OPERATOR’S MANUAL

WARNING: BEFORE USE, READ AND UNDERSTAND OPERATOR’S MANUAL. Wear impact-resistant protective eyewear in work area at all times. This reel must only be mounted to a load bearing structural object such as a stud, rafter or floor which can support the combined weight of reel and hose and can withstand pulling forces on hose when in use. Air hose is designed for use on regulated air compressor systems. DO NOT EXCEED MAXIMUM WORKING PRESSURE. Be sure to restrain hose as it re winds - do not allow hose to rewind at full speed. Never exceed air pressure rating for any air tool. Read and follow all air tool owner’s manuals and instructions. Certain air tools, such as paint spray guns, sanders, grinders, and sandblasting equipment, present specific dangers and hazards. Consult applicable material safety data sheet for precautions and possible respirator recommendation.

CALIFORNIA WARNING: This product contains chemicals known to the State of California to cause birth defects or other reproductive harm. Please wash hands thoroughly after handling.

STORE THIS MANUAL IN A SAFE PLACE FOR FUTURE REFERENCE.

NEED HELP?
Save time, contact us first.
888-648-8665
support@tektontools.com

DO NOT RETURN TO STORE

® Models
4677, 46771,
4678, 46781,
4679, 46791

AUTO RETRACTING AIR HOSE REEL
For complete parts diagram, see page 6-7, centerfold of book
OPERATING AIR HOSE REEL

BEFORE MOUNTING AIR HOSE REEL, please take a few minutes to understand how the reel works. Practice operating the hose reel a few times, pulling hose out and retracting it back onto reel. This will familiarize you with basic functions and can help you understand where best to mount the air hose reel.

This air hose reel automatically retracts air hose using an internal spring motor. When hose is pulled from reel, it is pulled against the tension of the spring motor. The more hose is pulled out, the greater the tension built up in spring motor. NEVER LET GO OF HOSE WHILE PULLING FROM REEL. Letting go will allow hose to rewind at uncontrolled speed, possibly damaging the internal spring or guide collar.

1. Grasp air hose and pull slowly from reel. As hose is pulled from reel, the entire reel drum rotates. To prevent extra wear on air hose, periodically check to be sure guide rollers inside collar are rolling smoothly.

2. As reel drum rotates, the locking gear and pawl make a short series of four clicking sounds each 1/2 revolution. In one revolution, there are a total of eight locking positions.

3. **TO LOCK REEL IN POSITION**, slow down pulling motion as desired length of hose is reached. While slowly pulling, listen for each short series of clicking sounds. As the reel is clicking, stop pulling hose and decrease tension. Reel should lock in position.

**TO RETRACT HOSE ONTO REEL**, slowly pull hose out until the first series of clicks stops. This means the locking pawl has cleared the locking gear. DO NOT LET GO OF HOSE! Slowly allow hose to rewind onto reel until hose stopper rests against guide collar.

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![Diagram](image_url)

1. **DO NOT PULL HOSE OUT BY GRASPING ATTACHED TOOL.** This will damage air hose. Pull only by grasping air hose itself.

2. **PULL**

3. **LOCKING GEAR**

   - Rotating drum
   - Locking gear
   - Locking pawl

---

page 3
MOUNTING HOSE REEL

Choosing a Location

**DO NOT MOUNT HOSE REEL OUTDOORS OR ON VEHICLE.** This hose reel is not designed to resist constant exposure to weather or continuous vibration. Mount under cover in an area not directly exposed to weather.

Reel can be mounted on the floor, ceiling, or wall, wherever it is convenient. **When choosing a location, remember that you can only mount reel to a load-bearing structural member capable of supporting combined weight of reel, hose, and forces caused by pulling or maneuvering hose.** Mounting reel near air compressor may be desirable since you can connect the two with a shorter, less expensive length of hose. Also, air compressor controls will be conveniently nearby.
1. Use included mounting template to mark hole locations. Tape securely in position before marking. Remove template when finished.
2. Drill holes for bolts. Keep drill steady and in line with hole to prevent wobbling and enlarging of hole.
3. Pre-install lower pair of hardware and tighten down leaving just enough space to snugly fit base.
4. Hang hose reel by sliding slotted base onto installed hardware. Carefully let go of hose reel, making sure its weight is being supported. Hose reel should support itself in this position long enough to install remaining hardware.
5. Immediately install second set of hardware. Tighten all hardware until snug. Do not overtighten.

