



OWNER'S MANUAL JHR-50 Hose Reel



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M-426235 12/99

Important Information

**1-YEAR
LIMITED WARRANTY**

**JET offers a one-year limited
warranty on this product**

REPLACEMENT PARTS

Replacement parts for this tool are available directly from JET Equipment & Tools. To place an order, call 1-800-274-6848. Please have the following information ready:

1. Visa, MasterCard, or Discover Card number
2. Expiration date
3. Part number listed within this manual
4. Shipping address other than a Post Office box.

REPLACEMENT PART WARRANTY

JET Equipment & Tools makes every effort to assure that parts meet high quality and durability standards and warrants to the original retail consumer/purchaser of our parts that each such part(s) to be free from defects in materials and workmanship for a period of thirty (30) days from the date of purchase.

PROOF OF PURCHASE

Please retain your dated sales receipt as proof of purchase to validate the warranty period.

LIMITED TOOL AND EQUIPMENT WARRANTY

JET makes every effort to assure that its products meet high quality and durability standards and warrants to the original retail consumer/purchaser of our products that each product be free from defects in materials and workmanship as follows: **1 YEAR LIMITED WARRANTY ON THIS JET PRODUCT.** Warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities or to a lack of maintenance. **JET LIMITS ALL IMPLIED WARRANTIES TO THE PERIOD SPECIFIED ABOVE FROM THE DATE THE PRODUCT WAS PURCHASED AT RETAIL. EXCEPT AS STATED HEREIN, ANY IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS ARE EXCLUDED. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG THE IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. JET SHALL IN NO EVENT BE LIABLE FOR DEATH, INJURIES TO PERSONS OR PROPERTY OR FOR INCIDENTAL, CONTINGENT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING FROM THE USE OF OUR PRODUCTS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.** To take advantage of this warranty, the product or part must be returned for examination, postage prepaid, to an authorized service station designated by our Auburn office. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection discloses a defect, JET will either repair or replace the product or refund the purchase price, if we cannot readily and quickly provide a repair or replacement, if you are willing to accept such refund. JET will return repaired product or replacement at JET's expense, but if it is determined there is no defect, or that the defect resulted from causes not within the scope of JET's warranty, then the user must bear the cost of storing and returning the product. This warranty gives you specific legal rights, and you have other rights, which vary, from state to state.

Description

JET Hose Reels are spring driven, auto-rewind reels built using the highest quality, heavy gauge materials.

Installation

- Standard reels should not be installed above 15 feet from the floor.
1. You will need a set of appropriate mounting hardware (four 7/16" M12 bolts, washers and nuts or four masonry bolts/ nuts or similar depending on installation) per reel. The reel mounting base has two 1/2" (12.7mm) wide slots for easy installation, and two 1/2" drilled holes. **Mounting Pattern:** 4" x 5" or 3" x 5" depending on specific model ordered.
 2. Reel is supplied with guide arm in floor/ceiling mount position as shown in Fig. 1. If required, see "Typical Mounting Positions", Fig. 2, and adjust guide arm accordingly:
 - a) Pull out some hose and allow reel to latch.
 - b) Remove the four bolts holding guide arm to support post, Fig. 1
 - c) Reposition guide arm and replace the four bolts.
 3. Loosely fit two pieces of mounting hardware to ceiling/wall/floor so reel can be slid into position. Fit reel. Secure other end and tighten all bolts and nuts.
 4. Flush some air or water through the system before connecting inlet hose to the source.
 5. Apply thread sealant to inlet hose threads and connect one end to reel inlet. Connect other end to supply line.

Note: a swivel type connector is required on supply line. **A FLEXIBLE INLET HOSE MUST BE USED OR WARRANTY IS VOID.**

6. Flush some product through the system and reel before connecting outlet nozzle, gun or tool.
7. Apply thread sealant to outlet hose fitting. Connect outlet nozzle, gun or tool. Check system for leaks, and hose reel for correct operation (see "Operation").
8. If hose stopper adjustment is required to allow easy reach of nozzle, gun or tool, latch the hose at approximately the required length, loosen stopper bolts, move stopper to desired position and tighten stopper bolts. Unlatch the hose.

