



ARICKS WHEEL RESIDUE MANAGERS OWNERS MANUAL – INSTALLATION GUIDE



INNOVATION PATENT 2008100515

OWNERS MANUAL – INSTALLATION GUIDE

Safety

This Owner's manual has been designed to assist the purchaser in the installation of the Aricks Wheel and ensure correct fitting and placement of the components in relation to the equipment it is being installed upon.

It is the purchasers' responsibility to ensure that all hardware is tightened and fitted correctly before commencement of operation. After initial use all fittings should again be checked for correct placement and tension. Carrying out regular maintenance on your equipment will ensure correct & efficient operation for many years to come. Safety and common sense should prevail when equipment is in use, i.e. stay well clear of any moving parts or machinery. Correct lifting techniques should be employed when moving any object of considerable weight.

Wire, bindweed, wild buckwheat, string and other debris can become entangled in your wheels. The wheels are intended to move stubble and stubble residue only! Not suitable for use on very rough fields and surfaces that contain large rocks. Speed is a critical factor to ensure minimal soil throw and correct seed placement occurs as well as preventing damage to your equipment (higher operating speeds will cause farther trash throw). We recommend ideal operating speeds between 6 – 8 mph. (situation dependent)

Technical Support:

Thunderstruck Ag 1-855-752-5525
info@thunderstrucksales.com

Left or Right-Hand Wheels?

To distinguish between left or right-hand wheels, when standing behind the machine (facing direction of travel) the units marked LH will be on the left side of the drill. The wheel/unit pictured adjacent is a left-hand unit. All units have either LH or RH stamped on the body following the part number.



Left hand row unit & row cleaner

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Aricks Wheels are installed on the shank of the opener arm with the lower mounting point just under the narrowing of the shank as pictured left and below



When tightening the 'U' bolts make sure the disc is in the fully retracted position (lifted in travel position) as shown left and the Aricks Wheel is locked in the travel position (see photos, below).

Ensure the body of the residue manager is at the extreme front of the recessed section of opener arm (see below right) and remains so whilst tightening the 'U' bolts evenly.

Note: The cable is not a depth adjustment but merely a means of lifting the residue managers in conjunction with the discs. Avoid having the lifting cable too taut by moving the Aricks Wheel body forward when tightening.

Note: there will be minimal distance between the Aricks Wheel and the disc, this is normal, they should however not touch

Locked or travel position



Re-checking 'U' bolt tension after initial use is recommended



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Brackets

(Air drills only)



