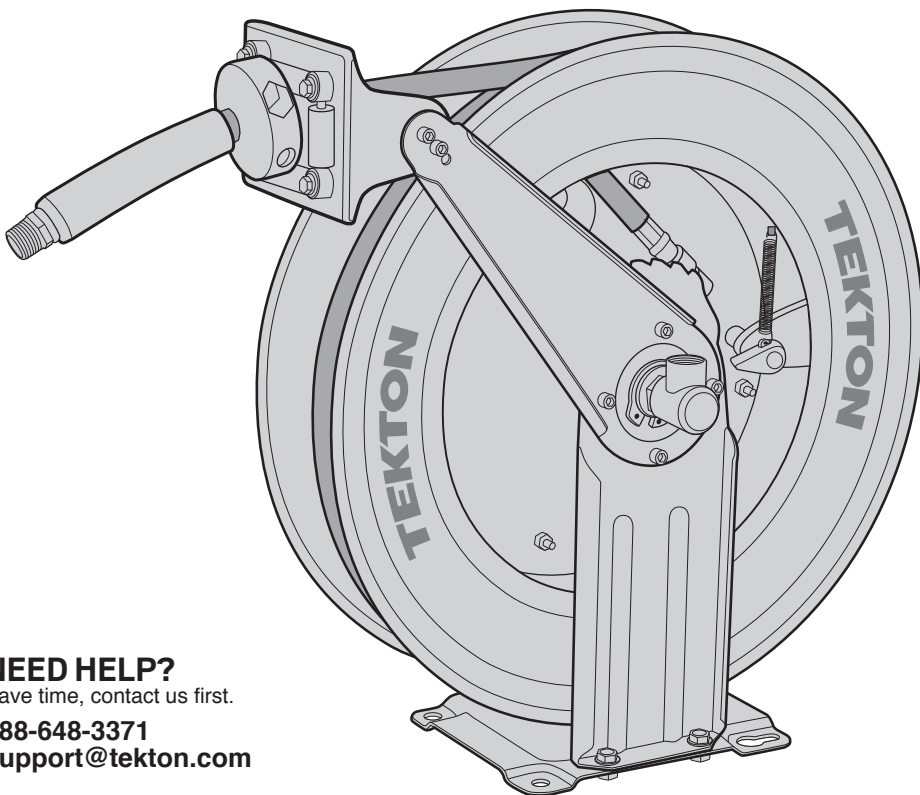


TEKTON®

Items
46875, 46878

AUTO REWIND AIR HOSE REEL OPERATOR'S MANUAL

STORE THIS MANUAL IN A SAFE
PLACE FOR FUTURE REFERENCE



NEED HELP?

Save time, contact us first.

888-648-3371
support@tekton.com



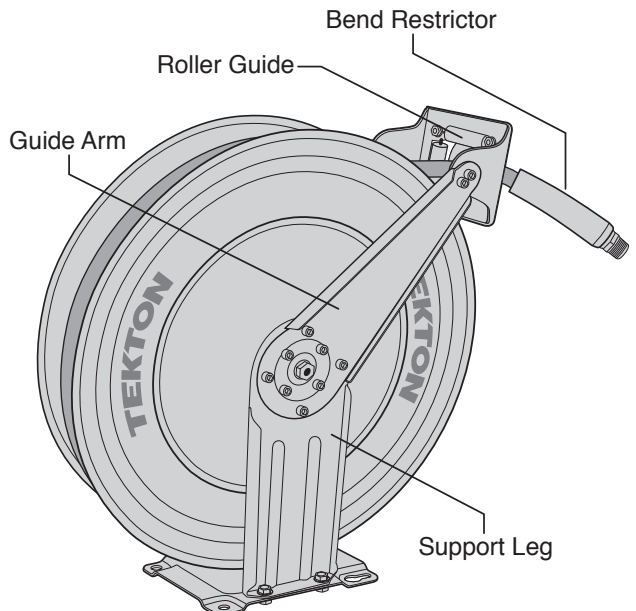
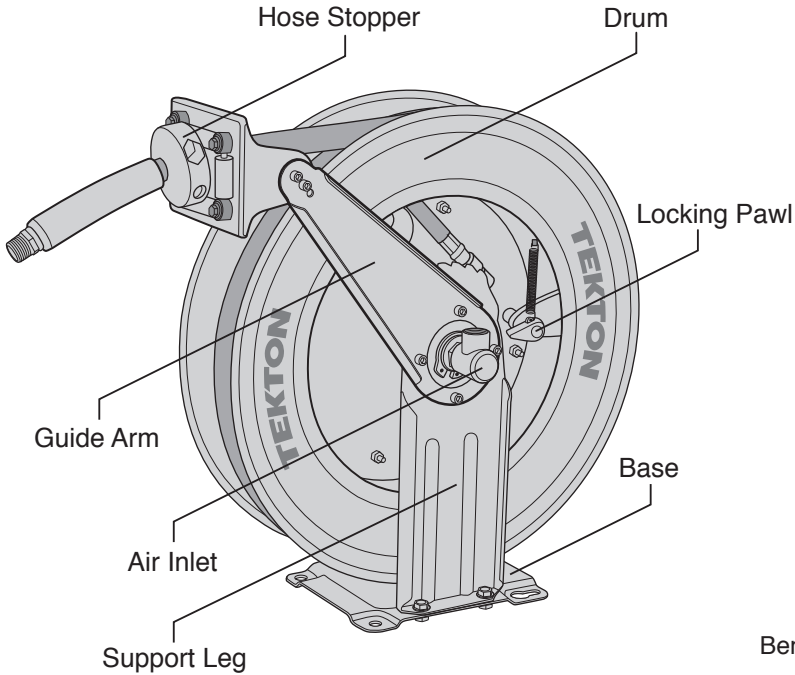
WARNING: BEFORE USE, READ AND UNDERSTAND OPERATOR'S MANUAL. Wear impact-resistant protective eyewear in work area at all times. This reel must only be mounted to a load bearing structural object such as a stud, rafter, or floor which can support the combined weight of reel and hose and can withstand pulling forces on hose when in use. Air hose is designed for use on regulated air compressor systems delivering less than 250 PSI. DO NOT EXCEED 250 PSI. Be sure to restrain hose as it rewinds—do not allow hose to rewind at full speed. Never exceed air pressure rating for any air tool. Read and follow all guidelines specified in the air tool owner's manual. 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.

