



RHGSE Maintenance Tasks

Visit our website our member's only site, <http://members.zephyrintl.com/> for demo video clips of these maintenance tasks.

Daily (or every time RHGSE is used)

- Check 24 voltage across batteries while RHGSE is running, if motor appears to be slow or displays blink. *(Hydraulic RHGSE only)*
- Plug in charger to charge the batteries after every use and when being storage. *(Hydraulic RHGSE only)*
- Check alignment of exit roller and pressure roller to cable groove. *(All RHGSE)*
- Always store RHGSE in dry location. *(All RHGSE)*

Monthly (estimated depends on usage)

- Quick check of rotatub slip clutch with spring scale. *(All RHGSE)*
- Oil capstan chain by adding a few drops of MIL-L23699 oil on the upper capstan chain through the small hole in the upright bracket base. *(All RHGSE)*

Annually:

- Lubricating rotatub clutch / adjustable platen. (only applies to All RHGSE without the Delrin slip pads)
- Check electrical power connections. Torque values : *(Hydraulic RHGSE only)*
Battery terminal stud nut 132 in./lbs. pinch nut 120 in./lbs, Motor 132 in./lbs ,
Battery Switch and Receptacle Assembly 120 in./lbs
- Wheels' fittings on the two (2) swiveling casters should be lubricated on a annually basis with MIL-PRF 81322 grease. *(All RHGSE)*
- Adjust drum drive belt and vertical belt to obtain approx. 1/16" deflection at the mid-point using 2lbs force. *(All RHGSE)*
- Adjusting the Load Indication Display. *(All RHGSE)*

On Condition

- Change Lubridryer pads as required during water wash or on condition. *(All RHGSE)*
- Rotatub clutch adjustment using the torque watch to adjust the platen is a more precise method but a spring scale may be used if torque watch is not available. *(All RHGSE)*
- Measure capstans using calipers or the Zephyr capstan measuring tool.
 - If capstans are worn replace. Capstans have a 5 year shelf life replace after 5 years of date of manufacture. *(All RHGSE)*,
- Replace exit roller and encoder drive wheel of the MagSens *(if applicable)* when worn.
 - They have a 5 year shelf life replace after 5 years of date of manufacture *(All RHGSE)*
- Replace Lubridryer bushings and MagSens bushings *(if applicable)* when worn. *(All RHGSE)*
- After a salt water mission the cable should be washed with fresh water, then proceed to wash the Zephyr RHGSE avoiding the displays. Use shop compressed air (up to 30 psi) to blow off any water remaining on the RHGSE or towel dry. *(All RHGSE)*
- Change the hydraulic fluid filter, when it shows the change filter indication. *(Hydraulic RHGSE only)*
- Replace main batteries every 3-4 years, or if either battery drops below 12 V with the charger disconnected and when in use *(Hydraulic RHGSE only)*
- Adjust the chain for tension. *(All RHGSE)*

Visit our website <http://members.zephyrintl.com/> to sign up. There are no costs involved. You will have access to training videos, training presentations, service bulletins, spare parts list, quick start guides, the latest manual revision. Just create a user name and password. Once you are logged in you can go to "Product Info" and choose the equipment you would like more information on. These training videos can help with recurring training.