

Johnston Maintenance Guide

V Series Single Engine 501/651/801

Daily Maintenance – This can be carried out by a suitably trained operator.

Check the following items: -

1. Oil level in hydraulic reservoir – top up if required.
2. Oil cooler radiator is not obstructed.
3. Chassis engine air cleaner – service when shown by restriction indicator.
4. Mesh screens in body are clean and fitted correctly.
5. Centre baffle is in position – duals only.
6. Mechanical damage to brush gear and report damage to supervisor.
7. Brushes for adjustment and wear – adjust or replace as required.
8. Spray jets for correct operation – clean if necessary.
9. Oil/water/fuel leakages.
10. Chassis items as recommended in chassis manufacturer's handbook.

Weekly Maintenance - This can be carried out by a suitably trained operator.

Attend to/check the following:-

1. Oil level in 'HYDRODRIVE' gearbox – top up if required
2. Powapak bay is clean of oil etc.
3. Suction fan impeller, wear plates and intake flap for wear, renew if necessary.
4. Routing of electric and hydraulic services for chafing.
5. Lubricate all grease points
6. Water pump suction filters.
7. Oil level and condition in Supawash pump if fitted.

50 Hour Service – To be carried out by workshop personnel.

Attend to/check the following:-

1. Change hydro-drive gearbox oil.
2. Renew transmission pump filter.
3. Drain and refill Supawash pump if fitted.

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Service A – Every 500 Hours – To be carried out by workshop personnel.

1. Renew transmission pump filter.
2. Clean duct in body roof.
3. Check Supawash pump (if fitted) for the correct operation of jets and any plunger seal leaks.
Service as necessary.

Service B – Every 1000 Hours – To be carried out by workshop personnel.

1. Carry out 500 hour service: plus:-
2. Renew hydraulic return filter element.
3. Renew water pump suction filters.
4. Change oil in 'HYDRODRIVE' gearbox.
5. Carry out a visual inspection for the security of body mounts, pivot pins and equipment. –
Ensure torque identification marks are aligned – re-torque as required (See torque chart in maintenance manual)

Service C – Every 2000 Hours – To be carried out by workshop personnel.

1. Carry out 1000 hour service: plus:-
2. Drain and refill hydraulic reservoir.
3. Clean suction filter and refill hydraulic reservoir.
4. Drain and refill Supawash pump if fitted.