Model # 46875

- Air Hose Size: 3/8" x 50'
- Reel Air Inlet (F): 1/4" NPT
- Air Hose Outlet (M): 1/4" NPT
- Max Working Pressure: 250 PSI
- Max Burst Pressure: 1100 PSI
- Maximum Air Flow: 25 CFM

Model # 46878

- Air Hose Size: 1/2" x 50'
- Reel Air Inlet (F): 1/2" NPT
- Air Hose Outlet (M): 1/2" NPT
- Max Working Pressure: 250 PSI
- Max Burst Pressure: 1200 PSI
- Maximum Air Flow: 35 CFM



For complete parts diagram, see
page 6-7, centerfold of book

OPERATING AIR HOSE REEL

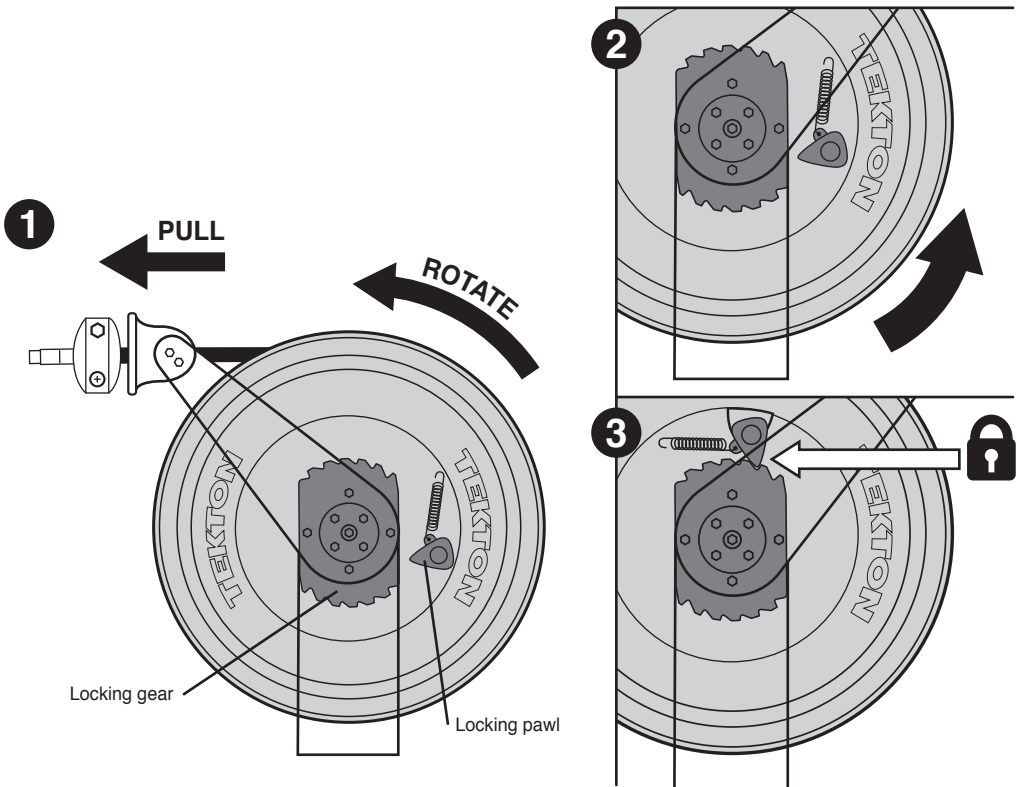


BEFORE MOUNTING AIR HOSE REEL, please take a few minutes to understand how it works. Practice operating it a few times, pulling hose out and rewinding it back onto the drum. This will familiarize you with basic functions and can help you understand where best to mount the air hose reel.

This air hose reel automatically rewinds air hose using an internal recoil spring. When hose is pulled from reel, it is pulled against the tension of the recoil spring. The more hose is pulled out, the greater the tension built up in the recoil spring. **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 roller guides.

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 roller guides inside collar are rolling smoothly.
2. As reel drum rotates, the locking gear and pawl make a short series of six clicking sounds each 1/2 revolution. In one revolution, there are a total of twelve locking positions.
3. **TO LOCK REEL IN POSITION**, slow down pulling motion as desired length of hose is reached. While pulling slowly, listen for each short series of clicking sounds. As the pawl is clicking, stop pulling hose and decrease tension. The drum should lock in position.

TO REWIND 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 drum until hose stopper rests against guide collar.



