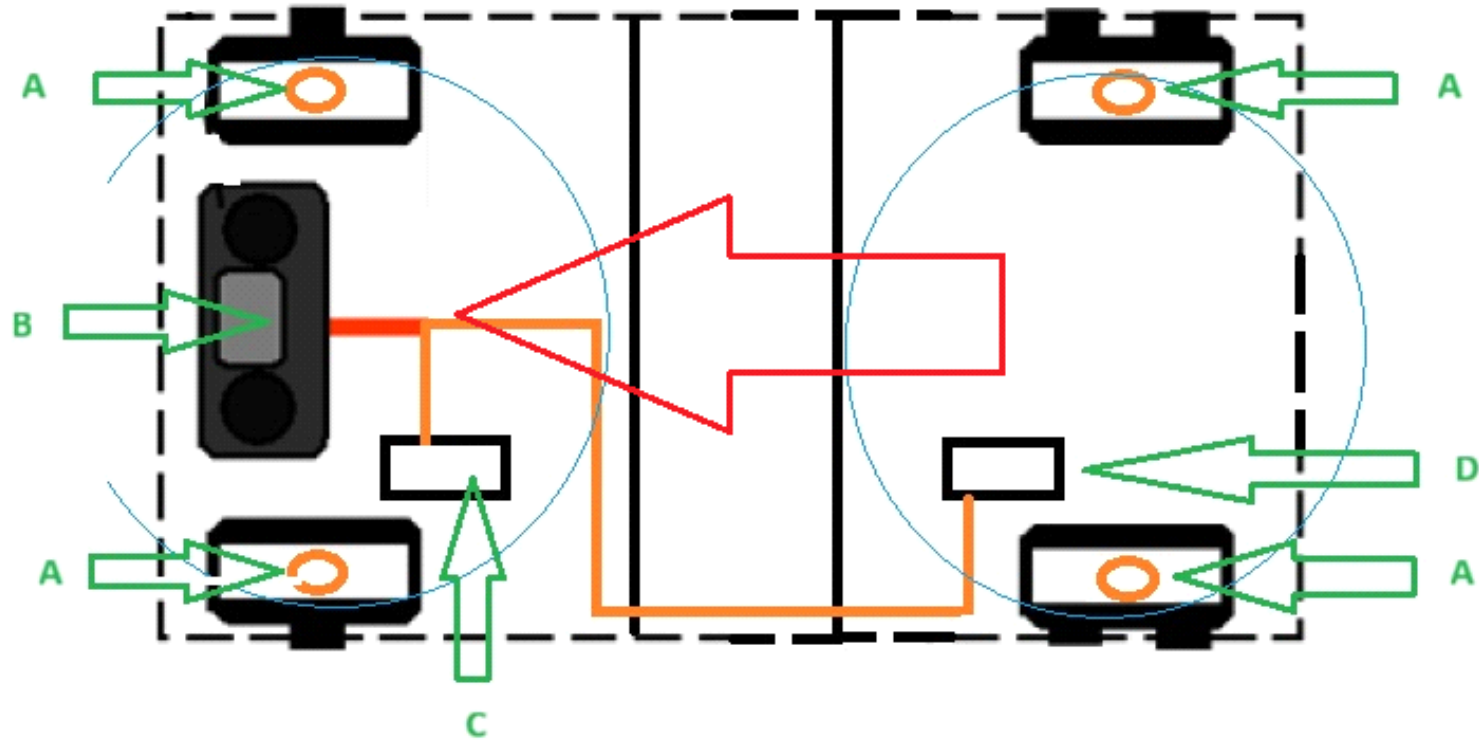


# DTC trouble codes TPMS system

## Components arrangement



|   |             |
|---|-------------|
| A | TPMS SENSOR |
| B | DISPLAY 10" |
| C | ECU MASTER  |
| D | ECU SLAVE   |

| SPN  | Parameter | FMI | Source Address | Failure mode                                  | Categories |
|------|-----------|-----|----------------|-----------------------------------------------|------------|
| 927  | Warning   | 5   | 51             | LS1 - Open load or short to GND               | TMPS       |
| 929  | Warning   | 12  | 51             | Bad variables in EEPROM / Compatibility       | TMPS       |
| 959  | Warning   | 19  | 51             | TimeOut of VTD Message / Compatibility        | TMPS       |
| 1121 | Warning   | 19  | 51             | TimeOut of EBC1 or CCVS Message Compatibility | TMPS       |
| 927  | Warning   | 3   | 51             | LS1 - short to Battery                        | TMPS       |
| 928  | Warning   | 3   | 51             | LS2 - short to Battery                        | TMPS       |
| 639  | Warning   | 8   | 51             | CAN BusOff                                    | TMPS       |

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|      |                          |    |    |                                 |      |
|------|--------------------------|----|----|---------------------------------|------|
| 929  | Warning                  | 12 | 51 | PIC/Main communication failure  | TMPS |
| 929  | Warning                  | 12 | 51 | Writing EEPROM failure          | TMPS |
| 929  | Warning                  | 13 | 51 | ID's checksum failure           | TMPS |
| 929  | Warning                  | 13 | 51 | Parameters checksum failure     | TMPS |
| 928  | Warning                  | 5  | 51 | LS2 - Open load or short to GND | TMPS |
| 0    | Warning                  | -  | 51 |                                 | TMPS |
| 0    | Warning                  | -  | 51 |                                 | TMPS |
| 929  | Warning                  | -  | 51 | invalid vehicle configuration   | TMPS |
| 929  | Warning                  | 12 | 51 | EEPROM failure                  | TMPS |
| 3411 | Tire front Left (id00)   | 0  | 51 | critical rim temperature        | TMPS |
| 3414 | Tire front Righth (id03) | 0  | 51 | critical rim temperature        | TMPS |
