

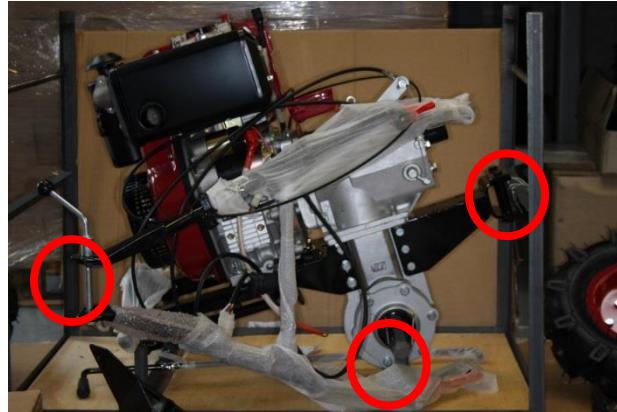


## Titan Pro 1100B Assembly Instructions

### **Tools Required for Assembly**

16mm Spanner	16mm Socket
13mm Spanner	Extension bar for socket
10mm Spanner	Phillips screwdriver
8mm Spanner	Grease for lubrication

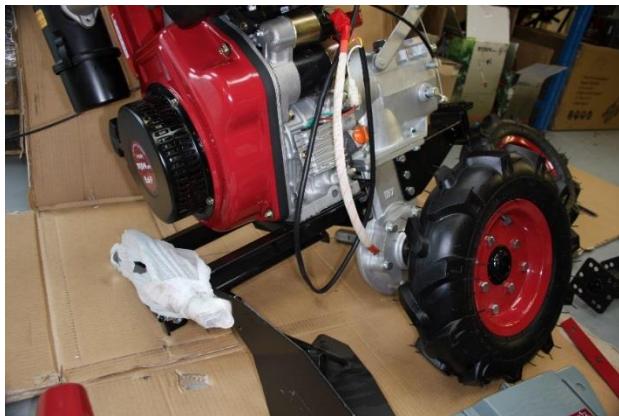
**NOTE: THIS UNIT IS HEAVY SO TAKE CARE. 2 PEOPLE MAY BE REQUIRED TO ASSEMBLE THE FIRST PART**



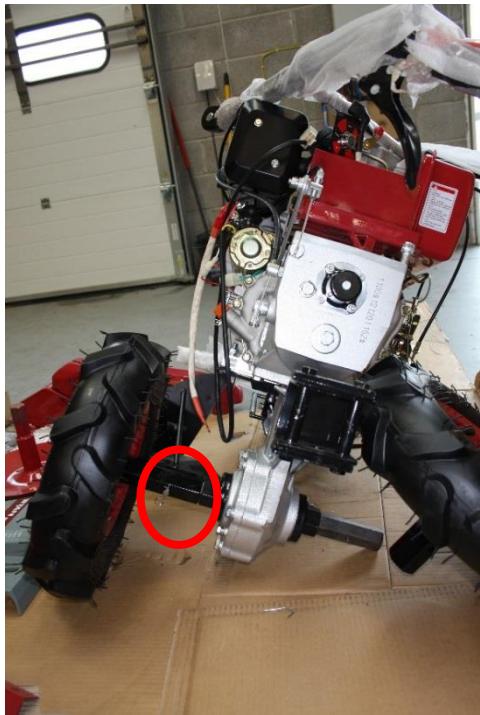
1. Unbolt main unit from packing frame.



2. Unpack all parts to the machine



3. Lean Machine to the left and slide on right hand wheel



4. Insert Pin (shown below) into shaft as shown to secure wheel (Left)



5. Repeat on right hand side.



6.  
A Handrail Stand

B Bolts and brackets for fixing onto machine

C Slide handrail stand under bracket

D Bracket in position



7. Using 4 x 16mm bolts fix bracket into place. Use washer above and below bracket and spring washer underneath.



8. Remove adjustment bolt and lever (above left) and slide handlebars onto handrail stand. Replace bolt ensuring that the bolt goes into hexagonal hole (above middle). Tighten with lever to adjust to desired position.

9. Screw ignition switch onto handlebars and connect terminal block as shown (right)

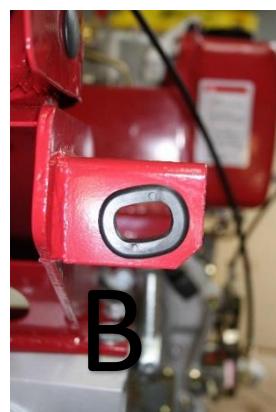
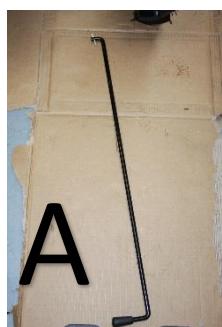


10.

