

| Wire Colors   |                | Software Selectable |           |           |                 |
|---------------|----------------|---------------------|-----------|-----------|-----------------|
|               |                | Sim<br>leds         | Priority3 | Priority2 | Priority1       |
| <b>M01-P1</b> | <b>MEX02-2</b> |                     |           |           |                 |
| Green         | Red            |                     |           |           |                 |
| Red           | Red            |                     |           |           |                 |
| Red           | Red            |                     |           |           |                 |
| Orange        | Orange         |                     |           |           |                 |
| Yellow        | Yellow         |                     |           |           |                 |
| Green         | Green          |                     |           |           |                 |
|               |                |                     |           |           |                 |
| <b>M02-P2</b> | <b>MEX02-2</b> |                     |           |           |                 |
| Red/Yellow    | Red/Yellow     | P2                  |           |           | Coil Drv 2      |
| Red/Green     | Red/Green      | P4                  |           | GP3       | Idle Valve      |
| Red/Black     | Red/Black      | P6                  |           | GP5       | Dual Idle Valve |
| Blue/Black    | N/C            | E Rel               |           |           |                 |
| Red           | Red            |                     |           |           |                 |
|               |                |                     |           |           |                 |
| <b>M03-P3</b> | <b>MEX02-2</b> |                     |           |           |                 |
| Black/Red     | Black/Red      | N6                  |           | GP10      | Inj Drv 6       |
| Black/Brown   | Black/Brown    | N4                  |           | GP8       | Inj Drv 4       |
| Black/Yellow  | Black/Yellow   | N2                  |           |           | Inj Drv 2       |
| Green         | Green          | RPM                 |           |           |                 |
|               |                |                     |           |           |                 |
| <b>M04-P4</b> | <b>MEX02-2</b> |                     |           |           |                 |
| Yellow        | Yellow         |                     |           |           |                 |
| Blue          | Blue           |                     |           |           |                 |
| Red           | Red            |                     |           |           |                 |
|               |                |                     |           |           |                 |
| <b>M07-P5</b> | <b>MEX02-2</b> |                     |           |           |                 |
| Black/Yellow  | Blue           | N8                  |           |           | Cam2            |
| Red/Yellow    | Green          | P8                  |           |           | GP7             |
|               |                |                     |           |           |                 |
|               | <b>USB</b>     |                     |           |           |                 |
|               | N/C            |                     |           |           |                 |
|               | Yellow         |                     |           |           |                 |
|               | Red            |                     |           |           |                 |

***[Note!! Coil and Injector numbers used here are firing phases from the EC  
Refer to the drawings for Phase to firing order comparison.]***

| <b>3Cyl</b>                          |    |   |              |                            |                  |                  |
|--------------------------------------|----|---|--------------|----------------------------|------------------|------------------|
| <b><u>Mercury2 ECU Layout</u></b>    |    |   |              | <b>Software Selectable</b> |                  |                  |
|                                      |    |   |              | <b>Priority1</b>           | <b>Priority2</b> | <b>Priority3</b> |
| <b><u>P1 - 12 Way Input</u></b>      |    |   |              |                            |                  |                  |
| Water Temp                           | 7  | 1 | Air Temp     |                            |                  |                  |
| Lambda                               | 8  | 2 | TPS          |                            |                  |                  |
| .+5 Volt Out                         | 9  | 3 | MAP          |                            |                  |                  |
| .+12 Volt Ign                        | 10 | 4 | GND          |                            |                  |                  |
| TDC Sensor                           | 11 | 5 | Cam2 Sensor  |                            |                  |                  |
| Crank Sensor                         | 12 | 6 | Cam1 Sensor  |                            |                  |                  |
| <b><u>P2 - 10 Way Output</u></b>     |    |   |              |                            |                  |                  |
| P2 12 Volt                           | 6  | 1 | P1 12 Volt   | Coil Drv 1                 |                  |                  |
| P4 12 Volt                           | 7  | 2 | P3 12 Volt   | Coil Drv 3                 |                  |                  |
| P6 12 Volt                           | 8  | 3 | P5 12 Volt   | Fuel Pump Cntrl            | GP4              |                  |
| Electronic Relay                     | 9  | 4 | Relay Out    |                            |                  |                  |
| .+12 Volt In                         | 10 | 5 | .+12 Volt In |                            |                  |                  |
| <b><u>P3 - 8 Way Output</u></b>      |    |   |              |                            |                  |                  |
| N6 Ground                            | 5  | 1 | N5 Ground    | Inj Drv 5                  | GP9              |                  |
| N4 Ground                            | 6  | 2 | N3 Ground    | Inj Drv 3                  |                  |                  |
| N2 Ground                            | 7  | 3 | N1 Ground    | Inj Drv 1                  |                  |                  |
| RPM Out                              | 8  | 4 | GP1 Out      | GP1                        |                  |                  |
| <b><u>P4 - 6 Way In/Output</u></b>   |    |   |              |                            |                  |                  |
| Fuel Sensor                          | 4  | 1 | GP2 Out      | GP2                        |                  |                  |
| POT                                  | 5  | 2 | Altitude     |                            |                  |                  |
| .+5 Volt Out                         | 6  | 3 | GND          |                            |                  |                  |
| <b><u>P5 - 4 Way Output</u></b>      |    |   |              |                            |                  |                  |
| N8 Ground                            | 3  | 1 | N7 Ground    | Cam1                       |                  |                  |
| P8 12 Volt                           | 4  | 2 | P7 12 Volt   | GP6                        |                  |                  |
| <b><u>Comms - 6 Way USB/Firm</u></b> |    |   |              |                            |                  |                  |
| Programmer 2                         | 4  | 1 | Programmer 1 |                            |                  |                  |
| Receive                              | 5  | 2 | Transmit     |                            |                  |                  |
| .+5 Volt Out                         | 6  | 3 | GND          |                            |                  |                  |

*U. It is not the actual firing order on your engine.*

|                     |                    |               |
|---------------------|--------------------|---------------|
|                     | <b>Wire Colors</b> |               |
| <b>Sim<br/>leds</b> |                    |               |
|                     | <b>MEX02-2</b>     | <b>M01-P1</b> |
|                     | Red                | Yellow        |
|                     | Blue               | Blue          |
|                     | Blue               | Blue          |
|                     | Black              | Black         |
|                     | Blue               | N/C           |
|                     | Red                | N/C           |
|                     |                    |               |
|                     | <b>MEX02-2</b>     | <b>M02-P2</b> |
| P1                  | Red/White          | Red/White     |
| P3                  | Red/Orange         | Red/Orange    |
| P5                  | Red/Blue           | Red/Blue      |
| Relay               | Blue               | Blue/Red      |
|                     | Red                | Red           |
|                     |                    |               |
|                     | <b>MEX02-2</b>     | <b>M03-P3</b> |
| N5                  | Black/Purple       | Black/Purple  |
| N3                  | Black/Orange       | Black/Orange  |
| N1                  | Black/White        | Black/White   |
| GP1                 | Blue/Orange        | Blue/Orange   |
|                     |                    |               |
|                     | <b>MEX02-2</b>     | <b>M04-P4</b> |
| GP2                 | Blue/White         | Blue/White    |
|                     | Green              | Green         |
|                     | Blue               | Blue          |
|                     |                    |               |
|                     | <b>MEX02-2</b>     | <b>M07-P5</b> |
| N7                  | White              | Black/White   |
| P7                  | Yellow             | Red/White     |
|                     |                    |               |
|                     | <b>USB</b>         |               |
|                     | N/C                |               |
|                     | Green              |               |
|                     | Blue               |               |