



***FITTING* INSTRUCTIONS**

DROP SLIDE™ WITH TABLE

PART NO. 30003-30007

DROP SLIDE™
WITH TABLE
BUILT FOR WORK and PLAY!





CONGRATULATIONS ON YOUR PURCHASE OF A **QUALITY MSA 4X4** DROP SLIDE™ WITH TABLE



A quality MSA 4X4 Drop Slide™ with Table is easy and safe to install into your vehicle. It utilises the existing holes for the rear grab handles.

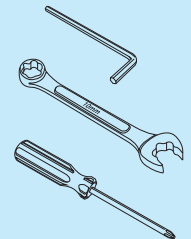
Here's what comes inside the box:

- 1** x Drop Slide Unit
- 2** x Installation Kit
- 3** x Aluminium Handle

If anything is missing, please contact us via:
warranties@msa4x4.com.au

RECOMMENDED TOOLS FOR INSTALLATION

- Allen Key (supplied)
- 10mm Spanner or Socket
- 13mm Spanner or Socket
- Phillips Head Screwdriver



INSTALLATION STEPS

MSA 4X4 DROP SLIDE WITH TABLE MSA 4X4

WARNING

- Do not use your Drop Slide with Table until all installation instructions have been completed and full operation is clearly understood.
- NOT recommended for 240V cord whilst using drop and lift action.
- NOT recommended for use by minors.
- Max load 7.5kg - Overloading will cause damage to the table not covered under warranty.

CAUTION: When slide and table are fully extended, do not leave unattended.

PLEASE NOTE

Our range of Drop Slides™ with Table, incorporate a 'Locking Slide Runner' feature. This feature keeps the unit from opening unless the 'Lock Release Button' is pressed even if the main key lock on the front is unlocked and open. As well as a 'Lock In' feature, it also acts as a 'Lock Out' feature which stops the fridge tray from rolling back in unexpectedly.

When the Drop Slides™ with Table are new, tolerances on slides are tight but will loosen with use. The slide may need assistance by placing your hand on top of the fridge and pushing down to drop with an empty fridge - spraying a little WD-40 on the round pivot points will help.

Side pockets on fridge transit bags may incur damage unless closed.

Some Fridge Bags will not fit as they may contact the lever mechanism.

As the tolerances on the fridge slides are very tight when new, you must place at least 6kg of weight in the fridge to assist it to lower.



1

PREPARE THE VEHICLE

Place the slide on a flat surface and open the slide completely until the locking slide engages the lock. Measure between the front of the base frame and the rear outside of the slide tray. This measurement will vary between 80mm and 150mm depending on the model of the slide. This measurement is the distance the slide front can be mounted back from the front edge of the mounted surface. Please allow 10 - 20mm for clearance to allow the slide tray to lower without interference.

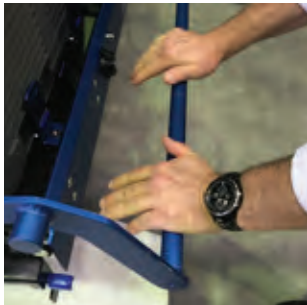
Place the slide in the position required with the maximum set back as measured above. Unlock the key lock and open the slide 150mm to expose the rear row of holes in the base frame. Install supplied 10 gauge x 20mm long self-tap screw in each hole across the rear. As an alternative to the self-tapping screws, the mounted surface can be drilled and M6 nuts and bolts can be used. Please ensure the nuts are Nyloc nuts.

The slide can now be extended out a little further to expose more mounting holes on each side. Install self-tap screws in these holes. Continue working towards the front of the slide until all the holes have screws or bolts installed. The slide is now installed. Do not operate or place any weight on the slide until all the fixings have been installed.



✓ PLEASE NOTE

The handle on the Drop Slide™ with Table is to be installed with the handle curved downwards.



2 OPERATING HANDLE INSTALLATION

Install the **M8 Countersunk Allen Head Bolt** through the lever arm from the inside out. Repeat this for the bolt on the opposite side lever arm.

Place an **M8 Brass Washer** over each bolt thread. This will be placed between the lever arm and the handle.

Place a small amount of thread locker on each thread.

