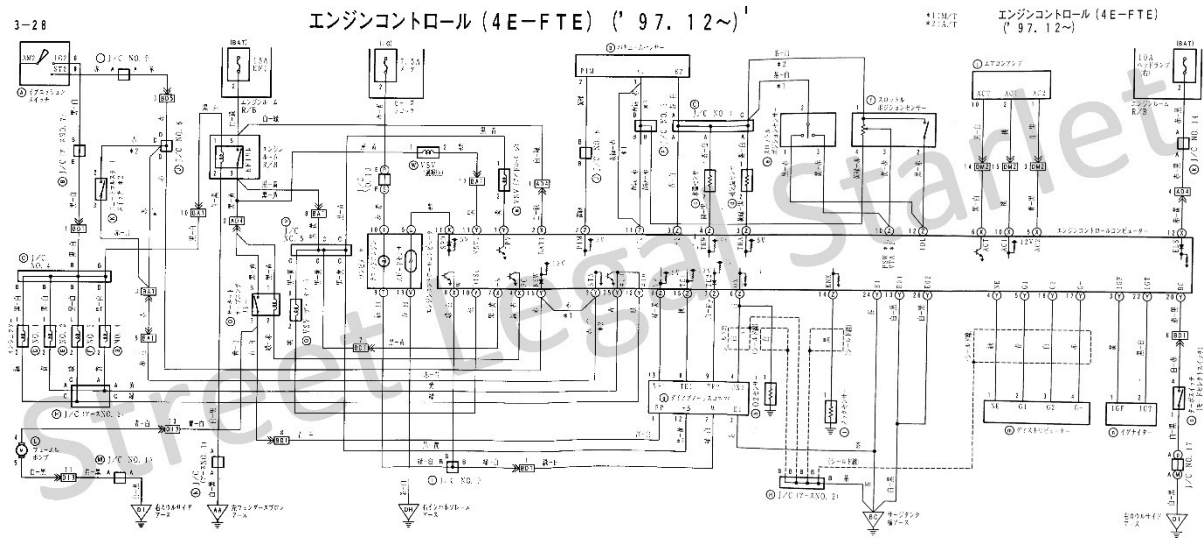


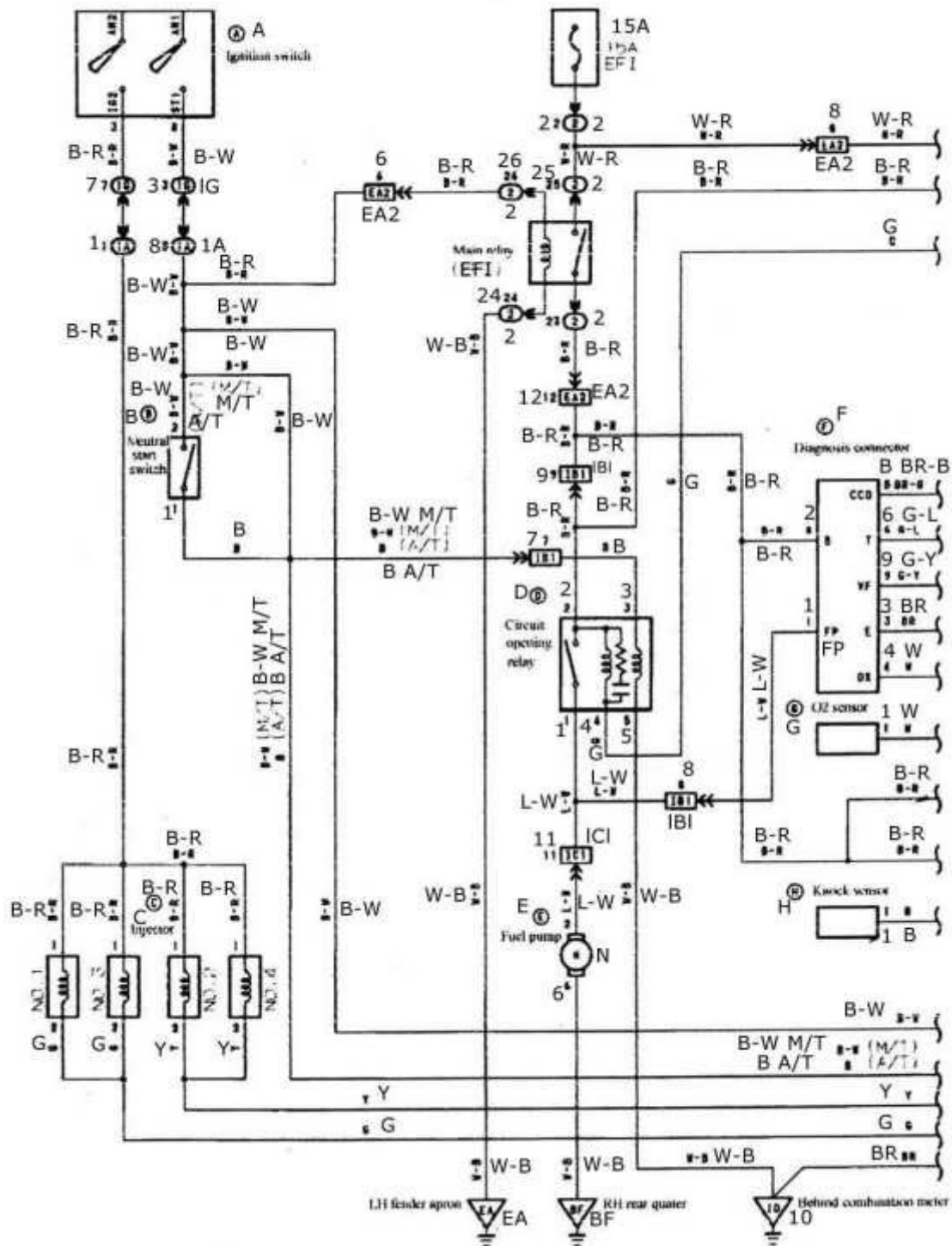
# Wiring Diagram Library

## Toyota Starlet Ep91 Wiring Diagram

Publish on 25 Feb, 2018 by john kenny

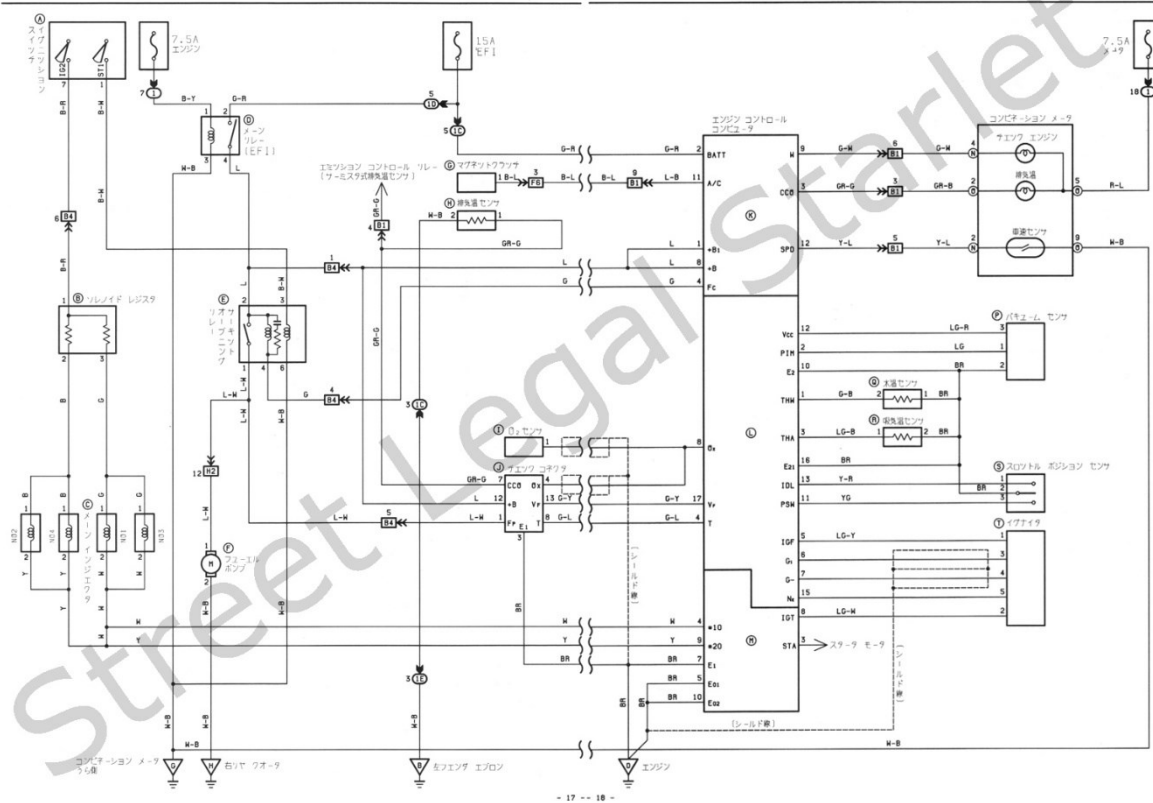


# EFI (4E-FTE)

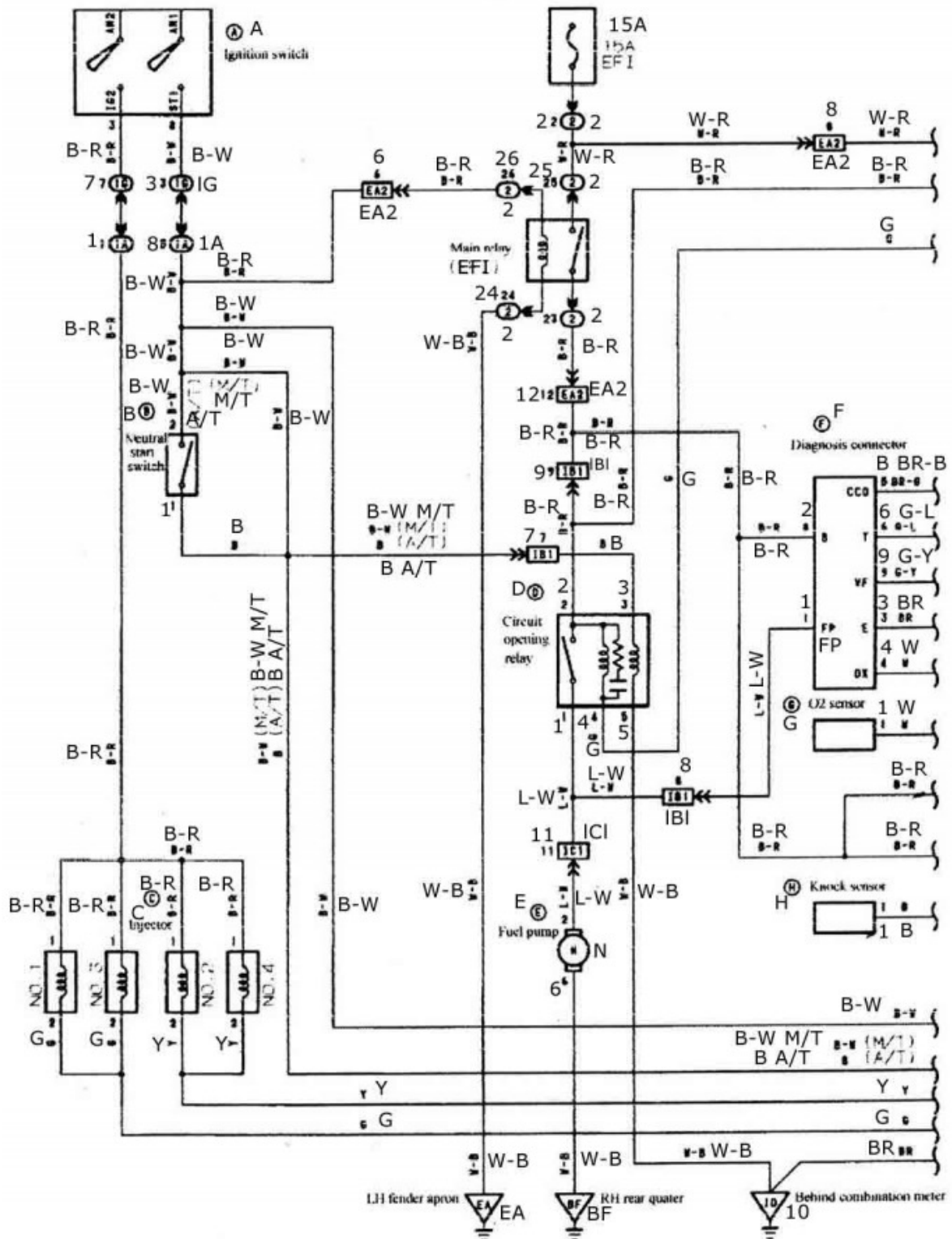


DANIEL - BOOST SWITCH RUN HIGH

EFI(2E-ELU) EPI EPI EFI(2E-ELU)



# EFI (4E-FTE)



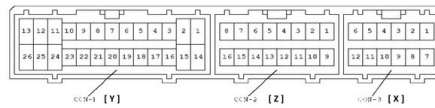
DANIEL - BOOST SWITCH RUN HIGH



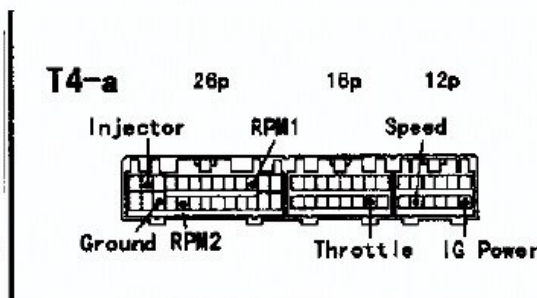
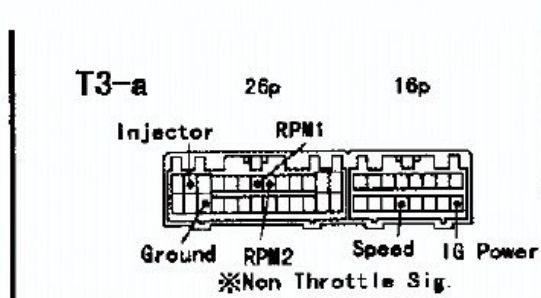
EP91 M/T  
(96/01 - 99/07)

|     |     |     |     |      |     |
|-----|-----|-----|-----|------|-----|
| ACT | AC2 | FC  | CCO | BATT | +B1 |
| ELS | SPD | AC1 | EGW | W    | +B  |

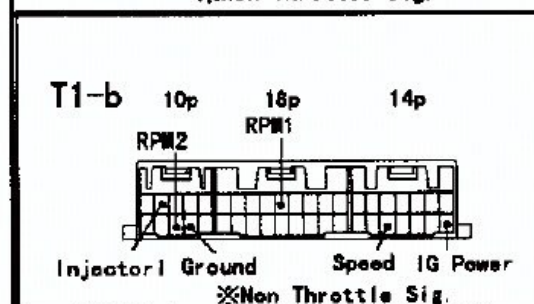
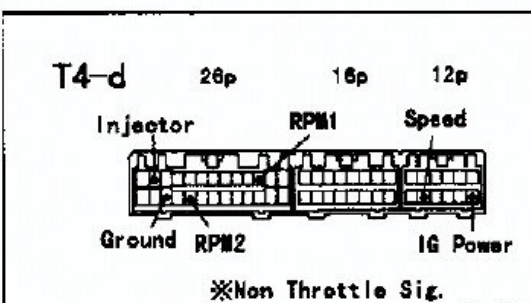
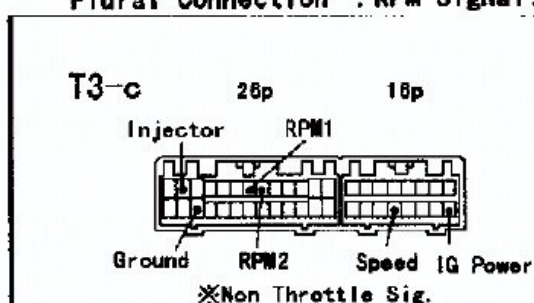
| Connector 3 |      |                                                                |
|-------------|------|----------------------------------------------------------------|
| pin         | name | function                                                       |
| 1           | +B1  | Switched Battery Power (12V)                                   |
| 2           | BATT | Switched Battery Power +12V (BT Main Relay)                    |
| 3           | CCO  | Check Connector Outputs                                        |
| 4           | +C   | Crank Operating Battery (Fuel Cut)                             |
| 5           | ACT  | 12V To Arcon Computer                                          |
| 6           | ACT  | ACT/Cut Control System                                         |
| 7           | +B   | Switched Battery Power (12V)                                   |
| 8           | W    | Warning Light                                                  |
| 9           | EGW  | CAUTION Converter Temperature Warning Light (Combustion Meter) |
| 10          | ACL  | ACL Switch Signal System (12V To Arcon Computer)               |
| 11          | SPO  | Speed Signal                                                   |
| 12          | ELS  | Electrical Load Signal System Taillight Relay                  |

