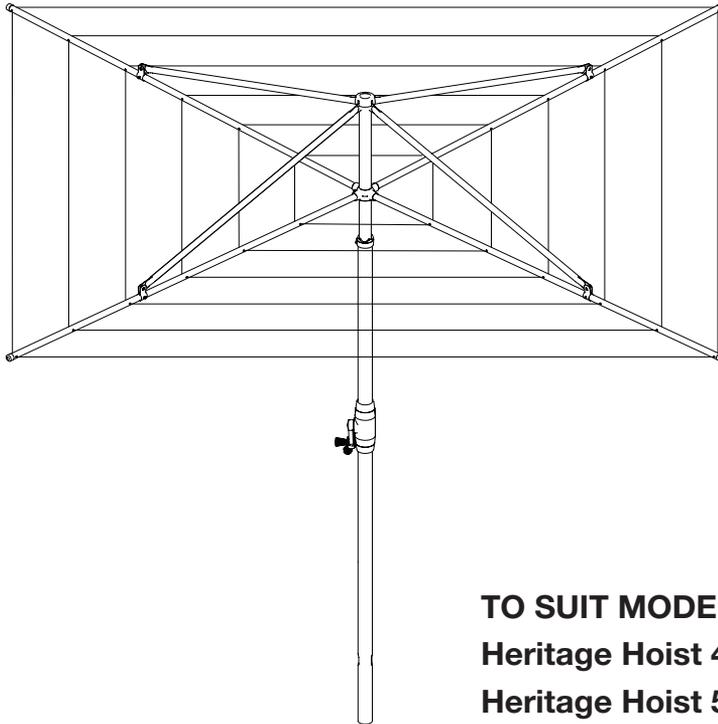


Hills Heritage™ Hoist Supa™ A Hoist Repair Kit Product Manual



TO SUIT MODELS:
Heritage Hoist 4
Heritage Hoist 5

Pack Contents

Part name	Qty.
Pinion	1
Crown Wheel	1
Conical Nylon Washer	1
Stabiliser Plug	1
Pinion Cover	1
Thrust Ring	1
Worm	1
Screw M8 x 45mm	1

Introduction

IMPORTANT:

- **DO NOT** undo or remove the Case Retaining bolts and nuts until the top of the Hoist is fully supported
- Due to the size and weight of the Hoist it is advisable to get assistance before attempting any major repairs
- Allow enough space around you for the repair work
- Always protect your eyes and hands when handling the steel clothes line wire
- You will require the use of a welder or the assistance of your local welding shop to replace the stabiliser plug
- Raise the head of the Hoist at least six full turns so that it is free to rotate.
- **NOTE:** Never leave the Hoist with the cross and wind brake engaged. Use the brake only when you are pegging out the washing and taking it off.

Please retain this Product Manual. Record the following information for future reference.

Product Number (printed on label): FD

Date of purchase:

Name and location of store:

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Designed and tested under a Quality System that meets Hills demanding quality specifications.

Made in China

Dismantling

Support the Hoist securely and use the assistance of another person before doing the following.

