

OPERATING INSTRUCTIONS FOR 4WD DUTTON SURF (rotary selection transfer box) July 2015

BEFORE ENTERING WATER

- 1/ Check sufficient fuel
- 2/ Remove seat belts
- 3/ All occupants to wear life jackets
- 4/ Switch bilges to "AUTO"
- 5/ Check 3 bungs are screwed in

ENTERING WATER

There are 2 red warning lamps between the front seats. Ignore lamps if they just glow:-

- 0 light = 2WD
- 1 Bright lamp = 4WDH or neutral
- 2 Bright lamps = 4WDL

Approach water

Depress clutch and keep down

Very slowly engage red JET knob until it fully engages the jet. If the lever does not fully move back it indicates that the dogs are not lining up - when this happens lightly take foot off clutch to gently allow shaft to very slowly rotate the dog, keep light pressure on the red "knob" until it engages fully back

Roll/drive into water then:-

- Put gearbox into 3rd gear PETROL or 4th gear DIESEL
- When floating rotate black knob with yellow marker to N position, take foot off clutch
- Confirm transfer box is in neutral (speedo does not register)
- Use accelerator pedal to move
- NEVER exceed 2,800 rpm PETROL or 2000 rpm DIESEL in forward
- Use steering wheel to manoeuvre
- To reverse, put gearbox in reverse and 4WDH. Never exceed 3500 rpm in reverse
- Continually monitor water temp, bay temp gauge and the green "fan on" lamp
- If you are not in a hurry and in calm water then you can drive in 4th PETROL this is slower but quieter and more economic

LEAVING WATER

Approach land

With engine ticking over depress clutch and rotate knob to 2WD, 4WDH or 4WDL position depending on angle of slip and road surface

Put in 1st gear, take foot off clutch and drive out of water

- Change to 2WD when front wheels are still facing straight ahead
- Push red "knob" forward to dis-engage jet
- On level ground press bilge switches to "MAN" to pump out any excess water. Return to "AUTO"
- Check brakes, do not leave handbrake on until the brakes have fully dried out
- Remove life jackets
- Put on seat belts

REMEMBER: -

- Never move gearbox lever, red knob or rotary knob unless clutch is depressed and engine is on tick-over
- At all times when the ignition is on the green “fan on” lamp must be on, if it is not check that the fan is blowing. If fan has failed car may be driven carefully but do not allow temp gauges to exceed specified temperatures

BILGES

If bilge pumps start for no good reason - investigate

MAINTENANCE

Check for leaks, check bilge pumps work (you will hear pump working when switched to MAN and switch will light up) There are 3 bungs fitted to the underside of the hull, one either side of the outer sills in front of the rear wheels and one in the centre of the transom, occasionally remove these, if there is water - or in the case of the centre bung - fuel - check IMMEDIATELY