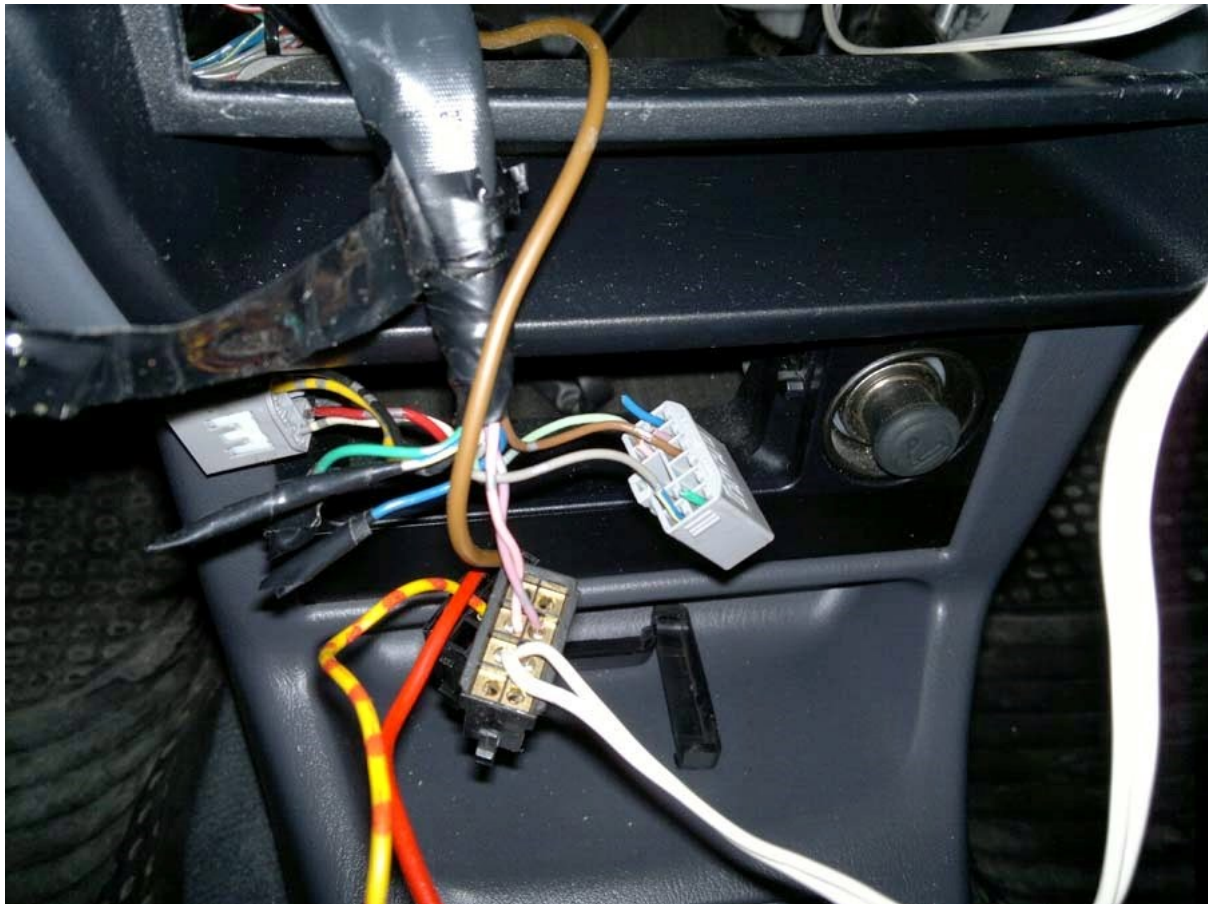
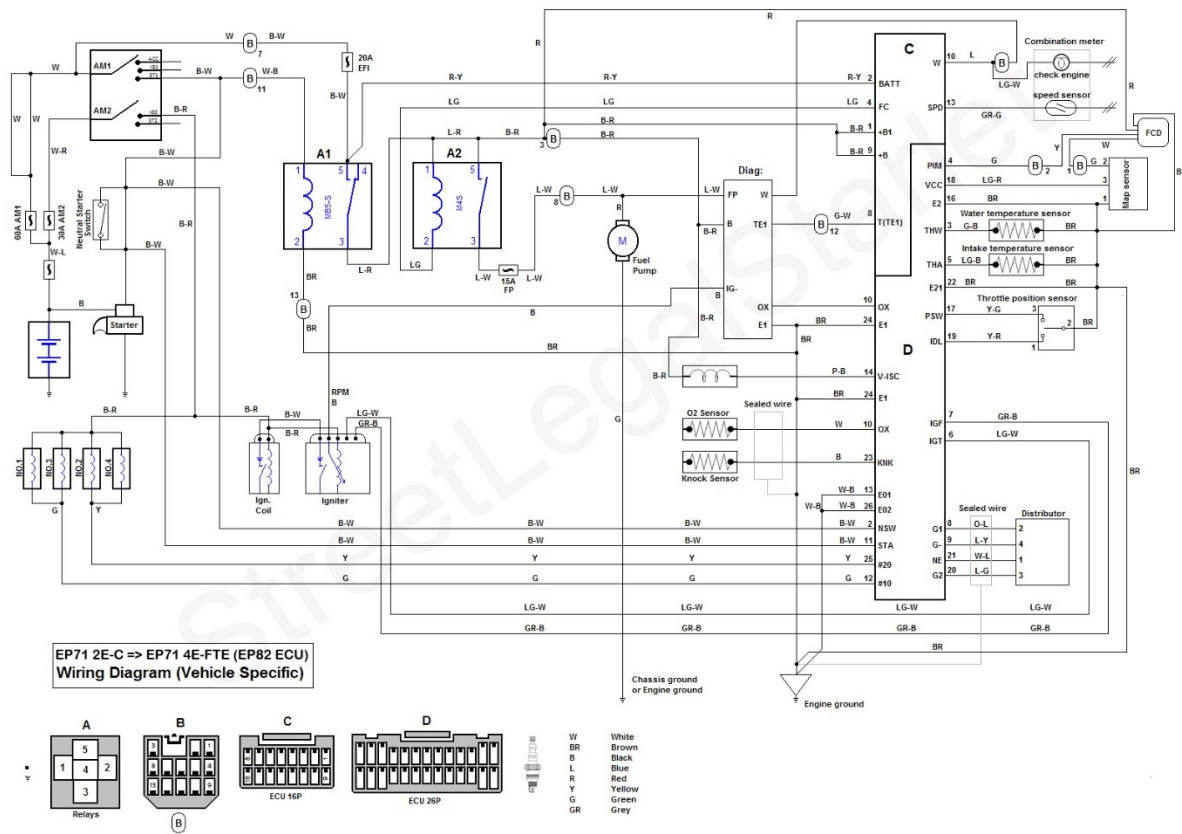


|         |      |        |               |   |     |      |
|---------|------|--------|---------------|---|-----|------|
| STARLET | EP91 | 4E-FTE | '95.12~*      | d |     | T4-d |
|         | EP82 | 4E-FTE | '89.12~'95.11 | e | M/T | T3-a |
|         |      |        | '92.1~'95.11  |   | A/T | T4-a |
|         |      |        | '89.12~'91.12 |   |     | T3-a |
|         | EP71 | 2E-TE  | '86.1~'89.12  |   |     | T1-b |

