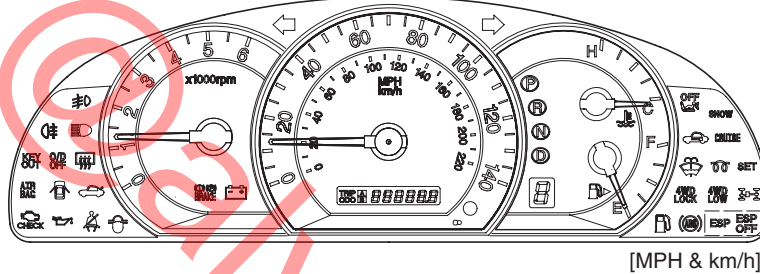
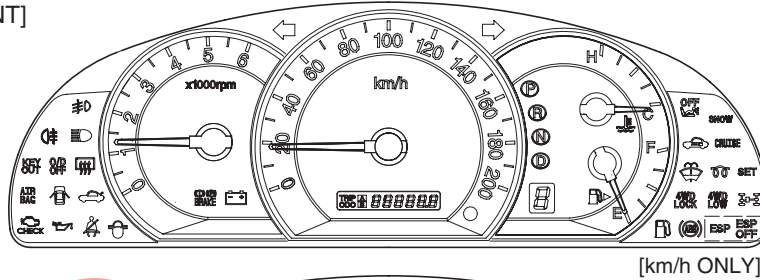


INDICATORS AND GAUGES

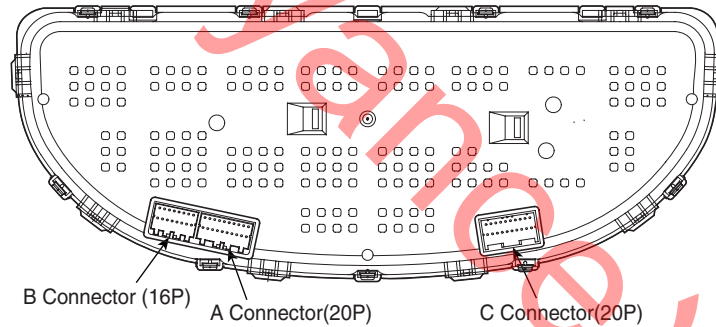
INSTRUMENT CLUSTER

COMPONENTS E85AF835

[FRONT]



[REAR]



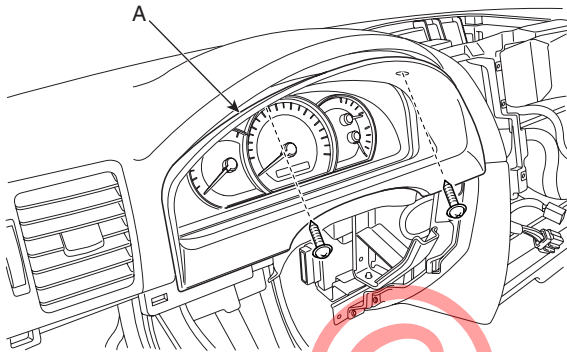
Connector A		Connector B		Connector C	
NO.	CONNECTION	NO.	CONNECTION	NO.	CONNECTION
1	IG+	1	CHECK ENGINE	1	SNOW
2	TEMP INPUT	2	WATER SEPARATOR	2	PAB
3	FUEL INPUT	3	O/D OFF	3	CRUISE
4	FUEL GND	4	TRUNK OPEN	4	4WD LOW
5	ILL (-)	5	Rr-FOG	5	4WD
6	ILL (+)	6	HIGH BEAM GND	6	ESP
7	-	7	HIGH BEAM INPUT (+)	7	ESP OFF
8	OVER SPEED WARN'G	8	FRONT FOG	8	SET
9	-	9	CHARGE	9	VAS OUT
10	-	10	PARKING BRAKE	10	TURN-R
11	B+	11	SEAT BELT	11	GLOW
12	TURN-L	12	OIL PRESSURE	12	4WD LOCK
13	SIGNAL GND	13	AIR BAG SUPPLY(+)	13	ABS
14	TACHO INPUT	14	AIR BAG INPUT	14	WASHER LOW
15	SPEED INPUT	15	DOOR OPEN	15	IMMO
16	4P OUT	16	Rr-DEF	16	D
17	-			17	N
18	KEY OUT (PIC)			18	R
19	PWM SIGNAL			19	P
20	EBD			20	POWER GND