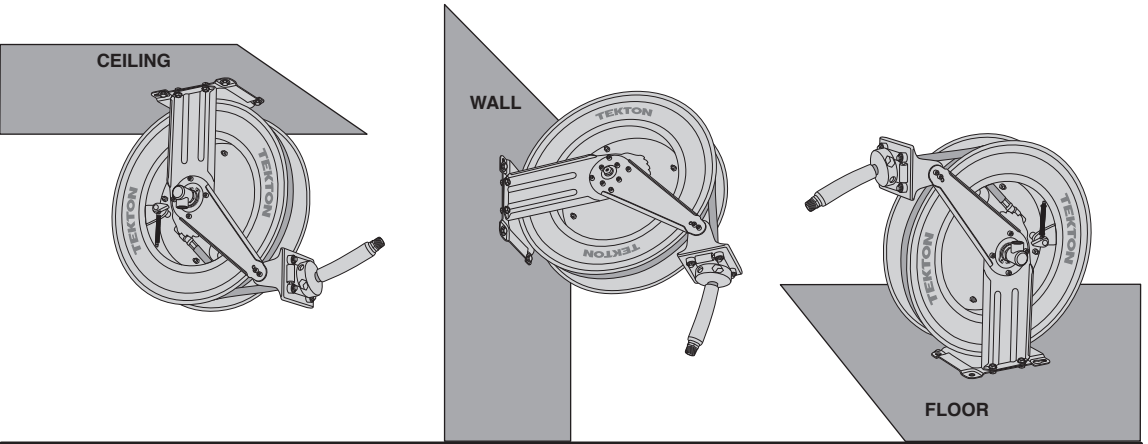
MOUNTING HOSE REEL

Choosing a Location

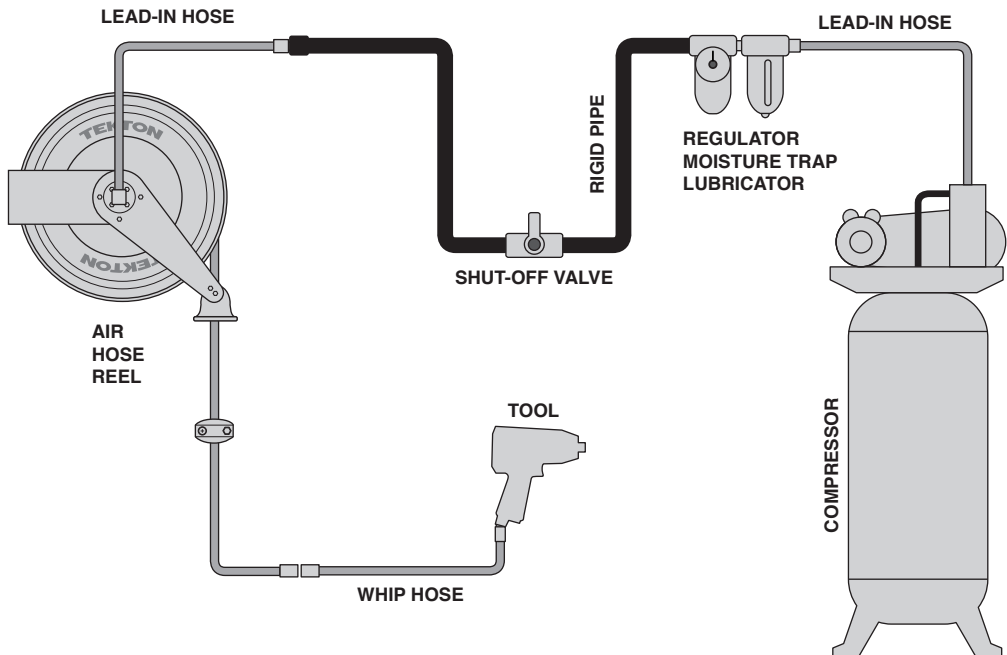


DO NOT MOUNT HOSE REEL OUTDOORS OR ON VEHICLE. This hose reel is not designed to resist constant exposure to weather or continuous vibration. Mount under cover in an area not directly exposed to weather.

Reel can be mounted on the floor, ceiling, or wall, wherever it is convenient. **When choosing a location, remember that the must be mounted 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.



