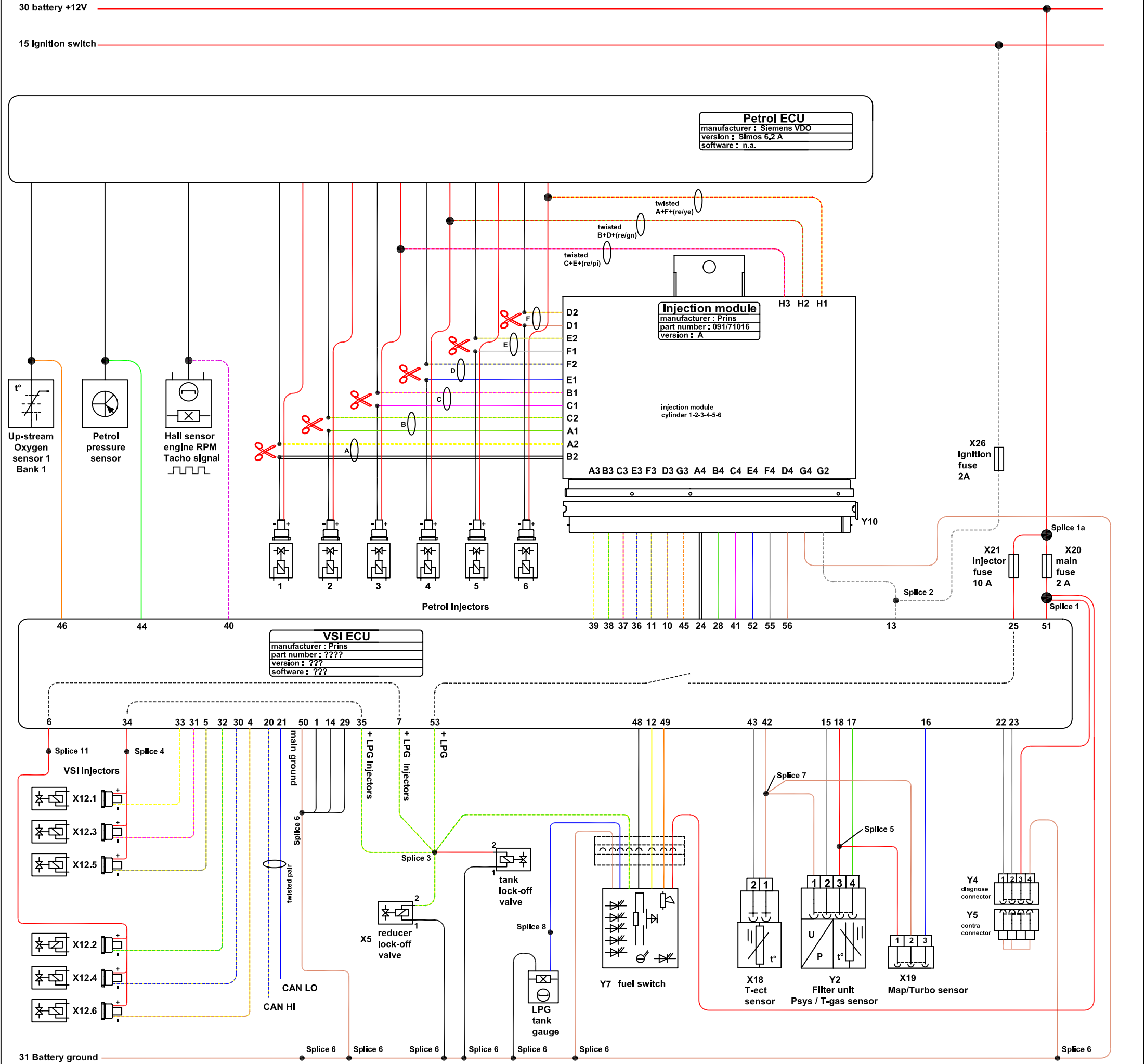


080/72162 VSI-LPG DI 6 cylinder wiring diagram Audi 3.2 (AUK)  
Firing order 1-4-3-6-2-5



| injection module |                 |              |                       |
|------------------|-----------------|--------------|-----------------------|
| A1               | Petrol Injector | green        | mIn Inj slide 2       |
| B1               | Petrol ECU      | pink/yellow  | 37 ECU side 3         |
| C1               | Petrol Injector | plnk         | mIn Inj slide 3       |
| D1               | Petrol Injector | brown        | mIn Inj slide 6       |
| E1               | Petrol Injector | blue         | mIn Inj slide 4       |
| F1               | Petrol injector | grey         | min inj slide 5       |
| G1               | sealed          | --           | --                    |
| H1               | Petrol ECU      | red/yellow   | ECU HIGH A ( cil 1&6) |
| A2               | Petrol ECU      | white/yellow | 39 ECU side 1         |
| B2               | Petrol injector | white        | min inj slide 1       |
| C2               | Petrol ECU      | green-yellow | 38 ECU side 2         |
| D2               | Petrol ECU      | brown/yellow | 10 ECU side 6         |
| E2               | Petrol ECU      | grey/yellow  | 11 ECU side 5         |
| F2               | Petrol ECU      | blue/yellow  | 36 ECU side 4         |
| G2               | VSI ECU         | grey/white   | 13 Ignition plus      |
| H2               | Petrol ECU      | red/green    | ECU HIGH B ( cil 2&5) |
| A3               | VSI ECU         | white/yellow | 39 ECU side 1         |
| B3               | VSI ECU         | green/yellow | 38 ECU side 2         |
| C3               | VSI ECU         | pink/yellow  | 37 ECU side 3         |
| D3               | VSI ECU         | brown/yellow | 10 ECU side 6         |
| E3               | VSI ECU         | blue/yellow  | 36 ECU side 4         |
| F3               | VSI ECU         | grey/yellow  | 11 ECU side 5         |
| G3               | VSI ECU         | orange/white | 45 ECU (Im temp)      |
| H3               | Petrol ECU      | red/pink     | ECU HIGH C ( cil 3&4) |
| A4               | VSI ECU         | white        | 24 ECU (Im_cmd_1)     |
| B4               | VSI ECU         | green        | 28 ECU (Im_cmd_2)     |
| C4               | VSI ECU         | pink         | 41 ECU (Im_cmd_3)     |
| D4               | VSI ECU         | brown        | 56 ECU (Im_cmd_6)     |
| E4               | VSI ECU         | blue         | 52 ECU (Im_cmd_4)     |
| F4               | VSI ECU         | grey         | 55 ECU (Im_cmd_5)     |
| G4               | VSI ECU         | brown        | 31 ground (splice 6)  |
| H4               | sealed          | --           | --                    |

| pin                | vsi wire              | color        | pin | vsi wire         | color        | pin | vsi wire             | color        | pin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | vsi wire        | color          |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
|--------------------|-----------------------|--------------|-----|------------------|--------------|-----|----------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|-----------|-----------|---------------|---------------|--------------------|-------------|-------------------|-------------|--------------------|-------------|--------------------|---------------|---------|-----|
