



S0032 Removing Bottom Arm in the Service Workshop

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Before removing Bottom Arm, you will need to complete S0029 Removing Top Arm Cylinder

For location of pins, refer to S0028 Crane Pin Names.

Equipment:

- Cradle
- Lifting Strop of Lifting Chains
- Overhead Crane
- Pin Puller

How to Remove Bottom Arm:

- Raise bottom arm up until the C-pin is clear enough of the bash plate to be removed.
- Place a cradle between the bottom of the bottom arm cylinder and the module base, this will create a pivot point once the A-pin is removed.
- Remove the retaining bolts/circlip that retain the A-Pin and B-Pin.
- Connect strop or lifting chains through top arm to bottom arm pivot point, connect further strop or lifting chains through the bore that the top arm cylinder mounts through.
- With overhead crane or similar lifting equipment take the weight of the bottom arm.
- Remove wires for pressure sensors, angle sensors and night lights (if fitted).



Label all cables (pressure, bottom arm angle, top arm angle and lights) This will make it easier to replace them in the correct positions

- Pull top arm hydraulic hoses, sensor cables and night light wiring back down and out of cavity in the bottom arm.
- With bottom arm weight taken on crane, carefully remove A-Pin with a pin puller. Take note of where bottom arm pin shims are so these can be returned after repairs. Bottom arm will now pivot on the bottom arm cylinder. **NOTE:** Ensure that the bottom arm is suspended close to the point of balance.
- Carefully remove the B-Pin with a pin puller.
- Remove bottom arm and clean and place on tressels ready for repair/maintenance.

Reverse the procedure to refit, take note of shim position when refitting.