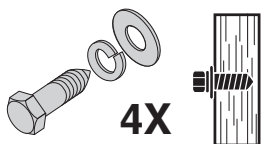
TYPICAL COMPRESSED AIR SYSTEM



TYPICAL FASTENERS AND HARDWARE COMBINATIONS

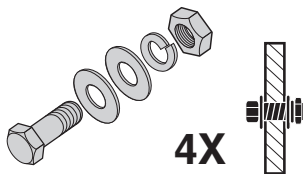
WOOD

Lag bolt, lock washer, and flat washer



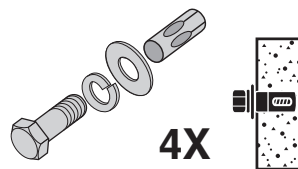
METAL

Machine bolt, two flat washers, lock washer, and nut

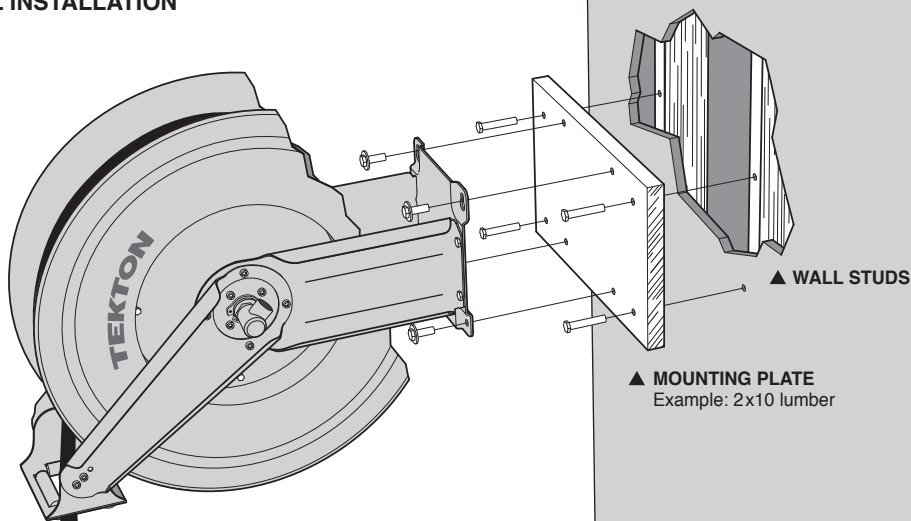


MASONRY

Machine bolt, lock washer, flat washer, and anchor

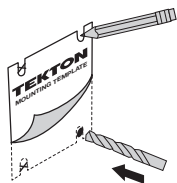


TYPICAL INSTALLATION



INSTALLATION

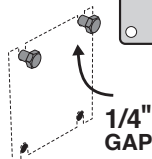
1.



Use included mounting template to mark and drill the hole locations.

2.

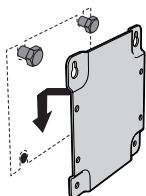
KEYHOLE SLOTS



1/4" GAP

Temporarily install the upper fasteners leaving a 1/4" gap to accommodate thickness of base.

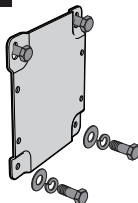
3.



Guide base plate key holes over the preinstalled fasteners.

⚠ Keep hose reel supported at all times until all fasteners are tight.

4.



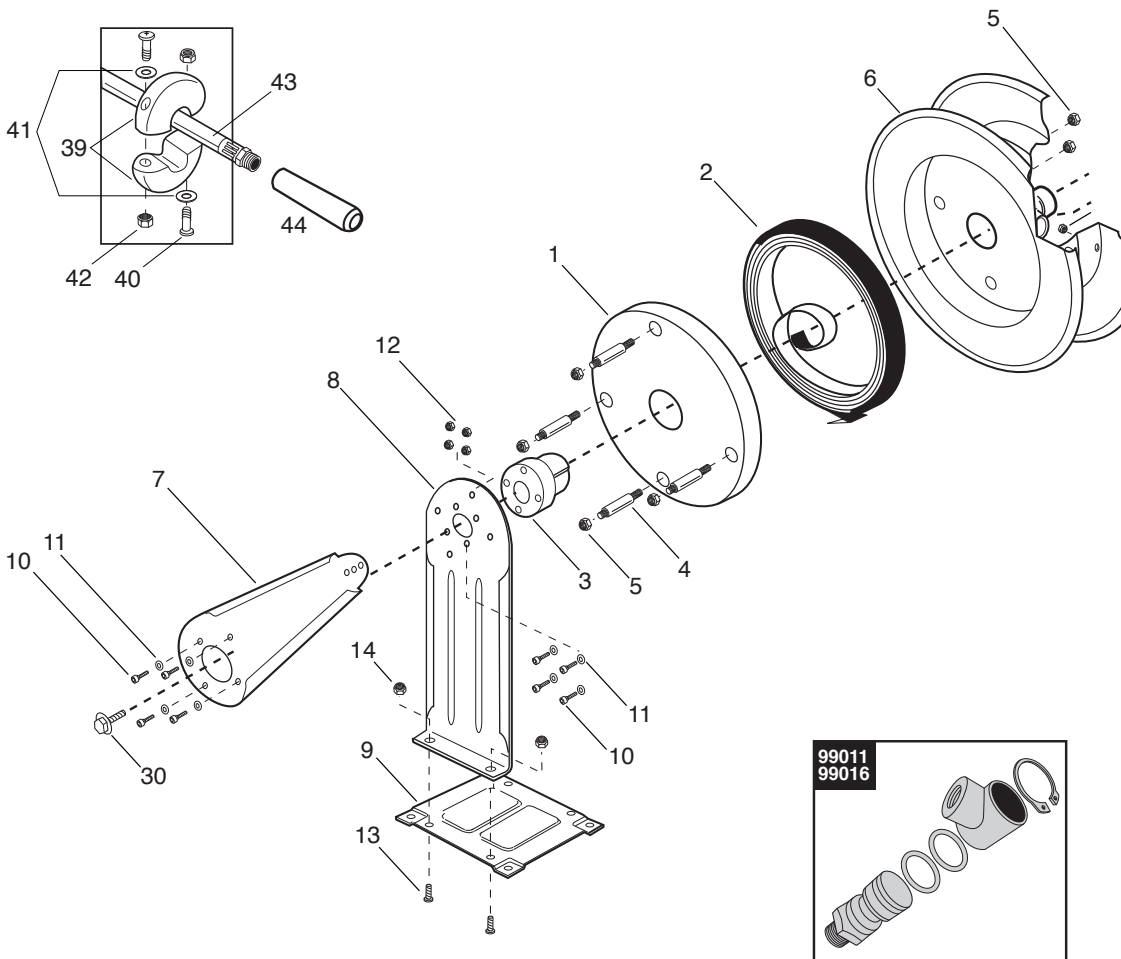
Install the lower fasteners and tighten.

