

# **OWNERS OPERATING MANUAL**

## **DONALDS HIGH COUNTRY WOOLPRESS**



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# Introduction

## **Congratulations on the purchase of your new *High Country Woolpress*.**

We are confident that the investment you have made in this unit will be as wise as it was to the farming forefathers of this land some 80 to 100 years ago.

Your *High Country Woolpress* is specifically designed to be simplistic in its operation, yet accomplish all that is required in modern wool packaging today. It has been engineered and manufactured to Te Pari Products high standard for dependability, ease of operation and operator safety. Properly cared for, it will give you years of rugged, trouble free performance

The *High Country Woolpress* is an Automatic Hydraulically Powered Side Pinning Woolpress, capable of taking both Capped and Capless Woolpacks. It is capable of producing a 13 tonne thrust at the platen and is capable of producing bale weights in keeping with the bulk, yield and wool type being pressed.

This Woolpress is also able to press well within Wool Board bale length specifications of 49". (The High Country has pushed them out at 47" and up to weight.)

Pay close attention to the Safe Operating Procedures, Warnings and Cautions. If you use your Woolpress properly, and only for what it is intended, you will enjoy years of safe, reliable service.

Thank you again for buying a Donalds Woolpress.

### **Te Pari Products**

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# Contents

The *High Country* Woolpress is easy to operate but you should make yourself thoroughly familiar with all its functions and safety features.

This manual has been prepared to provide you with easy set up instructions and common sense operating instructions. To ensure that you get the best out of your new Woolpress and keep it in top operating condition, always follow these procedures.

## Section

- A Parts Diagram
- B Initial Press Set Up
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**WARNING**

