

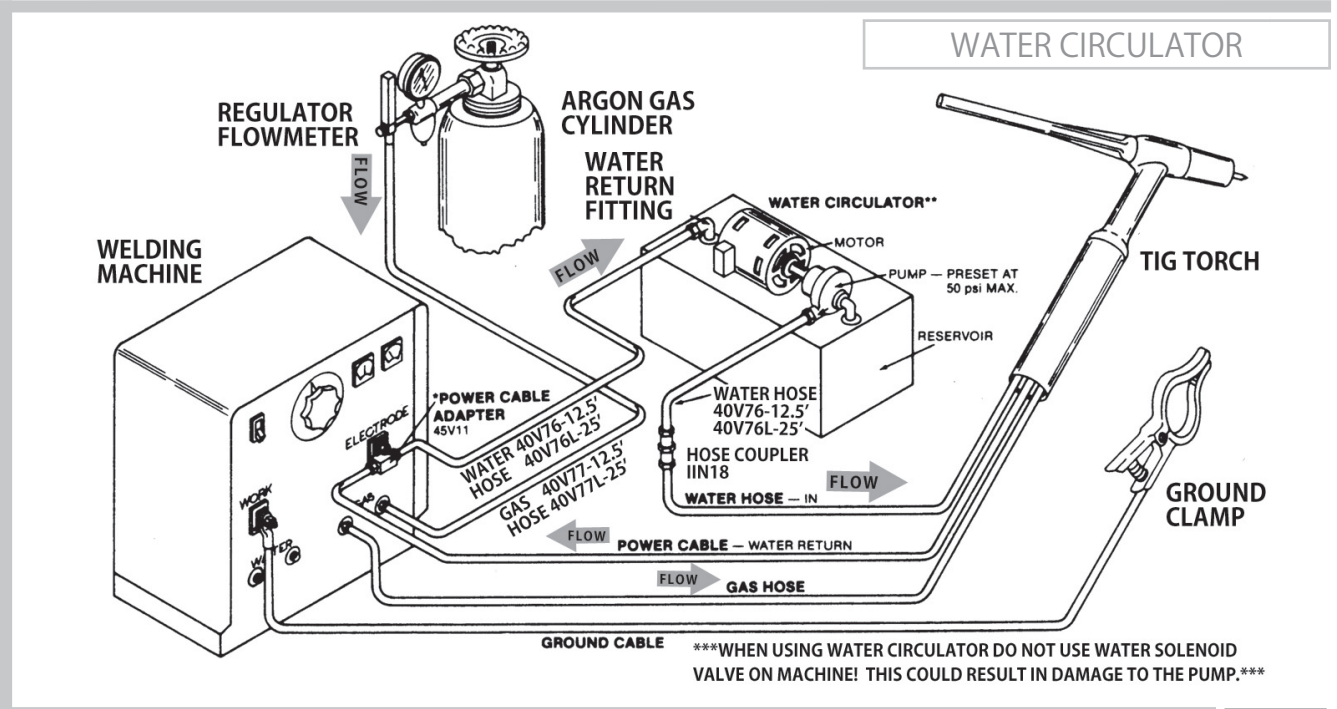


CONNECTING YOUR

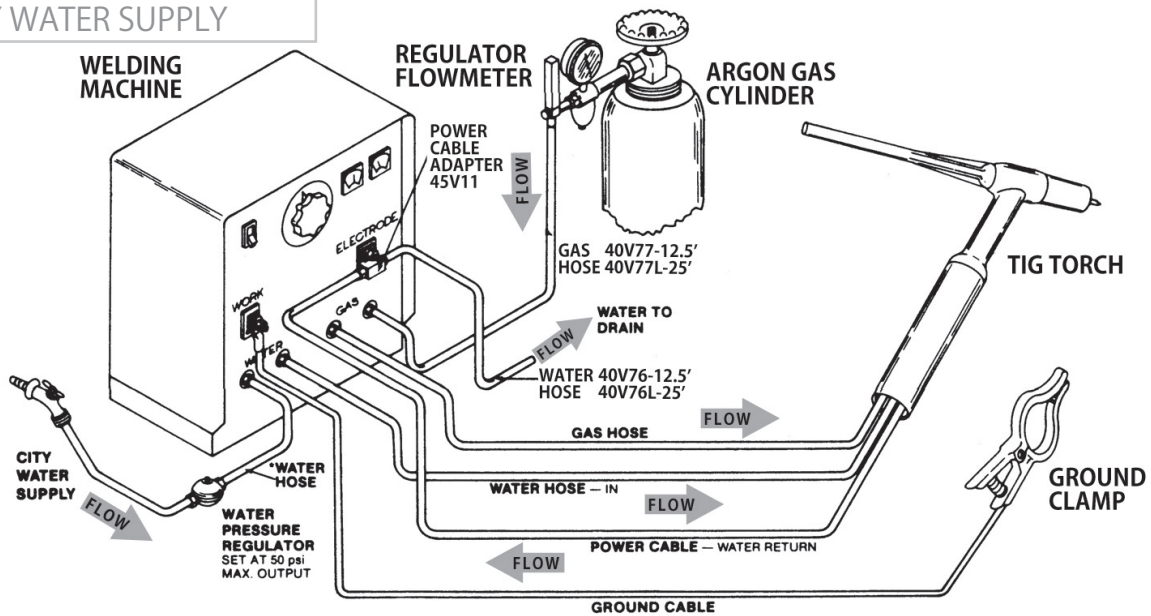
TIG TORCH

WATERCOOLED

WATER COOLED TIG TORCH



CITY WATER SUPPLY



WATER COOLED TIG TORCH