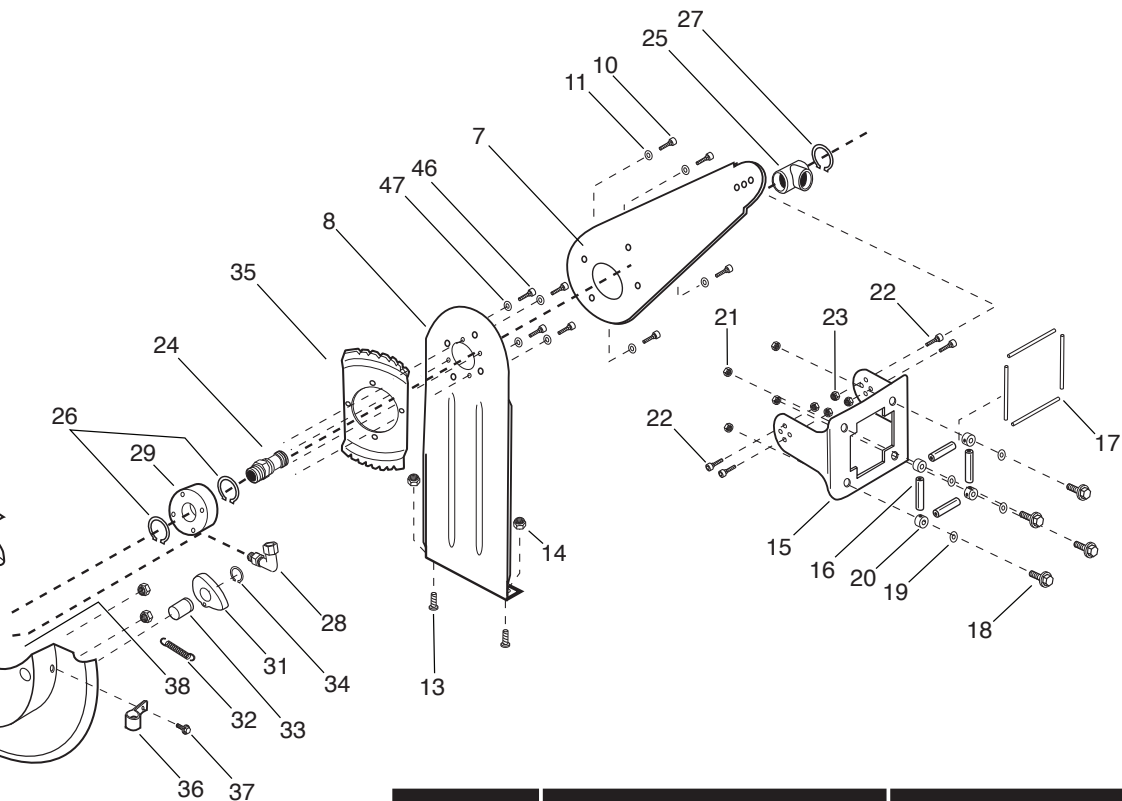
Remove the upper fasteners, and reinstall with appropriate washers and tighten all fasteners.

⚠ Keep hose reel supported at all times until all fasteners are tight.

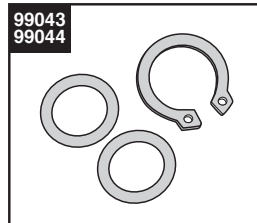
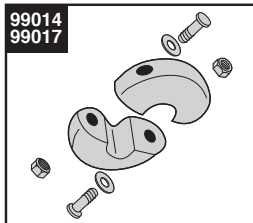
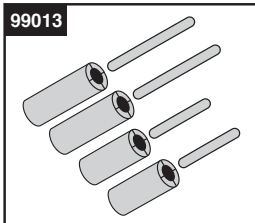
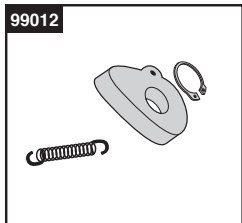
PARTS LIST

- | | | |
|------------------------|--------------------------|-----------------------|
| 1. Recoil Spring Cover | 16. Rollers (4) | 31. Locking Pawl |
| 2. Recoil Spring | 17. Roller Pins (4) | 32. Tension Spring |
| 3. Recoil Spring Hub | 18. Bolt (4) | 33. Locking Pawl Axle |
| 4. Spring Cover Bolt | 19. Washer (4) | 34. Retaining Ring |
| 5. Nut (8) | 20. Rubber Bushing (4) | 35. Locking Gear |
| 6. Drum | 21. Nut (4) | 36. Hose Clamp |
| 7. Guide Arms (2) | 22. Bolt (4) | 37. Bolt |
| 8. Support Legs (2) | 23. Nut (4) | 38. Nut |
| 9. Base | 24. Air Inlet Axle | 39. Hose Stopper |
| 10. Bolt (16) | 25. Air Inlet | 40. Bolt (2) |
| 11. Washer (16) | 26. Retaining Ring (2) | 41. Washer (2) |
| 12. Nut (4) | 27. Retaining Ring | 42. Nut (2) |
| 13. Bolt (4) | 28. Air Outlet (To Hose) | 43. Air Hose |
| 14. Nut (4) | 29. Main Axle Bearing | 44. Bend Restrictor |
| 15. Guide Collar | 30. Bolt | |





ASSEMBLY	DESCRIPTION	FITS THIS HOSE REEL	
		46845	46848
99011	3/8" Air Inlet Assembly	•	
99012	Locking Pawl Assembly	•	•
99013	Guide Rollers and Pins	•	•
99014	3/8" Hose Stopper Assembly	•	
99015	Main Spring	•	•
99016	1/2" Air Inlet Assembly		•
99017	1/2" Hose Stopper Assembly		•
99043	3/8" O-Ring Kit	•	
99044	1/2" O-Ring Kit		•

