

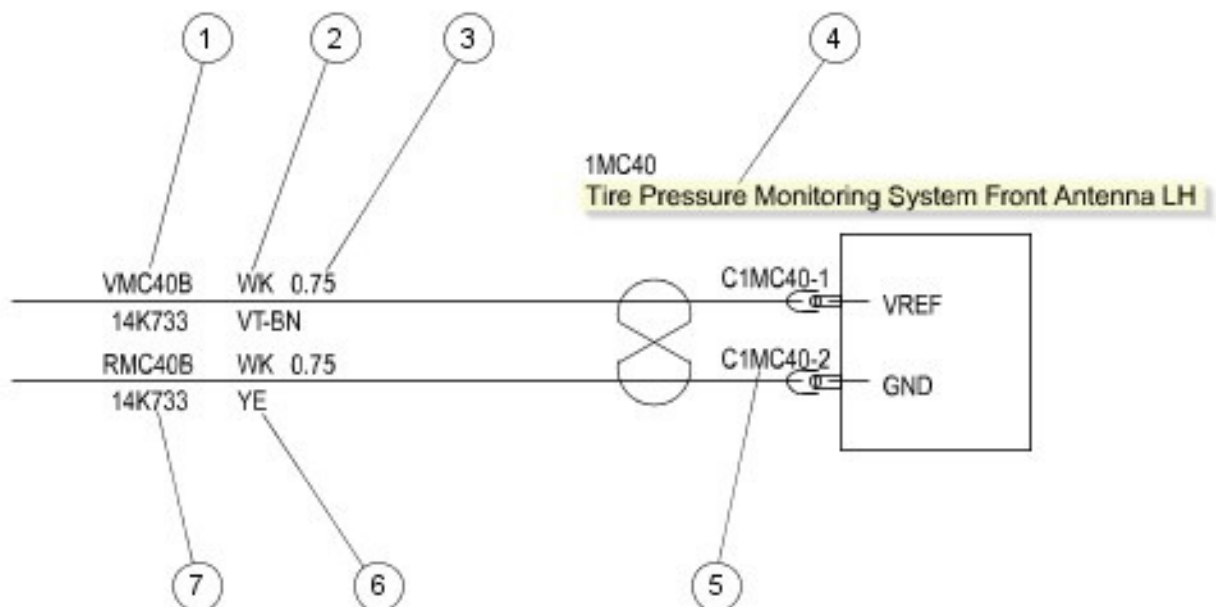
Description and Operation

How to Use This Manual

This manual is structured into Systems, Groups and Sections. A System covers a specific portion of the vehicle. The manual is divided into six Systems: General Information, Chassis, Powertrain, Electrical, Body and Paint and General Wiring Information. Each System contains a number of Groups that contain a number of Sections relating to specific vehicle systems. Each Section contains a wiring diagram containing all of the information relating to the specific vehicle system. Some Sections contain a number of wiring diagrams that cover a number of different vehicle variants. Connector location information and connector face views are provided through links within the wiring diagram for each vehicle system.

Example: Chassis > Brake System > Anti-Lock Control (System > Group > Section)

Wiring Diagram Format



E89363

Item	Part Number	Description
1	-	Circuit code
2	-	Wire insulation specification (temperature)
3	-	Wire diameter (mm ²)
4	-	Component name
5	-	Connector code
6	-	Wire color code
7	-	Wiring harness code

Circuit Code

Position	Description
1	Electrical potential
2	System
3	Sub-system
4 and 5	Function

Some circuit codes also have a suffix. Suffixes are used when parts of a circuit are separated with a connector.

