

| WIRE COLOR ABBREVIATIONS |             |       |
|--------------------------|-------------|-------|
| TXT                      | COLOR       | NOTES |
| BLK                      | BLACK       |       |
| BRN                      | BROWN       |       |
| RED                      | RED         |       |
| ORN                      | ORANGE      |       |
| YEL                      | YELLOW      |       |
| LT.GRN                   | LIGHT GREEN |       |
| GRN                      | GREEN       |       |
| LT.BLU                   | LIGHT BLUE  |       |
| BLU                      | BLUE        |       |
| VIO                      | VIOLET      |       |
| GRY                      | GRAY        |       |
| WHT                      | WHITE       |       |
| PNK                      | PINK        |       |

| REVISION HISTORY |  |           |     |     |
|------------------|--|-----------|-----|-----|
| LEVEL            | DESCRIPTION  | DATE      | DRN | APP |
| 1                | RELEASE  | 5/9/2011  | FAD | DB  |
| 1a               | Correct C1 Pin E color RED, Wires for TPS signal added, kit contents page added, corrected splice chart            | 5/25/2011 | FAD | DB  |
| 1b               | Added TCM4181 to kit content, added yellt.grn and yellt.blk to extra wire kit, corrected cut chart for TPS blk/wht | 6/9/2011  | FAD | DB  |
| 2                | CHANGED WIRES FROM TCU TO C1, C2 TO TWISTED PAIR   | 7/21/2011 | FAD | DB  |

| THROTTLE POSITION SENSOR |                  |        |             |  |
|--------------------------|------------------|--------|-------------|--|
| PIN                      | CIRCUIT FUNCTION | COLOR  | CONNECTS TO |  |
| A                        | SEN.GND          | BLKWHT | S3          |  |
| B                        | TPS              | YELBLK | TCU-46      |  |
| C                        | +5V SENSOR       | REDWHT | TCU-58, S4  |  |

| OPTION |                  |        |            |  |
|--------|------------------|--------|------------|--|
| PIN    | CIRCUIT FUNCTION | COLOR  | TCU POS.   |  |
| 1      | POWER            | RED    | S1         |  |
| 2      | GND.             | BLK    | S2         |  |
| 3      | CAN HIGH         | WHTRED | TCU-33, S4 |  |
| 4      | CAN LOW          | WHTBLK | TCU-34, S5 |  |

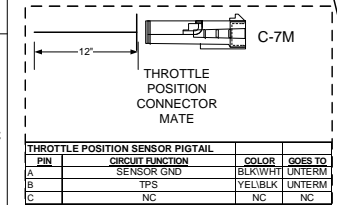
| CAN |                  |        |          |  |
|-----|------------------|--------|----------|--|
| PIN | CIRCUIT FUNCTION | COLOR  | TCU POS. |  |
| 1   | CAN HIGH         | WHTRED | S4       |  |
| 2   | CAN LOW          | WHTBLK | S5       |  |

| OUTPUT SHAFT SPEED SENSOR |                  |        |             |  |
|---------------------------|------------------|--------|-------------|--|
| PIN                       | CIRCUIT FUNCTION | COLOR  | TCU POS.    |  |
| A                         | TOSS+            | ORGRD  | TCU-6       |  |
| B                         | TOSS-            | BLKWHT | TCU-53, S-3 |  |

| UNTERMINATED |                   |            |             |  |
|--------------|-------------------|------------|-------------|--|
| PIN          | CIRCUIT FUNCTION  | COLOR      | CONNECTS TO |  |
|              | TACHOMETER GROUND | BLKWHT     | TCU-54, S3  |  |
|              | TACHOMETER        | ORN/BLK    | TCU-5       |  |
|              | SPEEDOMETER       | ORN/WHT    | TCU-9       |  |
|              | BRAKE LIGHT       | GRY/LT.BLU | TCU-16      |  |
|              | SPARE ANALOG IN   | YEL/RED    | TCU-47      |  |
|              | DIGITAL IN 5      | GRY/WHT    | TCU-17      |  |
|              | DIGITAL IN 6      | GRY/ORN    | TCU-18      |  |
|              | DIGITAL IN 7      | GRY/YEL    | TCU-21      |  |
|              | PWM OUT 4         | VIO/LT.BLU | TCM-12      |  |
|              | PWM OUT 5         | VIO/WHT    | TCM-52      |  |

