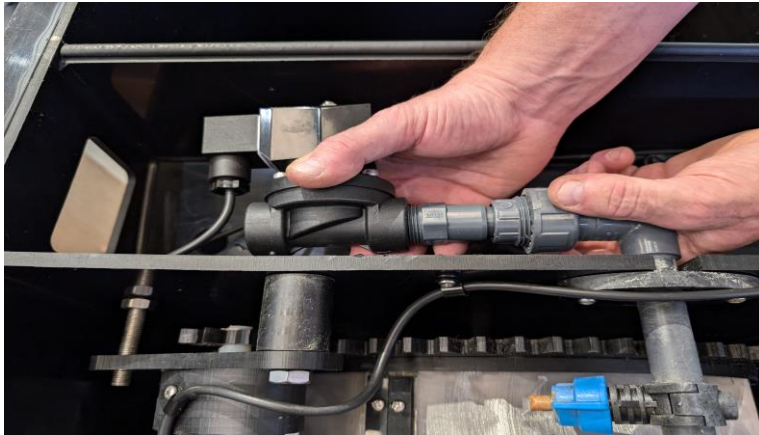


External motor conversion

1. Undo the water valve and move to one side.



2. Remove the motor wiring from the junction box. Undo and remove the original motor. Undo and remove the rest bolt securing nut, leaving this -



3. Place supplied template over the bolts, with the arrow pointing upward and the markings all facing the drum



4. Drill a 5mm pilot hole through the hole in the template marked with the ring



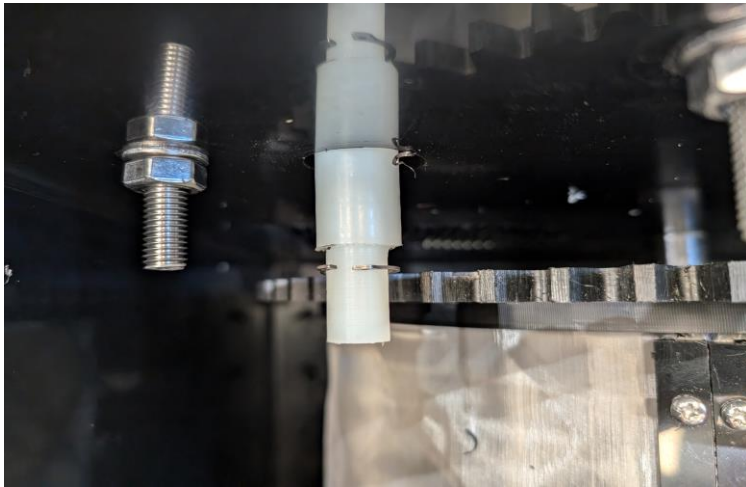
5. Remove the template and the old bolts, then open this hole up to 30mm with a cone drill



6. Install the motor unit using the 2 x 50mm bolts provided and secure on the inside with the M10 bolts and washers in the kit. There will be movement of the bracket in relation to the bottom bolt. Always push the motor and bracket upwards and then tighten.



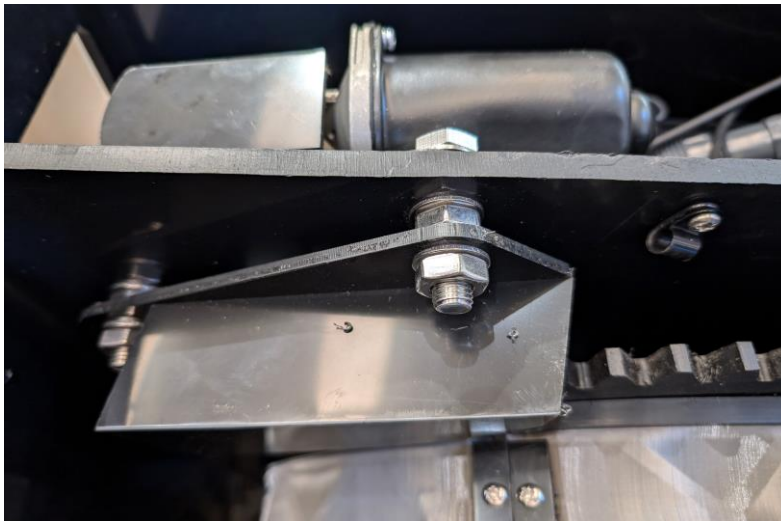
7. Place first circlip inline with the back of the main drum cog