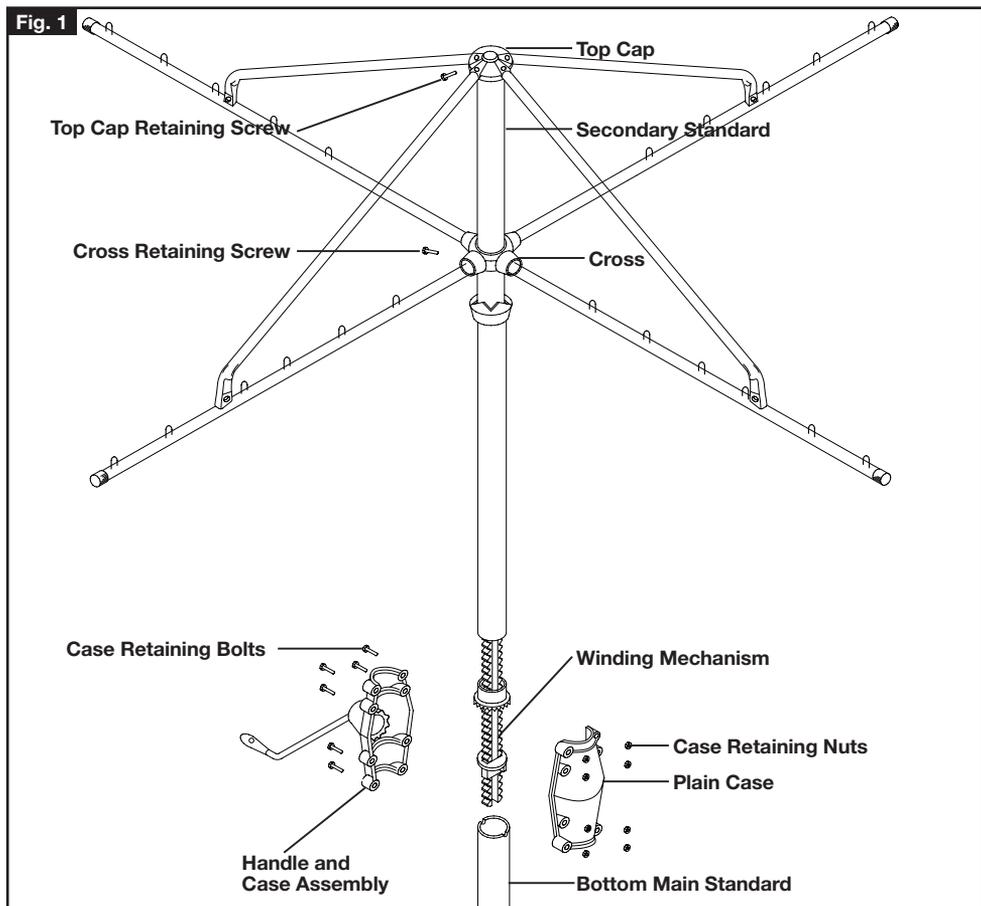
1. Wind down the Hoist to its minimum height
2. Support the upper section and remove the Case Retaining bolts and nuts. Separate the two case halves. Keep these parts for re use.
3. Lift the upper section of the Hoist off of the bottom main standard and place upside down on the ground.

Once this is done refer to the instructions relating to the part that you are replacing

Re Assembling

When you have repaired your Hoist and it is ready to be reassembled do the following.

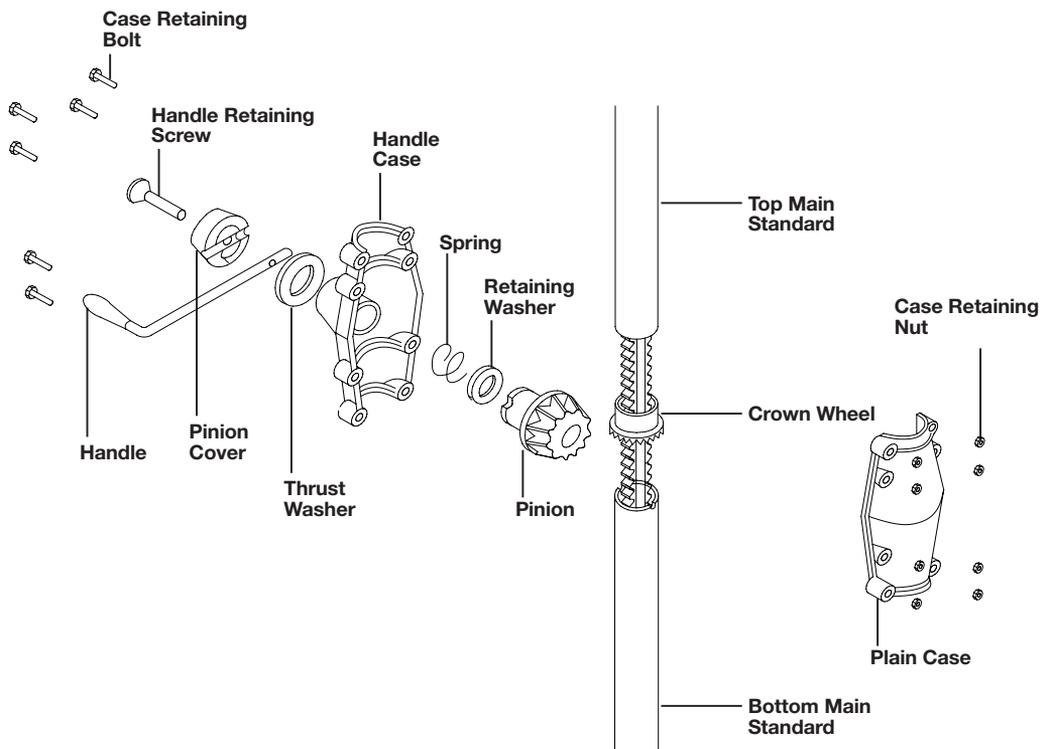
1. With the assistance of another person lift the upper section of the Hoist upright and insert the Winding Mechanism and Thrust Ring into the top of the Bottom Main Standard.
2. Replace the Case assembly and secure with the Case Retaining bolts.
3. Ensure that the lugs inside the cases are located in the holes in the Top and Bottom Main Standards.
4. Check all fasteners are tight and the Hoist will wind up and down.