| 3421 | Tire rear Left (id13)    | 0  | 51 | critical rim temperature        | TMPS |
| 3424 | Tire rear Righth (id10)  | 0  | 51 | critical rim temperature        | TMPS |
| 3011 | Tire front Left (id00)   | 0  | 51 | extreme Overpressure            | TMPS |
| 3014 | Tire front Righth (id03) | 0  | 51 | extreme Overpressure            | TMPS |
| 3021 | Tire rear Left (id13)    | 0  | 51 | extreme Overpressure            | TMPS |
| 3024 | Tire rear Righth (id10)  | 0  | 51 | extreme Overpressure            | TMPS |
| 3011 | Tire front Left (id00)   | 1  | 51 | extreme Underpressure           | TMPS |
| 3014 | Tire front Righth (id03) | 1  | 51 | extreme Underpressure           | TMPS |
| 3021 | Tire rear Left (id13)    | 1  | 51 | extreme Underpressure           | TMPS |
| 3024 | Tire rear Righth (id10)  | 1  | 51 | extreme Underpressure           | TMPS |
| 3011 | Tire front Left (id00)   | 16 | 51 | Overpressure                    | TMPS |
| 3014 | Tire front Righth (id03) | 16 | 51 | Overpressure                    | TMPS |
| 3021 | Tire rear Left (id13)    | 16 | 51 | Overpressure                    | TMPS |
| 3024 | Tire rear Righth (id10)  | 16 | 51 | Overpressure                    | TMPS |
| 3011 | Tire front Left (id00)   | 18 | 51 | Underpressure                   | TMPS |
| 3014 | Tire front Righth (id03) | 18 | 51 | Underpressure                   | TMPS |
| 3021 | Tire rear Left (id13)    | 18 | 51 | Underpressure                   | TMPS |
| 3024 | Tire rear Righth (id10)  | 18 | 51 | Underpressure                   | TMPS |
| 3111 | Tire front Left (id00)   | 1  | 51 | air leakage (High)              | TMPS |
| 3114 | Tire front Righth (id03) | 1  | 51 | air leakage (High)              | TMPS |
| 3121 | Tire rear Left (id13)    | 1  | 51 | air leakage (High)              | TMPS |
| 3124 | Tire rear Righth (id10)  | 1  | 51 | air leakage (High)              | TMPS |
| 3111 | Tire front Left (id00)   | 18 | 51 | air leakage (Medium)            | TMPS |
| 3114 | Tire front Righth (id03) | 18 | 51 | air leakage (Medium)            | TMPS |
| 3121 | Tire rear Left (id13)    | 18 | 51 | air leakage (Medium)            | TMPS |
| 3124 | Tire rear Righth (id10)  | 18 | 51 | air leakage (Medium)            | TMPS |
| 3111 | Tire front Left (id00)   | 17 | 51 | air leakage (Low)               | TMPS |
| 3114 | Tire front Righth (id03) | 17 | 51 | air leakage (Low)               | TMPS |

