

# Injectronics

## TECHNICAL BULLETIN

### FORD – FALCON – BA

#T0090

**Make:** Ford

**Model:** Falcon BA

**Subject:** PCM Installation instructions

**Important note:** Ford BA PCMs (Power train Control Modules) must be correctly customised to the vehicle to ensure correct operation. This programming procedure must be carried out by Injectronics or a Ford dealership with a genuine scan tool.

**If the installation is being performed at a Ford dealership, the following actions must be carried out:**

- Programmable Module Installation operation performed (copies VIN, tyre size, axle ratio, ABS type, etc from original PCM to replacement PCM)
- Parameter Reset performed to match security settings to allow the car to start and run
- Interior Command Centre Reset/Calibration to remove radio security code error messages

**Customers who have an appropriate security matching scantool only (eg. Hanatech)**

The replacement PCM should have already had the programmable vehicle options programmed by Injectronics. These settings are as follows:

- Cruise control:
  - Present
  - Absent
- Anti-lock braking system:
  - No ABS
  - ABS only
  - Traction Control and ABS
- Axle gear ratio:
  - 3.23<sup>a</sup>
  - 3.45<sup>b</sup>
  - 3.46
- Original fitment tyre size:
  - 215/65R16C 106/104T (770)
  - 225/60R16 98V (783)
  - 215/60R16 95V (798)
  - 225/50R17 (805)
  - 245/40ZR18 93 (809)
  - 225/50ZR17 94W (810)
  - 215/55R16 93V (819)
  - 235/45ZR17 93W (825)
  - R155/70R17 110M (830)
  - 225/55R16 (842)

a. 3.23:1 final gear ratio commonly fitted to 4 speed auto Falon XT, Futura, Fairmont and all wagons

b. 3.45:1 final gear ratio commonly fitted to all 5 speed manual, XR6 and Fairmont Ghia and Fairlane vehicles

When the customer receives the replacement PCM, it must have the following actions performed:

- A security Parameter Reset (security matching procedure to allow the car to start and run)
- Interior Command Centre Reset/Calibration remove radio code security error messages.
- The VIN data in the PCM can only be transferred from the original PCM to the replacement PCM if the technicians at Injectronics have access to the customer's original PCM. Otherwise, VIN must be corrected using a genuine Ford scan tool. Note that the vehicle will start and run even if the VIN is incorrect.

**Return of Injectronics exchange unit:**

If the replacement PCM does not fix the problem on the vehicle, the original PCM may be reinstalled, a Parameter Reset operation performed again, and if the Interior Command Centre has not been aligned to the PCM, then it will continue working as it did originally. The Injectronics Remanufactured unit can then be returned to Injectronics for a retest fee SO 9001 standards.

[injectronics.com.au](http://injectronics.com.au)