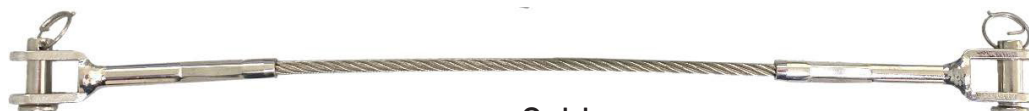
'L' Bracket



'Z' Bracket



Cable Bracket



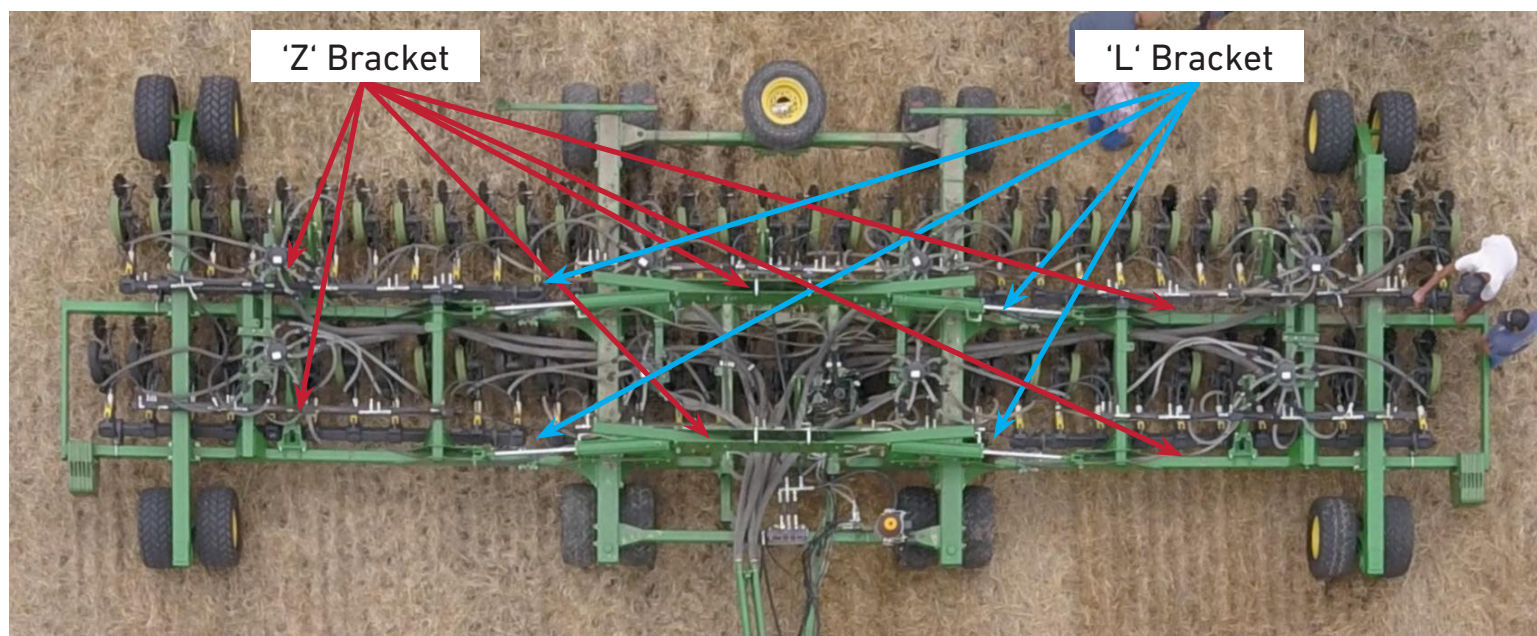
Cable

Aricks Wheels use stainless steel cables to enable lifting of the wheels in conjunction with the discs. These cables are attached to various points of the machine depending on model and size. *(Box drills use a different method of cable attachment)*

The cable bracket is the most widely used on air seeders with 'Z' and 'L' brackets being used in sections that are restricted in their mounting space. The 'L' brackets are used for the hinge joint on the frame fold and the 'Z' brackets are used where the rock shaft hydraulic cylinder is mounted. This is in the middle of each section

eg. 40ft 3 section machine requires 1 'Z' bracket per section: 3 per planting row
60ft 5 sections and needs a 'Z' bracket per section: 5 per planting row

**'L' brackets are not always required on each hinge joint.*



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Frame rolled edge,
*(Note the position of the bracket
in relation to the rolled edge of
the frame)*

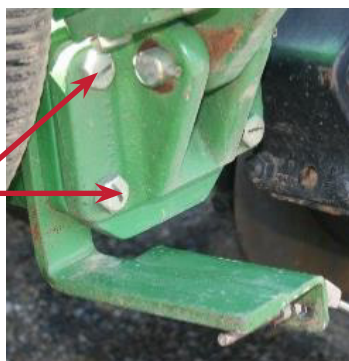
Position the cable mount
directly in front of the mounting
pivot of the main arm



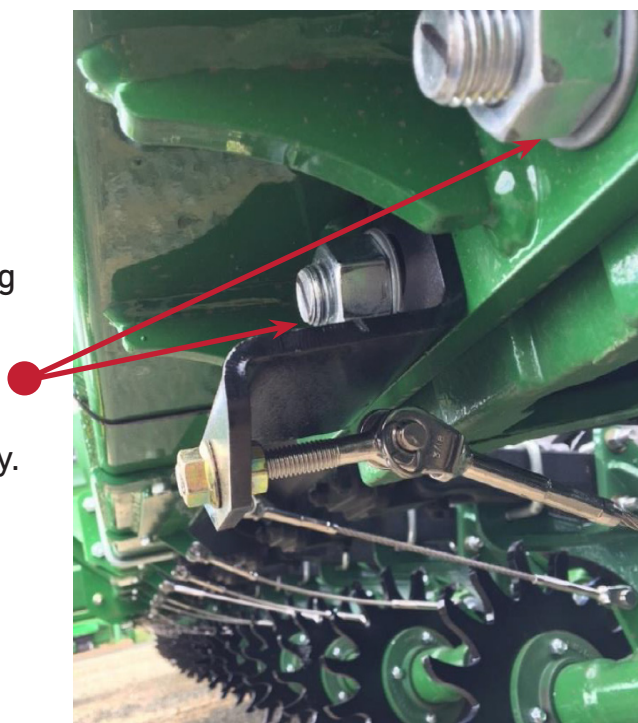
Cable bracket, is secured
using a M10 bolt supplied
(10 mm Bolt). Note the
frame must be drilled and
tapped to suit. Drill 8.5mm,
tap M10 x 1.5.