| TRANSMISSION CONNECTOR |                      |              |                       |  |
|------------------------|----------------------|--------------|-----------------------|--|
| PIN                    | CIRCUIT FUNCTION     | COLOR        | CONNECTS TO           |  |
| A                      | SHIFT SOL-A (1-2)    | PNK/BLK      | TCU-59                |  |
| B                      | SHIFT SOL B-(2-3)    | PNK/RED      | TCU-53                |  |
| C                      | LINE PRESSURE +      | VIO/BLK      | TCU37                 |  |
| D                      | LINE PRESSURE -      | BLK          | TCU-59,60,61,62,63,S2 |  |
| E                      | TCC, 1-2, 2-3, 3-2 + | RED (18 AWG) | TCU-1,2,3,4,S1        |  |
| F                      | NC                   | NC           | NC                    |  |
| G                      | NC                   | NC           | NC                    |  |
| H                      | NC                   | NC           | NC                    |  |
| J                      | NC                   | NC           | NC                    |  |
| K                      | NC                   | NC           | NC                    |  |
| L                      | ATF TEMP +           | YEL/ORG      | TCU-51                |  |
| M                      | ATF TEMP -           | BLKWHT       | TCU-54, S3            |  |
| N                      | RANGE A              | GRY/BLK      | TCU-13                |  |
| P                      | RANGE C              | GRY/GRN      | TCU-15                |  |
| R                      | RANGE B              | GRY/RED      | TCU-14                |  |
| S                      | TISS                 | ORN/LT.GRN   | TCU-7                 |  |
| T                      | TCC PWM-             | VIO/RED      | TCU-28                |  |
| U                      | TCC ON/OFF-          | GRY/PNK      | TCU-22                |  |
| V                      | TURB SPEED-          | BLKWHT       | TCU-54, S3            |  |
| W                      |                      |              | NC                    |  |

| F1  |                  |       |                   |  |
|-----|------------------|-------|-------------------|--|
| PIN | CIRCUIT FUNCTION | COLOR | WIRES TO          |  |
| A   | +12 BATT FUSED   | RED   | TCU- 1-4, S1      |  |
| B   | +12 BATT         | RED   | FUSED BATT SOURCE |  |



| LABEL DEFINITION TABLE |                              |           |       |
|------------------------|------------------------------|-----------|-------|
| NUM                    | NAME                         | STOCK #   | NOTES |
| L1                     | TCM-4100                     | 594-01105 |       |
| L2                     | CAN BUS                      | 594-09105 |       |
| L3                     | THROTTLE POSITION SENSOR     | 594-09105 |       |
| L4                     | +12V BATTERY                 | 594-09105 |       |
| L5                     | CHASSIS GROUND               | 594-09105 |       |
| L6                     | LAPTOP CALIBRATION CONNECTOR | 594-09105 |       |
| L7                     | OUTPUT SHAFT SPEED SENSOR    | 594-09105 |       |
| L8                     | TRANSMISSION CONNECTOR       | 594-01105 |       |
| L9                     | TACHOMETER GROUND            | 594-09105 |       |
| L10                    | TACHOMETER                   | 594-09105 |       |
| L11                    | SPEEDOMETER                  | 594-09105 |       |
| L12                    | BRAKE LIGHT                  | 594-09105 |       |
| L13                    | SPARE ANALOG IN              | 594-09105 |       |
| L14                    | DIGITAL IN 5                 | 594-09105 |       |
| L15                    | DIGITAL IN 6                 | 594-09105 |       |
| L16                    | DIGITAL IN 7                 | 594-09105 |       |
| L17                    | PWM OUT 4                    | 594-09105 |       |
| L18                    | PWM OUT 5                    | 594-09105 |       |
| L19                    | OPTION CONNECTOR             | 594-09105 |       |

| SPLICE INFORMATION |                   |            |
|--------------------|-------------------|------------|
| S#                 | FUNCTION          | COLOR      |
| S1                 | 12 VOLTS SWITCHED | RED        |
| S2                 | GROUND            | BLK        |
| S3                 | SENSOR GROUND     | BLKWHT     |
| S4                 | NONE              | NONE       |
| S5                 | CAN HIGH          | WHT/RED    |
| S6                 | CAN LOW           | WHT/BLK    |
| S7                 | TSS               | ORN/LT.GRN |

| LAPTOP CAL CONNECTOR |                  |       |          |  |
|----------------------|------------------|-------|----------|--|
| PIN                  | CIRCUIT FUNCTION | COLOR | TCU POS. |  |
| A                    | SERIAL RX        | RED   | TCU-31   |  |
| B                    | SIGNAL GND.      | WHT   | TCU-32   |  |
| C                    | SERIAL TX        | BLK   | TCU-30   |  |