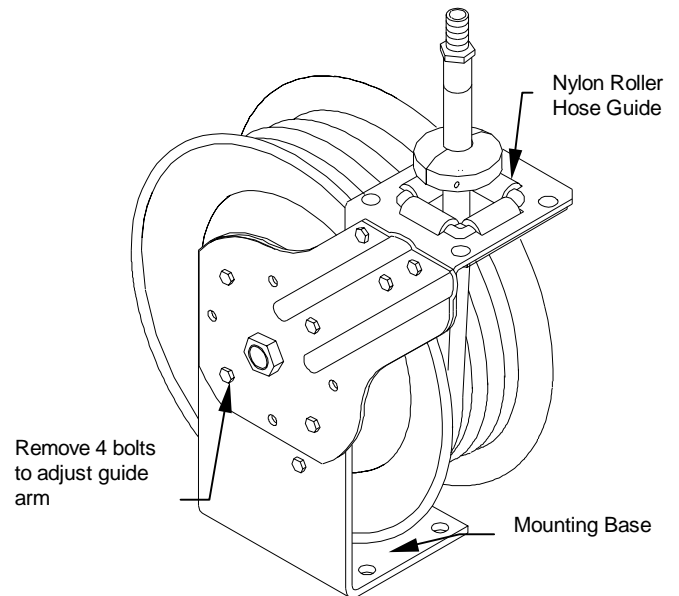


Fig. 1

Operation

1. Check reel for correct operation by slowly pulling out the hose. A "clicking" noise will be heard after each half revolution of the drum.
2. **To LATCH** the reel, pull out the hose and allow it to retract after the first, second or third "click" is heard.
3. **To UNLATCH**, slowly pull the hose until the "clicking" noise stops, then allow the hose to retract. The hose stopper should rest against the hose guide.

⚠ WARNING DO NOT allow hose to retract without restraining recoil speed. Never let go of the hose when rewinding.