Pinion and Cover Replacement

1. Hold the Case and Handle assembly and undo the Handle Retaining Screw.
2. Remove the Pinion, Retaining Washer, Spring, Thrust Ring, Handle and Pinion Cover from Handle Case. Discard old Screw, Pinion and Pinion Cover. **Fig. 2.**
3. Clean and lightly lubricate the Pinion, Retaining Washer and Spring with Vaseline
4. Align the parts as per diagram. Reassemble Pinion, Retaining Washer and Spring, into the Handle Case. **Fig. 2.**
5. If you are not repairing anything else on the Hoist then you can continue to step 6. If you are replacing anything else please refer to the other instructions in this booklet.
6. With assistance lift the upper section of the Hoist upright and insert the Winding Mechanism and Thrust Ring into the top of the Bottom Main Standard. **Fig. 1.**
7. Place the two Cases together around the Top and Bottom Main Standards. Line up the Pinion with the Crown Wheel. Re fit the Thrust Washer, Handle and Pinion Cover using the Handle Retaining Screw and tighten. Re fit the Case Retaining Bolt and nuts and tighten. Ensure the lugs inside of the cases are located in the holes in the Top and Bottom Main Standards. **Fig. 1.**

Fig. 2



Stabiliser Plug Replacement

To remove

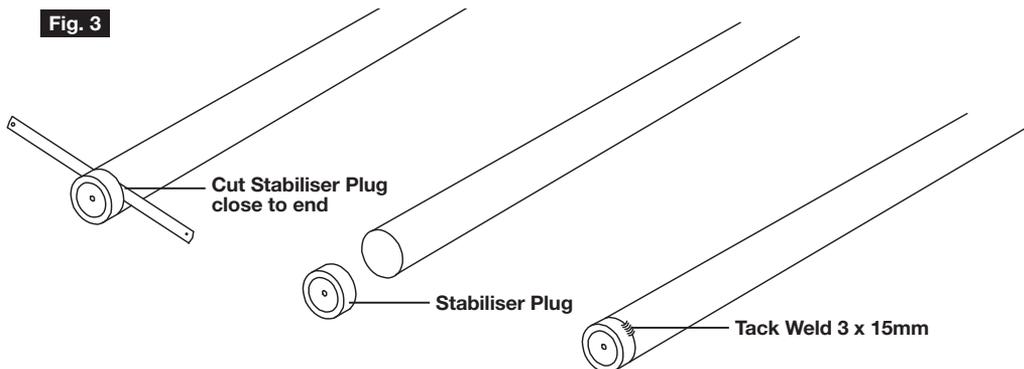
1. Remove the Handle and Case as per the Pinion and Cover instructions. **Fig. 2.**
2. Remove the Top Cap retaining screw and the Cross retaining screw. Place to one side as they are to be re used. Lift the Arm, Stay and Wire assembly off of the Secondary Standard. Place to one side. **Fig. 1.**
3. Undo the Wind Brake retaining screw and slide the Wind Brake and Bush off of the end of the Secondary Standard. Place to one side. **Fig. 4.**
4. Slide the Top Main Standard off of the Secondary Standard. Place to one side.
5. Unhook the Secondary Standard from the Worm and Crown assembly.
6. Bend the Worm at 45 degrees to the Secondary Standard to release. Place to one side.
7. Grip the Secondary Standard in a vice and cut off the old Stabiliser Plug using a hacksaw. Discard Stabiliser Plug. **Fig. 3.**
8. Clean off any rough edges using a file.