INDICATORS AND GAUGES

BE -33

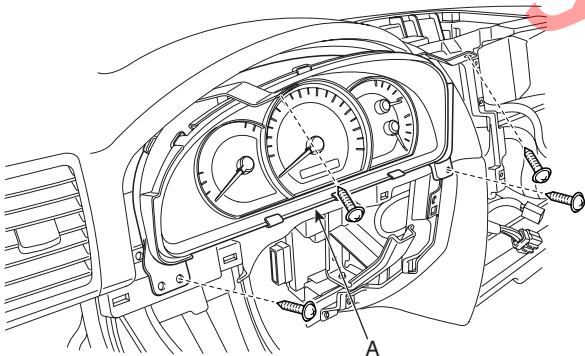
REMOVAL ECDB2CCE

1. Disconnect the negative (-) battery terminal.
2. Remove the cluster fascia panel (A) after loosening 2 screws (Refer to Body group - Crash pad)



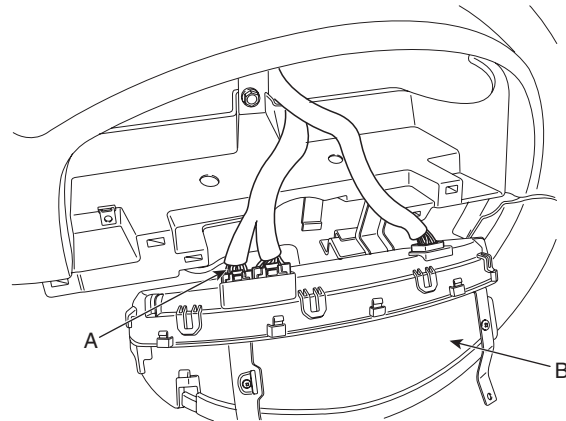
SBLBE6223D

3. Pull out the cluster (A) from the housing after removing 4 screws.



SBLBE6224D

4. Disconnect the cluster connector (A) and then remove the cluster (B).



SBLBE6225D

INSTALLATION E89B7B9E

1. Reassemble the cluster after connecting the cluster connector.
2. Reassemble the cluster housing.
3. Reassemble the cluster fascia panel.

INSPECTION E382D5D2

SPEEDOMETER

1. Adjust the pressure of the tires to the specified level.
2. Drive the vehicle onto a speedometer tester. Use wheel chocks as appropriate.
3. Check if the speedometer indicator range is within the standard values.

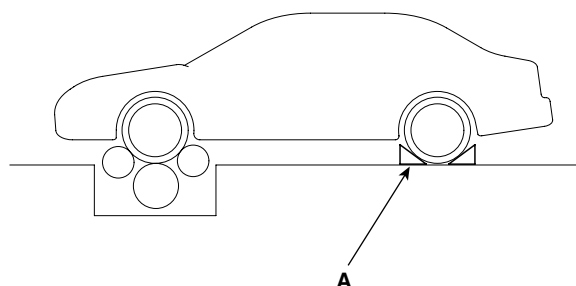
CAUTION

Do not operate the clutch suddenly or increase/decrease speed rapidly while testing.

NOTE

Tire wear and tire over or under inflation will increase the indication error.

- When removing or installing the tachometer, be careful not to drop it or subject it to severe shock.



ETKE100E

[KM/H]

Velocity (km/h)	20	40	60	80	100	120
Tolerance (km/h)	+4 +1	+4.3 +1.3	+6 +2	+6.5 +2.5	+7 +3	+8 +4
Velocity (km/h)	140	160	180	200	220	-
Tolerance (km/h)	+9 +5	+10.5 +5.5	+11 +6	+12.5 +6.5	+11 +6	-

[MPH]

Velocity (km/h)	10	20	40	60
Tolerance (km/h)	+2.8 +0.3	+3.0 +0.5	+3.8 +3.0	+4.0 +1.0
Velocity (km/h)	80	100	120	140
Tolerance (km/h)	+4.5 +1.5	+6.5 +2.5	+7.0 +3.0	+7.5 +3.5

TACHOMETER

1. Connect the scan tool to the diagnostic link connector or install a tachometer.
2. With the engine started, compare the readings of the tester with that of the tachometer. Replace the tachometer if the tolerance is exceeded.

CAUTION

- Reversing the connections of the tachometer will damage the transistor and diodes inside.

Revo-lution (rpm)	1,000	2,000	3,000	4,000	Engine
Toler-ance (rpm)	±100	±125	±150	±150	Gasoline
Toler-ance (km/h)	+6 -12	±6	±5	±4.5	Diesel
Revo-lution (rpm)	5,000	6,000	7,000	8,000	Engine
Toler-ance (rpm)	±150	±180	±210	-	Gasoline
Toler-ance (km/h)	±4.2	±4.2	-	-	Diesel

FUEL GAUGE

1. Disconnect the fuel sender connector from the fuel sender.
2. Connect a 3.4 wattages, 12V test bulb to terminals 1 and 3 on the wire harness side connector.
3. Turn the ignition switch to the ON, and then check that the bulb lights up and the fuel gauge needle moves to full.