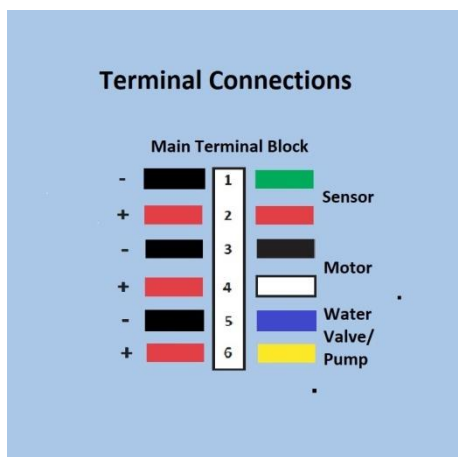
8. Push small drive cog over the shaft, aligning the flat on the shaft with the internal cog hole and secure using the second circlip



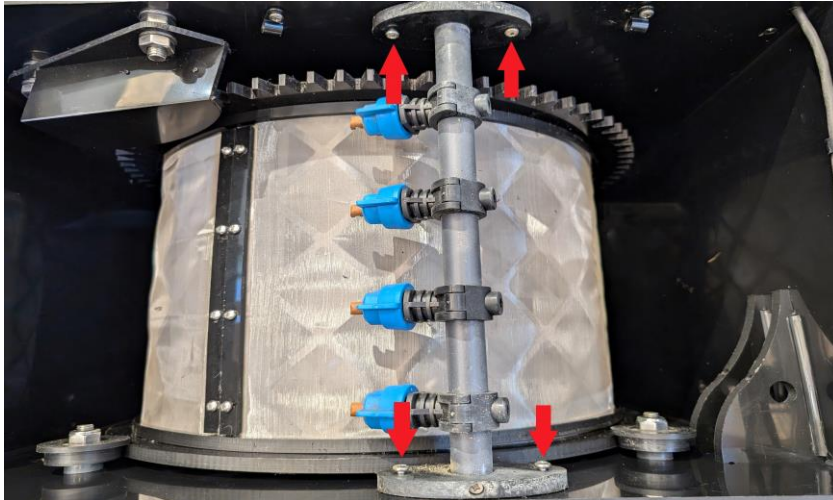
9. Fit finger guard using a washer either side of the guard and secure it with the final 2 M10 nuts provided. It is best attached by putting it over the bottom bolt first and swinging it down to the upper bolt



10. Attach motor wires to terminals 3 (black) and 4 (red) in the junction box, where the old wires were removed from.



11. Remove the spraybar by undoing the 4 self tappers holding the brackets at either end. Keep hold of the screws.



12. Cut off the end of the spraybar, as close to the 90 degree fitting as possible, then clean out the end, making sure to remove any swarf and slimy debris within the end of the tube



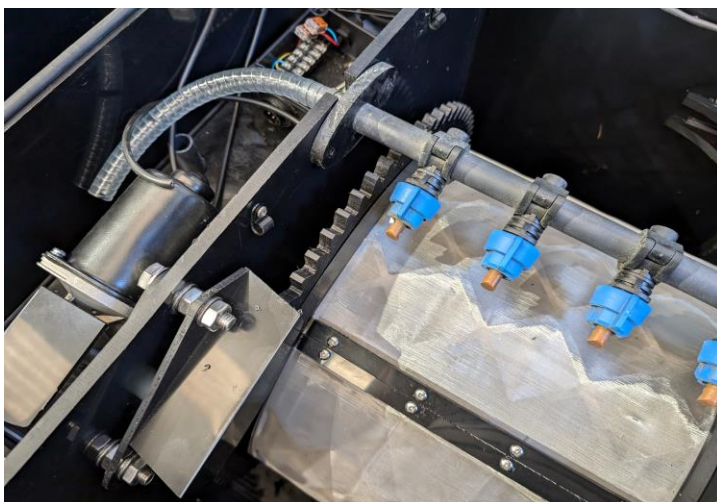
13. Glue the double ended pipe fitting into the end of the spraybar