**ATTENTION - Mounting bolts can loosen with heavy use or over time. Check condition of mounting bolts every 6 months.**
**PARTS LIST**

1. Main Spring Cover - Outside
2. Main Spring
3. Main Spring Cover - Inside
4. Drum - Outside
5. Drum - Inside
6. Support Leg and Base
7. Guide Arm
8. Hose Guide Collar
9. Back Plate
10. Rollers (4) & Pins (4)
11. Air Inlet Valve
12. Swivel Connector
13. Retaining Ring
14. Washer
15. Nut (4)
16. Bolt (4)
17. Nut (4)
18. Hose Clamp
19. Bolt
20. Nut
21. Carriage Bolt (3)
22. Nut (3)
23. Axle
24. Washer
25. Nut
26. Locking Gear Hub
27. Locking Gear
28. Locking Pawl
29. Locking Pawl Axle
30. Locking Pawl Spring
31. Spacer
32. Washer
33. Nut
34. Carriage Bolt (4)
35. Nut (4)
36. Bolt (3)
37. Nut (3)
38. Bolt (4)
39. Nut (4)
40. Hose Stopper
41. Bolt (2)
42. Nut (2)
43. Washers (2)
44. Air Hose

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**Diagram**

1. Main Spring Cover - Outside
2. Main Spring
3. Main Spring Cover - Inside
4. Drum - Outside
5. Drum - Inside
6. Support Leg and Base
7. Guide Arm
8. Hose Guide Collar
9. Back Plate
10. Rollers (4) & Pins (4)
11. Air Inlet Valve
12. Swivel Connector
13. Retaining Ring
14. Washer
15. Nut (4)
16. Bolt (4)
17. Nut (4)
18. Hose Clamp
19. Bolt
20. Nut
21. Carriage Bolt (3)
22. Nut (3)
23. Axle
24. Washer
25. Nut
26. Locking Gear Hub
27. Locking Gear
28. Locking Pawl
29. Locking Pawl Axle
30. Locking Pawl Spring
31. Spacer
32. Washer
33. Nut
34. Carriage Bolt (4)
35. Nut (4)
36. Bolt (3)
37. Nut (3)
38. Bolt (4)
39. Nut (4)
40. Hose Stopper
41. Bolt (2)
42. Nut (2)
43. Washers (2)
44. Air Hose

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**Page 6**

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**99001**

**99002**

**99040**
<table>
<thead>
<tr>
<th>ASSEMBLY</th>
<th>DESCRIPTION</th>
<th>FITS THIS HOSE</th>
<th>REEL</th>
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<tbody>
<tr>
<td>99001</td>
<td>3/8&quot; Air Inlet Assembly</td>
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<tr>
<td>99002</td>
<td>Locking Pawl Assembly</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>99003</td>
<td>Guide Collar and Roller Assembly</td>
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<td>3/8&quot; Hose Stopper Assembly</td>
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<tr>
<td>99005</td>
<td>Main Spring Canister Assembly</td>
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<td>1/2&quot; Air Inlet Assembly</td>
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<td>1/2&quot; Hose Stopper Assembly</td>
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<td>1/2&quot; x 50' Air Hose</td>
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<td>Guide Rollers and Pins</td>
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<td>3/8&quot; O-Ring Kit</td>
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<tr>
<td>99042</td>
<td>1/2&quot; O-Ring Kit</td>
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</tbody>
</table>
MAKING ADJUSTMENTS

Adjusting the Guide Arm

1. Pull out 3-4 feet of hose and lock reel in position.

2. Remove the four bolts connecting guide arm to base.

3. Rotate guide arm to one of five positions desired. Replace four bolts and tighten.

Assemble bolts as shown.
Adjusting Recoil Tension
Hose reel is shipped with spring tension properly set. Be aware that spring tension is calibrated to retract entire length of air hose. If you are working with only part of the air hose length, recoil action may seem slower than expected. However, if you feel hose renews too quickly or too slowly, you can easily adjust the tension of the main recoil spring by simply turning the reel drum to a new "home" position.

⚠️ DO NOT SET TOO MUCH TENSION IN SPRING. Damage to spring could result.

1. Disconnect incoming air supply.
2. Pull out about two feet of hose and lock reel in position.
4. While firmly gripping edge of reel drum, turn reel clockwise (as viewed from air inlet side) just enough to release locking pawl.
   DO NOT LET GO OF REEL DRUM, or it will spin uncontrolled until all spring tension is lost.
   To Increase Tension: Turn reel drum clockwise until desired tension has been added. Lock reel in nearest locking position.
   To Decrease Tension: Allow reel drum to slowly turn counterclockwise until extra tension has been released. Lock reel in nearest locking position.
5. Feed hose through hose guide. Re-attach hose stopper.
6. Connect incoming air supply.