To replace

1. Fit the new Stabiliser Plug to the bottom of the Secondary Standard. **Fig. 3.**
2. Tack weld the Stabiliser Plug to the Secondary Standard in three places (3x15mm welds). **Fig. 3.**

3. Paint the welds with a rust proofing paint.
4. Clean and lightly lubricate the winding components with Vaseline.
5. Refit the Worm assembly into the bottom of the Secondary Standard.
6. Slide the Top Main Standard onto the Secondary Standard. **Fig. 5.**
7. Replace the Wind Brake and Bush onto the top of the Top Main Standard. **Fig. 4.**
8. Refit the Arm, Stay and Wire assembly to the Secondary Standard. Secure with the Cross retaining screw and Top Cap retaining screw. **Fig. 1.**
9. If you are not repairing anything else on the Hoist then you can continue to step 10. If you are replacing anything else please refer to the other instructions in this booklet.
10. With assistance lift the upper section of the Hoist upright and insert the Winding Mechanism and Thrust Ring into the top of the Bottom Main Standard. **Fig. 1.**
11. Place the two Cases together around the Top and Bottom Main Standards. Line up the Pinion with the Crown Wheel. Re fit the Thrust Washer, Handle and Pinion Cover using the Handle Retaining Screw and tighten. Re fit the Case Retaining bolts and nuts and tighten. Ensure the lugs inside of the cases are located in the holes in the Top and Bottom Main Standards. **Fig. 1.**

Fig. 3



Crown Wheel and Worm Replacement

To remove

1. Remove the Handle and Case as per the Pinion and Cover instructions. **Fig. 2.**
2. Remove the Top Cap retaining screw and the Cross retaining screw. Place to one side as they are to be re used. Lift the Arm, Stay and Wire assembly off of the Secondary Standard. Place to one side. **Fig. 1.**
3. Undo the Wind Brake retaining screw and slide the Wind Brake and Bush off of the end of the Secondary Standard. Place to one side. **Fig. 4.**
4. Slide the Top Main Standard off of the Secondary Standard. **Fig. 5.**
5. Unhook the Secondary Standard from the Worm and Crown assembly
6. Bend the Worm at 45 degrees to the Secondary Standard to release. Discard old Worm, Crown Wheel, Thrust Ring and Conical Nylon Washer. **Fig. 5.**

To replace

1. Clean and lightly lubricate the winding components with Vaseline.
2. Screw the Crown Wheel onto the Worm from the hook end. **Fig. 5.**
3. Fit the new Conical washer onto the Worm. Attach the Worm and Crown assembly to the bottom of the Secondary Standard. **Fig. 5.**
4. Slide the Top Main Standard onto the Secondary Standard.
5. Replace the Wind Brake and Bush onto the top of the Top Main Standard. **Fig. 4.**
6. Refit the Arm, Stay and Wire assembly to the Secondary Standard. Secure with the Cross retaining screw and Top Cap retaining screw. **Fig. 1.**
7. If you are not repairing anything else on the Hoist then you can continue to step 8. If you are replacing anything else please refer to the other instructions in this booklet.
8. With assistance lift the upper section of the Hoist upright and insert the Winding Mechanism and Thrust Ring into the top of the Bottom Main Standard. **Fig. 1.**
9. Place the two Cases together around the Top and Bottom Main Standards. Line up the Pinion with the Crown Wheel. Re fit the Thrust Washer, Handle and Pinion Cover using the Handle Retaining Screw and tighten. Re fit the Case Retaining bolts and nuts and tighten. Ensure the lugs inside of the cases are located in the holes in the Top and Bottom Main Standards. **Fig. 1.**