14. Fit the short length of flexible hose over the pipe fitting spigot



15. Reinstall the spraybar, reusing the screws saved earlier.

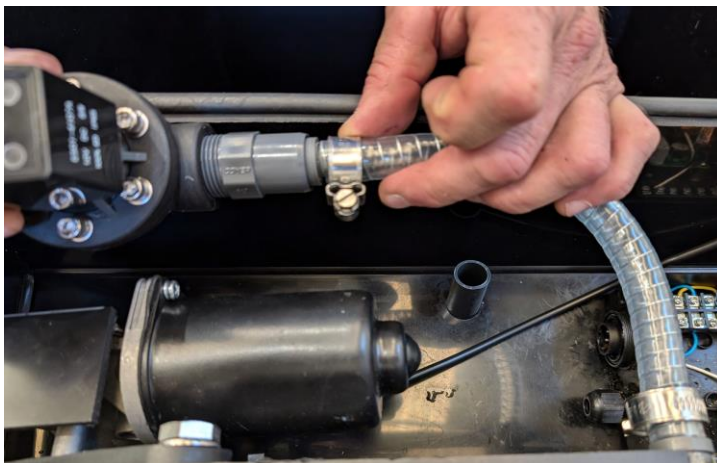


16. Install valve cradle so that the middle of the cradle aligns with the “endplate” of the motor. On Solum units, cradle should be directly under the motor. Drill 2 x 3mm holes through the mounting holes in the cradle and attach with the 2 x 9mm self tappers provided



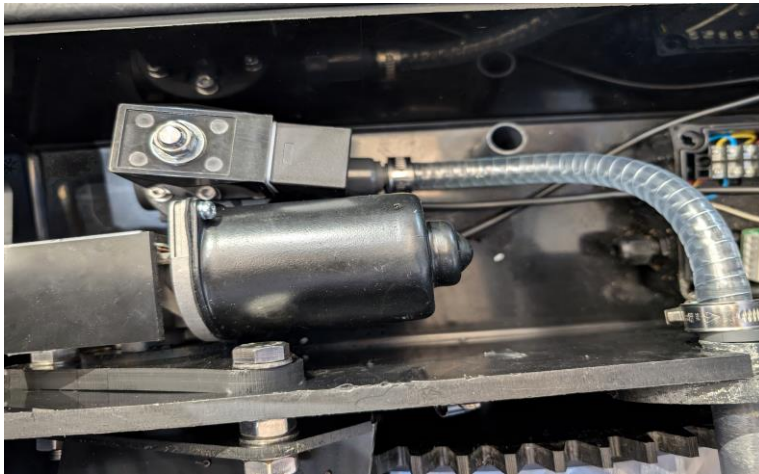
17. Place 2 x jubilee clips onto flexible hose

18. Install new pipe fitting into end of the valve that was attached to the spraybar and position jubilee clips at each end and tighten

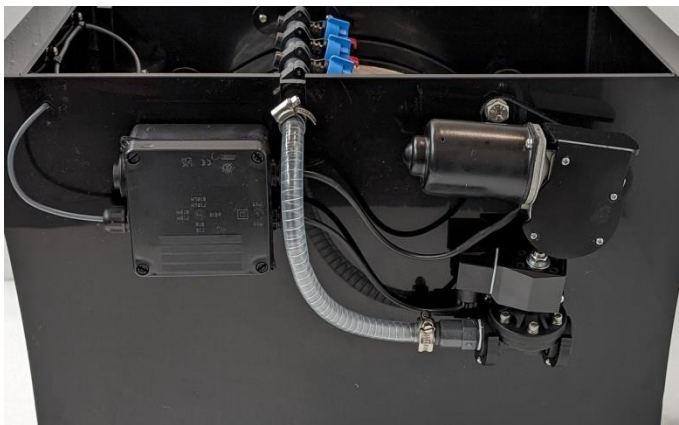


19. Place valve in cradle and re attach water supply

Combi System finished install



Solum system finished install



20. Start drum up and press manual wash and check for smooth rotation and also listen to make sure the water valve clicks and no wiring connections have been disturbed.