Adjusting Hose Stopper Position
The hose stopper determines the length of hose that remains outside of reel. To adjust stopper position, first pull hose out past the desired position of hose stopper. Lock reel in position. Loosen (but do not remove) both stopper bolts just enough so stopper can slide along hose. Move stopper to desired position. Tighten stopper bolts until hose stopper cannot slide. Do not overtighten bolts.

Loosen but do not remove bolts

Desired length of hose

See label

INCREASE

DECREASE

DO NOT OPEN THIS COVER!
Spring motor inside is under tension.

CAUTION
ATTACHING INCOMING AIR

For maximum leak-free performance, air inlet valve is made of solid brass. Brass is a soft metal and overtightening or rough handling can cause damage or breakage. Use care when working with air inlet valve. For a tight, leak-free connection, follow all instructions carefully.

Option 1
Wrap incoming hose end with thread sealing tape. AIR INLET VALVE CANNOT ROTATE, do not attempt to turn. To prevent rotation, hold air inlet valve with wrench to stabilize it while connecting air hose. Thread air hose into air inlet valve. Using second opposing wrench, tighten connection just until snug.

Option 2
Locate included 90° connector. Wrap threaded end with thread sealing tape. AIR INLET VALVE CANNOT ROTATE, do not attempt to turn. To prevent rotation, hold air inlet valve with wrench to stabilize it while connecting air hose. Thread 90° connector into air inlet valve. Using second opposing wrench, tighten connection just until snug. Next, wrap incoming hose end with thread sealing tape. Thread into swivel end of 90° connector. Using two opposing wrenches, tighten connection just until snug.

To ensure optimum performance and efficiency, check all connections for leaks. With air system pressurized, brush each connection with soapy water. Inspect closely. Air bubbles indicate leaking air. Tighten any leaking fittings.
Replac1ng Air Inlet Valve O-rings

The O-ring seals inside the air inlet valve assembly wear over time. If leaking around air inlet valve is observed, O-rings should be replaced. An O-ring replacement kit is shipped with this hose reel. Store in a safe place for future use.

1. Disconnect incoming air supply. Unscrew air inlet valve assembly (part 11) from axle (part 23) by fitting wrench onto hex portion of valve and turning counterclockwise.
2. Remove retaining ring (part 13) and slide air inlet valve swivel connector (part 12) off from swivel connector.
3. Remove worn O-rings from air inlet valve and replace with new parts. Reverse above procedure to re-assemble.

INCLUDED KIT

For easy installation and best seal, thinly coat o-rings with petroleum jelly.

Replacing Locking Pawl

Sometimes with heavy use, the locking pawl can begin to wear causing poor engagement with ratchet teeth. This can result in slipping or difficulty locking. It is easy to replace and can be done while hose reel is mounted.

1. Reel should be in fully retracted position ("home"), with hose stopper resting against guide roller collar. Be sure locking pawl is not engaged with ratchet teeth, and that there is enough clearance between pawl and teeth to allow free and easy removal and installation of locking pawl assembly.
2. Unhook return spring from anchor point. Loosen and remove lock nut. Remove old locking pawl assembly from support leg.
3. Insert new locking pawl assembly through support leg. Thread on lock nut and tighten until snug. Hook end of return spring through anchor point.
4. Verify function of locking pawl by pulling hose out and locking reel in position.
Replacing Hose
If hose becomes damaged, it may be necessary to replace it. In most cases, air hose can be replaced while reel is still mounted. Replace air hose with same diameter and length of original hose. Installing a longer or shorter hose will require Adjusting Recoil Tension (page 9).

1. Disconnect incoming air supply. Pull out about 1 foot of hose and lock reel in position. DO NOT UNLOCK HOSE REEL during this installation process. If reel becomes unlocked, it will spin at uncontrolled speed, possibly resulting in damage to internal spring.

2. Remove hose stopper. Pull hose backward through guide roller collar. Unwrap (counterclockwise, when viewed from air inlet side) until reel is empty.

3. Remove hose clamp. Save for re-installation. Disconnect hose end from air inlet assembly. Pull hose end back through slot in reel drum. Remove spring guard from old hose.

4. Place spring guard on new hose. Feed hose end through slot in reel drum. Wrap end of new hose with thread sealing tape. Connect to air inlet assembly. Re-install hose clamp. Make sure spring guard is aligned correctly in slot to protect hose from sharp metal edges.

5. Wrap hose around reel (clockwise) until 1 - 2 feet of hose remains.


1 YEAR REPLACEMENT GUARANTEE
This product is guaranteed for 1 YEAR. If it does not meet your expectations, we will replace it or provide replacement parts free of charge. To arrange for shipping of your replacement product or parts, or if you have any other questions, email us at support@tektontools.com or call us at 1-888-648-8665. Please have receipt or other proof of purchase available.

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