**Failure to follow these instructions  
can result in injury or death.**

**SAVE THIS MANUAL FOR FUTURE REFERENCE**

# High Country Woolpress Parts Diagram

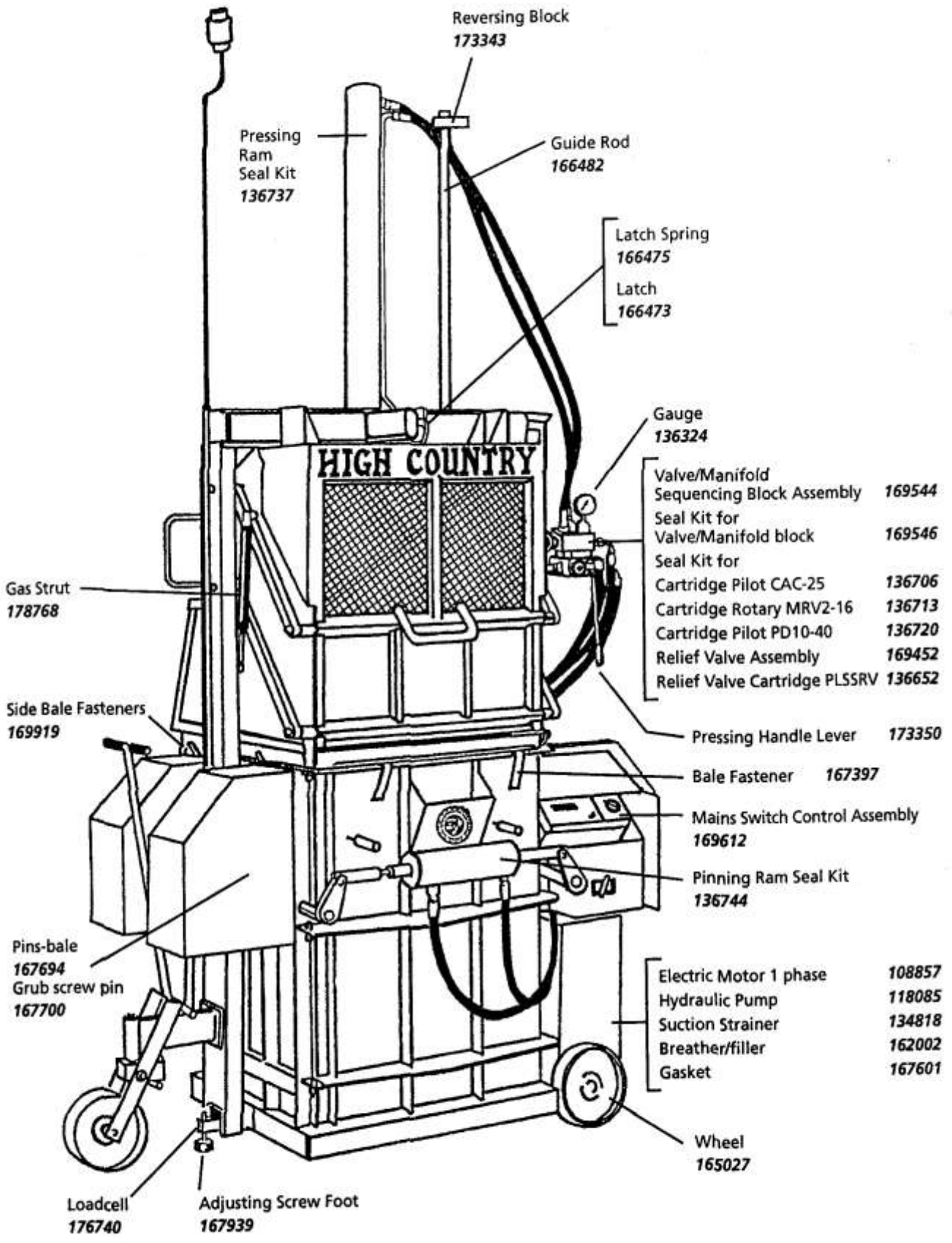


Figure 1

## B. Initial Press Set Up

Your press may have been received in the **optional** transport or **down** position. To commence pressing, the unit will need to be in the **Set Up** position.

To achieve this, carry out the following procedure.

*The objective here is to raise the overhead ram and bolt it onto the overhead brace with the three bolts supplied.*

1. Remove the three bolts from the overhead brace.
2. Plug in the press and turn it on.
3. Pull the operating lever forward to *Press*. The ram will now raise itself to the securing position underneath the overhead brace.



Figure 2

**Note:** There should be about 4mm to 6mm clearance between the ram housing and the mounting plate on the overhead brace.

4. Bolt the ram firmly in place.
5. Push the operating lever back into the reverse position.
6. Remove the platen carry bars that are placed through the bottom box.
7. Bolt the reverse switch block in the correct operating position as depicted in Figure 3.
8. Activate the press for a test run. (re-check Ram fastening bolts)
9. Reverse Switch Block (Ref. Figure 3) This device is the reversing mechanism for the Ram Return.
10. Pressing Control *Cut Out Bolt*

Located on the top of the platen, this bolt makes connection with the Press Control mechanism – neutralizing the Press action opening the front loading safety door and sets the Press ready for the next load of wool. If the switch is throwing the lever through too far into the Pressing position again, then it is this bolt that requires adjusting. Trial and error will determine the correct position of this adjusting bolt.

**Notes:** The Woolpress operation is highly dependant on the front guard and top box being in the working position, i.e., closed. If you find that the operating lever will not move to a functioning position, then please check that the front guard and/or top box are correctly located.

**OPERATING LEVER**  
← **PRESS-NEUTRAL-REVERSE** →



Figure 3

## C. Correct Woolpack Insertion

In order for you to produce even, consistent, well presented bales of wool, it is necessary that correct wool pack positioning is carried out each time.

The following procedure should be noted;

### **MAKE SURE**

1. The woolpack is completely unfolded.
2. The seam split of the woolpack is level with the top of the bottom box.
3. The pack is square in the bottom.
4. The bale fasteners are correctly located.
5. The bale flaps are tucked away.
6. The top box is securely fastened in the locked position.
7. The scale now reads zero – if not, manually set to zero by adjusting with the tare knob.

