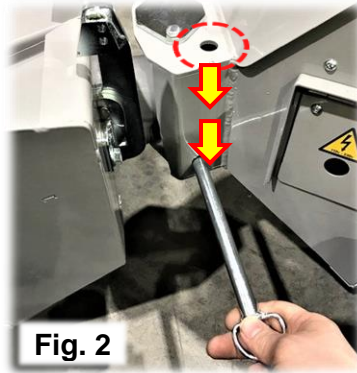


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FRONT AXLE REMOVAL & REPLACEMENT

1

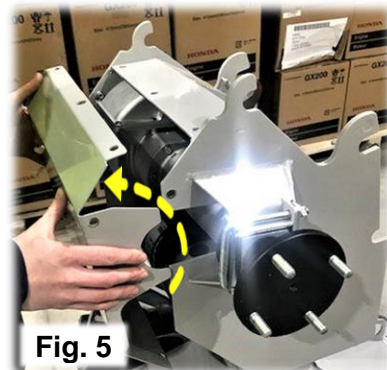
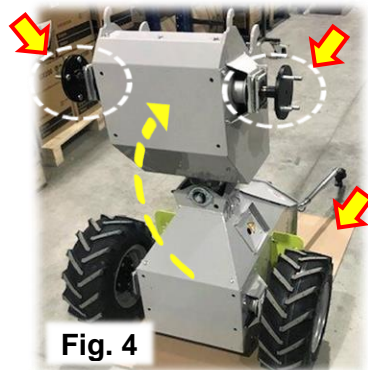
- 1) Loosen the wheel nuts while the machine is on the floor, but do not remove at this point. Ref. Fig. 1
- 2) Take out the gimbal stop pin from its vertical stowed position and replace in a horizontal position to lock the steering. Ref. Fig. 2
- 3) Loosen the handlebar clamp and position handlebars so they are in a vertical position. Ref. Fig. 3



2

- 4) With the steering locked, lift and tilt the machine onto its back, use cardboard on the floor to prevent damage to the paintwork. Remove the wheels. Ref. Fig. 4
- 5) Remove the front bottom skid plate by removing the 10 x M6 bolts. Ref. Fig. 5

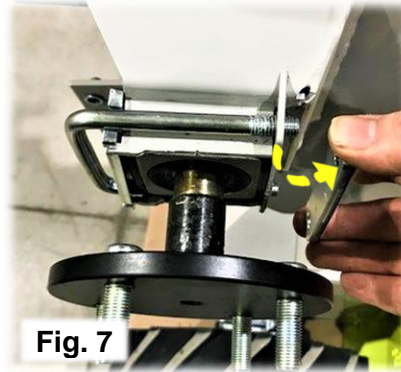
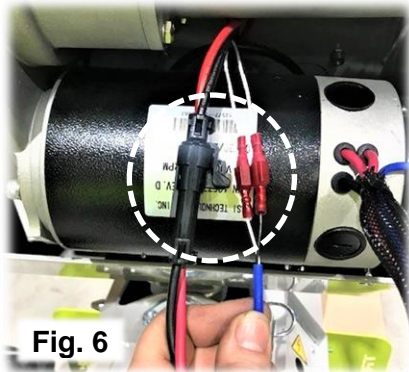
CAUTION: Care must be taken when lifting the machine. Proper manual handling techniques must be employed when lifting heavy loads. If possible, use mechanical aids to lift and support loads.



FRONT AXLE REMOVAL & REPLACEMENT

3

- 6) Disconnect the brake plug and the transaxle plug Ref. Fig. 6
- 7) Remove axle retainers by removing the M10 Binx nuts with a 17mm socket, and extract the U-bolt. *Note the position of the clamping plate for re-fitting.* Ref. Fig. 7



4

- 8) Carefully remove the axle from the chassis. If the Transaxle is difficult to remove, use a soft headed mallet to tap the Transaxle on alternative hubs until Transaxle becomes free. Ref. Fig. 8
- 9) Lift Transaxle free from chassis and place in suitable area. Ref. Fig. 9

CAUTION: Care must be taken when removing transaxle as units are heavy. Make sure that proper manual handling techniques are employed when lifting and carrying units, if possible use mechanical aids to lift and move units.



FRONT AXLE REMOVAL & REPLACEMENT

5

10) Take new Transaxle and position it into the front chassis with the motor pointing downward and the Transaxle Serial Plate facing away from the machine. Slide the transaxle into the chassis all the way, use the soft headed mallet on alternative ends of the Transaxle if it is difficult to get in. Ref. Fig. 10

NOTE: Use a little silicone spray on the rubbers to help slide the Transaxle in. Caution must be taken if using other forms of lubricant as this may damage the rubbers.

If using a mallet then use light taps, do not use excessive force.

CAUTION: Be aware of pinch hazards when refitting axle.



Fig. 10

6

11) Refit the retaining plates and bolts. Ref. Fig. 11

12) Make sure that plate cutouts sit behind the locations. Tighten the M10 Binx nuts up to a torque of 35Nm. Ref. Fig. 12

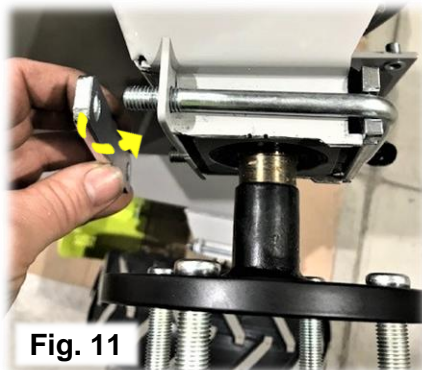


Fig. 11

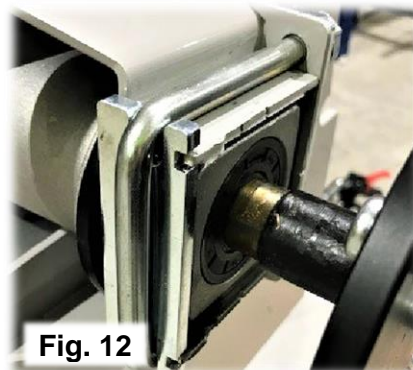


Fig. 12

FRONT AXLE REMOVAL & REPLACEMENT

7

13) Reconnect motor and brake plugs. Ref. Fig. 13

14) Re-fit skid plate. Ref. Fig. 14

15) Re-fit wheels, secure with wheel nuts. Ref. Fig. 15



8

16) Carefully lower the machine back onto the floor and torque the wheel nuts up to 55Nm. Remove the gimbal lock from the horizontal lock position to the vertical unlocked position and set steering handles to desired height. Ref. Fig. 16

Machine is now ready to operate.

CAUTION: Care must be taken when lifting machine down. Proper manual handling techniques must be employed when handling heavy loads. If possible use mechanical aids when handling heavy loads.