CONTACT



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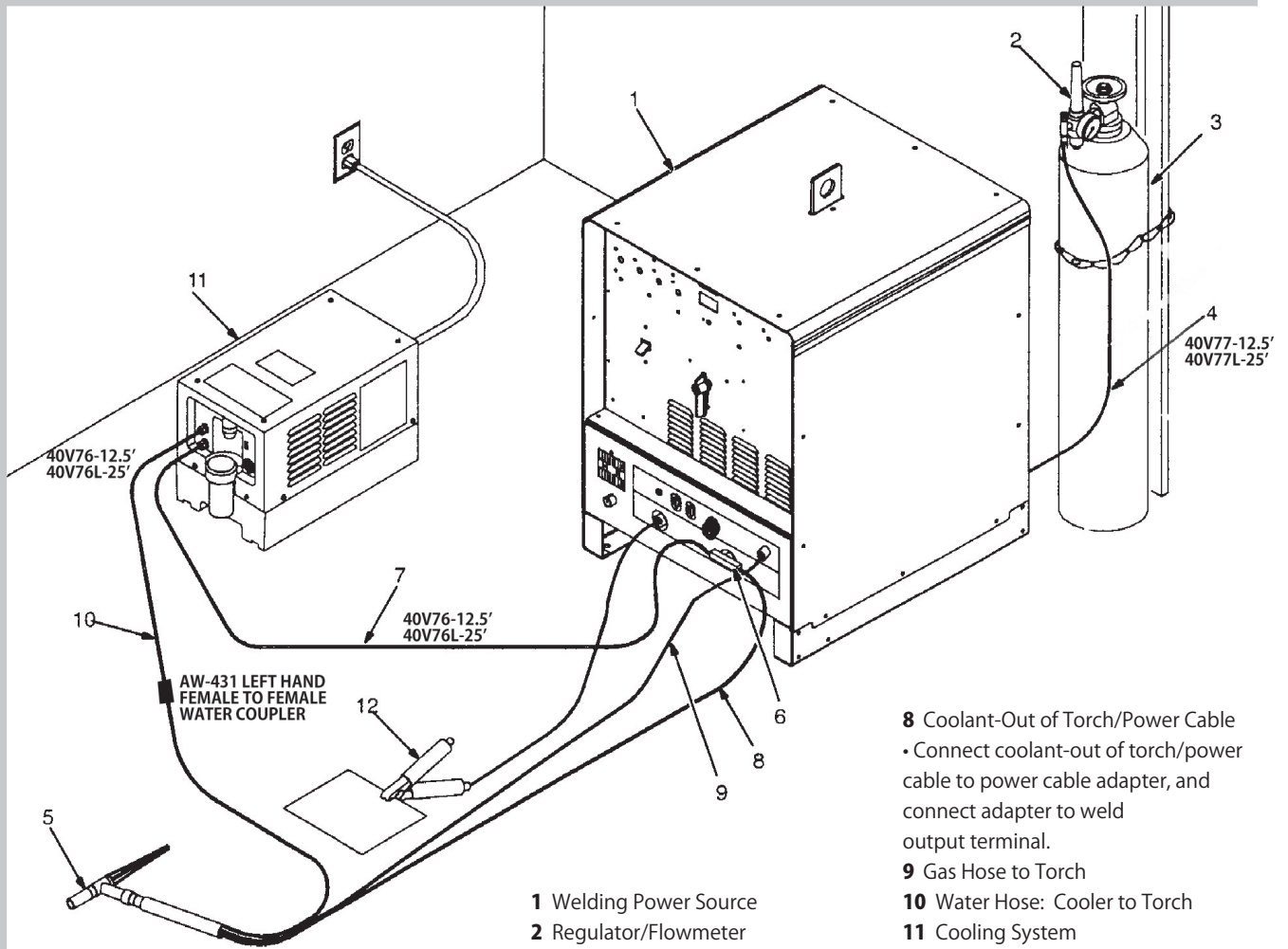
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CONNECTING YOUR TIG TORCH

