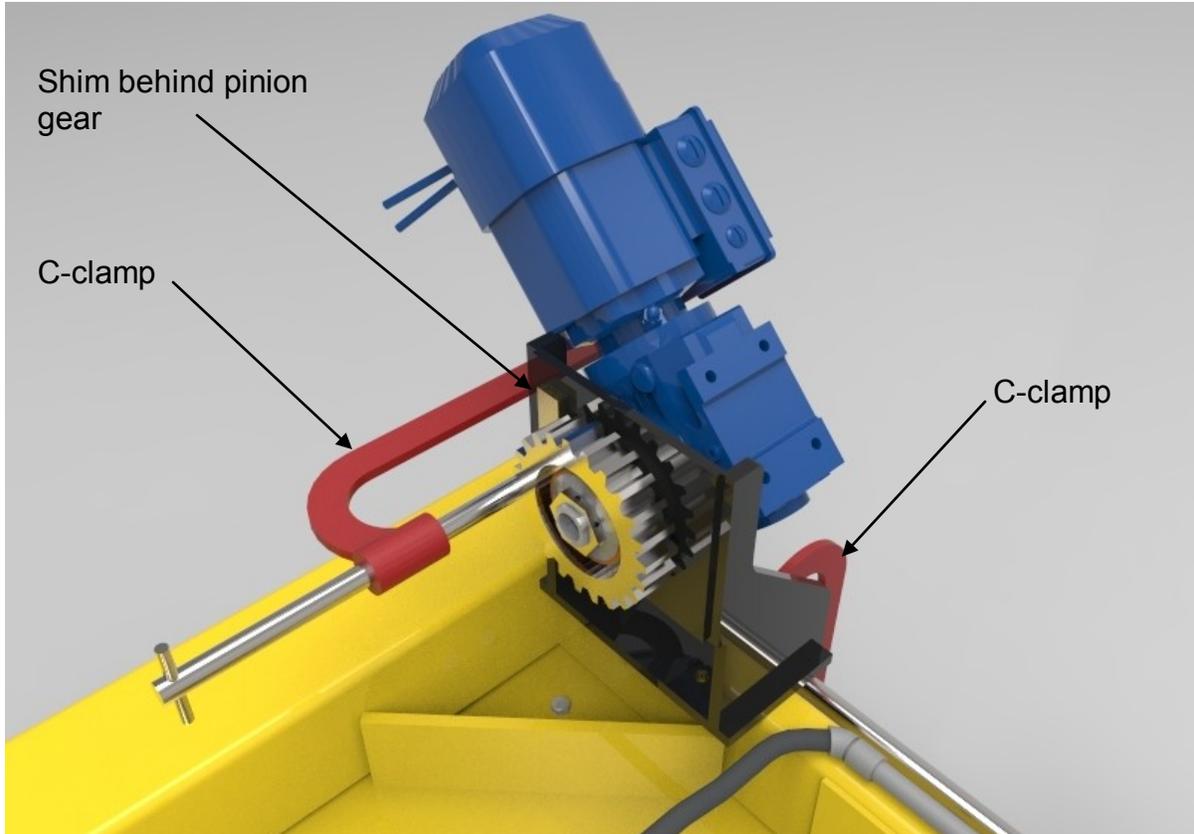
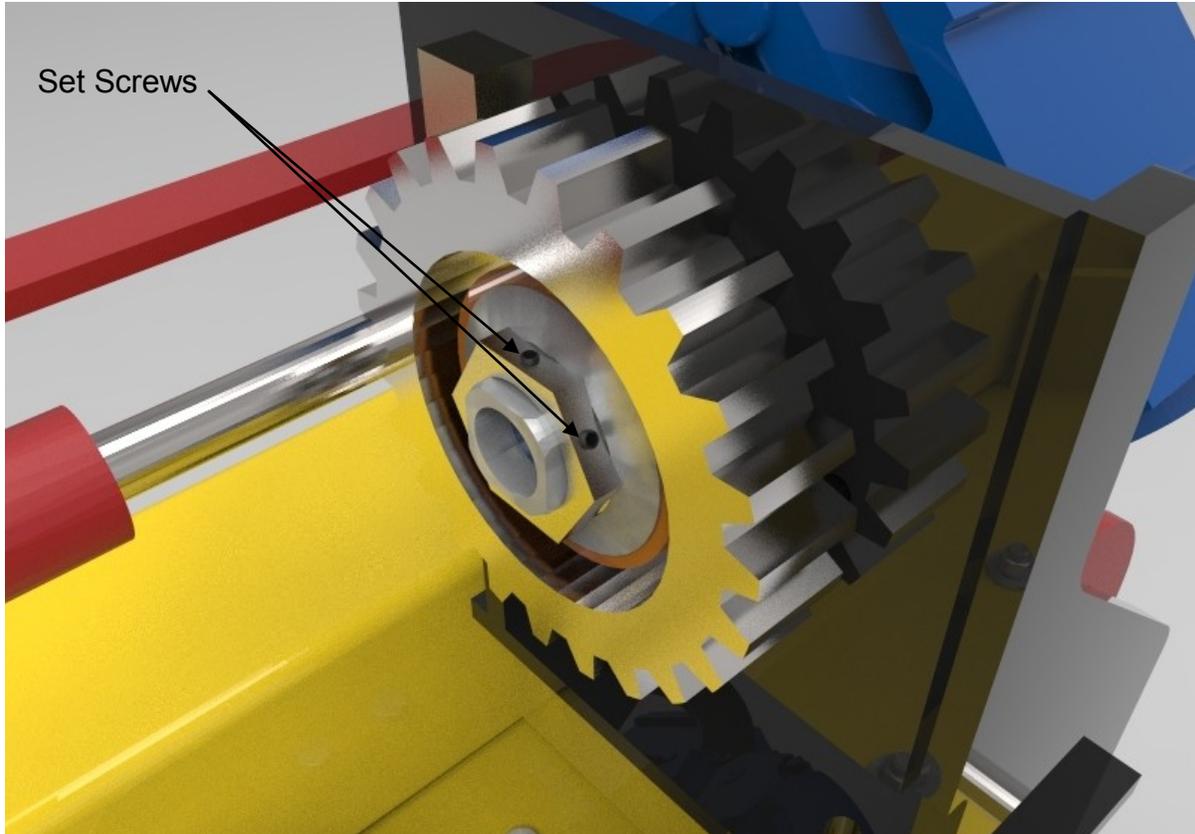


