

Scorpion Arm removal procedure

- 1. Disconnect all Power and Pneumatic services to Scorpion Plate stacker.
- 2. Remove outer cover (refer to cover removal procedure)
- 3. Remove arm front covers



4. Disconnect pneumatic tubing from gripper assembly



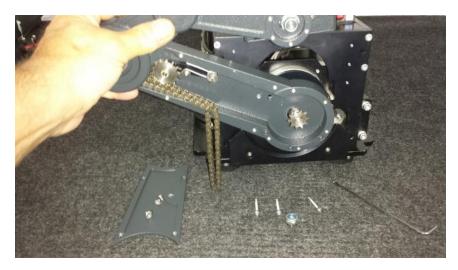
5. Using the 13mm socket and ratchet bar supplied loosen & remove 8mm nut retaining the gripper assembly.





Scorpion Arm Removal procedure

- 6. Using the 13mm socket and ratchet bar supplied loosen & remove central 8mm nut.
- 7. Remove m3 x 20 screws that retain arm to main assembly



- 8. Push Chain tension device back against spring to temporarily release chain tension
- 9. Withdraw arm and remove chain from centre chain wheel
- 10. Remove centre chain wheel, and carefully detach arm from main gearbox assembly



11. Reverse arm to gain access to rear covers.





Scorpion Arm Removal procedure

- 12. Remove rear covers, NOTE; position of pneumatic piping for gripper arms (a third pneumatic pipe is supplied for a lid lift vacuum facility option (normally isolated))
- 13. The 'elbow' rotation joint of the arm can be disassembled by removing the central connection bolt from 'elbow' joint and separating the two parts,



- 14. Ensure the small central thrust bearing under the central bolt is retained and replaced in the correct order.
- 15. Note the quantity and orientation of thrust bearing and support plates





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- 16. Remove elbow joint chain sprocket (6 screws) to enable access to elbow joint large thrust bearing.
- 17. Remove large thrust bearing and outer support plates



18. The central needle roller bearing of the elbow joint has been pressed into the machined housing; this cannot be removed by hand.

This bearing can only be removed by the use of a press tool to gently press out the bearing from its retaining bore.

