## Component Location







## General Description

CAN communication is a parallel circuit to interchange information among each units. CAN communication can share much information with units more faster and more efficiently by using specified language.

CAN-High line is twisted with CAN-Low line as a purpose in preventing from a noise.

The operating duty of EMC is maintained at 100 : 0 (2WD) for guaranteeing stabilized driving force, accuracy of the control during inside ABS, FTCS, ESP control.

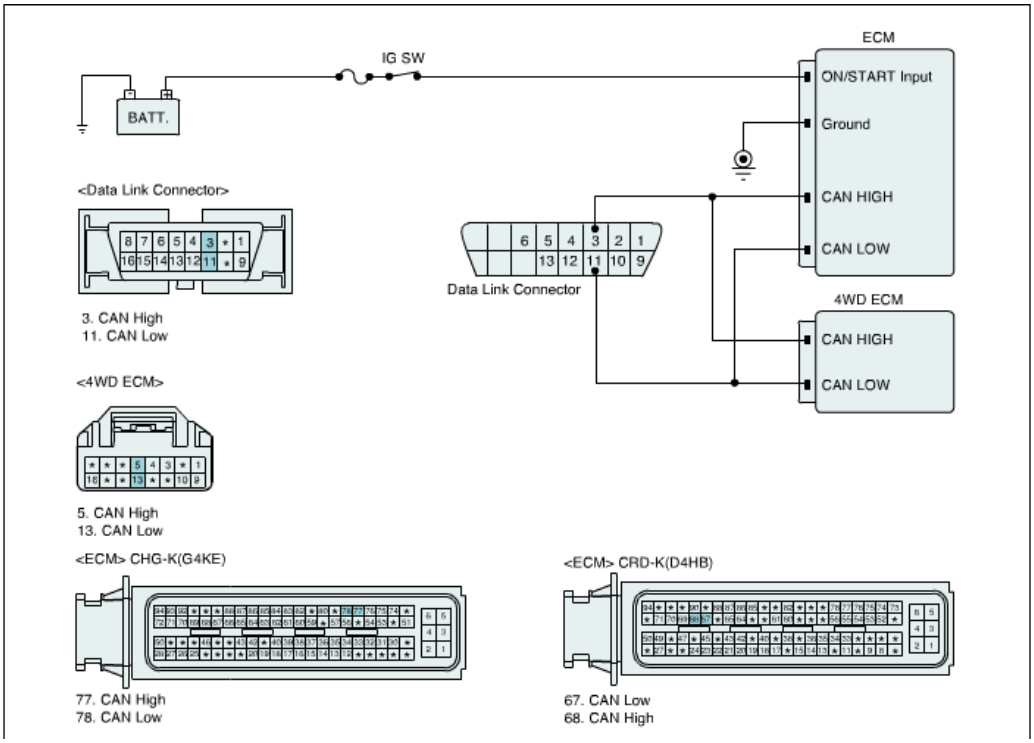
## DTC Description

The 4WD ECM sets DTC P0727 if it doesn't receive RPM signals from ECM.

## DTC Detecting Condition

| Item | Detecting Condition | Possible cause |
|---|---|---|
| DTC Strategy | • Signal monitoring | • Poor Connection<br>• Power supply to each module<br>• Open or short in communication line of ECM<br>• Open or short in communication line of 4WD ECM<br>• Faulty 120Ω registor (IPM)<br>• Faulty PCM |
| Enable Conditions | • IG ON | |
| Threshold value | • it doesn't receive RPM signals from ECM. | |
| Detecting time | • 2sec. | |
| Check Lamp | • Lamp ON | |

## Diagnostic Circuit Diagram


IG SW
BATT.
ECM
ON/START Input
Ground
CAN HIGH
CAN LOW
<Data Link Connector>
3. CAN High
11. CAN Low
Data Link Connector
4WD ECM
CAN HIGH
CAN LOW
<4WD ECM>
5. CAN High
13. CAN Low
<ECM> CHG-K(G4KE)
77. CAN High
78. CAN Low
<ECM> CRD-K(D4HB)
67. CAN Low
68. CAN High