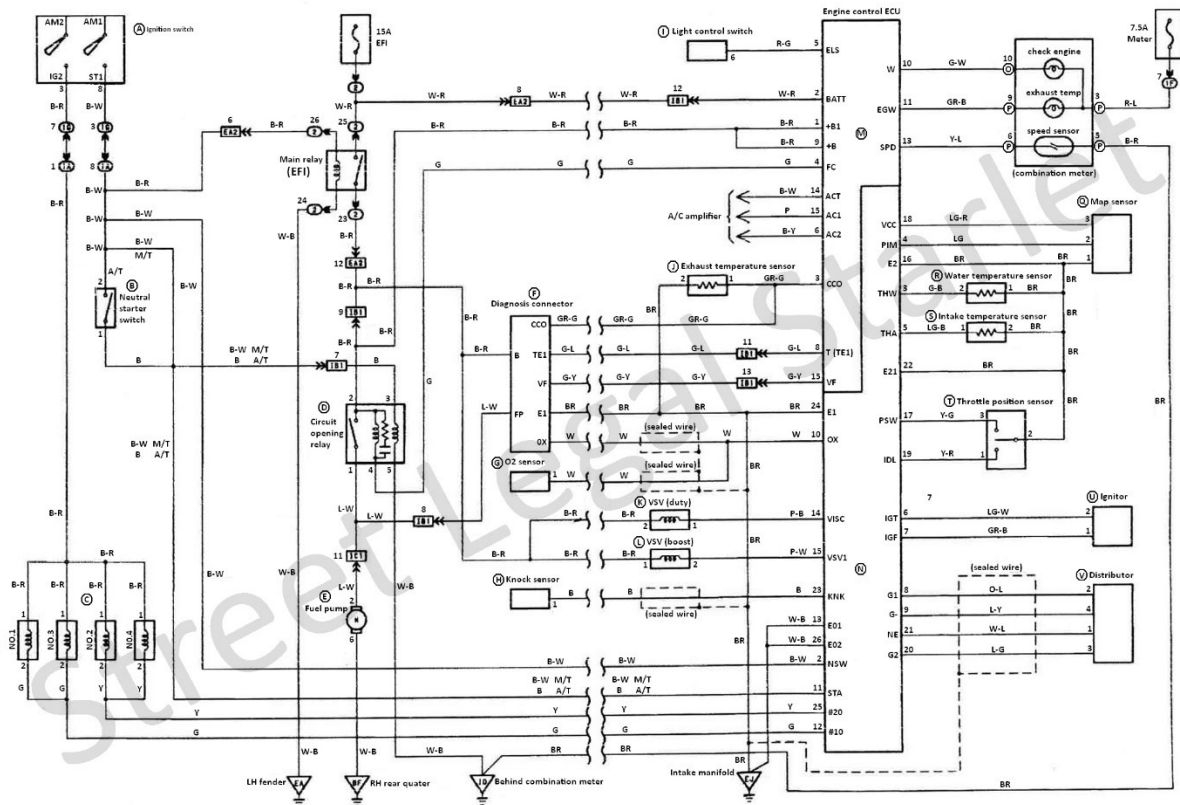


※Regular Connection : RPM Signal 1  
Plural Connection : RPM Signal 2



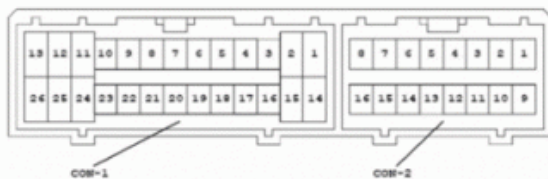


# EFI (4E-FTE)



## Computer Wiring Diagram 4E-FE - EP91 - Manual Computer Part Number: 89661 - 10220 Code: 211000 - 4530

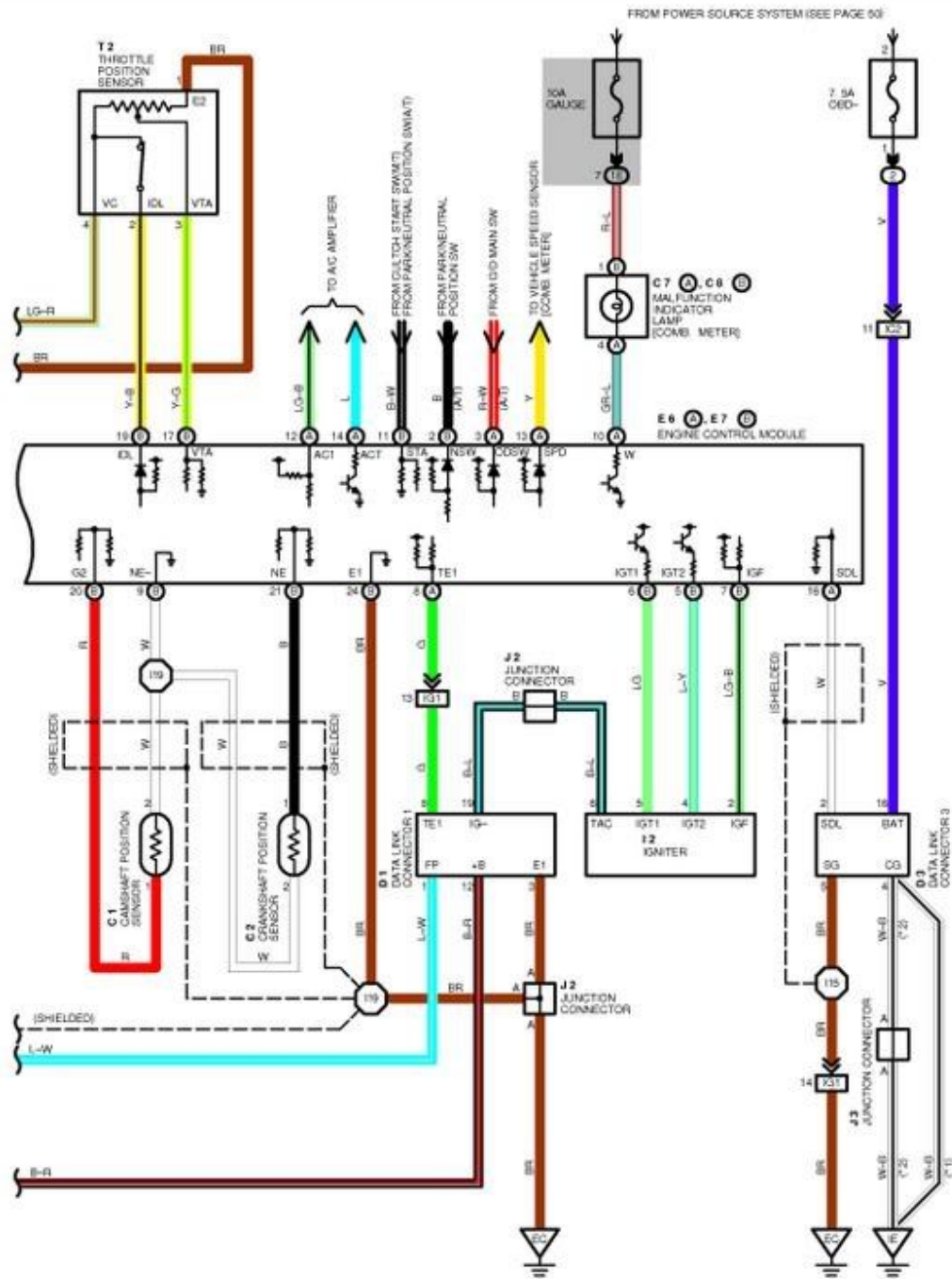
| Connector 1 |      |                                                                     | Connector 2 |      |                                                                   |
|-------------|------|---------------------------------------------------------------------|-------------|------|-------------------------------------------------------------------|
| 1           | RSC  | Neutral Starter Switch                                              | 1           | BATT | Switched Battery Power (+12V) (EFI Main Relay)                    |
| 2           | NSW  | Water Temperature Signal                                            | 2           | CCO  | Check Connector Outputs                                           |
| 3           | THW  | Pressure Intake Manifold                                            | 3           | FC   | Circuit Opening Relay (Fuel Cut)                                  |
| 4           | PIM  | Intake Air Temperature                                              | 4           | ELS1 | Electrical Load Signal System Taillight Relay                     |
| 5           | THA  | Ignition Timing                                                     | 5           | AC2  | 12V To Aircon Computer                                            |
| 6           | IGT  | Ignition Feedback from the Ignitor-Coil                             | 6           | TE2  | Check Connector                                                   |
| 7           | IGF  | Distributor                                                         | 7           | TE1  | Check Connector                                                   |
| 8           | G2   | Distributor Crank Angle                                             | 8           | +B   | Switched Battery Power (12V)                                      |
| 9           | OX   | Oxygen Sensor (Lambda Sensor)                                       | 9           | W    | Warning Light                                                     |
| 10          | OX   | Distributor                                                         | 10          | EGW  | Catalytic Converter Temperature Warning Light (Combination Meter) |
| 11          | STA  | Engine Cranking Signal (Starter Switch)                             | 11          | AC1  | A/C Switch Signal System (12V to Aircon Computer)                 |
| 12          | #10  | Injector Pulse 1 & 3                                                | 12          | SPD  | Speed Signal                                                      |
| 13          | E01  | Computer Ground                                                     | 13          | ACT  | A/C Cut Control System                                            |
| 14          | RSO  | Sensor Ground                                                       | 14          | ELS2 | Check Connector Outputs                                           |
| 15          | HT   | Throttle Position Sensor                                            | 15          | VF   |                                                                   |
| 16          | E2   | Throttle Position Sensor (pin 1)                                    |             |      |                                                                   |
| 17          | PSW  | Throttle Position Sensor (Signals ECU throttle position is at idle) |             |      |                                                                   |
| 18          | VCC  |                                                                     |             |      |                                                                   |
| 19          | IDL  |                                                                     |             |      |                                                                   |
| 20          | FAN  |                                                                     |             |      |                                                                   |
| 21          | NE   |                                                                     |             |      |                                                                   |
| 22          | ELS3 |                                                                     |             |      |                                                                   |
| 23          | IPV  | Vacuum Switching Valve                                              |             |      |                                                                   |
| 24          | E1   | Computer Ground                                                     |             |      |                                                                   |
| 25          | #20  | Injector Pulse 2 & 4                                                |             |      |                                                                   |
| 26          | -    |                                                                     |             |      |                                                                   |