Place the handle up to the thread and tighten each bolt. Only tighten enough to take up the clearance. Do not over-tighten, it will lock the handle if the bolt is too tight.

Place an **M8 Stainless Steel Washer** over the thread on the outside of the handle and then install the **M8 Nut** and tighten while holding the bolt head with the allen key.



3 HANDLE BRACKET INSTALLATION

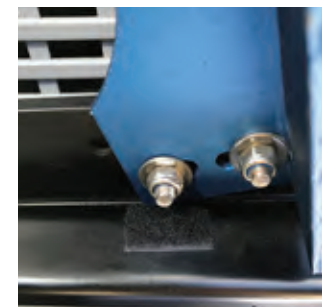
To install the handle brackets, there are two countersunk holes drilled into each lever arm. Place two of the **M6 Stainless Steel Countersunk Head Bolts** through the lever. Hold the handle up with a minimum 15mm clearance to the fridge.

Place the bracket clip over the 25mm round piece on the handle. The handle bracket has adjustment in all directions. Adjust the handle and then place the bracket over the **2 x M6 Bolts** protruding from the lever arm.

Install the **M6 Washers** and **Nyloc Nuts** and tighten.

Place 1 piece of adhesive Velcro loop (*supplied*) over the frame where the **Handle Bracket Bolt** sits. This will prevent the two points from coming into contact.

Repeat the same process on the other handle bracket.



4 TIE DOWN BRACKETS INSTALLATION

In the kit are 4 x **Tie Down Brackets** - two for the front tie downs and two for the rear tie downs. Install these with the **M8 Stainless Steel Button Head Bolts**, **M8 Nyloc Nuts** and **M8 Washers**.

To allow the installation of the front brackets you will first need to remove the **Stainless Steel Table**, this is done by removing the two stop tabs, you will find these towards the front of the tray, pull the table out fully and they will connect to the back stops of the table. To remove these simply undo the two small bolts and the stop will come free.

Once both stops are removed you will be able to fully slide the tray out.

PLEASE NOTE
Be careful not to lose the small split washers when removing the back stop bolts.

It is best to measure the base size of your fridge and place the front brackets where you need them first. Install the **M8 Stainless Steel Button Head Bolts** and **Washers** through the elongated holes on the underside of the slide tray. Attach the **M8 Washers** and **M8 Nyloc Nuts** on the top of the tie down bracket and tighten.

Once the front brackets are in you can replace the tray and bolt the tray stops back into place.

You can now place your fridge onto the slide and install the rear brackets. Place the brackets against the fridge, generator, or toolbox so that they rest on the poly bumper.

There are 4 x **smaller Tie Down Brackets** supplied in the kit. These can be used in place of the fridge handle to be used as tie down points if required. These can be used in place of the rear handle where the slide may be tight against a cargo barrier or **MSA Fridge Barrier** and used for extra clearance.



5 FRIDGE INSTALLATION

Place the fridge, generator or toolbox in the desired location on the fridge tray. If the slide is fitted inside a canopy or closing door, please ensure there is enough clearance to allow the door to close completely without contact with the slide handle.

There are locating holes in most slide trays to suit certain fridges with feet or threads in the base of the fridge.

For **ARB** and **Engel** fridges, remove the four feet from the fridge and place the feet over the location holes in the tray. Now place the fridge on the feet, a small Phillips head screwdriver can be pushed through the tray to locate the threads in the base of the fridge through the feet. Install the **4 x M6 Bolts** and **Washers** supplied and tighten.



For **Waeco CFX** fridges, place the fridge on the tray, align the holes with a small screwdriver. Install the **4 x M6 Bolts** and **Washers** supplied into the fridge base and tighten.

For **Waeco CF** fridges, install the **6mm Countersunk Head Bolts** through the top of the tray with the head up. This works as a locator only.



✓ PLEASE NOTE

Due to the slide rails, that allow the table to slide, some of the holes in the Drop Slides' tray can no longer be utilised as fridge bolt down points.

6 TIE DOWN STRAPS INSTALLATION

Attach the 4 x **Tie Down Straps** and trim or use the supplied Velcro strap to secure the excess strap neatly out of the way. .

