

HOSE REPLACEMENT INSTRUCTIONS

7. TEST FOR LEAKS

Close torch valves and pressurize torch (both hoses) to 10 to 12 psi. Immerse torch in water and check connections and torch for leaks (bubbles). If a leak is not observed, the torch is now ready to use. If leak is observed, DO NOT USE. EQUIPMENT SHOULD BE TAKEN TO A QUALIFIED REPAIR STATION.

D. MODELS 11-1101C, 11-1102C, 11-1103C, 11-1104C TORCH BODIES

The following instructions apply only to these torch models. Check instructions per you specific torch body number as stamped on the black handle tube.

TO REMOVE OLD HOSE

1. Lock ferrule tool in vise. Insert tool between torch body and ferrule See Figure 4.
2. Grasp torch firmly and pull forward. The ferrule will slide back on the hose. Repeat operation on second hose. Slide ferrule away from torch.
3. Remove hose from torch body.

TO ATTACH NEW HOSE

1. Check that regulator right hand thread nut is on green/blue hose and left hand thread (grooved) nut is on red hose. Place new ferrule on each hose and slide ferrule down each hose one to two inches.
2. Slide the green hose over the barbed nipple. Slip hose into ferrule tool below ferrule and slide tool against end of ferrule.
3. Push metal ferrule onto barbed nipple. Slip hose into ferrule tool below ferrule and slide tool against end of ferrule.
4. Hold torch so that ferrule tool is resting on top of vise, jaws opened to approximate width of hose. with a plastic hammer, wood block or equivalent, tap lightly on end of tubing or socket until the metal ferrule just covers the barbs of the nipples. See Figure 1. Remove tool.
5. Repeat instructions for red hose.

6. TEST FOR LEAKS

Close torch valves and pressurize torch (both hoses) to 10 to 12 psi. Immerse torch in water and check connections and torch for leaks (bubbles). If a leak is not observed, the torch is now ready to use. If leak is observed, DO NOT USE. EQUIPMENT SHOULD BE TAKEN TO A QUALIFIED REPAIR STATION.

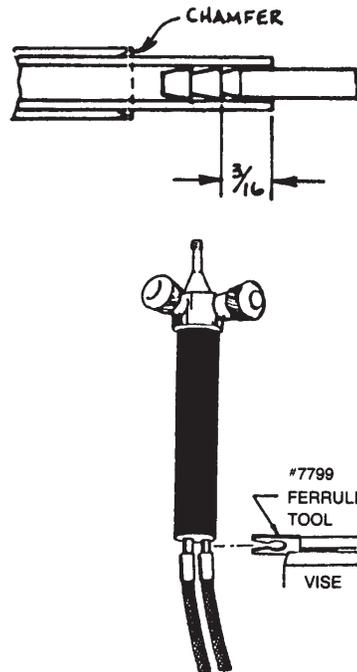


Figure 4

This "Little Torch" hose is manufactured of a special material designed to be compatible with oxygen and the various fuel gases at recommended pressures. Test results have shown this new color coded hose will give longer service life through increased abrasion resistance, burst pressure and flexibility

Replacement hose is available in 8' lengths. Do not use hose lengths in excess of 12' or other than genuine Smith replacement parts.

Instructions in this form cover all "The Little Torch" models manufactured.

Identify the specific model number by referring to the model number stamped on the black handle of the torch body. Then refer to the specific instructions for that model.

Section A 11-1101 torch body
Section B 11-1101A torch body

Section C 11-1101B torch body
Section D 11-1101C torch body

A. MODEL 11-1101 TORCH BODY

The following instructions apply only to this model torch body. Check instructions for you specific torch body number as stamped on the black handle tube.

TO REMOVE OLD HOSE

Immerse torch, (11-1101 torch body) hoses and connections in hot water (nearly boiling) to soften old hose. After a few minutes, hose will be sufficiently soft to be easily pulled from fitting nipple on torch head. Care should be exercised to prevent burns from heated parts.

CAUTION: DO NOT nick, scratch or otherwise deform nipple with tools when removing hose.

A. TO ATTACH NEW HOSE

1. Check the regulator right hand thread nut is on green hose and left hand thread (grooved) nut is on red hose. Place new ferrule on each hose and slide ferrules down each hose one to two inches.
2. Slide the green hose over the green barbed nipple at the back of the torch until hose is 3/16" past the barb on the nipple.
3. Push metal ferrule onto barbed nipple. Slip hose into ferrule tool below ferrule and slide tool against end of ferrule.

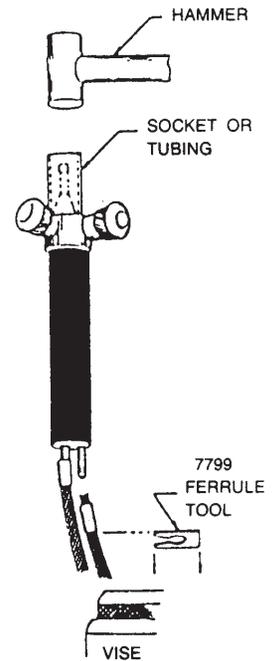


Figure 1

4. Hold torch so that ferrule tool is resting on top of vise, jaws opened to approximate width of hose. With a plastic hammer, wood block or equivalent, tap lightly on end of tubing or socket until the metal ferrule just covers the barbs of the nipple. See Figure 1. Remove ferrule tool.

