



# RACEPRO MARKETING LTD.

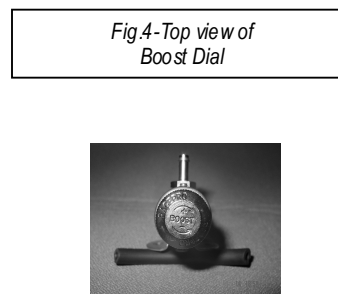
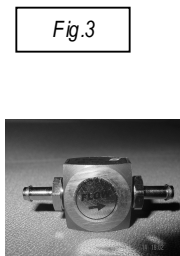
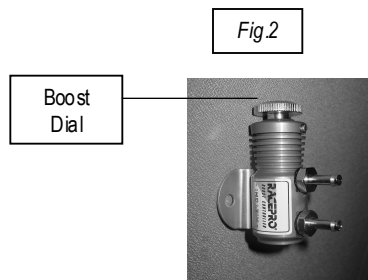
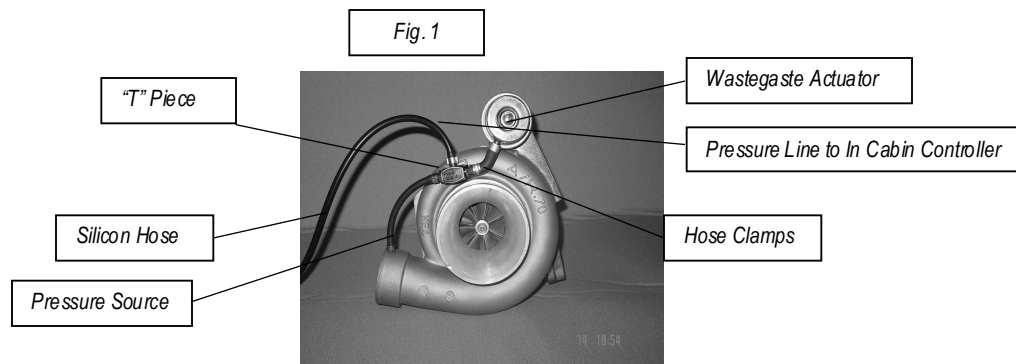
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Part Number  
RAC-BC-ICG

Thankyou for purchasing another quality Racepro product.

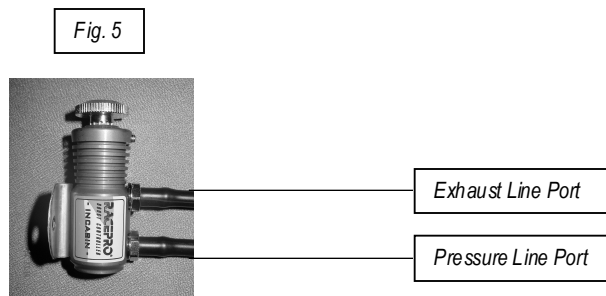
## PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE INSTALLATION

- Racepro Marketing Limited recommends that your In Cabin Gated Boost Controller be fitted by a professional in a tradesman like manner.
- The Racepro In Cabin Gated Boost Controller should be positioned so that it is shielded from heat; positioned with a minimum of 100mm from the exhaust turbine housing or exhaust manifold.
- Only silicon hose or supplied hose should be used when fitting RAC-BC-ICG, to prevent over boosting and hence engine damage, caused by deterioration of other types of hose from heat.
- Hose connections should be secured with hose clamps and the hose should be clean & debris free.
- Install the Racepro In Cabin Gated Boost Controller "T" piece between the pressure source & the wastegate actuator. The hose lengths need to be kept to a minimum. (See Fig.1).
- Make sure the flow arrow (SEE Fig.3) on the underside of the Racepro In Cabin Gated Boost Controller "T" piece points towards the wastegate actuator.
- See Fig.4- To increase boost pressure, turn the boost dial in a clockwise direction. To decrease boost pressure, turn the boost dial in an anti-clockwise direction.
- Boost set beyond your engines capability may result in engine damage.



## FITTING YOUR RACEPRO IN CABIN BOOST CONTROLLER

- Feed the pressure line from the "T" piece into the cabin area, close to where the In Cabin Controller will be mounted.
- Fit the pressure hose to the pressure line port of the In Cabin Controller (SEE Fig.5)
- Fit exhaust hose to exhaust port of the In Cabin Controller (SEE Fig.5) and feed exhaust line through to the engine bay.
- Mount the In Cabin Controller in chosen position using supplied self tapping screws.



## SETTING BOOST PRESSURE

1. Before making any adjustment to the boost level, the boost dial (SEE Fig.2) must be fully closed (SEE Fig.4-anticlockwise).
2. Apply full load to engine (in a high gear at full throttle) and take note of the boost pressure.
3. To increase boost pressure turn the boost dial clockwise (MAX. of 6 clicks or half a turn).
4. Apply full load to engine (in a high gear at full throttle) and take note of boost pressure increase.
5. If boost pressure is below desired boost level, then repeat Step 3.
6. If boost pressure is above desired boost level, turn the boost dial anticlockwise (to reduce boost pressure).

## IMPORTANT NOTES

- Racepro Marketing Ltd recommends the boost level be set by a professional in a tradesmanlike manner.
- Racepro Marketing Ltd recommends both the boost pressure & the air/fuel ratio is set using a dynamometer.
- Racepro Marketing Ltd recommends the vehicle be fitted with an accurate boost gauge.
- If your engine is over boosting, under-boosting or the boost pressure is fluctuating: - check that your Racepro In Cabin Gated Boost Controller "T" piece is fitted with the arrow pointing towards the wastegate actuator.

- Check the silicon hose for splits, cracks, kinks, loose connections or other blockages & that the hose & boost controller are free from debris.
- Ensure that there is nothing in line between the pressure source & the wastegate actuator but the Racepro In Cabin Boost Controller "T" piece. Eg: boost gauge line or factory boost solenoid.
- Ensure the pressure line & exhaust line are clear of moving parts ie foot pedals, & are free of kinks in the line.
- Pressure test the wastegate actuator for leakage to ensure the diaphragm or housing is not cracked.

## WARNING

This product may cause damage to your engine if used incorrectly. Failure to follow these instructions & recommendations could result in incorrect usage of this product.

This product is intended for off-road racing only.

Racepro Marketing Ltd accepts no responsibility for the incorrect use of this product.

**RACEPRO MARKETING LTD WILL NOT BE HELD RESPONSIBLE FOR ANY DAMAGE TO PROPERTY OR PERSON THAT IS DIRECTLY OR INDIRECTLY RELATED TO THE USE OF THE RACEPRO IN CABIN GATED BOOST CONTROLLER.**