WATERCOOLED

CONNECTING TORCH WHEN USING A FREESTANDING COOLANT SYSTEM



- 1 Welding Power Source
- 2 Regulator/Flowmeter
- 3 Argon Cylinder
- 4 Gas Hose with 5/8"-18 Right-Hand Male Thread Fittings at both ends.
- 5 Water Cooled TIG Torch
- 6 Power Cable Adapter- 45V11
- 7 Water Return Hose with 5/8"-18 Left-Hand Fittings at both ends.

- 8 Coolant-Out of Torch/Power Cable
• Connect coolant-out of torch/power cable to power cable adapter, and connect adapter to weld output terminal.
- 9 Gas Hose to Torch
- 10 Water Hose: Cooler to Torch
- 11 Cooling System
- 12 Work Clamp
• Connect work clamp to clean, paint-free location on workpiece, close to the weld.

TOOLS
NEEDED: 5/8", 7/8", 1-1/8", 11/16", 3/4"



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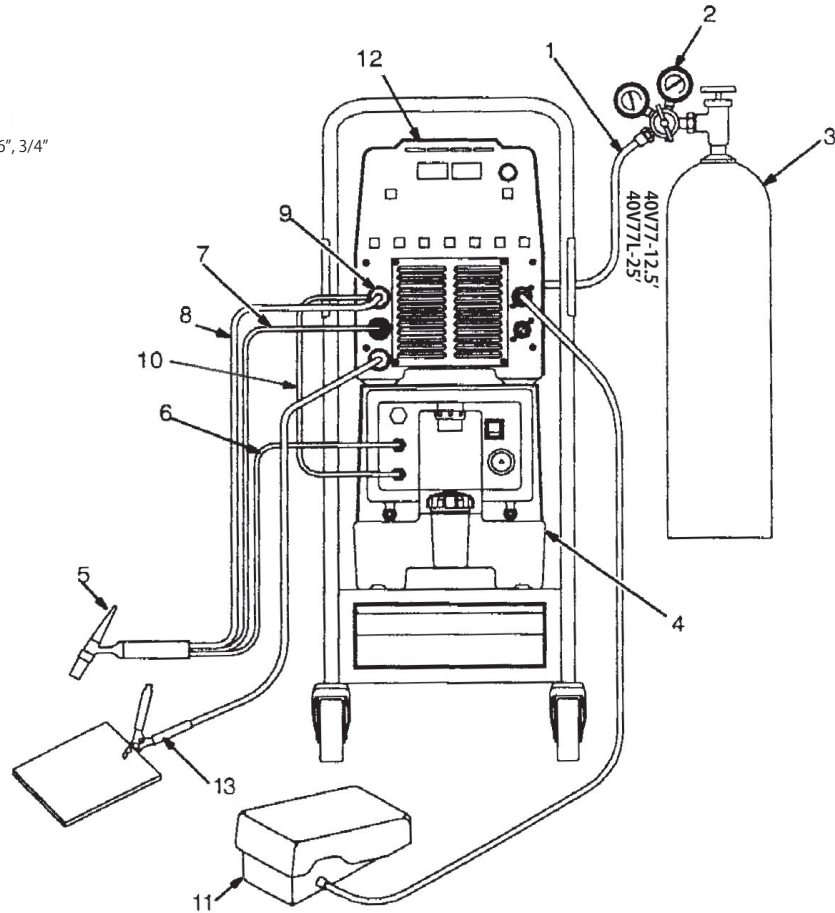


CONNECTING YOUR TIG TORCH

WATERCOOLED

CONNECTING TORCH TO AN INVERTER STYLE COMPACT POWER SOURCE AND WATER COOLER

TOOLS
NEEDED: 5/8", 7/8", 1-1/8", 11/16", 3/4"



1 Gas Hose With 5/8"-18 Right-Hand Male Thread Fittings at both ends

Connections

2 Regulator/Flowmeter

3 Argon Cylinder

4 Coolant System

5 Water Cooled TIG Torch

6 Coolant-Into Torch Hose

7 Torch Gas Hose

8 Coolant-Out of Torch/Power Cable

9 International Dinse Style Adapter

• Connect coolant-out of torch/power cable to dinse adapter, and connect adapter to weld output terminal.