| 1                  | ground                | black        | 20  | CAN HI           | blue-yellow  | 40  | RPM engine speed     | purple-white | 52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Im_cmd_4        | blue           |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| 2                  | sealed                |              | 21  | CAN LO           | blue         | 41  | Im_cmd_3             | pink         | 53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | + switch        | green/yellow   |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| 3                  | sealed                |              | 22  | RS232 Tx/D       | grey         | 42  | Sensor ground ECT    | brown        | 53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | + tank valve    | red            |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| 4                  | G INJ OUT 6           | blue/yellow  | 23  | RS232 Rx/D       | grey         | 42  | Sensor ground MAP    | brown        | 53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | + reducer valve | green-yellow   |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| 5                  | G INJ OUT 5           | grey/yellow  | 24  | Im_cmd_1         | white        | 42  | Sensor ground P/Tsys | brown        | 54                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | sealed          |                |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| 6                  | + G INJ B OUT         | red          | 25  | +12 volt battery | red          | 43  | ECT coolant temp.    | grey         | 55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Im_cmd_5        | grey           |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| 7                  | + G INJ B IN          | green-yellow | 26  | sealed           |              | 44  | Petrol (HP)          | green        | 56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Im_cmd_6        | brown          |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| 8                  | sealed                |              | 27  | sealed           |              | 45  | Im_temp              | orange-white | <div><br/>Prins Alternative Fuel Systems</div> <table><tr><td>Project name :</td><td>Audi 3.2V6 AUK</td></tr><tr><td>Part nr :</td><td>080/72162</td></tr><tr><td>Description :</td><td>LPG 6 cyl. DI</td></tr><tr><td>Designed by / date</td><td>JT 16-04-10</td></tr><tr><td>Checked by / date</td><td>RK 12-07-11</td></tr><tr><td>Approved by / date</td><td>RK 12-07-11</td></tr><tr><td>Revision by / date</td><td>A/JT 11-07-11</td></tr><tr><td>Sheet :</td><td>1/1</td></tr></table> | Project name :  | Audi 3.2V6 AUK | Part nr : | 080/72162 | Description : | LPG 6 cyl. DI | Designed by / date | JT 16-04-10 | Checked by / date | RK 12-07-11 | Approved by / date | RK 12-07-11 | Revision by / date | A/JT 11-07-11 | Sheet : | 1/1 |
| Project name :     | Audi 3.2V6 AUK        |              |     |                  |              |     |                      |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| Part nr :          | 080/72162             |              |     |                  |              |     |                      |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| Description :      | LPG 6 cyl. DI         |              |     |                  |              |     |                      |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| Designed