✓ PLEASE NOTE

Do not use turn buckles to tie down fridges. We recommend the use of 25mm cam buckle tie down straps.



7 POWER CORDS

Using the cable ties supplied secure the power cord out of the way of all mechanisms. On fridges with rear power plugs, run the power cables up the back of the fridge and cable tie the cord to the fridge handle and then loop over to the mount point of the gas strut allowing enough slack for when the fridge tray drops down.



For fridges with front mounted power plugs the power cable can be run down the outside of the **MSA Drop Slide™** with **Table** frame to your power outlet. For other fridges simply run the power cables where they will not interfere with the operation of the **MSA Drop Slide™** with **Table** or become caught and damaged in moving parts.

TIP

Included in the kit is a blue bungee that is intended to be used for keeping the keys for the Drop Slide™ with Table handy.

This bungee can also be used to keep your fridge cord out of the way as the unit slides in and out. Simply attach one end of the bungee to your power cord and the other end to a point which will allow the power cord to travel far enough, it will assist to pull the cord back in correctly.



PLEASE NOTE

These units are tight when new due to tolerances. A slight bit of downward pressure on the top of the fridge with your hand will assist it to lower. After a short while, this will no longer be needed as the unit will free up.

8

TABLE OPERATION

Place the key in the lock and unlock it. Turn key lock handle into the vertical, unlocked position and slide the tray outwards. Reverse the procedure to return the table to the locked position.

Only extend or retract the table while the Drop Slide™ is in the stowed or fully lowered position. Lowering or raising the Drop Slide™ while the table is extended will cause damage to the table and its ability to function as intended. Ensure the lock is in the locked position while in transit.



Table extended in the stowed position



Table extended in the lowered position

9

DROP SLIDE™ OPERATION

Place the key in the lock and unlock it. Turn key lock handle into the vertical, unlocked position.

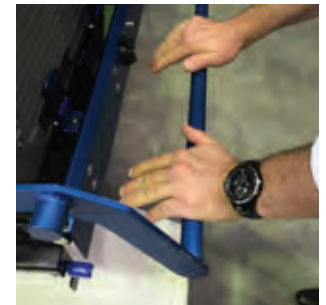
Unclip the handle and push all the way down. Always keep downward pressure on the handle.

On the left side of the Drop Slide™, you will notice a blue lock release lever.

Use your finger to press the blue lever down and place slight downward pressure on the handle while pulling the slide out towards you (**DO NOT RELEASE DOWNWARD PRESSURE**). Once the tray is moving, you can release the blue lock release lever.

When the slide is at full extension, slowly release the downward pressure on the handle. This allows the slide platform to lower. At the same time the handle will be raised. Please do this first operation very slowly to ensure that raising the handle does not come in contact with any vehicle doors, etc.

The platform will lower as far as the bump stops on the slide or rest on the tailgate. It is now completely in the lowered position and the handle can be folded to the rear for easy opening of the fridge lid.



9

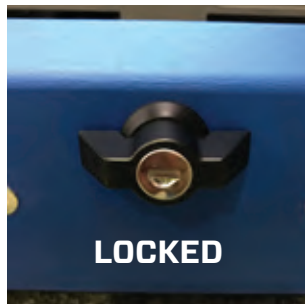
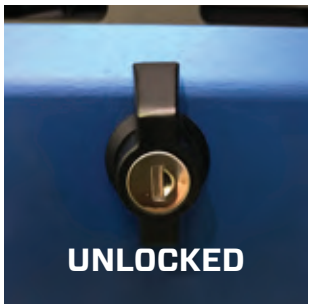
DROP SLIDE™ OPERATION CONTINUED

To raise slide platform, reach up to the handle, (*fold handle back towards the front of the fridge if folded back*) and pull down towards the front. Pull down until the handle stops - it can be pulled down very firmly to a stop - you will not damage the slide.

While maintaining downward pressure on the handle, push down the blue lock release lever and start pushing the fridge tray back in. Again, once it has started to slide back in you can release the blue lock release button.

Ensure the keyed travel lock is in the **'Unlocked'** vertical position. Push slide platform back into closed position. You will need to give the platform a good push before it has fully closed, this is to ensure the locking slide runner engages into the **'Locked In'** position correctly.

