



## Instructions to fit the Gigglepin Motor Brake Kit to a winch top housing.

Tools/equipment needed - Ball ended 3/16 allen key  
5mm allen key  
Copper slip (or anti seize compound)

Firstly, if motors are currently fitted to your top housing, remove them and clean off mating face, while exposed check the condition of the input bearing – replace if necessary. (Bearing Part No – 8316 )



Install supplied motor gasket to top housing.





Lubricate the long end of the drive shaft with copper slip and insert into the top housing.



Slide the gear shaft onto the installed drive shaft, with the gear teeth closest to the top housing.





Next install the brake housing, put a little copper slip on the two bolts, ensuring the gear teeth engage with brake disc, the locating peg lines up with the hole in both the motor gasket and your top housing, tighten the two mounting bolts with a ball ended 3/16 allen key.



The next step is to install the end cap, with the air fitting on the top, fit the 4 x M6 cap head bolts and schnoor washers, using a little copper slip on the threads, tighten with a 5mm allen key.





The last thing to fit is the Motor Gasket on the rear of the brake assembly, ready to install your motor.



The motor can be installed in the same way as you would install it to a top housing.

If fitting to a twin motor top housing the install of the second brake assembly is a repeat of the above Air and electric fitting.

For single motor winches mount the air solenoid and relay to the rear of your motor using one of the mounting holes, it can be fitted behind or to the frontside of the motor.

Cutting the blue pipe (supplied) to length install to the brake assembly air fitting and down to the outlet on the air solenoid – below the relay, the red and green wires connect to the in and out terminals on your solenoid the black wire ring terminal to the earth connection on the bottom of the motor, the black spade connection goes onto the earth connection of the solenoid,

The red, green and brown wires that are un terminated, the red and green are the winch in and winch out wires and will need switch positive supply the brown wire enables the brake assembly, again through a switched positive supply, - no positive feed the brake will not operate, positive feed and the air solenoid will operate the brake autonomously

For twin Motor winches fitting is almost the same, the air solenoid can be mounted between the two motors, the wiring is the same, bar the extra flag terminals for the second solenoid, the air pipe is fed again from the fitting below the relay on the air solenoid, and then this feed a the "T" 6 x 6 x 6 air fitting, with a feed from either side of the "T" connecting to the air fitting on top of each Motor Brake.

If you need any further information please call us on 01732 463600.