

## Electric Assist Choke System

**ELECTRIC ASSIST CHOKE SYSTEM****(RG 225 Engine)****CHOKE ASSEMBLY****To Remove**

Disconnect the battery.

Remove the rear engine cover inside the cab.

Disconnect the lucar connection from the choke assembly at the thermostatic control switch.

Disconnect the choke assembly linkage at the carburettor.

Remove the setscrew and washer securing the choke assembly to the exhaust manifold. Lift out assembly.

**To Refit**

Position the choke assembly on the exhaust manifold, ensuring the assembly tab locates in the manifold hole. Secure with setscrew and washer.

Connect the choke assembly linkage at the carburettor, ensuring the linkage moves freely.

Refit the lucar connection to the control switch.

Refit the rear engine cover.

Reconnect the battery.

**CONTROL SWITCH****To Remove**

Disconnect the battery.

Remove the rear engine cover inside the cab.

Disconnect the two lucar connections from the control switch.

Remove the setscrew and nut securing the control switch to the engine lifting bracket. Remove control switch.

**To Refit**

Position the control switch on the engine lifting bracket and secure with setscrew and nut.

Refit the two lucar connections to the control switch.

Refit the rear engine cover.

Reconnect the battery.

**TESTING PROCEDURES****Checking Control Switch and Circuitry**

Remove rear engine cover in cab.

Check test light by connecting between battery terminals.

Switch on the ignition.

Connect test light to ignition connection (white lead) of control switch and earth, light should illuminate. If light does not illuminate check ignition circuit.

Connect test light to choke assembly connection (black lead) of control switch and earth, light should not illuminate. If ambient temperature is high light may illuminate.

Start engine and allow to reach normal operating temperature.

Connect test light to choke assembly connection (black lead) of control switch and earth, light should illuminate. If test light does not illuminate, control switch is defective and should be renewed.

Providing the control switch is operative connect test light to the wire connection of the choke assembly, light should illuminate.

Switch off engine.



#### Checking Choke Heating Element

Disconnect the choke assembly connection (black lead) at the control switch.

Connect an ohm meter lead to the choke housing.

Touch the other meter lead to a bare portion of the choke wire. A meter reading of 4-12 ohms indicates heating element is electrically functional. Meter readings indicating an open or a short circuit are cause for installation of a new choke assembly.

Refit choke assembly connection and rear engine cover.