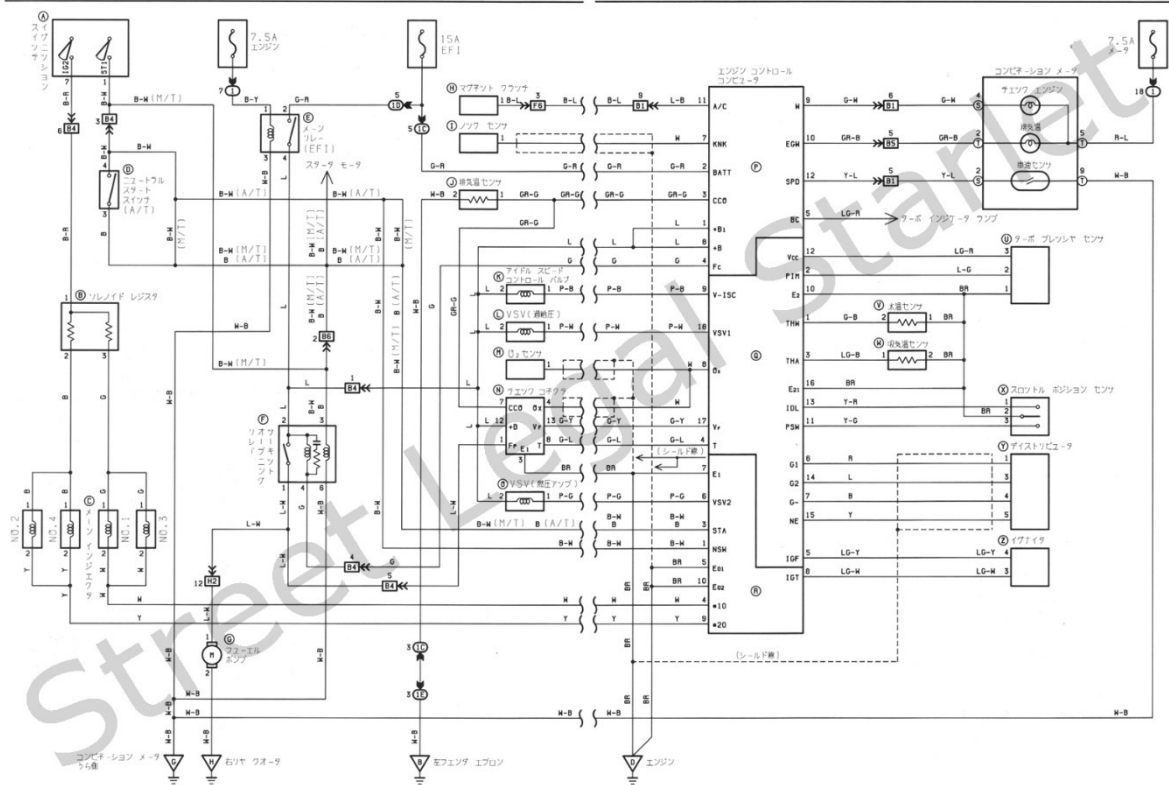


ENGINE CONTROL  
**TOYOTA**  
89661-10220  
211000-4530 12V  
4E-FE MT  
26P 16P  
FUJITSU TEN LIMITED JAPAN

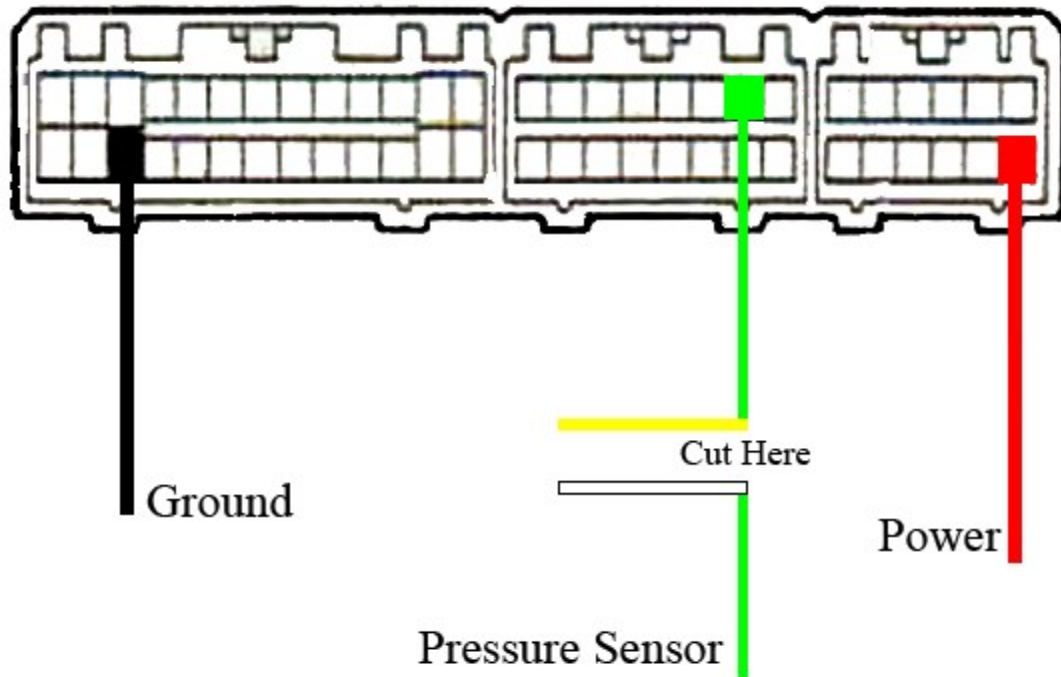
# ENGINE CONTROL

\*1 : 3000R STD GRADE MT  
\*2 : EXCEPT \*1

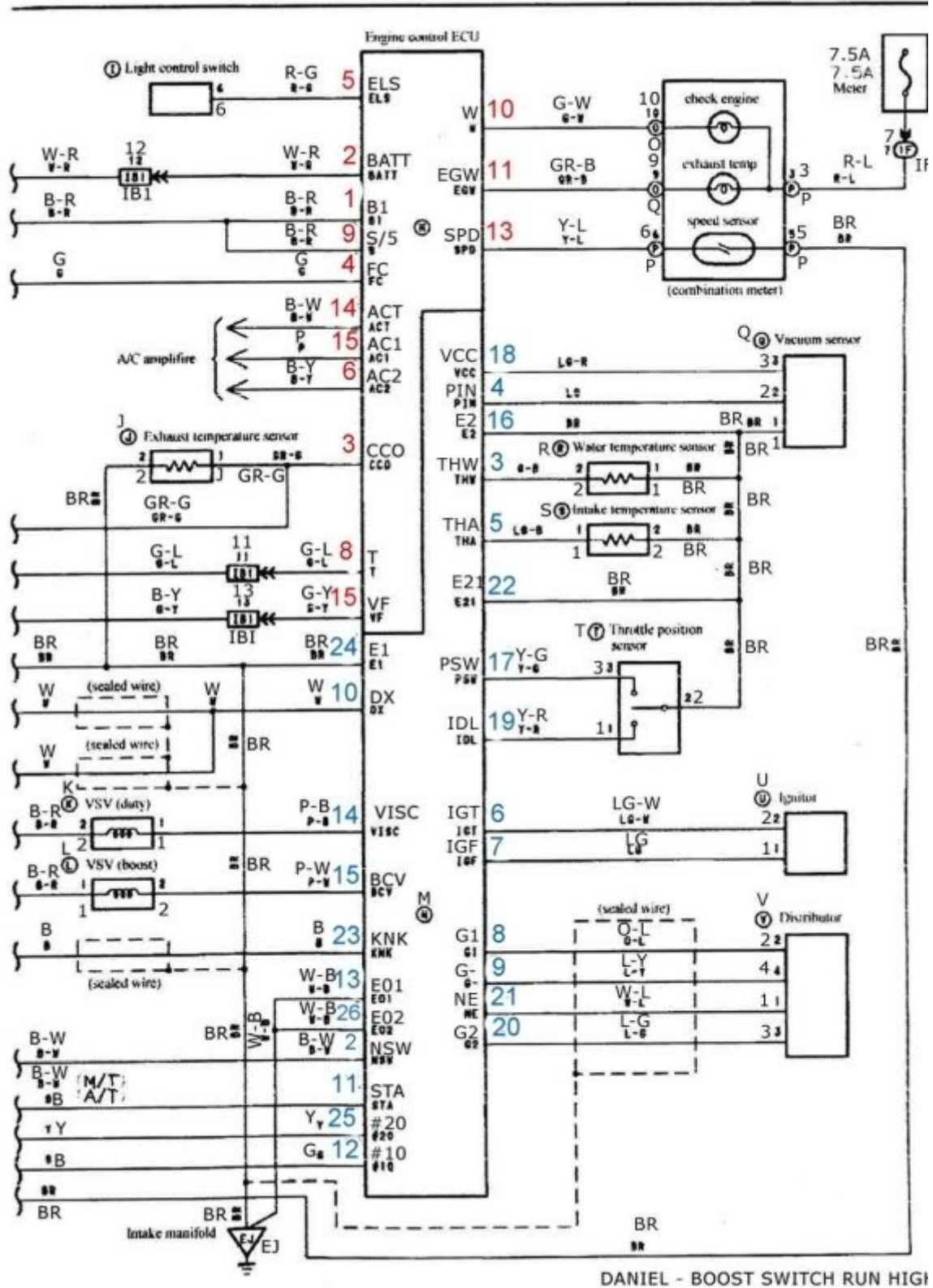




[Wiring Diagram For Fcd | 429](#)



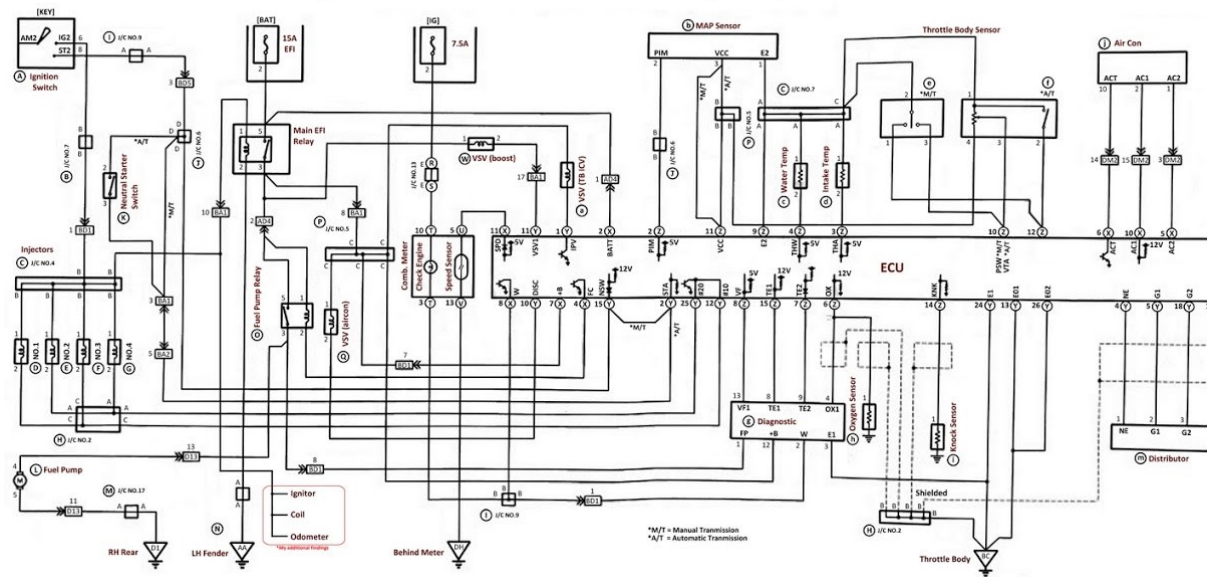
EP91 HKS FCD  
Wiring Diagram