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|      |                          |    |    |                                                                                                        |      |
|------|--------------------------|----|----|--------------------------------------------------------------------------------------------------------|------|
| 3121 | Tire rear Left (id13)    | 17 | 51 | air leakage (Low)                                                                                      | TMPS |
| 3124 | Tire rear Righth (id10)  | 17 | 51 | air leakage (Low)                                                                                      | TMPS |
| 3211 | Tire front Left (id00)   | 4  | 51 | WM Battery low voltage                                                                                 | TMPS |
| 3214 | Tire front Righth (id03) | 4  | 51 | WM Battery low voltage                                                                                 | TMPS |
| 3221 | Tire rear Left (id13)    | 4  | 51 | WM Battery low voltage                                                                                 | TMPS |
| 3224 | Tire rear Righth (id10)  | 4  | 51 | WM Battery low voltage                                                                                 | TMPS |
| 3011 | Tire front Left (id00)   | 12 | 51 | Module Data older then "High" Thereshold & vehicle moving or no speed available                        | TMPS |
| 3014 | Tire front Righth (id03) | 12 | 51 | Module Data older then "High" Thereshold & vehicle moving or no speed available                        | TMPS |
| 3021 | Tire rear Left (id13)    | 12 | 51 | Module Data older then "High" Thereshold & vehicle moving or no speed available                        | TMPS |
| 3024 | Tire rear Righth (id10)  | 12 | 51 | Module Data older then "High" Thereshold & vehicle moving or no speed available                        | TMPS |
| 3011 | Tire front Left (id00)   | 16 | 51 | Module Data older then "medium" Thereshold                                                             | TMPS |
| 3014 | Tire front Righth (id03) | 16 | 51 | Module Data older then "medium" Thereshold                                                             | TMPS |
| 3021 | Tire rear Left (id13)    | 16 | 51 | Module Data older then "medium" Thereshold                                                             | TMPS |
| 3024 | Tire rear Righth (id10)  | 16 | 51 | Module Data older then "medium" Thereshold                                                             | TMPS |
| 3011 | Tire front Left (id00)   | 15 | 51 | Module Data older then "small" Thereshold                                                              | TMPS |
| 3014 | Tire front Righth (id03) | 15 | 51 | Module Data older then "small" Thereshold                                                              | TMPS |
| 3021 | Tire rear Left (id13)    | 15 | 51 | Module Data older then "small" Thereshold                                                              | TMPS |
| 3024 | Tire rear Righth (id10)  | 15 | 51 | Module Data older then "small" Thereshold                                                              | TMPS |
| 3011 | Tire front Left (id00)   | 2  | 51 | Module Data older then "High" Thereshold & vehicle standing - this fault is disabled via parameter set | TMPS |
| 3014 | Tire front Righth (id03) | 2  | 51 | Module Data older then "High" Thereshold & vehicle standing - this fault is disabled via parameter set | TMPS |
| 3021 | Tire rear Left (id13)    | 2  | 51 | Module Data older then "High" Thereshold & vehicle standing - this fault is disabled via parameter set | TMPS |
| 3024 | Tire rear Righth (id10)  | 2  | 51 | Module Data older then "High" Thereshold & vehicle standing - this fault is disabled via parameter set | TMPS |