Installed Aricks Wheel left hand side. Note the
position of the 'L' bracket at left of photo.
(Air Drills Only)

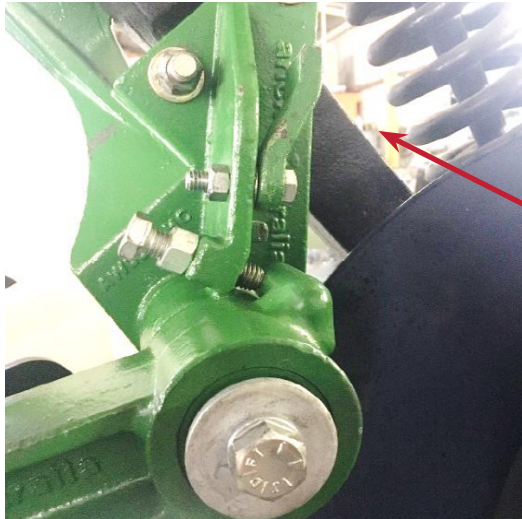
Close up view of
'L' Bracket position
using existing frame
hinge bolts



'Z' Bracket position. Any of the three existing
bolts (third bolt not visible), at the cylinder
mount points on the bar, may be used for
alignment purposes. *(Air Drills only)*
Remove excess thread length to avoid injury.



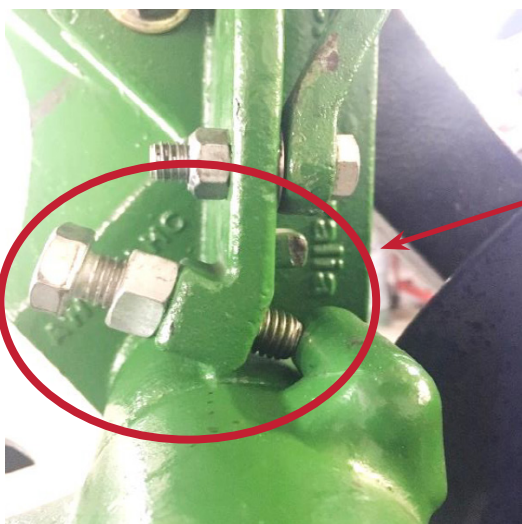
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Aricks Wheel in the unlocked or engaged position.



Aricks Wheel in the locked or travel position.



Depth adjusting bolt (see arrow). By tightening the bolt, (adjusting inwards), the depth of the wheel contact with the soil decreases.

Adjust to own soil conditions so that the wheel only penetrates to a maximum depth of 3/8" or less. The idea is to move residue not soil.

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Instruction for fitting Lifting Bars onto Box Drill

Remove front bolt only from undercarriage mounts as highlighted in below photo. Use these holes to locate the lifting bar into position with $\frac{3}{4}$ x 2 $\frac{3}{4}$ " bolt (supplied).