Position 1: Potential

Code	Description
G	GND (ground)
S	Standard voltage
H	Higher than standard voltage
C	Changing or switched
V	Variable signal
L	Lower than standard voltage
R	Return or reference
D	Drain wire
Z	Any of the above with a temporary function

Position 2: System

Code	Description
A	Special vehicle
B	Circuit protection
C	Chassis
D	Electrical distribution
E	Engine and transmission
H	Heating
L	Lighting
M	Multimedia (Information and entertainment)
P	Power convenience
R	Supplemental restraints
Y	Hybrid electric powertrain

Position 3: Sub-system

System Code	Sub-system Code	Description
A	1	Temporary functions for any sub-system
A	2	Temporary functions for any sub-system
A	3	Temporary functions for any sub-system
A	A	Ambulance
A	C	Customer access
A	P	Police
A	T	Trailer tow
A	X	Taxi
B	1	AJB (auxiliary junction box)
B	B	BJB (battery junction box), EJB (engine junction box)
B	F	Pre-fuse box
B	K	Power pack circuit protection
B	P	CJB (central junction box)

B	R	RJB (rear junction box)
B	X	Special power circuits
C	A	Anti-lock control, traction control, stability assist
C	B	Brake system
C	D	Adaptive damping
C	F	Four-wheel drive
C	L	Suspension
C	S	Power steering
D	1	GND points
D	9	Special GND and return circuits
D	B	Diagnostic bus
D	C	Charging, starting, cigar lighter, power outlet socket
D	F	Fuse link wires, mega fuse
E	1	PCM (powertrain control module)
E	2	PCM
E	3	PCM
E	4	PCM
E	5	Powertrain controller, diode, driver, monitor, pump
E	6	Powertrain relay, resistor, runner
E	7	Powertrain sensor
E	8	Powertrain sensor
E	9	Powertrain switch, transducer, valve
E	C	Engine cooling
E	S	Speed control
E	T	Transmission/transaxle, differential, axle
H	1	Climate control module
H	2	Climate control module
H	3	Climate controls
H	4	Climate control relay, resistor, sensor, switch, transducer
H	A	Auxiliary climate control
H	C	Engine block heater
H	F	Fuel fired booster heater
H	P	Electric booster heater
H	S	Heated seats
L	F	Front lamps
L	N	Interior lamps, courtesy lamps, instrument panel illumination
L	S	Rear lamps, turn signal lamps
M	C	Instrument cluster, information and message center, tachograph
M	E	Information and entertainment
M	F	Forward collision avoidance
M	M	Communication, cellular phone, voice control
M	N	Navigation
M	P	Parking aid
M	R	Rear passenger entertainment
M	T	Telematics
P	K	Keyless vehicle
P	L	Locks

P	M	Rear view mirrors
P	P	Adjustable pedals, steering column
P	R	Power roof, doors, side steps
P	S	Power seats
P	W	Power windows
R	1	RCM (restraints control module), air bag module, side air curtain module
R	2	Impact sensor, PAD (passenger air bag deactivation) switch
R	B	Blind spot monitoring
R	D	Heated windshield, rear window, mirrors, washer jets
R	H	Horn
R	P	Pedestrian protection
R	T	Anti-theft
R	W	Windshield wipers and washers, rear window wiper and washer, headlamp washers
Y	A	DC (direct current)/AC (alternating current) inverter
Y	B	Traction battery
Y	D	DC/AC converter
Y	T	Hybrid power split transmission/transaxle

Wire Insulation Specification (Temperature)

Code	Temperature
WA	100°C
WK	125°C
WE	150°C

Connector Code - Component, GND and Splice

Code Position	Description
1	C = connector, G = GND and S = splice
2	Connector location
3	System
4	Sub-system
5	Function
6	Function
7	Suffix (only used if multiple connectors exist)

Connector locations are shown graphically and displayed by selecting the appropriate link on the wiring diagram.

Connector Code - Harness Connectors

Code Position	Description
1	C = connector
2	Connector location
3	Location of the connected system
4	Suffix (only used if multiple connectors exist)

Connector locations are shown graphically and displayed by selecting the appropriate link on the wiring diagram.

Wire Color Code

Code	Color
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BK	Black
BN	Brown
BU	Blue
GN	Green
GY	Gray
LG	Light green
NA	Natural
OG	Orange
PK	Pink
RD	Red
SR	Silver
VT	Purple
WH	White
YE	Yellow