10 Water Return Hose off side of Dinse Adapter (Red Hose)

Note: It may be necessary to use a make-up hose (40V76) with AW-431 5/8"-18 Left Hand Female to Female Coupler.

11 Foot Control

12 Welding Power Source

13 Work Clamp

• Connect work clamp to clean, paint-free location on workpiece, close to the weld.



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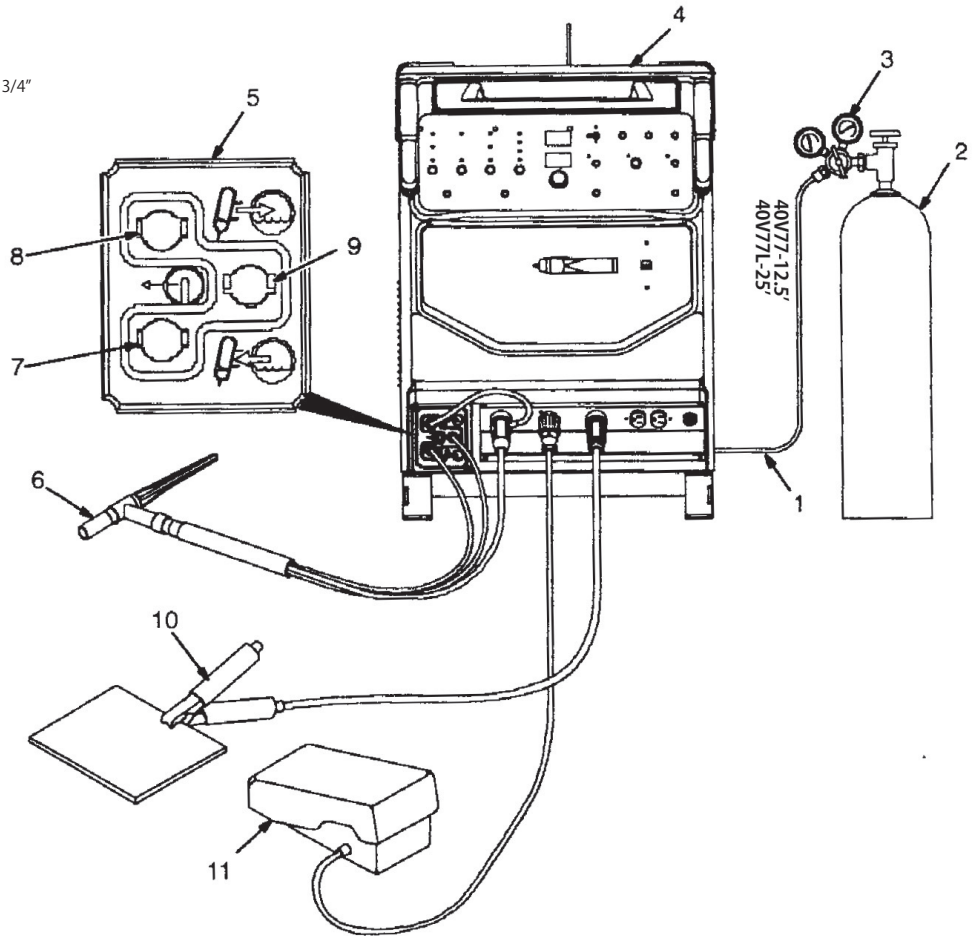


CONNECTING YOUR TIG TORCH

WATERCOOLED

CONNECTING TORCH TO A TRANSFORMER RECTIFIER/LARGE POWER SOURCE WITH INTEGRATED WATER COOLER

TOOLS
NEEDED: 5/8", 7/8", 1-1/8", 11/16", 3/4"



1 Gas Hose With 5/8"-18 Right-Hand Male Thread Fittings at both ends

Connections

- 2** Argon Cylinder
- 3** Regulator/Flowmeter
- 4** Power Source
- 5** Coolant System
- 6** Torch

7 Coolant-Into Torch Hose

- 8** Coolant-Out of Torch/Power Cable
 - Connect torch coolant-out of torch/power cable to power cable adapter, and connect adapter to weld output terminal.
- 9** Torch gas hose
- 10** Work Clamp

• Connect work clamp to clean, paint-free location on workpiece, close to the weld.

- 11** Foot Control
- ***Note: You may need a AW-431 Coupler and make-up Water Hose 40V76 based on your machine style.***



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