



MODEL T21540 HOSE REEL INSTRUCTIONS

⚠️ WARNING

To reduce the risk of injury when using this tool:

- Make sure the incoming air pressure does not exceed the maximum rating of 250 PSI. Otherwise the fittings could crack or explode.
- Protect your eyes by wearing safety glasses or a face shield when assembling, mounting and using the hose reel.
- Pressurized air may cause injury to exposed body parts. Never expose any part of your body to pressurized air.
- Make sure the hose reel is firmly mounted to a stable surface before pressurizing.

Specifications

Max. Incoming Air Pressure 250 PSI
 Max. Hose Length on Reel for T21540 50 ft.
 Air Fitting Size 3/8" NPT

Inventory

Use the list below and **Figure 1** to inventory the contents of the shipping box.

Description	Qty
A. Hose Reel Assembly.....	1
B. Connector Hose 3/8" NPT x 42" Long.....	1

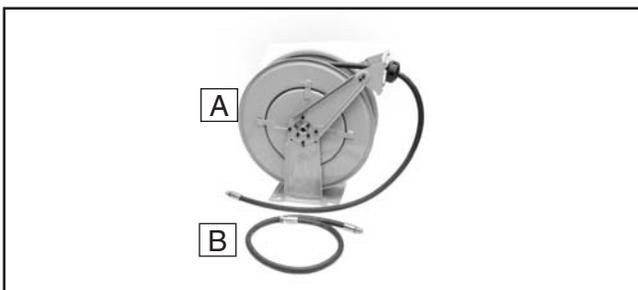


Figure 1. Model T21540 inventory.

Assembly

Apply Teflon pipe tape or thread sealant to the male end of the connector hose, then thread it into the swivel joint (see **Figure 2**).

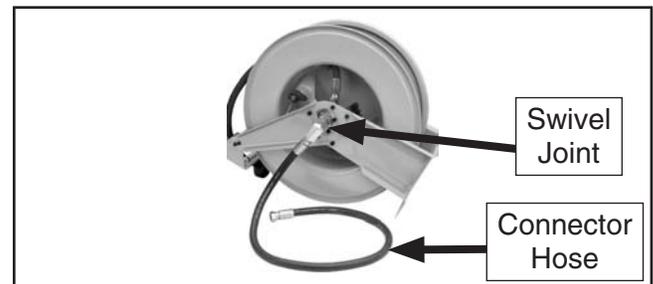


Figure 2. Connector hose threaded into swivel joint.

Mounting

1. Choose a suitable location for mounting the hose reel to a wall, floor, ceiling, etc.
 —If you plan to install the hose reel on a ceiling, place it 10 feet above the floor.
2. Check that the hose guide roller bracket position (see **Figure 3**) is suitable for the chosen mounting position.

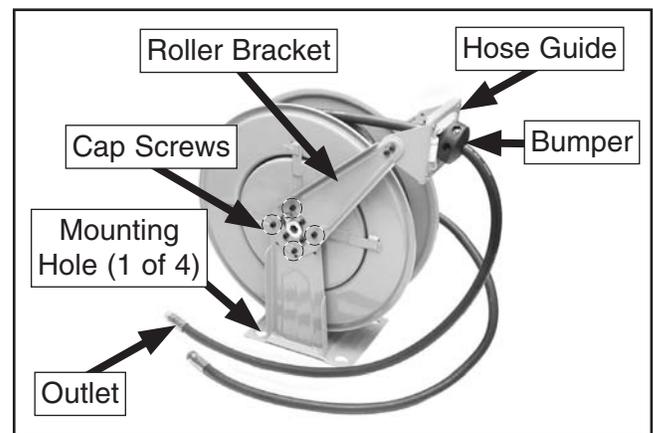


Figure 3. Roller bracket and main components.

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—If the roller bracket or hose guide roller position is not in the best position, refer to "Changing Roller Bracket Position" or "Changing Hose Guide Position" **on this page**.

3. Mark the location of the mounting holes on the reel base (**Figure 3**) in the chosen location, then secure with $\frac{3}{4}$ " hardware.
4. Apply Teflon pipe tape or thread sealant to the incoming air fitting and attach it to the connector hose (see **Figure 2**).
5. Apply Teflon pipe tape or thread sealant to the outlet fitting threads, then attach the tool or nozzle.
6. Turn the air pressure **ON**, then use soapy water to test for leaks. If any are found, turn the air pressure **OFF**, relieve the pressure from the hose, then repair the leaks before putting the hose reel into operation.
7. To adjust the hose bumper, pull some hose out until it clicks in place, loosen the screws on the bumper, slide it close to the hose guide, then tighten the screws.