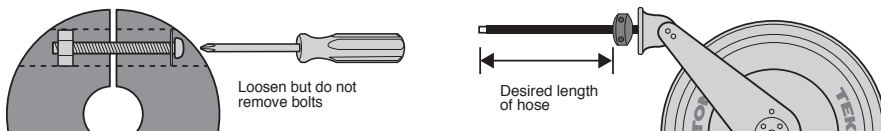


MAKING ADJUSTMENTS

Adjusting Hose Stopper Position

The hose stopper determines the length of hose that remains outside of reel. To adjust stopper position:

1. First pull hose out past the desired position of hose stopper. Lock drum in position.
2. Loosen (but do not remove) both stopper bolts just enough so stopper can slide along hose.
3. Move stopper to desired position. Tighten stopper bolts until hose stopper cannot slide. Do not overtighten bolts.



Adjusting the Guide Arm

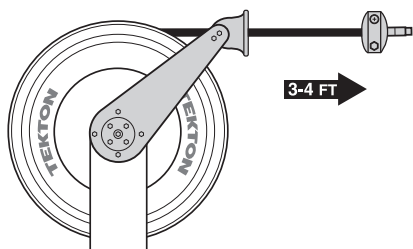


TWO PEOPLE ARE RECOMMENDED FOR THIS PROCESS. During the course of this adjustment, the locking gear will disengage and become ineffective. Ask a second person to hold the drum to prevent it from spinning while removing and reinstalling the guide arm bolts.

1. Pull out 3-4 feet of hose and secure the hose reel drum.



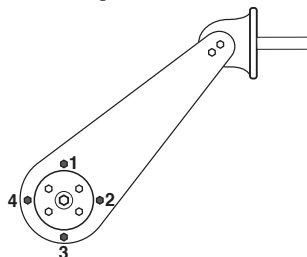
Locking gear will disengage when bolts are removed! Secure drum before removing bolts.



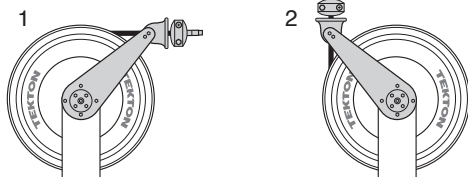
2. Remove the bolts connecting the guide arms to the support legs.



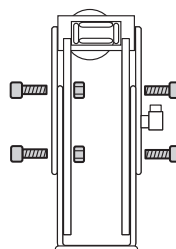
Locking gear will disengage when bolts are removed! Secure drum before removing bolts.



3. Rotate guide arm to one of two positions. Replace bolts and tighten.

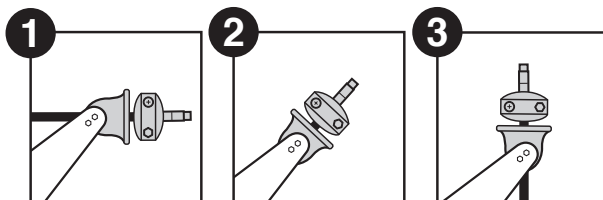
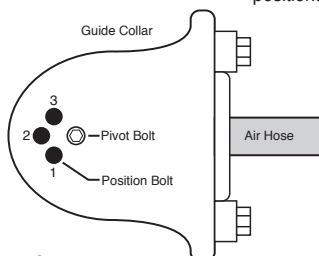


Reinstall bolts as shown.



Adjusting the Guide Collar

Remove position bolts and nuts. Leave pivot bolt in place. Adjust to one of three desired positions. Reinstall fasteners and tighten.

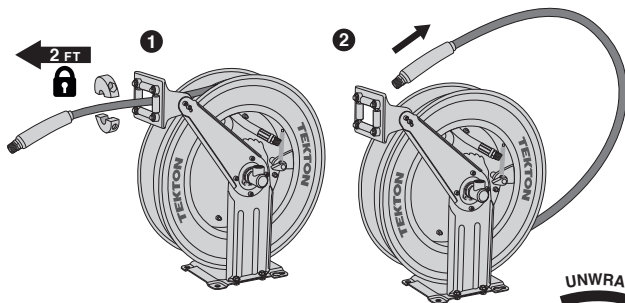


Adjusting Recoil Tension

Hose reel is shipped with spring tension properly set. Be aware that spring tension is calibrated to rewind entire length of air hose. If you are working with only a portion of total air hose length or if you feel hose rewinds too quickly or too slowly, you can easily adjust the tension of the main recoil spring.

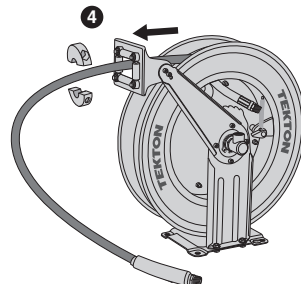
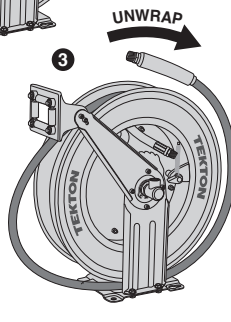
⚠ DO NOT SET TOO MUCH TENSION IN SPRING. Damage to spring could result.

Decreasing Recoil Tension



3. Unwrap one revolution of hose from the reel.
4. Push the air hose through the roller guide and reinstall hose stopper.

