

RETARDER CONTROL SYSTEM DIAGNOSTICS

RETARDER SYSTEM NOT WORKING

- CHECK Ignition is ON
- CHECK ABS (if fitted) Alarm Light extinguished

Hand Control (if fitted)

- OVER-RIDE Standstill System (if fitted)
- OPERATE Hand Control

Foot Control (if fitted)

- CHECK Foot Control Isolating Switch
- OVER-RIDE Standstill System
- OPERATE Foot Brake Pedal

RELAY BOX CONTACTS CLOSING

- CHECK Retarder Current Draw

RETARDER CURRENT DRAW CORRECT

- CHECK Standstill System including:
- CHECK Speedswitch
- CHECK Minigenerator or Tacho output
- CHECK Minigenerator, Tacho or Speedo wiring
- CHECK CANBUS system, I/O units (if fitted)

- CONFIRM Telma Dash Light illuminates

RELAY BOX CONTACTS NOT CLOSING

- CHECK Control System Fuse - usually 5 amp
- CHECK Correct operation of Control Switches
- CHECK ABS/Retarder Control Relay
- CHECK Speedswitch/ABS Interface Unit
- CHECK Low power control system wiring

RELAY BOX CONTACTS CLOSING SLUGGISHLY

- CHECK Relay Box return springs condition
- CHECK Relay Box connections
- CHECK Relay Box earth condition
- CHECK Battery condition and connections
- CHECK Alternator charging rate

RELAY BOX CONTACTS "CHATTERING" OR WELDED TOGETHER

- CHECK Correct earthing of Relay Box
- CHECK Correct sizing of Relay Box earth wire
- REPLACE Contacts and Diodes if necessary