Stabiliser Plug Replacement

Fig. 5

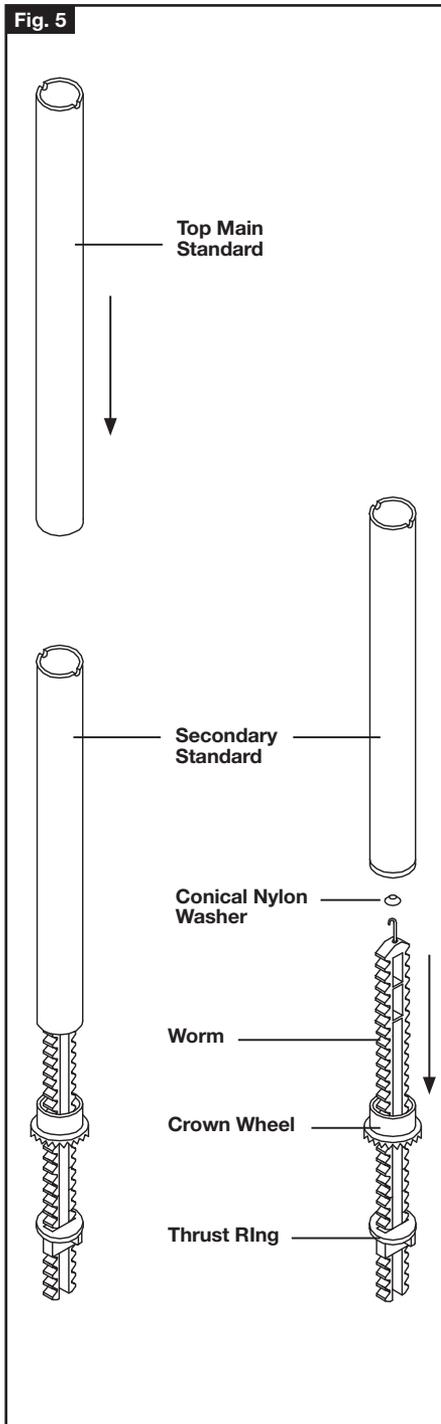
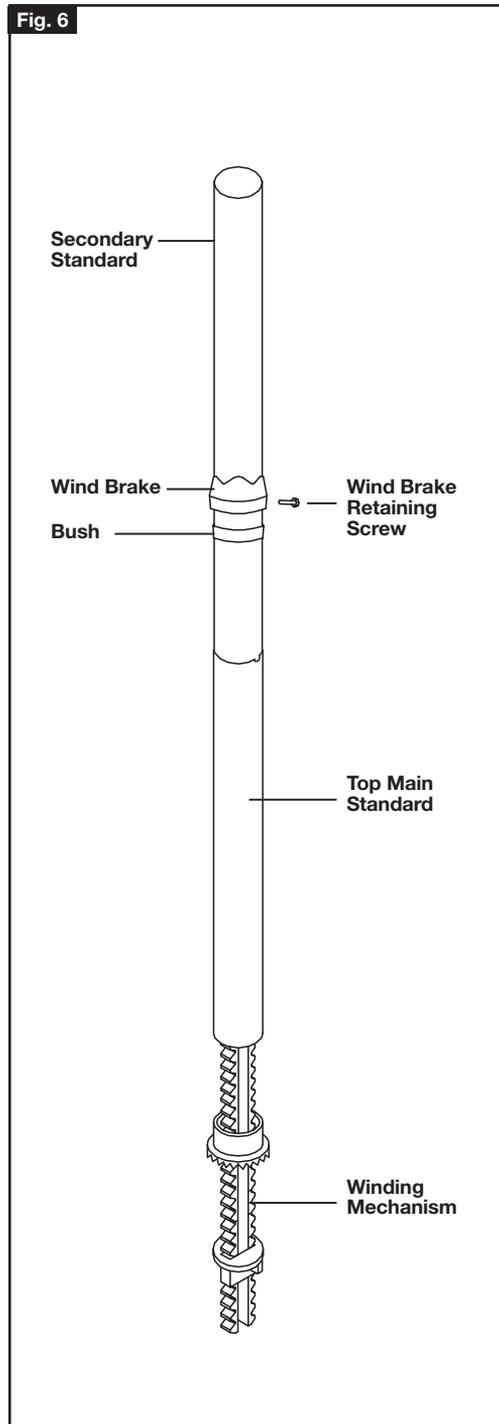


