to the panel using the nut provided with it, but add two large washers of 1/2" inner dia. The gas hose from inside the wirefeeder can be attached to the outlet barb on the new gas valve.
4. Connect the electrical wires to the new valve.
5. The gas hose will need to have its nut and tail removed and is fitted directly onto the inlet barb of the new gas valve using a worm drive hose clamp (to allow for easy disconnection).

QUALITY WELDING PRODUCTS, SYSTEMS AND SERVICES

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Method 2. (retaining the nut and tail)

Requires: E0041 gas valve, 2 x M4 screws, 1 x TC262 panel mount nipple (3/8" BSP male thread and gas barb to suit 5mm gas hose), short piece of 5mm gas hose, 2 x hose clamps to suit 5mm gas hose.

1. Remove the old gas valve, but retain the nut which secured it to the panel.
2. Fit a TC262 panel mount nipple onto the panel with the nut removed in step 1.
3. Mount the new gas valve inside the case in a convenient place for wiring and gas hose. Drill holes in the panel to secure the new valve, and secure using M4 screws.
4. Connect the electrical wires to the new valve.
5. Connect the hose from the wirefeed mechanism to the outlet of the new valve.
6. Connect a new piece of gas hose joining the gas barb on the TC262 nipple to the inlet of the new valve.
7. Secure all gas joins with clamps.

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