by / date | JT 16-04-10           |              |     |                  |              |     |                      |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| Checked by / date  | RK 12-07-11           |              |     |                  |              |     |                      |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| Approved by / date | RK 12-07-11           |              |     |                  |              |     |                      |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| Revision by / date | A/JT 11-07-11         |              |     |                  |              |     |                      |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| Sheet :            | 1/1                   |              |     |                  |              |     |                      |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| 9                  | sealed                |              | 28  | Im_cmd_2         | green        | 46  | lambda bank 1        | orange       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| 10                 | Im_sig_6              | brown/yellow | 29  | G INJ A ground   | black        | 47  | sealed               |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| 11                 | Im_sig_5              | grey/yellow  | 30  | G INJ OUT 4      | blue-yellow  | 48  | beeper low switching | black        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| 12                 | pulse fuel switch     | yellow       | 31  | G INJ OUT 3      | pink-yellow  | 49  | diagnose LED         | orange       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| 13                 | + ignition            | grey-white   | 32  | G INJ OUT 2      | green-yellow | 50  | main ground          | brown        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| 14                 | ground                | black        | 33  | G INJ OUT 1      | white-yellow | 50  | reducer valve ground | brown        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| 15                 | T-Gas                 | grey         | 34  | + G INJ A OUT    | red          | 50  | tank valve ground    | brown        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| 16                 | MAP                   | blue         | 35  | + G INJ A IN     | yellow-green | 50  | diagnose ground      | brown        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| 17                 | Psys                  | green        | 36  | Im_sig_4         | blue-yellow  | 50  | switch ground        | brown        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| 18                 | +5V supply P/T sensor | red          | 37  | Im_sig_3         | pink-yellow  | 51  | +12 volt fuel switch | red          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| 18                 | +5V supply MAP        | red          | 38  | Im_sig_2         | green-yellow | 51  | +12 volt diagnose    | red          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |
| 19                 | sealed                |              | 39  | Im_sig_1         | white-yellow | 51  | +12 volt battery     | red          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |           |           |               |               |                    |             |                   |             |                    |             |                    |               |         |     |