Changing Roller Bracket Position

1. To change the hose guide roller bracket position, pull out some hose until you hear a "click" to lock it.
2. Remove the four cap screws on each roller bracket, (see **Figure 3**) rotate both brackets together to the alternate position, then re-install the cap screws.

Changing Hose Guide Position

1. Remove the two cap screws and lock nuts that attach the guide to the roller brackets shown in **Figure 4**.



Figure 4. Location of screws and nuts for adjusting hose guide angle.

2. Rotate the hose guide to the alternate position, align the mounting holes, then secure with the cap screws and lock washers removed in **Step 1**.

Operation

1. Slowly pull the hose out of the reel assembly until you hear a "click."
2. To lock the hose, let it retract after you hear the reel click.
3. To unlock the hose, slowly pull the hose out until you hear no more clicking, then, while holding onto the hose, let it draw back until the bumper stops against the hose guide.

NOTICE

To avoid damaging the hose reel, always hold onto the hose while it is rewinding.



Adjusting Spring Tension

1. Pull about 6 feet of the hose out and lock it.
2. Remove the bumper from the hose, then thread the hose back toward the reel and out of the hose guide.
3. To increase tension on the hose, wrap it one full turn around the drum; to decrease tension, unwrap the hose one full rotation.
4. Re-insert the hose through the guide, then re-install the bumper on the hose.
5. Unlock the hose and check the tension. Adjust the position of the bumper if needed.
3. Using a 22mm wrench, unthread the hose from the internal connection (see **Figure 5**), then remove the hose through the drum opening.
4. Feed the new hose through the hose guide and the opening in the drum, then thread the hose onto the internal connection.
5. Re-install the bumper on the hose where it was previously, release the hose and slowly allow it to wind back onto the reel.
6. Re-adjust spring tension as needed (refer to "Adjusting Spring Tension.")

Replacing Hose

1. DISCONNECT THE AIR SUPPLY FROM THE HOSE REEL!
2. Unwind the hose completely, lock it in place, making sure it will not rotate backward, then remove the bumper.

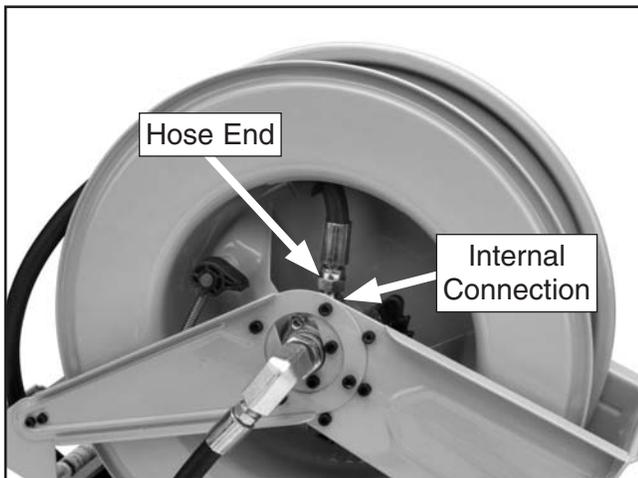
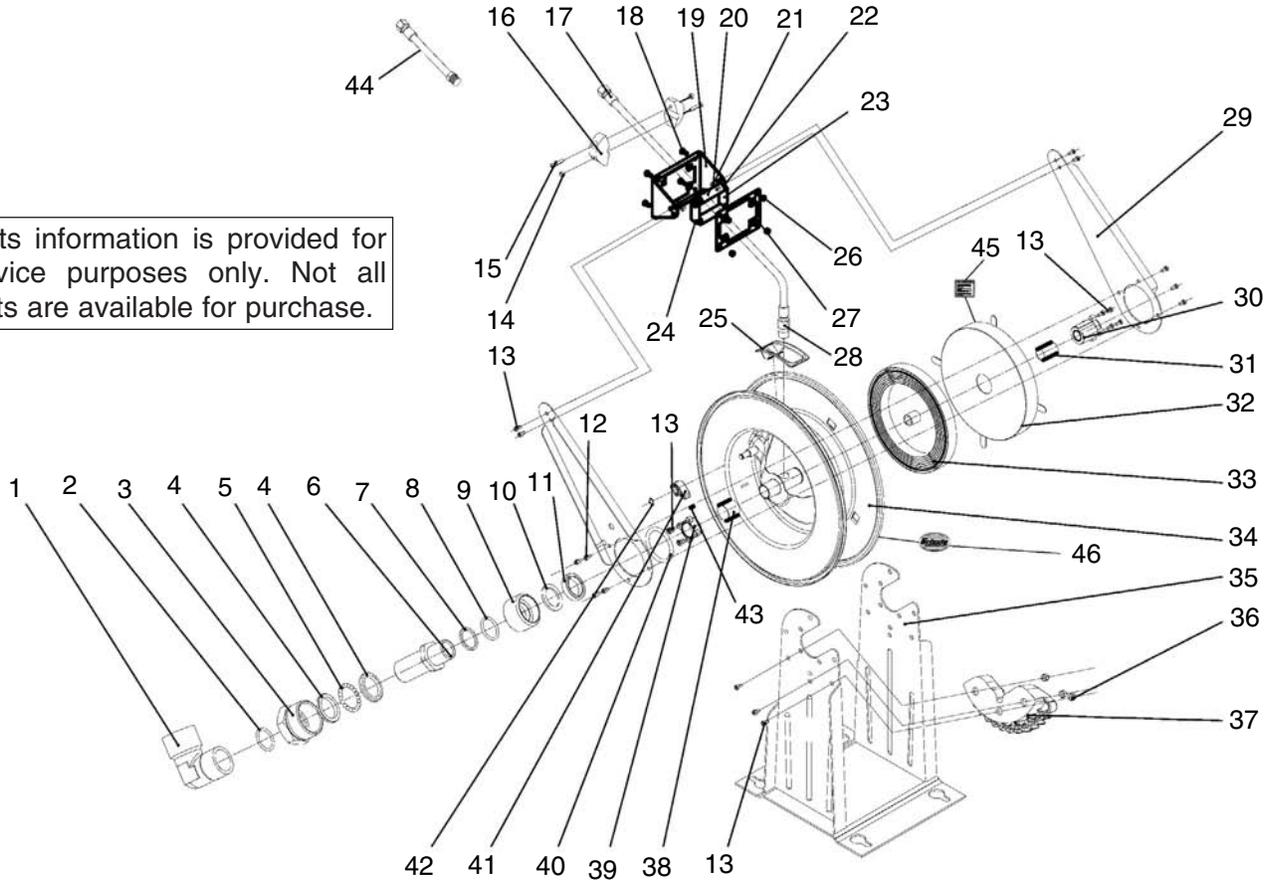