A Gear shift lever with cotterpin attached

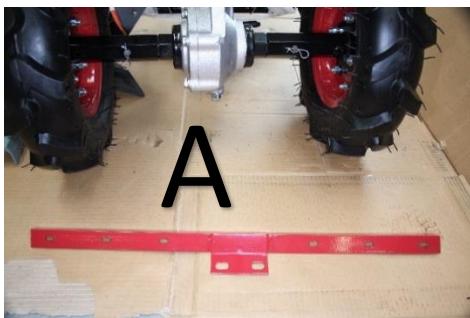
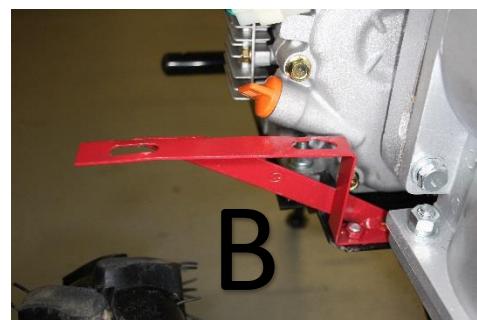
B Remove cotterpin and slide lever through hole

C Attach the lever to the gear shift selector and replace pin

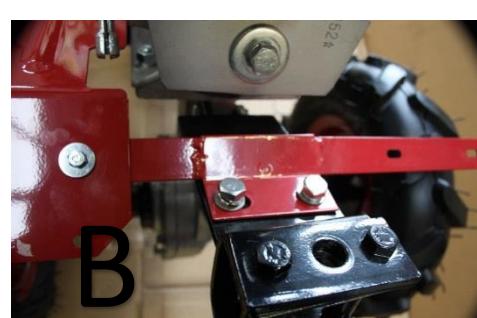




11.  
A Front mud guard mounting bracket (x2)  
B Fit bracket to mounts each side of engine using 2 x 13mm bolts and washers



12.  
A Rear mud guard mounting bracket  
B Fit bracket to mounts using 16mm bolts and washers, fit loosely.



13.  
4 pieces of tines cover



14.  
Fit inner right hand tine cover using 10mm bolts and washers. Fit loosely.

Repeat on left side.



15.  
Slide strengthening supports underneath cover (left) and align holes (right). Loosely screw 10mm bolts to hold together.

Repeat on left side.





16. Slide right hand outer tine cover under 3 bolts and tighten to secure in place. Repeat on left side.

Tighten all bolts on tine cover, including those on the rear bracket, ensuring that they are all tight.



17. Place the rubber battery protector into the battery compartment.



18. Place battery into compartment and fix with 2 side bolts and top supporting bar (right).



19. Screw live and neutral cables into place on battery (marked black and red on the battery).  
Grease the terminal and replace cover.



20. Screw in the tool box to the top of handlebars.



21. Place depth gauge into rear slot on machine. Adjust the pin for desired height.



22. Assembly of the tines.

The tines are left and right handed and are marked as such. Picture shows one bar and tines required.

Repeat this for the other tine bar and extension bar.



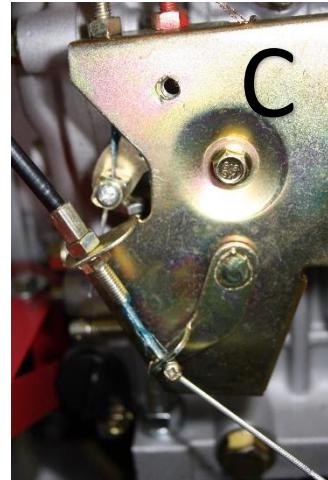
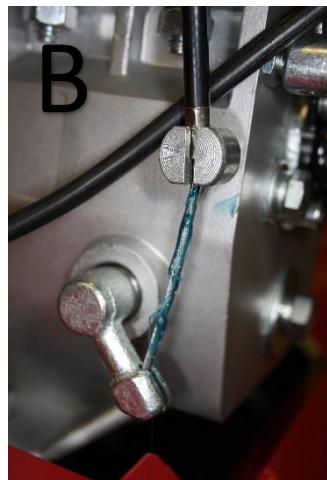
Lay one right handed tine onto tine bar, curling up. Then place a left handed tine across this one, curling down and bolt in the middle (left).



Repeat this to place all four tines around the bar. Bolt all four corners tightly.



Repeat the above for the next 2 layers, ensuring all bolts are VERY securely fastened.



23. Assembly of the unit is now complete.

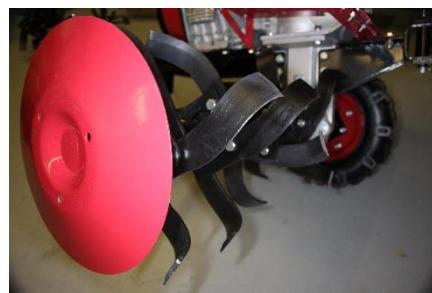
Grease the following cables as shown above

- A Drive cable
- B Clutch cable
- C Dead mans handle cable



To fit the tines to the machine, remove the pins holding the wheels on. Remove the wheels, and slide on tines. Place red end caps on the ends and secure using the pin.

It is best practice to keep the drive shaft greased for easy removal of the wheels and tines.



## Adjustment of Cables

To adjust cables:

Clutch Adjustment – Turn the nut on spindle below handle one full turn and retry machine.



Deadman's Handle Cable – Loosen bottom nut and tighten top nut half turn.

## Lubricants

Engine Oil. - Using orange filler cap, fill with oil. MAX 1.25 litres  
Check levels using dip stick



Gearbox oil – Using silver filler cap located on drive shaft, fill with oil. MAX 2.5 Litres  
Check levels using dip stick