Ensure when raising the fridge tray that the lock is in the **'Unlocked'** vertical position (*If lock is in horizontal closed position when platform is pushed back, damage to the lock WILL occur*). When the slide stops and locking runner has engaged correctly, twist the key lock to the clockwise to the **'Locked'** horizontal position (*lock with key if needed*). Fold handle up and push into retaining clips to secure for transport.



10

MAINTENANCE

Please ensure slide runners, tray and bearings remain free from dirt, sand, grit and water.

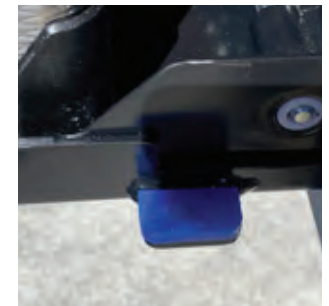
Clean all exposed metal parts regularly and spray with Innox Plus MX5

Please check the **MSA Drop Slide™** with **Table** tray does not have any forward or backward movement. This can cause failure of the lock key assembly.

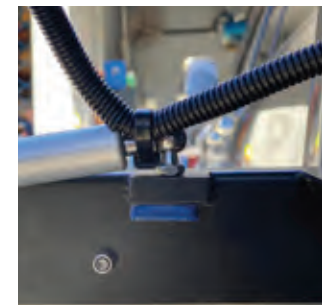
To check and adjust, make sure the **MSA Drop Slide™** with **Table** is in the stowed and locked position. Holding the front of the Fridge tray, pull the tray forwards and backwards. If there is any movement or *'clicking'*, then unlock the fridge tray and slide forward enough to gain access to the rear of the slide runners. Looking at the back end of each of the slide runners you will notice a small black moulded rubber bumper that, when the runner is closed, sits up against a metal tab bent at a right angle. Using a shifting spanner, slightly bend this tab forward.

You must also do the same adjustment to the other runner as well, this will remove any unnecessary extra clearance in the slide runners.

To avoid any up and down movement of the tray, check that the blue crush blocks are in place. These are designed to hold the tray in place then stowed and alleviates any up or down movement.



Front blue crush block



Back blue crush block

MSA 4X4 LIFETIME GUARANTEE

MSA 4X4
DROP SLIDE
WITH
TABLE
MSA 4X4



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Website:

msa4x4.com.au

All MSA 4X4 Accessories products are designed and manufactured to the highest quality standards to perform as they should. We stand behind our products with a Lifetime Manufacturer's Warranty. All claims under this warranty should be made by returning the product at your cost to MSA 4X4 Accessories Pty Ltd, 43 Harrington Street, Arundel, QLD 4214, with the detail of the fault, proof of purchase, proof of identification and vehicle fitment details where relevant. Lifetime manufacturer's warranty applies to the original purchaser only.

If we determine that an MSA 4X4 Accessories product is defective in materials or workmanship during the Lifetime Warranty, we will either repair or replace the product. Repair or replacement is solely at the discretion of MSA 4X4 Accessories Pty Ltd. This warranty does not apply to failure or damage caused by incorrect or faulty fitment, accidental or intentional damage, misuse or abuse, failure of other products, operation of the product outside of its environmental or technical specifications, or repair or modification carried out by anyone other than MSA 4X4 Accessories Pty Ltd. No charges will be accepted for external labour or materials.

Lifetime warranty applies to all MSA 4X4 Accessories Fridge Slides, Fridge Barriers, Storage Drawers, and steel or aluminium products, excluding MSA 4X4's Driving Mirrors and Power Panels. MSA 4X4 Accessories Lifetime warranty does not cover any coating faults, rust, scratches, chips, carpet or battery packs. Fabric product Lifetime Warranty covers all manufacture and fabric components. Lifetime Warranty will not cover any fading of fabrics.

MSA 4X4 Accessories products are designed for lifestyle applications. Due to the harshness of the mining environment,

MSA 4X4 Accessories products used in mining applications that may be operating outside of their environmental and technical specifications are therefore excluded from a Lifetime Warranty. MSA 4X4 Accessories products used in mining applications are warranted for up to 1 year.

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.

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