5. Repeat instructions for red hose.

6. TEST FOR LEAKS

Close torch valves and pressurize torch (both hoses) to approximately 10 to 12 psi. Immerse torch in water and check connections and torch for leaks (bubbles). If a leak is not observed the torch is now ready to use. If leak is observed, **DO NOT USE. EQUIPMENT SHOULD BE TAKEN TO A QUALIFIED REPAIR STATION.**

B. MODEL 11-1101A TORCH BODY

The following instructions apply only to this model torch body. Check instructions for your specific torch body number as stamped on the black handle tube.

TO REMOVE OLD HOSE

1. Unscrew black handle from torch head. Slide handle away from torch head.
2. Immerse torch, hoses and connections in hot water nearly boiling to soften old hose. After a few minutes, hose will be sufficiently soft to be easily pulled from fitting nipple on torch head. Care should be exercised to prevent burns from heated parts.

CAUTION: DO NOT nick, scratch or otherwise deform nipple with tools when removing hose.

TO ATTACH NEW HOSE

1. Check that regulator right hand thread nut is on green hose and left hand thread (grooved) nut is on red hose. Place new ferrule on each hose and slide ferrules down each hose one to two inches.
2. Insert hoses through the black handle tube of the torch body. Slide handle down hoses to allow work space. **NOTE:** Knurled portion of torch handle must face the torch head.
3. Slide the green hose over the barbed nipple nearest the green torch valve until the hose completely covers the nipple.
4. Push metal ferrule onto barbed nipple nearest the green torch valve until the hose completely covers the nipple.
5. Hold torch so that ferrule tool is resting on top of vise, jaws, opened to approximate width of hose. With a plastic hammer, wood block or equivalent, tap lightly on end of tubing or socket until the metal ferrule just covers the barbs of the nipples. See Figure 2. Remove ferrule tool.

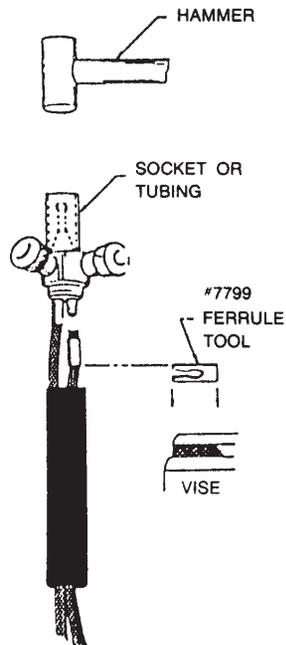


Figure 2

6. Repeat instructions for red hose.

7. TEST FOR LEAKS

Close torch valves and pressurize torch (both hoses) to 10 to 12 psi. Immerse torch in water and check connections and torch for leaks (bubbles). If a leak is not observed, the torch is now ready to use. If leak is observed, **DO NOT USE. EQUIPMENT SHOULD BE TAKEN TO A QUALIFIED REPAIR STATION.**

C. MODELS 11-1101B, 11-1102B, 11-1103B, 11-1104B TORCH BODIES

The following instructions apply only to these torch models. Check instructions per you specific torch body number as stamped on the black handle tube.

TO REMOVE OLD HOSE

1. Unscrew black handle from torch. Slide handle away from torch head.
2. Lock ferrule tool in vise. Insert tool between torch head and ferrule. See Figure 3.
3. Grasp torch firmly and pull forward. The ferrule will slide back on the hose. Repeat operation on second hose. Slide ferrules and fabric covering away from torch.
4. Immerse torch, hoses and connections in hot water (nearly boiling) to soften old hose. After a few minutes, hose will be sufficiently soft to be easily pulled from fitting nipple on torch head. Care should be exercised to prevent burns from heated parts.

CAUTION: DO NOT nick, scratch or otherwise deform nipple with tools when removing hose.

TO ATTACH NEW HOSE

1. Check that regulator right hand thread nut is on green hose and left hand thread (grooved) nut is on red hose. Place new ferrule on each hose and slide ferrule down each hose one to two inches.
2. Insert hoses through the black handle tube of the torch body. Slide handle down hoses to allow work space. **NOTE:** Knurled portion of torch handle must face the torch head.
3. Slide the green hose over the barbed nipple nearest the green torch valve until hose is against end of ferrule.
4. Push metal ferrule onto barbed nipple. Slip hose into ferrule tool below ferrule and slide tool against end of ferrule.
5. Hold torch so that ferrule tool is resting on top of vise, jaws opened to approximate width of hose. With a plastic hammer, wood block or equivalent, tap lightly on end of tubing or socket until the metal ferrule just covers the barbs of the nipples. See Figure 2. Remove tool.

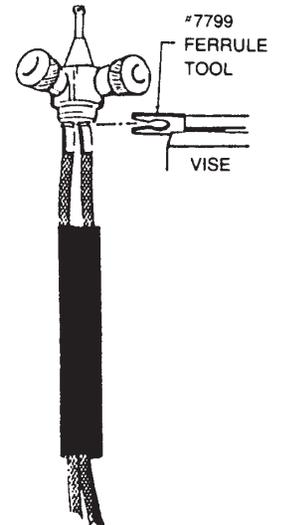


Figure 3

6. Repeat instructions for red hose.