

## Titan 3 Magnet Service Kit & Instructions



This step by step guide will assist you in successfully servicing your Titan 3 magnet to further your investments lifespan in the precast yard. Ongoing maintenance of each magnet will ensure they perform as expected and will reduce potentially ongoing replacement costs.

*For the purpose of servicing your Titan 3 you can replace either the Body or the Handle. In both scenarios, you reuse your existing magnet pack or old handle, depending on what you are servicing or replacing.*

### Equipment Required

The following items will ensure your able to disassemble your old magnet case without causing further damage and will allow for a fast reassembly with your new service kit. These items can be used for servicing both the Body & the Handle Kits. *Emphasis needs to be made with regards to conducting this work on a non-metallic surface. Failure to follow this guide could result in hazard to the operator hands or the magnet being stuck to the flat metallic surface to which it will never be removed.*

1	<b>Non-metallic workspace</b>
2	Cordless Drill
3	4mm Allen Key or Bit
4	6mm Allen Key or Bit
5	Phillips head screw driver or Bit
6	Thin Blade flat head screw driver
7	Small Scrubbing Brush
8	WD40 & Cloth
9	Safety Glasses

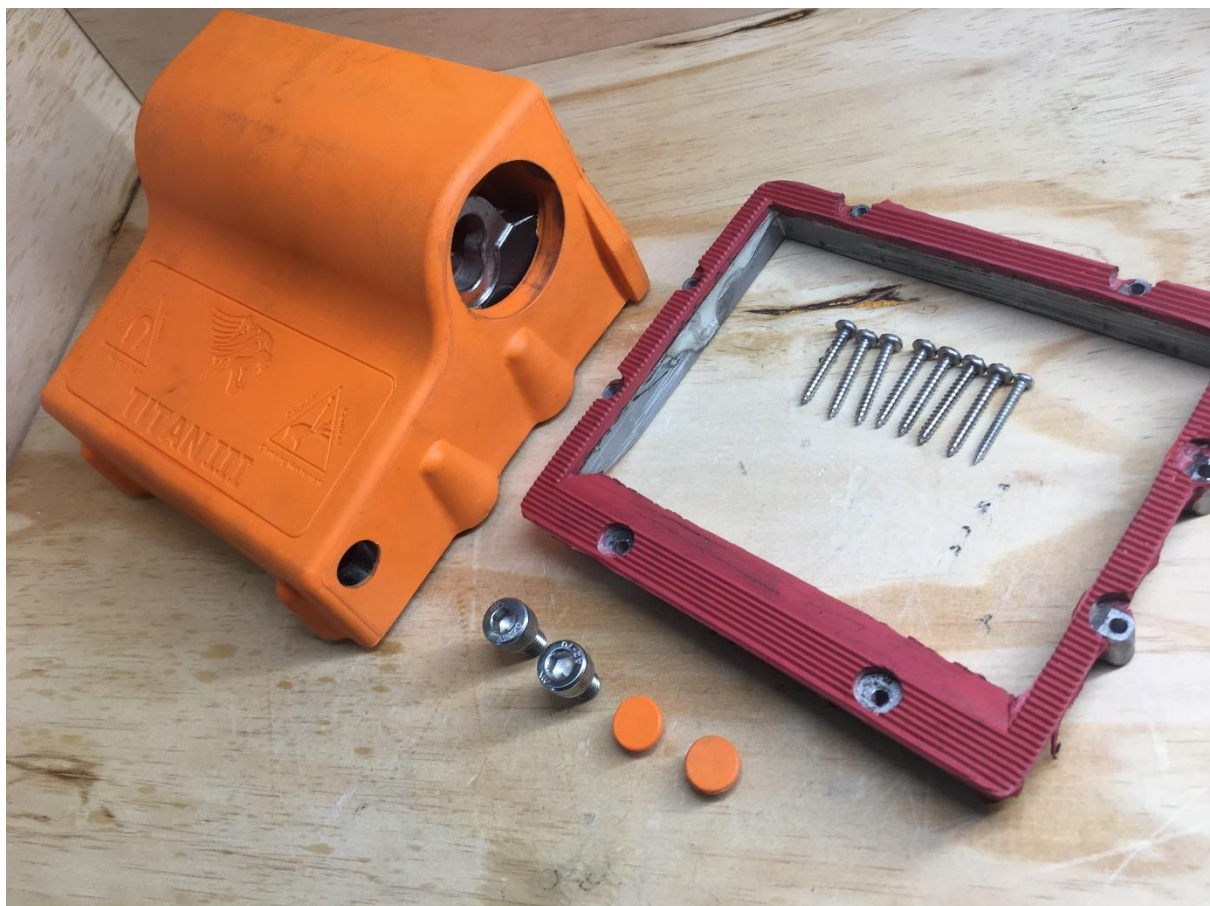


## Service Kit Checklists

The below tables outline all the contents of your Titan 3 Magnet service kit. The service Kit includes a Body replacement pack & a Handle Replacement Kit, both of which are purchased separately. Please ensure all items are present and you can check them off, this will ensure your service runs smoothly and quickly.

