

**VW 2 litre AGG engine.  
Simos electronic engine management**

**Engine Loom connector – T28a**

| Pin                    | Colour       |              | Connecting to                                | Purpose   | Notes   |
|------------------------|--------------|--------------|--|---|---|
|                        | Main         | Trace        |  |   |   |
| 1                      |              |              |  |   | <i>No wire present</i>                              |
| 2                      |              |              |  |   | <i>No wire present</i>                              |
| 3                      |              |              |  |   | <i>No wire present</i>                              |
| 4                      | <i>White</i> | <i>Blue</i>  | <i>To dash</i>                               | <i>Gearbox speed sensor</i>                       |   |
| 5                      | <i>Black</i> | -            |  | <i>Gearbox speed sensor</i>                       | <i>Ignition live supply to sensor</i>               |
| 6                      | Brown        | Blue         | T68/35                                       | Inlet manifold temperature sensor & sensors earth | Heavier wire  |
| 7                      | Green        | Black        | To dash                                      | Oil temperature sender                            | (listed as green/white)                             |
| 8                      | Brown        | White        | To dash                                      | Cylinder head earth connection to loom earth      | Connect to brown from T68/1                         |
| 9                      | Blue         | -            | T68/12                                       | Coolant temperature sensor                        |   |
| 10                     | Yellow       | Red          | to yellow/red in JX loom                     | Coolant gauge temp sender                         | (To dash)   |
| 11                     | Brown        | Red          | T10  | Fan run-on switch                                 | Listed as brown/black.                              |
| 12                     | Blue         | Black        | to blue/black in JX loom                     | Oil pressure switch                               | (To dash)   |
| 13                     | Yellow       | -            | to yellow in JX loom                         | Oil pressure switch                               | (To dash)   |
| 14                     | White        | Yellow       |  | Inlet manifold temperature sensor                 |   |
| 15                     | Green        | White        | T68/44                                       | Hall sender (distributor)                         |   |
| 16                     | Red          | Black        | T68/45                                       | Ditto   |   |
| 17                     | Red          | -            | Fuel pump relay output                       | Power to injectors                                |   |
| 18                     | <i>Lilac</i> | <i>Brown</i> |  | <i>Inlet manifold changeover valve</i>            | <i>Other side is red/yellow from injector power</i> |
| 19                     | Red          | Blue         | T68/40                                       | Throttle position module                          |   |
| 20                     | Red          | white        | T68/41                                       | Throttle position module                          |   |
| 21                     | Grey         | -            | T68/2  | Injector 1  | Switched earth by ECU                               |
| 22                     | Grey         | Green        | T68/46                                       | Injector 2  | Switched earth by ECU                               |
| 23                     | Grey         | Red          | T68/47                                       | Injector 3  | Switched earth by ECU                               |
| 24                     | Grey         | Blue         | T68/48                                       | Injector 4  | Switched earth by ECU                               |
| 25                     | White        | -            | T68/25                                       | Throttle position module                          |   |
| 26                     | Red          | Grey         | T68/28                                       | Throttle position module                          |   |
| 27                     | Grey         | Yellow       | T68/18                                       | Throttle position module                          |   |
| 28                     | Black        | -            | T68/30                                       | Throttle position module                          |   |
|                        |              |              | These circuits not required or pins not used |   | <i>Wires in italics not present in this harness</i> |
| <b>Crank Sensor T3</b> |              |              |  |   |   |
|                        | Brown        | Blue         | T68/16                                       |   |   |
|                        | Green        | Black        | T68/67                                       |   |   |
|                        | Red          | yellow       | T68/68                                       |   |   |
| <b>Knock Sensor T3</b> |              |              |  |   |   |
|                        | Black        | -            | T68/9  |   |   |
|                        | Blue         | -            | T68/34                                       |   |   |
|                        | Grey         | -            | T68/36                                       |   |   |