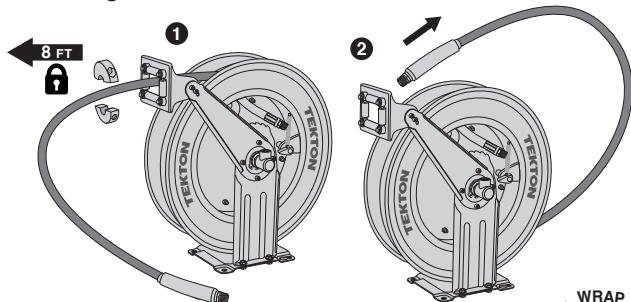
⚠ Keep drum locked at all times.



1. Pull out 2 feet of air hose and lock drum. Remove air hose stopper.
2. Pull air hose back through the roller guide.

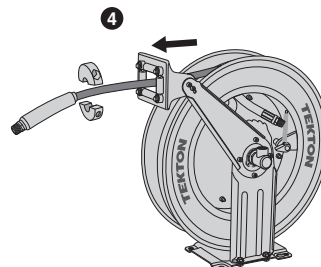
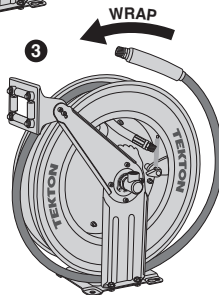
⚠ Keep drum locked at all times.

Increasing Recoil Tension



3. Wrap one revolution of hose onto the reel.
4. Push the air hose through the roller guide and reinstall hose stopper.

⚠ Keep drum locked at all times.



1. Pull out 8 feet of air hose and lock drum. Remove air hose stopper.
2. Pull air hose back through the roller guide.

⚠ Keep drum locked at all times.

ATTACHING INCOMING AIR

For consistent leak-free performance, air inlet is made of solid brass. Brass is a soft metal and extra care should be taken to avoid cross threading. For a tight, leak-free connection, follow all instructions carefully.

Option 1

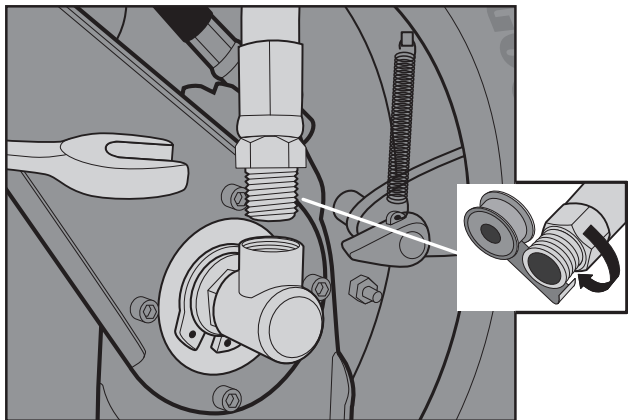
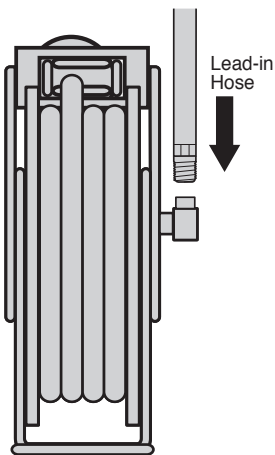
Wrap incoming air hose end with thread sealing tape. Thread air hose end into air inlet, taking care not to cross thread. Tighten connection with wrench. Do not over-tighten.

Option 2

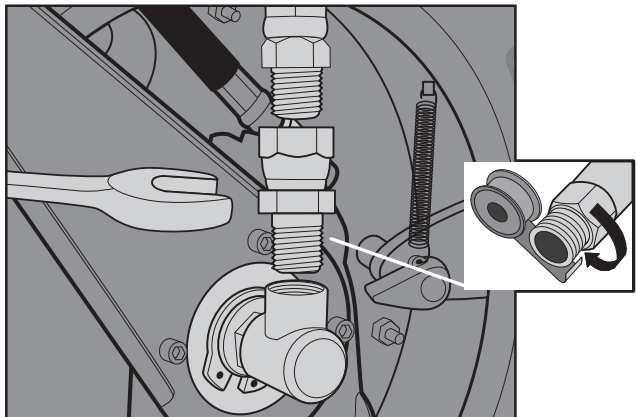
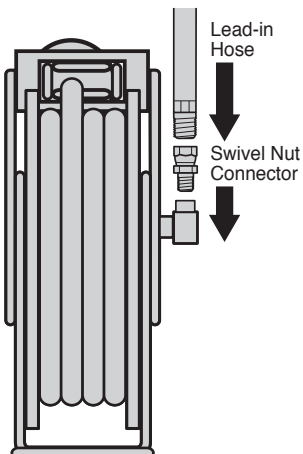
Locate included swivel nut connector. Wrap threaded end with thread sealing tape. Thread into air inlet, taking care not to cross thread. Tighten connection with wrench. Do not over-tighten. Next, wrap end of incoming air hose with thread sealing tape. Thread air hose into swivel end of connector, by turning swivel collar. Tighten connection with wrench. Do not over-tighten.

To ensure optimum performance, 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.