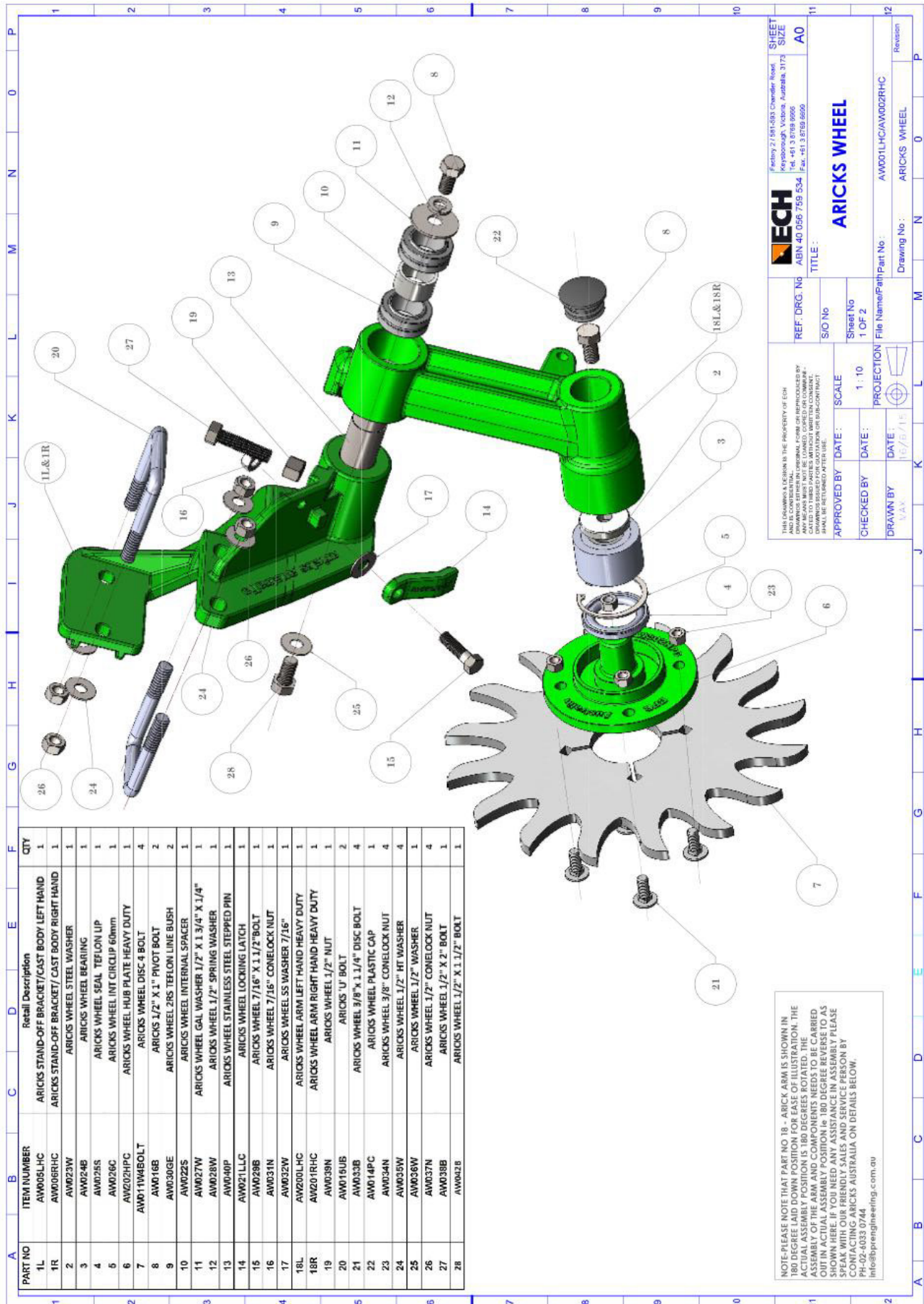
(Under no circumstance remove both bolts.)



Pictured above is a 20ft JD 1590 Box Drill with our end tow option fitted.

FL, stamped in bar.
(FL front left)
(BL back left)