Fig. 6



Hills Warranty

1. Hills provides consumers with the following warranty in relation to this Product, in addition to complying with the requirements of any relevant legislation, including the Competition and Consumer Act 2010 (Cth) in Australia and the Consumer Guarantees Act 1993 in New Zealand (the **Acts**), except where a New Zealand consumer acquires the relevant Product for the purposes of a business.
2. In this warranty, we have used the following definitions:
 - (a) **Hills, our or we** means Hills Holdings Limited (ABN 35 007 573 417) of 159 Port Road Hindmarsh South Australia 5007;
 - (b) **Products** means the following goods manufactured by Hills (including products manufactured for Hills by its contract manufacturers): **Hills Heritage Hoist and Supa A Repair Kit**;
 - (c) **Material** means a material or component used by Hills in the manufacture of the Products;
 - (d) **Warranty Period** means 1 year from the date of purchase of the relevant Product. If the Product or part (as the case may be) is repaired or replaced, there will be no extension to the original warranty period; and
 - (e) **Workmanship** means the handling, assembly and manufacturing processes performed by or on behalf of Hills in order to manufacture the Products.
3. Hills warrants that for the duration of the Warranty Period, all Products will be free of faults arising from defects in Workmanship or Materials, on the terms and conditions set out in this warranty.
4. Hills undertakes that if during the Warranty Period any Product, or any part of a Product, has failed to operate correctly due to faulty Workmanship or defective Material, it will repair or replace the Product or part (as the case may be) free of charge provided that the following procedure is met:
 - (a) The consumer must contact Hills upon becoming aware of any defect to a Product. The contact details for Hills are set out in this warranty and under the heading "Hills Contacts".
 - (b) Following consultation with Hills, Hills will determine whether there is a defect, and if so Hills agrees to (at Hills' option):
 - i. in the case of goods – repair, replace or supply equivalent goods, or pay the cost of any of those remedies to the consumer; or
 - ii. in the case of services – supply the services again or pay the cost of having the services supplied again.
 - (c) If Hills requests the return of the applicable Product or part, Hills will be responsible for the collection and freight costs of returning that Product or part. The consumer agrees to assist Hills with any reasonable request to enable Hills to collect such Product or part.
 - (d) Hills also agrees to be responsible for the freight costs to deliver any new Product or replacement part to the consumer.

5. This warranty is in addition to any non-excludable legal rights or remedies conferred on the consumer under any applicable Act and any similar laws. To the extent permitted by law, Hills' liability for any non-excludable condition or warranty is limited to rectifying any defect at its option, as set out in paragraph 4(b).
6. Subject to the requirements of any applicable Act or legislation and to the extent permitted by law, no liability (whether expressed or implied) of any nature whatsoever, is accepted by Hills for any consequential loss, damage or injury arising as a result of any fault in the Products.
7. This warranty does not extend to damage to Products which occurs during transit or transportation, or which is caused by any abuse, accident or improper installation, connection, use, adjustment or repair or use of goods otherwise than in accordance with instructions issued by Hills.
8. The warranty on Products is waived if any addition or attachment to the Products do not have Hills' specific approval or are not sold as Hills products. The Products are designed to perform specific tasks under established test loads and unauthorised attachments may produce stresses for which the design is not appropriate.
9. The following applies to consumers who purchased a relevant Product in Australia:

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Hills Contacts

We are committed to providing you with complete customer satisfaction. If you have any questions or comments about our products or services please contact your nearest customer service centre during their local business hours:

Australia

1300 300 564
info@hills.com.au

New Zealand

09 262 3052
sales@hills.co.nz

United States

877 534 1371 (Eastern)
gsutterlin@verizon.net

Europe

+44 (0) 118 973 8971 (UK)
enquiries@greenergardensolutions.co.uk

South Africa

021 442 1540
info@stingray.co.za

Hills Websites

www.hills.com.au
Hills Branded Products

www.hillsholdings.com.au
Hills Holdings Limited



Hills Holdings Limited
A.B.N. 35 007 573 417

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