

Pre-Delivery Inspections



TRACTOR MOUNTED ROTAVATORS AND FLAIL MOWER

Covering HOWARD ROTAVATOR models ROTACADET, P, HA, E, Rotaspikes, S, M, ST, also the UNDERBUSTER, Rotacaster and Flail Mower.

Adjustments, tyre pressures, torque settings etc., may be found in the relevant machine operators handbook.

1. Check the safety clutch setting (except Flail Mower).
2. Check that the sliding section of the main drive shaft has been greased.
3. Check that the following grease points have been lubricated:—
Main drive shaft U/J bearings.
Rotor stub axle bearing.
Depth control wheel bearings (where applicable).
Crumble roller bearings (where applicable).
4. Check the oil level in the gearbox.
5. Check the oil level in the chain/gear case.
NOTE: Rotacadet and Flail Mower chain cases are grease filled.
6. Check all frame bolts are tight.
7. Check (at random) that blade bolts and rotor end flange bolts are tight.
8. Check that the following pivot points have been oiled:—
Trailing board spring damper pivots and sliding rod(s).
Depth control skid (where applicable).
Depth limit skid (where applicable).
Shield hinges.
9. Check over the general condition of the paintwork, and ensure that all transfers, warning labels and safety guards are fitted.
10. **UNDERBUSTER models only** - additional to checks 1 – 9.
 - (a) Check that the toolbar and tine clamp bolts are tight.
 - (b) Check that the tine cover hinges have been oiled.
11. **Rotacaster model only** - additional to checks 1 – 9.
 - (a) Check that the following grease points have been lubricated:—
Seeder gearbox drive shaft and gears.
Crumble roller height adjustment screw assemblies.
 - (b) Check that the following pivot points have been oiled:—
Agitator operating mechanism.
Hopper lid hinges.
Blanking plate grooves.
Seed gate lever pivot.

HOWARD BIGBALER.

Adjustments, tyre pressures, torque settings etc., may be found in the Bigbaler operators handbook.

1. Check the gearbox oil level.
2. Ensure that all tufnol bushes have been oiled.
3. Check that all grease points have been lubricated.
4. Check that the wheel nuts are tight.
5. Check that the tyre pressures are correct.
6. Check the bale pressure gauge and pipe line.
7. Check that the over-run clutches on both the pick-up reel and the main drive shaft operate correctly
8. Check that the main slip clutch setting is correct.
9. Ensure that the main drive shaft guard safety chain is fitted.
10. Ensure that the pick-up reel transport lever functions properly.
11. Check that the twine slide is polished and free from paint.
12. Check that the needle cage cranked links are adjusted correctly.
13. Check, and adjust if necessary, the needle path into and position within the knotters.
14. Check the timing of the knotter cycle to packing finger movement.
15. Check that the needles do not foul the packing fingers as they retract.
16. Ensure that the tailgate spring(s) have been fitted.
17. Ensure that the tailgate opening is correctly timed to knotting cycle.
18. Ensure that the tailgate catches open and close correctly, and that the tailgate indicators are functioning.
19. Load the twine box and thread twine through the correct route to needles and then to knotters.
20. Run the machine for a visual and audible check.
21. Trip one knotting cycle to place twine into the knotters, and to test that the knotter trip system and once over mechanism function properly.
22. Check that the bale counter functions correctly.
23. Check that the drawbar jack is in position.
24. Finally check over the finish of the machine, and ensure that all transfers, warning labels and safety guards are in position.

HOWARD ROTASPREADER*

Covering HOWARD ROTASPREADER models SPR 100, SPR 150, SPR 250 and Forage Feeder kits, FFK 150 and FFK 250.

Adjustments, tyre pressures, torque settings etc., may be found in the relevant machine operators handbook.

1. Check that the sliding section of the main drive shaft has been greased.
2. Check that the following grease points have been lubricated:—
Main drive shaft U/J bearings.
Lower drive bearing housing.
Flail tube front bearing.
Flail tube rear bearing.
Wheel hub bearings.
3. Check that the following pivot points have been oiled:—
Drive chain cover securing wing nuts.
Top cover hinges.
Top cover operating handle mechanism.
4. Check (at random) that the flail chain clevis bolts are tight.
5. Check wheel nuts are tight.
6. Check that tyres are inflated to correct pressure.
7. Check that the brakes are correctly adjusted (SPR 250 only).
8. Check all other nuts and bolts are tight.
9. Check over the general condition of the paintwork, and ensure that all transfers, warning labels and safety guards are fitted.
10. **FFK models only** - additional to checks 1 – 9.
Check that the roller front and rear bearings have been greased.
Check that the drum cover extension hinges have been oiled.
Check that the drive belt tension is correct.

HAND CONTROLLED ROTAVATORS

Covering HOWARD ROTAVATOR models H220, H350, GEM*.

Adjustments, tyre pressures, torque settings etc., may be found in the relevant machine operators handbook.

1. Check oil level in engine sump.
2. Check oil level in air cleaner
3. Check that all pivot points have been oiled.
4. Check that tyres are inflated to correct pressure (except H220 model).
5. Check oil level in gearbox/transmission.
6. Check oil level in side drive chain case (GEM model only).
7. Check drive chain tension (except H220 model).
8. Check blade bolts are tight.
9. Check drive belt tension is correct (H350 model only).
10. Check over the general condition of the paintwork, and ensure that all transfers and warning labels have been fitted.

HOWARD ROTAPLANTER

Covering the HOWARD Rotaplanter and fertiliser attachment.

Adjustments, tyre pressure, torque settings etc, may be found in the Rotaplanter operators handbook.

1. Check that the following grease points have been lubricated:—
Depth control screws.
Primary drive chain and sprockets.
Transmission via grease nipples provided.
2. Check that the following points have been oiled:—
All pivot points and hinges.
Pintle roller handle cable and linkage.
Drive chain tension screw.
Pintle roller free wheel.
Belt tension adjuster screws.
Floating top link pivot.
3. Check gearbox oil level.
4. Check tyres are inflated to correct pressure and that wheel nuts are tight.
5. Check all nuts and bolts are tight.
6. Check over the general condition of the paintwork, and ensure that all transfers are fitted.
7. **Fertiliser unit models only** - additional to checks 1 – 6
 - a) Check that the following grease points have been lubricated:—
Fertiliser drive chain.
Fertiliser drive shaft bearing.
Distributor shaft bearings.
 - b) Check that the distributor slides have been oiled.



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