

CP342 (with loom) FUNCTION CONTROLLER OPERATION & INSTALLATION INSTRUCTIONS

The CP342 Function Controller is a direct replacement for the IMPCO / APEXUS IFC103A. (Wiring mod required for the 3.2L V6 Rodeo)

The CP342 features a dual pattern petrol start allowing for COLD and HOT petrol assist settings. It also incorporates a 'crank lock out' facility in addition to internal relays for injector cut out, fuel pump isolation and fuel gauge interface.

COLD START & HOT START MODES:

1. If the engine is started on LPG and run for less than 30 seconds the module will revert to the COLD start mode for the next start.
2. If the engine is started on LPG and run for more than 30 seconds the module will then start in the HOT start mode unless the engine has been switched off for 2 hours or more in which case the module will revert to the COLD start mode.

COLD START ROTARY SWITCH:

The COLD start rotary switch is marked with steps 0 through to F each step represents 0.3 seconds. 0 (minimum) = 0 seconds, F (maximum) = 4.5 seconds.

HOT START ROTARY SWITCH:

The HOT start rotary switch is marked with steps 0 through to F each step represents 0.1 seconds. 0 (minimum) = 0 seconds, F (maximum) = 1.5 seconds.

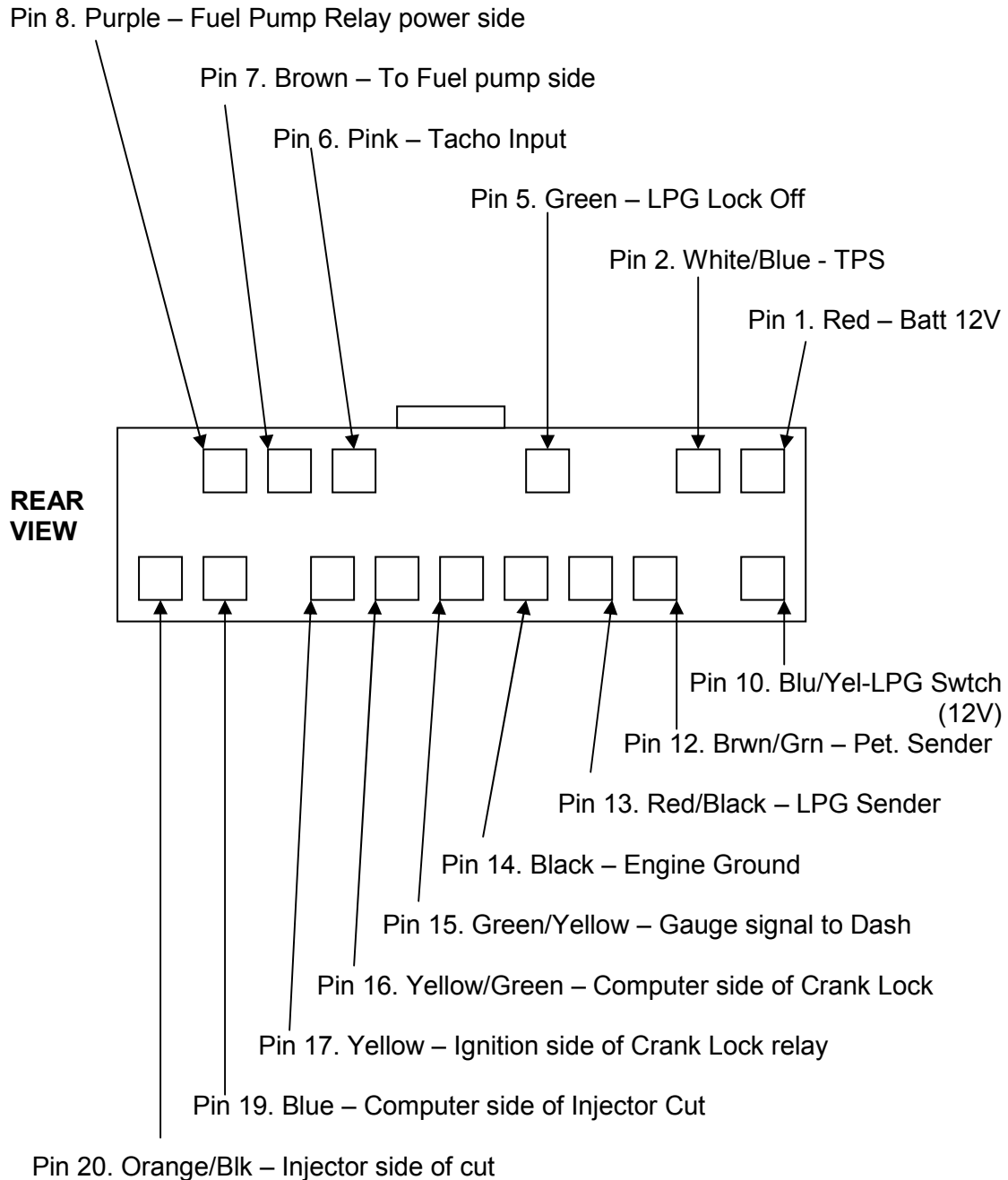
PETROL ASSIST SET UP PROCEDURE:

1. After initial installation of the function controller, turn the ignition ON and then OFF again within 10 seconds to ensure the next start is a cold start.
2. Set the COLD start rotary switch to the 5 position (1.5 seconds)
3. Set the HOT start rotary switch to the 5 position (0.5 seconds)
4. Start the engine to test COLD start settings, switch off before the engine has run for 30 seconds if the COLD start is unsatisfactory. Reset the COLD start rotary switch if required and retest.
5. Once the COLD start is correctly set start and run the engine for MORE than 30 seconds to ensure the next start is a HOT start.
6. Start the engine to test the HOT start settings. Allow the engine to run for MORE than 30 seconds before switching off if the HOT start is unsatisfactory. Reset the HOT start rotary switch if required and retest.

CRANK LOCK OUT SET UP PROCEDURE:

1. Switch the fuel selection switch to LPG
2. Disconnect the external crank lock out relay plug.
3. Turn and hold the ignition in the CRANK position. (The engine will not crank)
4. Depress the accelerator pedal to the desired point of crank disable.
5. Turn the CRANK LOCK trim pot until the BLUE TPS LED lights. This is the point of crank disable.
6. Reconnect the external crank lock out relay plug.

WIRING DIAGRAM



**Note: Colours may be different due to different LPG Kit Loom Suppliers
However Pin-Outs are all the Same!!!**