Figure 5. Location to remove hose from inner hose connection.



Model T21540 Breakdown

Parts information is provided for service purposes only. Not all parts are available for purchase.



REF	PART #	DESCRIPTION
1	PT21540001	ADAPTER
2	PT21540002	O-RING 17 X 1.8
3	PT21540003	VALVE NUT
4	PT21540004	VALVE WASHER 23 X 17.3 X 3
5	PT21540005	STEEL BALL 3MM
6	PT21540006	VALVE AXLE
7	PT21540007	PLASTIC WASHER 15.2 X 18 X 1.5
8	PT21540008	O-RING 15 X 1.8
9	PT21540009	VALVE BODY
10	PT21540010	VALVE WASHER 15. X 21 X 1.5
11	PT21540011	GASKET 15 X 21 X 4
12	PCAP68M	CAP SCREW M6-1 X 8
13	PCAP26M	CAP SCREW M6-1 X 12
14	PN01M	HEX NUT M6-1
15	PT21540015	PHLP HD SCR M6-1 X 24
16	PT21540016	RUBBER BUMPER
17	PT21540017	HOSE 3/8 IN NPT 50 FT
18	PS09M	PHLP HD SCR M5-.8 X 10
19	PT21540019	GUIDE PLATE
20	PLN03M	LOCK NUT M6-1
21	PT21540021	ROLLER 68 X 18MM
22	PT21540022	HORIZONTAL ROLLER AXLE
23	PT21540023	ROLLER 35 X 18MM

REF	PART #	DESCRIPTION
24	PT21540024	VERTICAL ROLLER AXLE
25	PT21540025	HOSE PROTECTION PLATE
26	PN06M	HEX NUT M5-.8
27	PT21540027	GUIDE SUB-PLATE
28	PT21540028	HOSE ADAPTER 3/8 IN NPT
29	PT21540029	BRACKET
30	PT21540030	SPRING CORE
31	PT21540031	CORE SLEEVE A 24 X 20 X 30
32	PT21540032	SPRING COVER
33	PT21540033	FLAT COIL SPRING
34	PT21540034	DRUM
35	PT21540035	BASE
36	PN01M	HEX NUT M6-1
37	PT21540037	LOCKING RING
38	PT21540038	CORE SLEEVE B 36 X 32 X 20
39	PT21540039	BEARING BASE
40	PT21540040	O-RING 26.3 X 1.9
41	PT21540041	CAM LOCK
42	PT21540042	LOCK WASHER 11MM
43	PT21540043	LOCKING SPRING
44	PT21540044	CONNECTOR HOSE 3/8 NPT X 42 IN
45	PT21540045	WARNING LABEL
46	PT21540046	MODEL # LABEL

If you need help with your new hose reel, call our Tech Support at: (570) 546-9663.