*You are now ready to press.* (Refer to Weighing System Set Up – page 5).

### **USEFUL NOTES**

- In the first fill of wool, push as much as you can into the Woolpress.
- Operate the Woolpress on its longest stroke. (Refer to Variable Stroke Block – page 6).
- A quick visual check of pack, pins and fasteners etc. would not go amiss.

## D. Woolpress Weighing System Set Up

The Woolpress comes fitted with a Woolpress Weighing system that will indicate to the operator the amount of wool that is in the Woolpress at any time.

The accuracy of this system is largely dependant on the operator to set this system up correctly.

The following procedure is recommended for best weight indication results.

1. The Woolpress must be in a level position. A level bubble is provided on the Press to assist the operator here. Please ensure that this level bubble is indicating the correct position, i.e., level. The level can be altered by the adjustable load-cell foot at the base of the Woolpress.



Figure 4

**NOTE** *On very uneven floors we recommend that you place packer under the load cell foot, if it is required, to obtain the correct level for the Woolpress.*

2. Be sure to set the indicator after the woolpack has been inserted, all bale fasteners are in place, and the top box is in the pressing position.



Figure 5

3. Check after each bale that the setting has not been altered accidentally.
4. Every time the Woolpress is moved to new pressing sites, re-check the level, and the weigher setting.

*Carrying out these simple checks will assist you greatly with the accuracy of your wool bale weight recording.*

## E. Loading and Operating

This Woolpress is capable of taking large amounts of wool at any one time. However, with some high yielding bulky fine wools, it may be prudent to adopt a **little and often** approach if experience shows that desirable bale weights are not being achieved.

### Operating

This Woolpress has a fully automated pressing cycle once it has been activated.

The press is operated by simply pulling the operating lever forward to **Press**. The safety guarding system, however, will not allow this to happen unless all systems are in place.

The following is the operating procedure

1. Fill the Woolpress with wool.
2. Pull down the front safety guard until it latches home.
3. Pull forward the operating lever to **Press**.

The Woolpress will now go through its cycle automatically and return to the start position with the guard up, waiting for the next lot of wool. Now simply repeat the procedure.

### Variable Length Stroke

This Woolpress is unique in that you can operate a long or short stroke with the Pressing Ram – this is achieved by placing the variable stroke block, situated on top of the control arm, in either the “down” or “across” position. This enables the presser to speed up the operation and return a very good bale of wool. This block must be in either the “down” or “across” position – it must not rest halfway.

1. Press your wool to, say, 100 to 120 kilos, using the long stroke.
2. Now throw over the ‘variable stroke block’.
3. Press the remaining wool on the shorter strokes.
4. On the **last** stroke return the variable stroke block and press the longer stroke.

This gives a very square compact bale in a faster time.



## F. Completion and Clipping

At Completion

1. Tip back the Top Box.
2. Remove the bale fasteners.
3. Pull over the Woolpack flaps and clip them together. Put 3 Clips on the first 2 flaps equal distance apart and 4 Clips on the second 2 flaps equal distance apart

Now remove the hydraulic side pins as follows

***Read this Function Carefully***

1. Turn the Pins Extraction lever to the ***up*** position. Note – Figure 6.
2. Push the front guard to its highest position. This is necessary for the Pins Extraction lever to be in its true position.
3. Pull the operating lever forward to press.

The hydraulic pinning ram will now remove the pins and the bale will commence to spring up.



Figure 6

## **G. Withdrawing the Wool Bale**

1. Raise the rear press door locking lever.
2. Use the same arm to unlatch and swing open the rear door.
3. Remove the bale.
4. Once the bale is removed close the rear door.
5. Latch and place the next woolpack in, ready for the next bale.

Remember to return the Pins Extraction lever to its original position (Up) before pressing can continue. (Ref Figure 6.)

