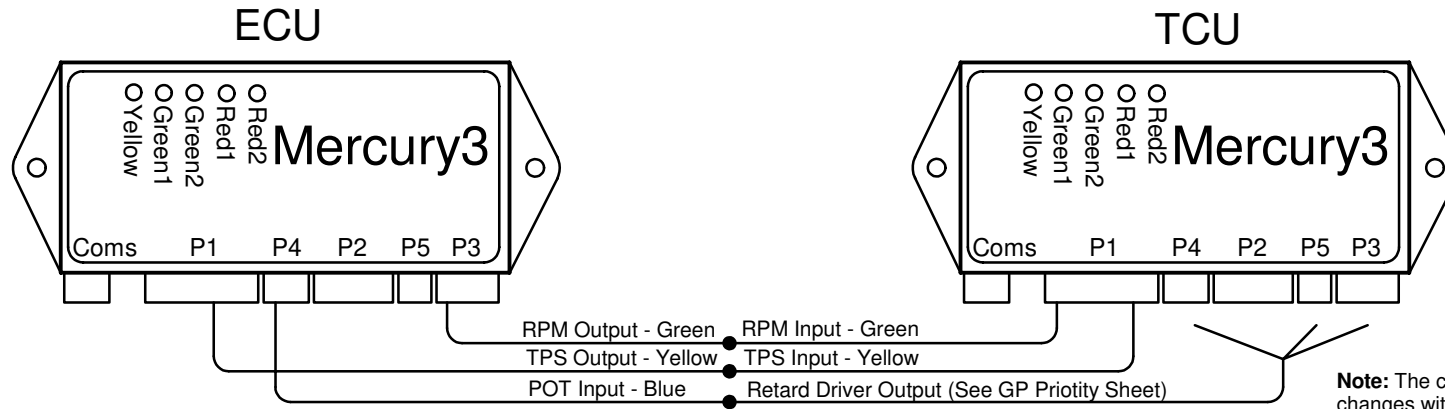
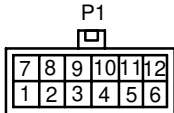


Mercury3 ECU to TCU Handshake

Last Changed: 19/05/2026



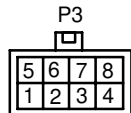
Note: The connection from the Mercury3 TCU changes with its GP Output Priority selection. View the Priority spreadsheet for the specific firmware to see which output is used as Retard output. It will be a negative driver.



Harness Pin View

- 1. Yellow -
- 2. Blue - TPS Sensor
- 3. Blue -
- 4. Black -
- 5.
- 6.
- 7. Green -
- 8. Red -
- 9. Red -
- 10. Orange -
- 11. Yellow -
- 12. Green -

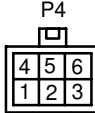
Connector Pinouts



Harness Pin View

- 1. Black/Purple -
- 2. Black/Orange -
- 3. Black/White -
- 4. Blue/Orange -
- 5. Black/Red -
- 6. Black/Brown -
- 7. Black/Yellow -
- 8. Green - RPM Out

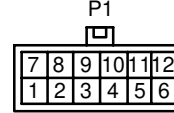
Connector Pinouts



Harness Pin View

- 1. Blue/White -
- 2. Green -
- 3. Blue -
- 4. Yellow -
- 5. Blue - POT
- 6. Red -

Connector Pinouts



Harness Pin View

- 1. Red -
- 2. Yellow - TPS Signal Input
- 3. Blue -
- 4. Black -
- 5.
- 6.
- 7. Blue -
- 8. White -
- 9. -
- 10. Orange -
- 11. Blue -
- 12. Green - RPM Signal In

Connector Pinouts

Software Settings

Tuning Pot.

POT Input

Tuning POT

Retard

POT Register

0

Launch Control

Timing

9

(°BTDC)