OPTION 1



OPTION 2



Replacing Air Inlet O-rings

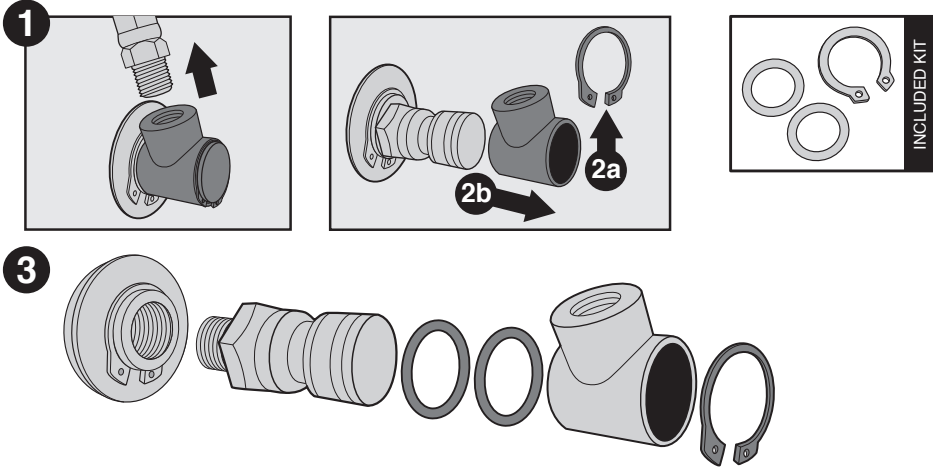
The O-ring seals inside the air inlet assembly wear over time. If leaking around air inlet is observed, O-rings should be replaced. An O-ring replacement kit is shipped with this hose reel. Store in a safe place for future use.

For complete parts diagram, see page 6-7, centerfold of book

1. Relieve air pressure and disconnect lead-in hose.
2. (2a) Remove retaining ring and (2b) slide swivel connector off from air inlet axle.
3. Remove worn O-rings from air inlet axle and replace with new parts. Reassemble in the order in which parts were removed and verify proper seal with soapy water.



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

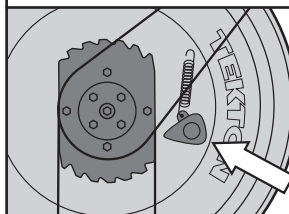
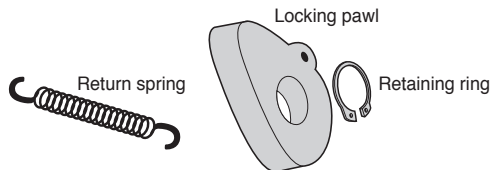
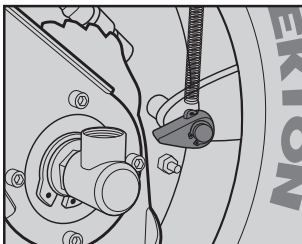


Replacing Locking Pawl

Sometimes with heavy use, the locking pawl can begin to wear causing poor engagement with locking gear 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 locking gear teeth, and that there is enough clearance between pawl and teeth to allow free and easy removal and installation of locking pawl.
2. Unhook return spring from anchor point. Remove retaining ring with snap ring pliers. Remove old locking pawl and spring from drum.
3. Attach new spring to locking pawl. Slide new locking pawl onto axle and secure with retaining ring. Hook return spring from pawl to anchor point.
4. Verify function of locking pawl by pulling hose out and locking reel in position.

Locking pawl



Install locking pawl pointed toward center of reel

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).**

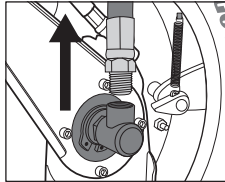
1. Shut off incoming air supply and disconnect the lead-in hose from the reel.
2. Pull air hose out of the reel until one wrap remains on the drum. Lock the drum in position. Before proceeding, be sure drum is locked at a position that allows you to access the air hose clamp and air hose connection to hub outlet.



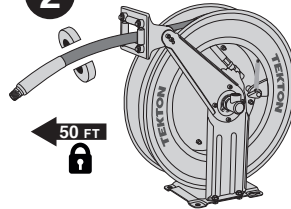
BE AWARE THAT THE RECOIL SPRING IS UNDER MAXIMUM TENSION WITH DRUM IN THIS POSITION. BE CAREFUL NOT TO ACCIDENTALLY DISENGAGE LOCKING PAWL. DRUM WILL SPIN WITH UNCONTROLLED SPEED.

3. Remove the air hose clamp from the drum and disconnect air hose end from the hub outlet. Remove the air hose from the reel. Save the spring guard and hose clamp for the new hose.
4. Feed the new hose through the roller guide, reinstall the spring guard, and connect the hose end to the reel hub outlet. Do not use sealing tape on threads.
5. Reinstall the hose clamp and air hose stopper. Pull air hose to disengage the locking pawl and rewind the air hose. Reconnect lead-in hose and turn on incoming air supply. Check all connections to verify there are no leaks.

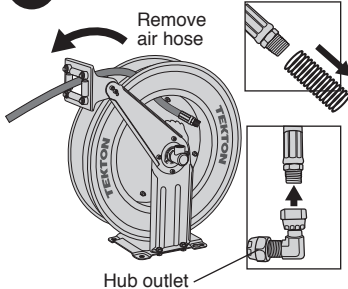
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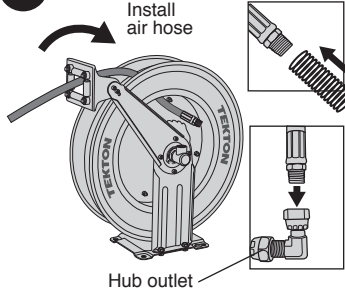
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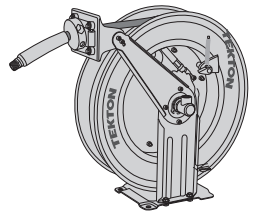
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ALWAYS GUARANTEED.

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