## H. Further Operating Notes

### Override the Pressing Stroke

During the normal pressing cycle, the press will operate automatically going through its normal routine and ending up in a waiting position. (Guard up and ready for the next load of wool.)

Should there be any need to reverse the pressing stroke so that the platen will return promptly, then push the operating lever into the **reverse** position.

If you wish to stop the ram then simply push the lever into the **neutral** position.

### Transporting the Press

To reverse the **Set Up** position and have the press ready for transportation, use the following simple steps.

1. Place the platen carrying bars through the bottom box.
2. Remove the overhead switch block prior to lowering the ram.
3. Lower the ram until the platen rests on the carrying bars.
4. Undo the ram securing bolts from the overhead brace.
5. Lower the ram housing bolts in the overhead brace for convenience.
6. The above ram movements can only take place with the guard in the pressing position. All hydraulic hoses etc. should be carefully lowered with the ram until it rests in the transport position.

### Bale Weights and Press Pressures

This Woolpress is capable of 3,500 p.s.i. which equates to 13 tonnes platen pressure. If your press is not getting up to pressure it is more than likely that the power supply to your shed is inadequate to achieve this. Take particular note of other activities drawing power in your Woolshed and consult you local power authority to determine the power flow. You will need 15 amps available to achieve 3,500 p.s.i. on your single phase Woolpress.

### Power Fittings

By law, you are obliged to fit a heavy duty power lead connection to most modern Woolpresses, and the *High Country* is no exception. We have fitted the Press with a 15 Amp single phase connector, and provided approximately 5 metres of power lead from the Woolpress for your convenience.

Please consult your local specialist electrical people to advise on the power connection requirements at your site of operation.

You need to inform your electrician that you wish to install a plastic 16 amp – female connector at your pressing site.

### Power Lead Safety

We recommend you adopt an overhead power lead principle so that all live cords are off the floor and above head height – this can easily be achieved by using an overhead wire and possibly cotton reels as a power lead support.

Your electrician would be pleased to advise you.

# I. Woolpress Maintenance Procedures

## Oil

Correct oil levels must be maintained so that you will not be let down during shearing. It is also recommended that oil is maintained in a clean state so that hydraulic fouling does not take place.

The recommended oil to be used in this Woolpress is Morris Hydraulic and should be suitable in most situations.

On rare occasions, cold climates may experience a slowness using this oil. If so, you should consider using Morris Hydraulic Light. This should result in increased ram speed.

## Oil Change

The oil should be changed prior to the commencement of each season – this prevents contamination and sludge build-up and is simply good maintenance practice.

## Oil Tank Capacity

35 litres of oil is required to fill the tank from empty.

## Greasing

Grease nipples are provided on the following.

- Pinning Ram Pivot Points
- Pinning Main Shafts
- Pinning Arms
- Reverse Switch Block
- Operating Control Cam Plate
- Front Wheel Assembly Turning Shaft

Grease these regularly – Lightly grease all steel to steel working surfaces – door hinges, door latches, etc.

Oil all other moving parts to ensure freedom of movement and correct operation.

## Oil Leaks

Check for oil seepage and leaks while the Woolpress is settling in – firm up any bolts that require tightening. **Do not over-tighten bolts.**

## Bolt Tightening

It is recommended practice to periodically check strategic bolts and nuts for tightness or wear, e.g.

- Front Guard Arm and Top Catch Mounting Bolts
- Top Box Pivot Bolts
- Front Wheel Assembly Bolts
- Pinning Guard Screws
- Back Door Hinge
- Main Ram Mounting Bolts

Bolts should always be firm, in place – **Do not over-tighten.**

## **J. Warnings and Cautions**

1. Keep hands and fingers away from moving parts.
2. Keep children away when operating press.
3. Never tamper with Woolpress Hydraulics or electrical systems. These are factory set. Alterations or medications would render the warranty void.
4. Always keep calm and use common sense.

## **K. Unloading and Installation**

1. Your Woolpress should be dispatched on a pallet.
2. Unload and transport with forklift to woolshed.

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