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Congratulations on purchasing the **650GRBC High Speed Retrieve geared reel**. This reel has been engineered with the no-nonsense simplicity the Alvey Reel is renowned for.

Being a 2:1 winding ratio you will achieve nearly a metre per turn recovery which is ideal for bait or lure spinning for pelagic fish such as Mackerel, Tuna, etc. As with any geared reel, when a load is applied by a fish to the angler, the pump and wind method for recovery of line is recommended. (Lift rod then wind

on line as you lower the rod, then repeat. This must be done at a rate not to create slack line.)

It should be remembered that fish do not always swim away from you, quite often a fish will run towards you to try and shake out the rig; with the high speed reel you can still have line pressure on the rig and the fish.

#### **Maintenance**

Because your high speed reel has considerably more working parts than your normal Alvey side cast reel, we do recommend a little more care is taken to keep sand particularly out of the reel where possible.

Light oil is better to lubricate the reel rather than grease, which tends to make sand stick to everything.

Flush the reel out in salt water when fishing to remove excess sand and when you get home, flush well in a bucket of water. Wind reel when flushing.

**To dismantle the reel**, loosen the lock nut (part 24) and slide away from the centre of the reel. Remove spindle screw and 'D' washer. (Part 1 and 2) This will allow the spool to be removed from the back plate.

To replace spool, slide spool back on to main spindle and slide lock nut (24) back toward the reel centre until you feel the gears engage. Lock lightly and try to wind the handle of the reel. If it is too tight, loosen lock nut slightly and tap outwards and lock again. Repeat this until the reel runs smoothly, then lock firmly.

To strip the reel completely, follow the exploded view.

**SPECIAL NOTE.** Refer to view from A. If the reel keeps tightening up and won't wind freely then the check that lock nut (Part no. 4) has not come loose or the distance between the lock nut and the stainless steel gear tube (Part no.13) is too close. There must always be a small amount of clearance between (part no.13) the gear tube and the

lock nut. Make sure both lock nuts are kept tight. (Loctite or super glue can be used on the threads to ensure this.)

After stripping and cleaning, re-assemble as per the exploded view. Lubricate with light oil where oilcans are shown and on any moving parts. The main shaft can also be greased after assembly or any time by the use of the grease cap, (part 36) or oil down front end of spindle. (Remove part 1 & 2 to make easier) This should be done regularly.

Clutch washers are a special material that does not need a lubricant to work smoothly and these are not affected by water.

**NOTE - DO NOT USE** heavy grease on gears or exposed parts inside the back plate as they will hold sand and cause excessive wear or malfunction of your reel.

## MODEL 650GRBC

KEY	DESCRIPTION	PART No		KEY	DESCRIPTION	PART No
1	SPINDLE SCREW ASSEMBLY	R6E4		19	IDLER GEAR ASSEMBLY	R8A1
2	SPINDLE D WASHER	R6D2		20	BRASS SHIM WASHER	R8B2
3	SPINDLE SPRING	R6C5		21	GEAR SPACER BUSH	R8B1
4	HANDLE PLATE LOCK NUT	R7F2		22	BACK PLATE ASSEMBLY	R1A
5	HANDLE PLATE	R7E16		23	STAINLESS STEEL SLIDE WASHER	R8C1
6	HAND WHEEL	R7D8		24	IDLER SHAFT LOCK NUT	D4G RM
7	PLUG	R4H2		25	DRAG PAWL	R7J7
8	HANDLE SCREW	R4E9		26	DRAG PAWL SPRING	R5G5
9	HANDLE	R4D5		27	DRAG ACTIVATOR BAR	R5C5
10	HANDLE SCREW LOCK NUT	R4G2		28	SCREW AND WASHER	R5C5
11	CLUTCH ASS. FIBRE AND METAL	R7B/C10		29	DRAG LEVER ASSEMBLY	R7K4
12	SPOOL (WITHOUT FITTINGS)	R4A		30	BASE BOLT	R2D2
13	GEAR TUBE AND GEAR ASSEMBLY	R8A3		31	BASE ASSEMBLY	R2A2
14	FIBRE WASHER	R7H3		32	BASE WASHER	R2L1
15	FRICTION TUBE AND GEAR ASSEMBLY	R8A2		33	BASE BOLT NUT	R2F1
16	SPINDLE	R6A25		34	BASE LEVER AND RIVET	R2H2
17	FIBRE WASHERS (2)	R6J8		35	SPANNER	D7H RM
18	IDLER GEAR SHAFT	R8B3				

## Recommended Surf Rigs

Swivel Sizes	
Line breaking strain	Swivel size
1 – 5 kg	No 14
5 – 8 kg	No 12
8 – 15 kg	No 10
15 – 20 kg	No 9