DANIEL - BOOST SWITCH RUN HIGH

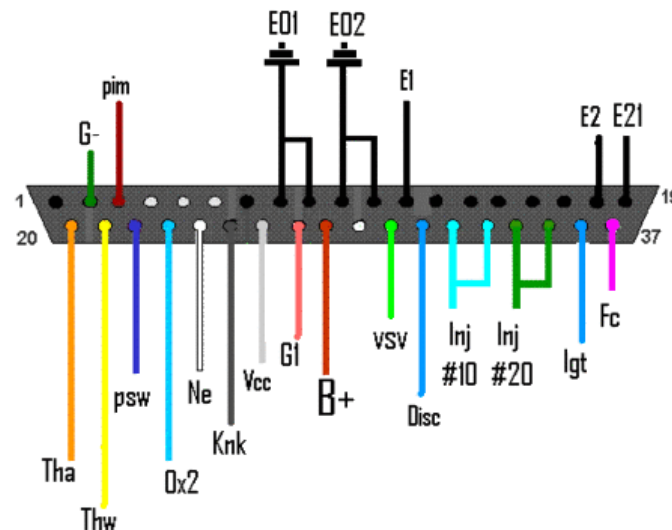
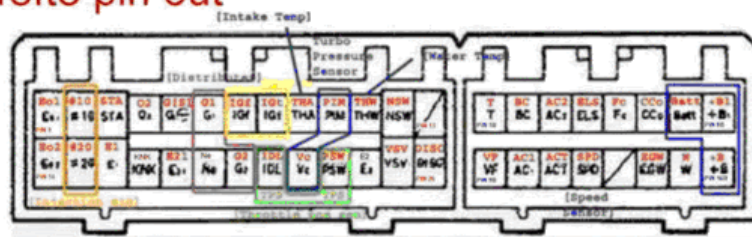
## Toyota Glanza WIRING DIAGRAM (EP91) (4E-FTE - '96)

SOURCE: STREET LEGAL S



[Megasquirt Support Forum \(MSEXTRA\) U2022 4efte Install \(View Topic\) | 679](#)

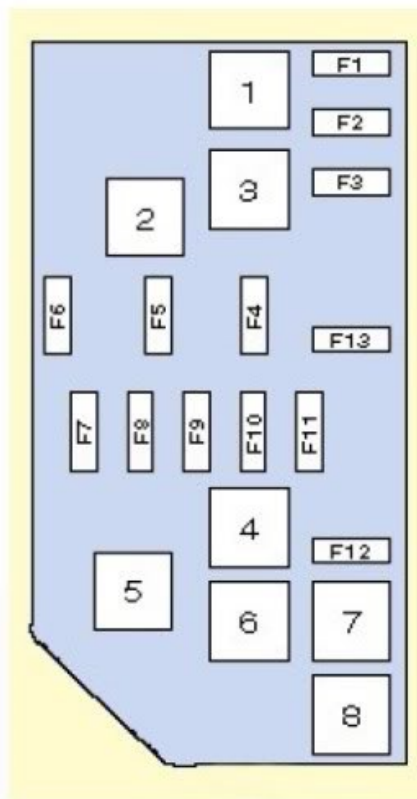
## 4efte pin out



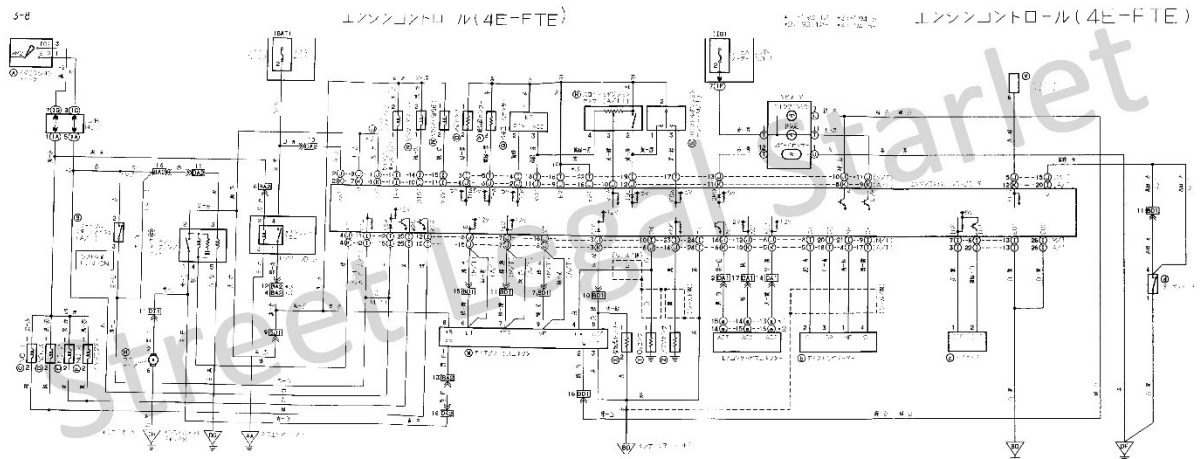
[Toyota Efi Wiring Diagram With Basic Pictures | 2233](#)