Rotation Overload Device Adjustment

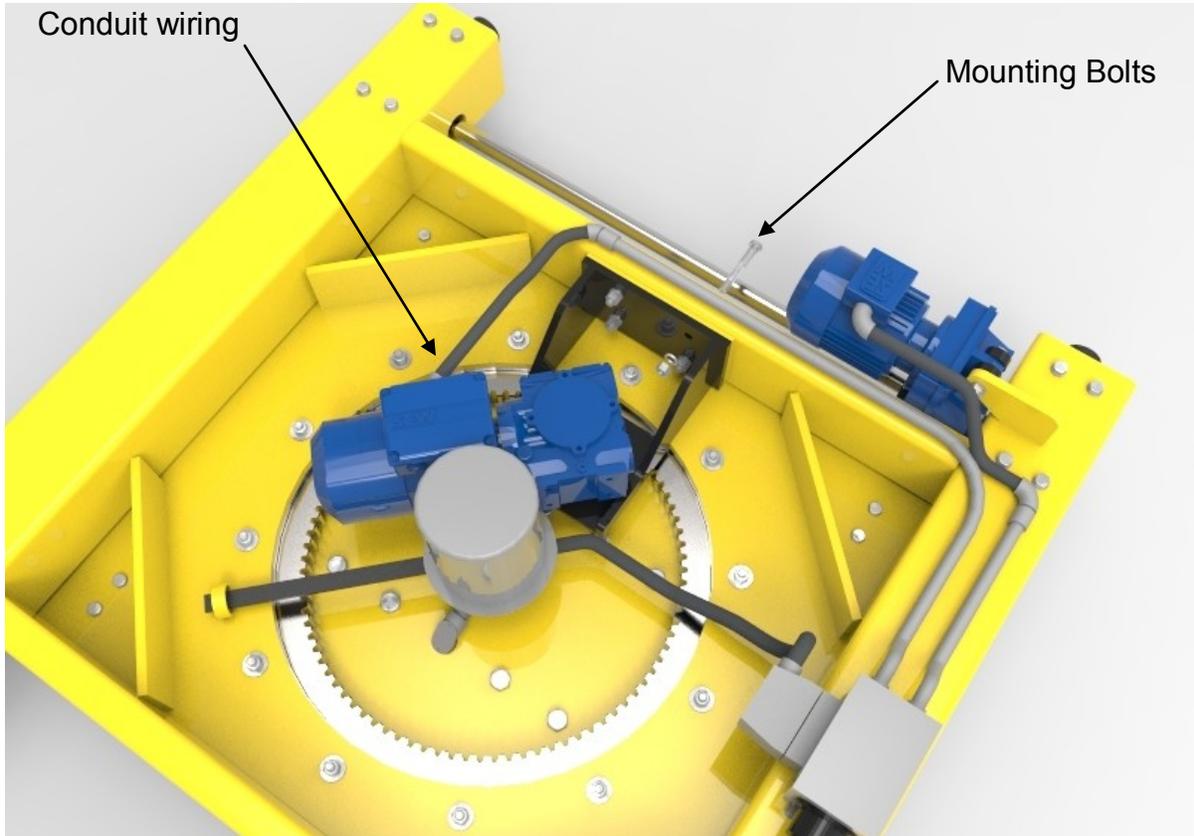
- 1) Turn the power off on the stacker crane using the main disconnect.
- 2) On the top side of the trolley, remove the four rotation drive mounting bolts (shown above).
- 3) Remove the wiring from the drive, make sure to write down how the wires are assembled to the terminals inside the terminal box.



- 4) After removing the mounting hardware and wiring, flip the drive unit up to expose the pinion gear and overload device. You will need to clamp the drive unit in this position using c-clamps.
- 5) You will also need to place a c-clamp on the pinion gear to prevent the pinion gear from rotating when tightening the overload device. To prevent damage to the gearbox output shaft you will need to place a shim between the drive mounting plate and the pinion gear before clamping the pinion gear in place.



- 6) Using a 1/8" or 3mm allen wrench, loosen the two set screws located on the large hex nut (shown above).
- 7) Using a 2-1/8" socket or an 18" pipe wrench, tighten the nut one half turn on the overload device. Do not flatten the spring washer or you will permanently damage the spring washer.
- 8) After tightening the nut on the overload device, using a 1/8" or 3mm allen wrench, tighten the two set screws located on the large nut (shown above).



- 9) Remove all clamps and install the drive unit using the four mounting bolts shown above. Re-install the motor wires making sure to follow the sketch you made before removing the wires.
- 10) Make sure the equipment is clear of all tools and loose objects. Then turn the power back on using the main disconnect switch.
- 11) Test the rotation under normal loading operation before putting the unit back into service.