4. Periodically check the hose for wear, and the swivel for possible leaks.

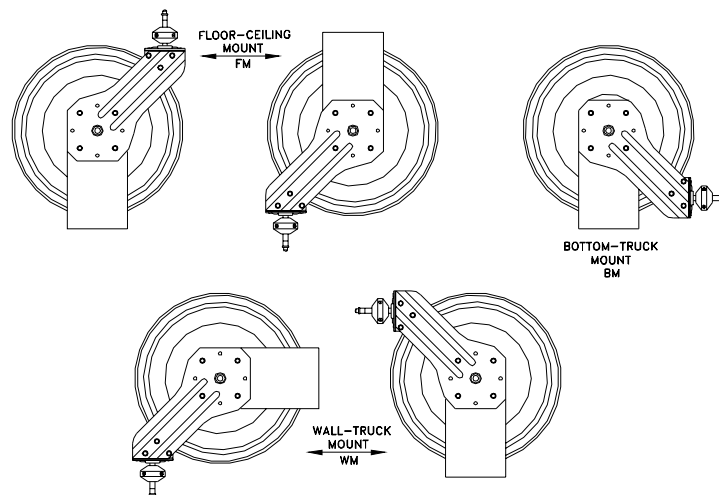


Fig. 2

Trouble Shooting Guide

| TROUBLE | CAUSE | REMEDY |
|--|---|---|
| HOSE WILL NOT FULLY RETRACT | <ul style="list-style-type: none"> A. Outlet nozzle, gun or tool is too heavy. B. Spring is fatigued. C. Replacement hose is too long. | <ul style="list-style-type: none"> A. Add spring tension. See "Spring Tension Adjustment". B. Add spring tension. See "Spring Tension Adjustment". Replace spring canister if required. C. Call local Distributor for correct specified hose length. |
| HOSE WILL NOT RETRACT AT ALL | Spring has lost all tension or has possibly broken. | <ul style="list-style-type: none"> A. Reinstall spring tension B. Replace spring canister. See "Spring Canister Replacement". |
| REEL WILL NOT LATCH | <ul style="list-style-type: none"> A. Incorrect operation. B. Dog spring (12) or locking cam (11) is broken or worn. | <ul style="list-style-type: none"> A. Reel latches on first, second, third or forth "click". After forth "click" it automatically rewinds. B. Replace dog spring or locking cam. |
| FLUID LEAKS FROM SWIVEL | Swivel seals are worn. | Replace swivel seals. See "Swivel Seal Replacement". Caution: Be sure leak is not at hose fitting! |
| HOSE LOCKS UP WHEN FULLY EXTENDED | Hose clamp is in the incorrect position. | Relocate hose clamp to optional location. |

⚠️ WARNING

RELEASE LINE PRESSURE, DISCONNECT FLUID SUPPLY AND RELEASE SPRING TENSION BEFORE ATTEMPTING ANY MAINTENANCE OF REEL.

Service Instructions

Spring Tension Adjustment

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. Disconnect inlet hose. 2. Pull out approx. 2m (6ft) of hose and latch the drum. 3. Add one wrap (or coil) of hose to the drum to increase tension. Remove one wrap to decrease tension. 4. Unlatch the drum and check tension. Connect inlet hose. | <ol style="list-style-type: none"> 1. Remove inlet hose from swivel (6). 2. Remove swivel (6) from reel by unscrewing swivel from shaft (34). Disconnect hose from swivel. 3. Remove c-clip on swivel, pull out shaft from body. 4. Replace the seals and reassemble swivel. 5. Fit hose to swivel then fit swivel to reel. Do not over tighten. 6. Reconnect inlet hose and test for leakage. |
|--|---|

Swivel Seal Replacement

Spring Canister Replacement

1. Pull out approx. 1m (3ft) of hose and latch the reel.
2. Remove outlet nozzle, gun or tool and hose stopper (28).
3. Carefully unlatch the reel and **firmly hold the drum**. Allow the drum to **slowly** unwind until it stops.
4. Remove the swivel (6), c-clip (31) and spacer (30).
5. Remove the two or four nuts located on the support post (4) side, inside the drum cavity. Do not attempt to remove the spring canister nuts.
6. Pull spring canister (1) off drum shaft (13).
7. Reverse above procedure to re-assemble.
8. Retension the reel by turning the drum three complete turns clockwise (from swivel side) and latch the drum.
9. Feed the hose through the hose guide, fit hose stopper, then unlatch the drum. Hose stopper should sit snugly against the hose guide.

Installation of Hose

1. Securely stabilize the reel.
2. Wind the reel drum clockwise (facing the swivel) until the spring is tight.
3. **Use Extreme Caution!** Back off approximately two turns and lock the reel drum from rotating.
4. Insert the MALE fitted end of the hose through the four roller guide arm and through the cut-out in the side of the drum flange.
5. The MALE hose fitting should now be on the outside of the drum. Apply thread sealant and connect hose fitting to the swivel joint and secure the hose rigid with the hose clamp.

Note: The hose clamp restrains the hose when fully extended, from pulling its fittings out at the swivel joint.

6. **CAREFULLY** release the locking ratchet and **SLOWLY** allow the hose to retract onto the reel.

Note: Final spring tension adjustment is accomplished by adding wraps of hose around the drum (to increase tension) or subtracting wraps of hose (to decrease tension).

Replacement of Hose

1. Securely stabilize the reel.
2. Pull out all the hose and lock the reel in that position. **Caution: Make sure reel is securely locked and will not rotate back.**
3. Remove hose clamps from hose.
4. Carefully disconnect hose from swivel joint on side of reel and remove old hose.
5. Remove hose guard and hose stopper from old hose and fit these parts to the new hose in the same position.
6. Feed new Hose MALE fitted end through the four roller guide arm and through the cut-out slot on the drum flange.
7. The MALE fitting should now be on the outside of the drum. Apply thread sealant and connect hose fitting to the swivel joint. Secure hose rigid with hose clamp.