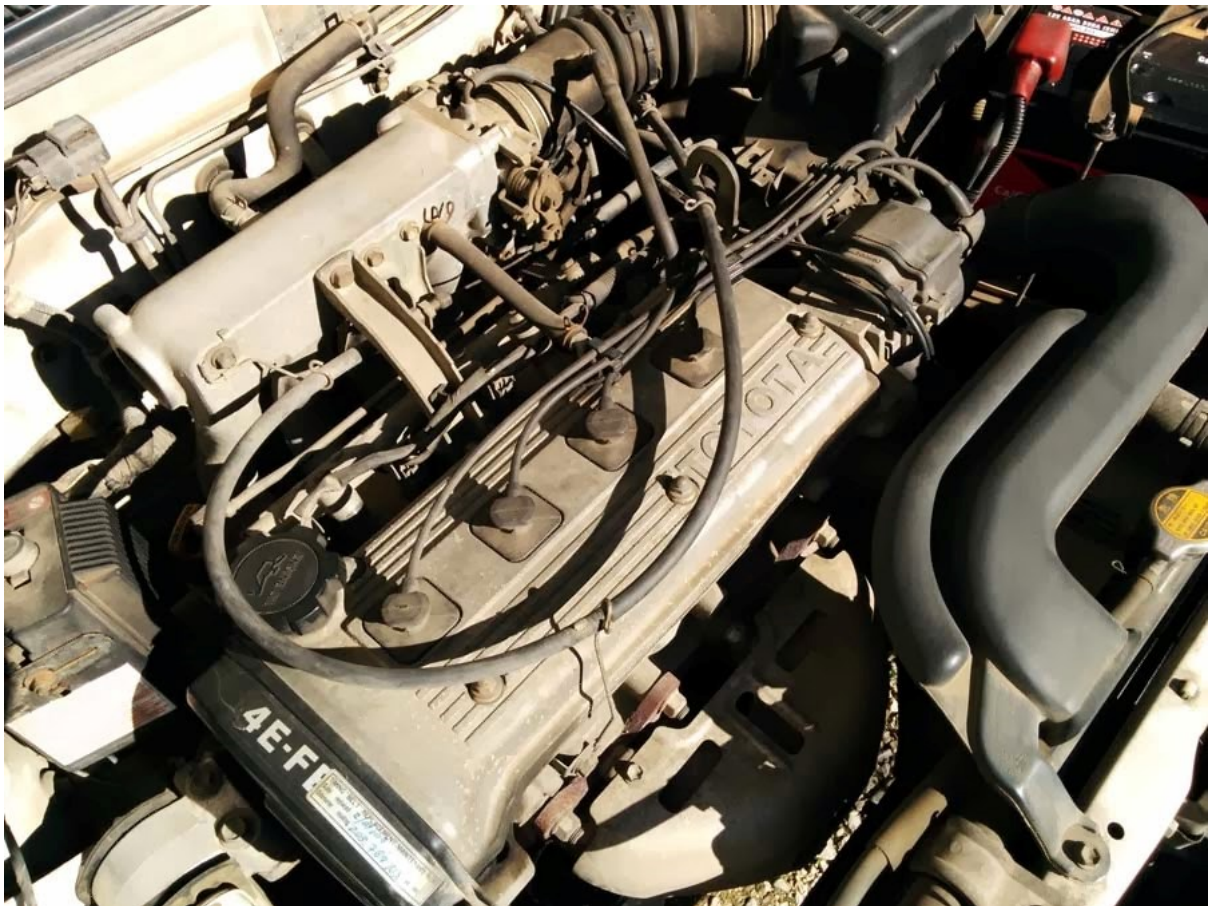
## EP91 under-hood fusebox (main)



|     |                                                                             |
|-----|-----------------------------------------------------------------------------|
| F1  | ABS                                                                         |
| F2  | Air conditioning condenser blower motor                                     |
| F3  | Engine coolant blower motor                                                 |
| F4  | Ignition circuits                                                           |
| F5  | Heater blower                                                               |
| F6  | Main circuits                                                               |
| F7  | Injection system                                                            |
| F8  | Horn, hazard lamps                                                          |
| F9  | Immobilizer, injectors, engine control module, starter motor                |
| F10 | Interior lamps, rear fog lamps, door mirror adjustment, clock, audio system |
| F11 | Alternator                                                                  |
| F12 | Headlamps low beam, headlamps high beam, starter motor                      |
| F13 | Air conditioning                                                            |
| 1   | Engine coolant blower motor relay II                                        |
| 2   | Horn relay                                                                  |
| 3   | Engine control module relay                                                 |
| 4   | Engine coolant blower motor relay III                                       |
| 5   | Heater blower relay                                                         |
| 6   | Air conditioning compressor clutch relay                                    |
| 7   | Engine coolant blower motor relay I                                         |
| 8   | Starter motor relay                                                         |



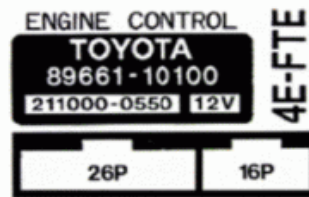
[My Starlet EP91 \(1997\): January 2014 | 675](#)



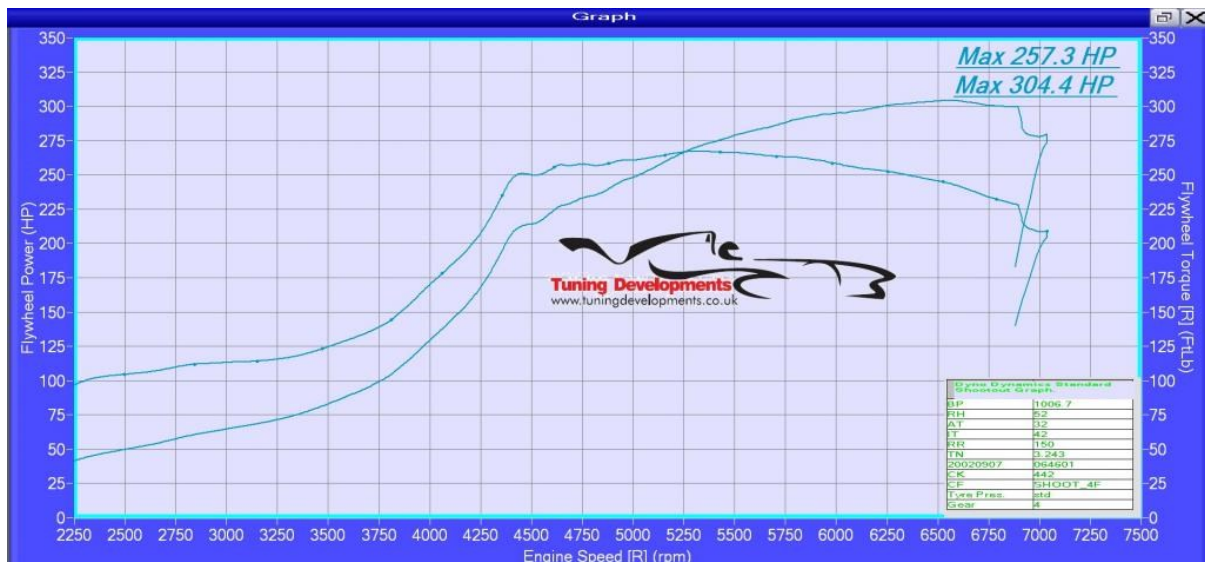
[Wiring Diagrams - EPBIBLE | 578](#)