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info@thunderstrucksales.com



PART NO	ITEM NUMBER	Item Description	QTY
1L	AW005LHC	ARICKS STAND-OFF BRACKET/CAST BODY LEFT HAND	1
1R	AW006RHC	ARICKS STAND-OFF BRACKET/CAST BODY RIGHT HAND	1
2	AW023W	ARICKS WHEEL STEEL WASHER	1
3	AW024B	ARICKS WHEEL BEARING	1
4	AW025S	ARICKS WHEEL SEAL TEFLOL LIP	1
5	AW026C	ARICKS WHEEL INT CIRCLIP 60mm	1
6	AW020HPC	ARICKS WHEEL HUB PLATE HEAVY DUTY	1
7	AW011W4BOLT	ARICKS WHEEL DISC 4 BOLT	4
8	AW016B	ARICKS 1/2" X 1" PIVOT BOLT	2
9	AW030GE	ARICKS WHEEL 2RS TEFLOL LINE BUSH	2
10	AW022S	ARICKS WHEEL INTERNAL SPACER	1
11	AW027W	ARICKS WHEEL GAL WASHER 1/2" X 1 3/4" X 1/4"	1
12	AW028W	ARICKS WHEEL 1/2" SPRING WASHER	1
13	AW040P	ARICKS WHEEL STAINLESS STEEL STEPPED PIN	1
14	AW021LLC	ARICKS WHEEL LOCKING LATCH	1
15	AW028B	ARICKS WHEEL 7/16" X 1 1/2" BOLT	1
16	AW031N	ARICKS WHEEL 7/16" CONELOCK NUT	1
17	AW032W	ARICKS WHEEL SS WASHER 7/16"	1
18L	AW020LHC	ARICKS WHEEL ARM LEFT HAND HEAVY DUTY	1
18R	AW020RHC	ARICKS WHEEL ARM RIGHT HAND HEAVY DUTY	1
19	AW039N	ARICKS WHEEL 1/2" NUT	1
20	AW016UB	ARICKS "U" BOLT	2
21	AW033B	ARICKS WHEEL 3/8" X 1 1/4" DISC BOLT	4
22	AW014PC	ARICKS WHEEL PLASTIC CAP	1
23	AW034N	ARICKS WHEEL 3/8" CONELOCK NUT	4
24	AW035W	ARICKS WHEEL 1/2" HT WASHER	4
25	AW036W	ARICKS WHEEL 1/2" WASHER	1
26	AW037N	ARICKS WHEEL 1/2" CONELOCK NUT	4
27	AW038B	ARICKS WHEEL 1/2" X 2" BOLT	1
28	AW042B	ARICKS WHEEL 1/2" X 1 1/2" BOLT	1

NOTE: PLEASE NOTE THAT PART NO 18 - ARICKS ARM IS SHOWN IN 180 DEGREE LAID DOWN POSITION FOR EASE OF ILLUSTRATION. THE ACTUAL ASSEMBLY POSITION IS 180 DEGREES ROTATED. THE ASSEMBLY OF THE ARM AND COMPONENTS NEEDS TO BE CARRIED OUT IN ACTUAL ASSEMBLY POSITION ie 180 DEGREE REVERSE TO AS SHOWN IN THIS DRAWING. FOR ASSISTANCE IN ASSEMBLY PLEASE SPEAK WITH OUR FRIENDLY SALES SERVICE TEAM OR BY CONTACTING ARICKS AUSTRALIA ON DETAILS BELOW.
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REF: DRG No

S/O No

Sheet No

1 OF 2

APPROVED BY

CHECKED BY

DRAWN BY

DATE

DATE

DATE

SCALE

1 : 10

PROJECTION

FILE NAME/PATH

Part No

AW001LHC/AR002RHC

Drawing No

ARICKS WHEEL

Revision

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TITLE

ARICKS WHEEL

SHEET SIZE

A0



Warranty Disclaimer:

Thunderstruck Ag Equipment™ is a distributor of the products we sell and does not provide any direct warranty coverage. All warranty claims and coverage are provided solely by the product's manufacturer, according to their specific terms and conditions.

If you experience a product issue and believe it may be covered under warranty, please contact one of our sales representatives. We're happy to assist you in coordinating your claim with the appropriate manufacturer.



Manufacturers Warranty Statement:

Aricks Australia guarantees that our products are free from defects in materials and workmanship for a period of 12 months from the date of purchase. This warranty covers defects that arise under normal operating conditions and proper use of the product.

WARRANTY COVERAGE:

- This warranty covers defects in materials and workmanship.
- The warranty period is 12 months from the date of purchase.
- During the warranty period, Aricks Australia will repair or replace, at our discretion, any product that is found to be defective in materials or workmanship.

EXCLUSIONS:

- This warranty does not cover damage caused by misuse, improper installation, or unauthorized modifications.
- Normal wear and tear, cosmetic damage, and damage caused by accidents or natural disasters are not covered under this warranty.

INDEMNIFICATION:

- Aricks Australia shall not be liable for any damages, injuries, or claims resulting from misuse, improper installation, or unauthorized modifications of the product.
- The liability of Aricks Australia under this warranty is limited to the original purchase price of the product.

HOW TO MAKE A WARRANTY CLAIM:

- To make a warranty claim, please contact our customer service team with proof of purchase and a description of the defect.
- Our customer service team will provide instructions on how to return the product for repair or replacement.