***The Service Part Code number is MAG1BK please quote this when order your next kit.***

Serial	Item	Qty	Checked
1	Titan 3 Magnet Casing, Orange	1	
2	Titan 3 Rubber magnet Skirt, Red	1	
3	Magnet Skirt retention screws, Phillips Head	8	
4	6mm Socket head hex screws	2	
11	Magnet case sealing caps, Orange	2	



***The Service Part Code number is MAG1HK please quote this when order your next kit.***




Serial	Item	Qty	Checked
5	Handle uprights, Red	2	
6	Handle Grip, Red	1	
7	Handle guide pin, Stainless Steel	1	
8	Handle guide Bushes, Stainless Steel	2	
9	Handle guide Teflon Washers, White	2	
10	4mm Hex Head Handle screws	4	
12	Handle sealing caps, Red	4	





## STEP 1.

### Old Magnet Disassembly

Step Instruction	Image
<p><b>*WARNING*</b> <b>BEFORE COMMENCING ENSURE YOUR WORKSPACE IS NON-METALLIC</b></p> <p>Start by removing any excess concrete that might attached to the magnet casing around the screw locations and from the bottom of the magnet pack</p>	 A red and orange magnet assembly is shown on a wooden surface. A white brush with a wooden handle is placed next to it.
<p>Using your thin blade screwdriver remove all the sealing caps from the magnet case and the handle area to expose the hex screws.</p>	 A thin blade screwdriver is being used to remove a sealing cap from the magnet assembly. The cap is being lifted, and the hex screw is visible.
<p>Flip the case upside down, using a Phillips head screw driver or cordless drill (set on low power) remove the 8x Skirt retention screws.</p>	 A cordless drill is being used to remove a skirt retention screw from the magnet assembly. The drill is positioned over the screw, and the magnet assembly is upside down.

Continued.

Using your 4mm Allen key remove the hex screws from one side of the handle section. You only need the screws from one side. *Put these aside if you are reusing this handle.*



Once removed you can slide the handle with the Guide Pin out from the magnet case. Be sure to remove the Guide Pin Bushes and Teflon washers as well. ***If you are reusing your handle put it to one side for use in once the body has been replaced***



At the rear of the magnet casing remove the Cap head hex screws with your 6mm Allen key. These are the last screws retaining the magnet within the housing.







Using a long screw drive insert it into the casing from the side to lever the magnet from the case as it may be locked against the demagnetising strip on the inside. Once free remove the skirt from the surrounds of the magnet pack. This will just slide off.








## STEP 2.

### Magnet Pack Inspection & Cleaning

Step Instruction	Image
<p>The magnet pack needs to be checked for damage. Severe damage to the Rear Pivot screw locaters will render the magnet pack <b>unserviceable</b> and a new magnet will need to be purchased.</p>	
<p>The kidney guides need to be checked for wear and tear. These will wear over time and excessive wear will reduce the magnets engagement/disengagement capabilities. <b><i>There should be a distinct “bump” if there is not then the magnet handle engagement will be severely affected.</i></b></p>	
<p>The skirting between each magnet element should be checked. Slight wear and tear is acceptable however if several of the rubber strips are missing or broken this can slightly reduce the magnets effectiveness in shear and needs to be considered when returning to service in the yard.</p>	
<p>Scrub any excess concrete from the magnet pack. WD40 can be used sparingly to clean residue from the magnet pack. Avoid getting excess WD40 around the Kidney section. Wipe any excess from the magnet pack before proceeding.</p>	

### STEP 3.

#### Re-assembly with new Magnet Service Kit

Step Instruction	Image
Place Magnet pack upside down on the work surface. Slide the new Magnet skirt over the magnet pack with the thicker section at the bottom end of the magnet.	
Turn the magnet pack over and then slip the new Titan 3 case over the magnet pack and push down firmly to “seat” it.	
Using your 6mm Allen key insert and tighten the Cap head hex screws in the Rear pivot locators.	

Continued.

Insert the Handle guide pin collets into the magnet pack “kidney” sections. These will be either new ones if you are replacing the Handle, or the ones from the old handle.



Be sure to insert the White Teflon washers onto the guide pin before sliding it through. These enable smooth function of the handle and prevent wear against the handle arm and the guide bushes.



Press the magnet pack up inside the case so it engages with the Demagnetising strip. This will aid in sliding the Guide pin and handle through the kidneys.

Using the Handle portion with the guide pin attached slide it through the collet and through to the other side until the steel portion of the handle upright is snug inside the case.





Continued.

Insert the remaining Handle half and upright, locking it into place with the aligning lugs. Push it in firmly until the metal ring section is flush with the body of the case. Insert the Hex head screws and tighten with your 4mm Allen Key.



Flip the magnet over to reveal the skirt. Using your Phillips screwdriver or cordless drill (set on low) install and tighten the 8 x retention screws. ***Be sure not to overtighten these as damage may occur to the inserts inside the case.***



The final stage is to insert all the sealing caps. There are 4 for the handle (Red) and two for the Pivot screws at the rear of the case (Orange). These can be simply pushed in by hand and should not require blunt force.



## Conclusion

Your Titan 3 Magnet is now ready to renter service in your yard. Be sure to service me every 12 months to prolong my lifespan!

If you have any issues with this guide or are missing any components, please contact your Account Manager or the National Call Centre on **1300 780 250** for assistance.