Note: The hose clamp restrains the hose when fully extended, from pulling its fitting out at the swivel joint.

8. **CAREFULLY** release the locking ratchet and **SLOWLY** allow the hose to retract onto the reel.

Note: Final spring tension adjustment is accomplished by adding the wraps of hose around the drum (to increase tension) or subtracting wraps of hose (to decrease tension).

Parts List for the JHR-50 Hose Reel

| Index No. | Part No. | Description | Size | Quantity |
|-----------|---------------------|--------------------------------|---------------|----------|
| 1..... | JHR50-1961-1..... | Spring | | 1 |
| 2..... | JHR50-1948..... | Drum | | 1 |
| 3..... | JHR50-1947..... | Drum | | 1 |
| 4..... | JHR50-1970..... | Base..... | | 1 |
| 5..... | JHR50-1732-2..... | Arm | | 1 |
| 6..... | JHR50-1935..... | Swivel | | 1 |
| | JHR50-1935-SK..... | Seal Kit (not shown) | | |
| 7..... | JHR50-5045-50..... | Hose..... | | 1 |
| 8..... | JHR50-237-1 | Guard H | | 1 |
| 9..... | JHR50-1776-3..... | Assembly Hub Bearing | | 1 |
| 10..... | JHR50-1620..... | Bolt | 1/2"x11/16" | 1 |
| 11..... | JHR50-640-1-SS..... | Locking Cam | | 1 |
| 12..... | JHR50-274-1-SS..... | Dog Spring | | 1 |
| 13..... | JHR50-1956..... | Axle..... | | 1 |
| 14..... | TS-0720091 | Lock Washer | 3/8" | 1 |
| 15..... | JHR50-184..... | Jam Nut | 3/8-16 | 1 |
| 16..... | JHR50-1952..... | Bolt | 1/4-20x1.5 LG | 3 |
| 17..... | JHR50-125..... | Keps Nut | 1/4-20 | 3 |
| 18..... | JHR50-381..... | Clamp | | 1 |
| 19..... | JHR50-381..... | Clamp | | 1 |
| 20..... | JHR50-245..... | Bolt | 10-32x3/8" | 2 |
| 21..... | TS-0720131 | Lock Washer | 5/8" | 1 |
| 22..... | TS-0561071 | Nut | 5/8-11 | 1 |
| 23..... | TS-0720081 | Lock Washer | 5/16" | 3 |
| 24..... | JHR50-312..... | Bolt | 5/16-18" | 3 |
| 25..... | JHR50-130..... | Keps Nut | 10-32 | 4 |
| 26..... | JHR50-111..... | Lock Nut..... | 5/16-18 | 3 |
| 27..... | JHR50-1728-3..... | Roller Bracket..... | | 1 |
| 28..... | JHR50-131..... | Ball Stop | | 1 |
| 29..... | JHR50-1924-1..... | Locking Ring | | 2 |
| 30..... | JHR50-1755-1..... | Spacer Washer | | 1 |
| 31..... | JHR50-1753..... | Retaining Ring..... | | 1 |
| 32..... | JHR50-175..... | Bolt | 5/16-18x1/2" | 4 |
| 33..... | JHR50-117..... | Lock Washer int/ext Tooth..... | 5/16" | 4 |
| 34..... | JHR50-10235..... | Set Screw Cup PT-SS | 3/8-16x7/8 | 1 |
| 35..... | JHR50-6440-SS..... | Spacer Washer | | 1 |
| 37..... | JHR50-6441-1..... | Spacer Washer | | 1 |
| 38..... | JDP14MF-NAME | JET Label..... | | 1 |
| | JHR50-ID..... | JET ID Label (not shown) | | 1 |

The specifications in this manual are given as general information and are not binding. JET Equipment & Tools reserves the right to effect, at any time and without prior notice, changes or alterations to parts, fittings, and accessory equipment deemed necessary for any reason whatsoever.

Parts Breakdown