**Computer Wiring Diagram**  
**4E-FTE - EP82**  
**Part Number: 89661 - 10100**  
**Code: 211000-0550 (MA-5970)**

| Connector 1 |      |                                                                     | Connector 2 |      |                                                                   |
|-------------|------|---------------------------------------------------------------------|-------------|------|-------------------------------------------------------------------|
| 1           | IPV  | Vacuum Switching Valve                                              | 1           | +B1  | Switched Battery Power (12V)                                      |
| 2           | NSW  | Neutral Starter Switch                                              | 2           | BATT | Switched Battery Power (+12V) (EFI Main Relay)                    |
| 3           | THW  | Water Temperature Signal                                            | 3           | CCO  | Check Connector Outputs                                           |
| 4           | PIM  | Pressure Intake Manifold                                            | 4           | FC   | Circuit Opening Relay (Fuel Cut)                                  |
| 5           | THA  | Intake Air Temperature                                              | 5           | ELS  | Electrical Load Signal System Taillight Relay                     |
| 6           | IGT  | Ignition Timing                                                     | 6           | AC2  | 12V To Aircon Computer                                            |
| 7           | IGF  | Ignition Feedback from the Ignitor-Coil                             | 7           | TE2  | Check Connector                                                   |
| 8           | G1   | Distributor                                                         | 8           | TE1  | Check Connector                                                   |
| 9           | G-   | Distributor Crank Angle                                             | 9           | +B   | Switched Battery Power (12V)                                      |
| 10          | OX   | Oxygen Sensor (Lambda Sensor)                                       | 10          | W    | Warning Light                                                     |
| 11          | STA  | Engine Cranking Signal (Starter Switch)                             | 11          | EGW  | Catalytic Converter Temperature Warning Light (Combination Meter) |
| 12          | #10  | Injector Pulse 1 & 3                                                | 12          | AC1  | A/C Switch Signal System (12V to Aircon Computer)                 |
| 13          | E01  | Computer Ground                                                     | 13          | SPD  | Speed Signal                                                      |
| 14          | DISC | Aux. Control Valve or Idle-Up System Vacuum Switching Valve         | 14          | ACT  | A/C Cut Control System                                            |
| 15          | VSV1 | Air Control Vacuum Switching Valve                                  | 15          | BC   | Boost Control                                                     |
| 16          | E2   | Sensor Ground                                                       | 16          | VF   | Check Connector Outputs                                           |
| 17          | PSW  | Throttle Position Sensor                                            |             |      |                                                                   |
| 18          | VCC  | Throttle Position Sensor (pin 1)                                    |             |      |                                                                   |
| 19          | IDL  | Throttle Position Sensor (Signals ECU throttle position is at idle) |             |      |                                                                   |
| 20          | G2   | Distributor                                                         |             |      |                                                                   |
| 21          | NE   | Part of the IIA (Integrated Ignition Assembly) (RPM)                |             |      |                                                                   |
| 22          | E21  | Sensor Ground                                                       |             |      |                                                                   |
| 23          | KNK  | Kneck Sensor                                                        |             |      |                                                                   |
| 24          | E1   | Computer Ground                                                     |             |      |                                                                   |
| 25          | #20  | Injector Pulse 2 & 4                                                |             |      |                                                                   |
| 26          | E02  | Computer Ground                                                     |             |      |                                                                   |



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[EP82 Starlet Wiring And Connectors\\_2 | 1024](#)



# TOYOTA STARLET EP82

## Wiring connections, Connector IDs & Loom Layouts

Rev 1.2 – Last Updated October 2011

Author & Copyright : Alan Mears ©  
Location : Perth, Western Australia  
Contact Email : [alan@mearcat.com.au](mailto:alan@mearcat.com.au)  
Online Forums User Name : Mearcat

This document details a large amount of wiring information which I could ascertain from the two main wiring looms (Cabin & Engine Bay) that was provided with a 1991 (Gen 1) EP82 Toyota Starlet GT (4E-FTE) front cut, however much of the wiring layout and information will be appropriate to later Toyota Starlet models (with eg slightly different connectors or wiring colours).

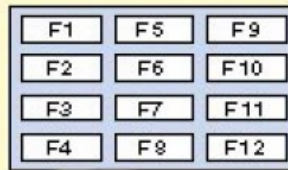
Please note that there are no specific details of wiring connections and connectors in the doors, nor rear wiring loom of the car - due to those parts of the car not included with the front cut. The front cut was a Manual Transmission 4E-FTE which was not fitted with TEMS or ABS, so no specific details of those components could be provided.

To advise of any corrections, please contact me on the above email address.

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| 5    | Connectors 16-30 (Cabin Loom)                     |
| 6    | Connectors 31-42 (Cabin Loom)                     |
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## EP91 under-dash fusebox



|     |                                                                                            |
|-----|--------------------------------------------------------------------------------------------|
| F1  | Heated rear window                                                                         |
| F2  | Instrument gauges, alternator, reverse lamps                                               |
| F3  | Indicators                                                                                 |
| F4  | Audio system, cigarette lighter, clock airbag                                              |
| F5  | Windscreen wiper motor, rear screen wiper                                                  |
| F6  | ABS control module                                                                         |
| F7  | Spare                                                                                      |
| F8  | Spare                                                                                      |
| F9  | Tail lamps, side lamps, licence plate lamps, switch illumination, headlamp beam adjustment |
| F10 | Stop lamps, ABS control module                                                             |
| F11 | Immobilizer                                                                                |
| F12 | Ignition system, airbag                                                                    |

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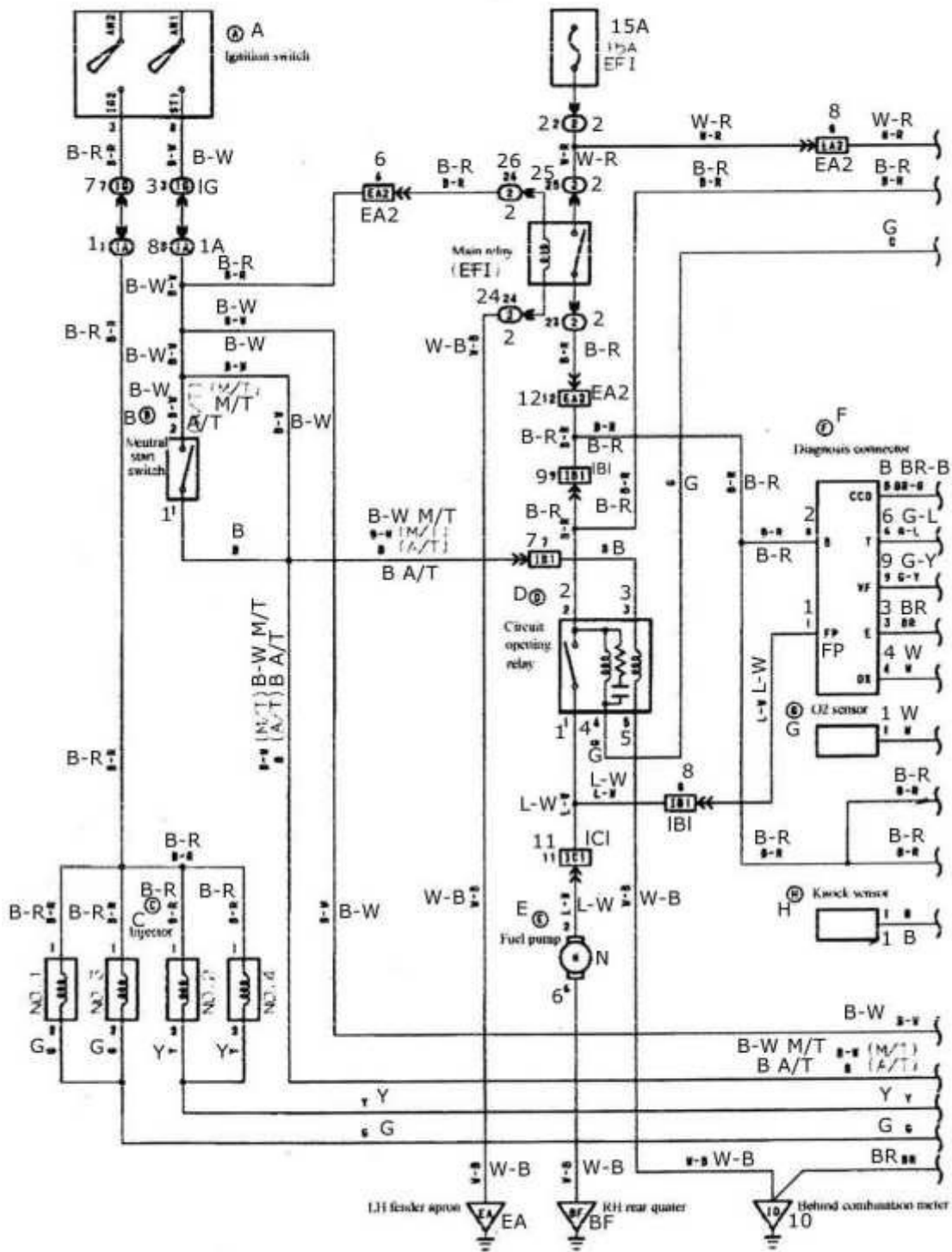
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DANIEL - BOOST SWITCH RUN HIGH