CHIME WARNING/REMINDER SYSTEM

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GENERAL INFORMATION

INTRODUCTION

WARNING: ON VEHICLES EQUIPPED WITH AN AIRBAG, REFER TO THE AIRBAG PORTION OF THIS SECTION FOR STEERING WHEEL OR SWITCH REMOVAL AND INSTALLATION PROCEDURES.

The seat belt reminder system uses both visual and audible signals. A combined seat belt and key reminder chime with a red light on the instrument panel.

The system will always illuminate the seat belt reminder lamp for four to eight seconds when the ignition switch is turned to the ON position. The CHIME will sound during the same time interval if the driver's seat belt is not fastened. Passenger belts are not connected to the system. The chime will activate if the drivers door is opened and:

- The key is in the ignition switch, with the ignition switch in either the OFF or accessory (ACC) position
- The head lamps are ON.

The chime is part of the instrument cluster.

NOTE: This group covers both Left-Hand Drive (LHD) and Right-Hand Drive (RHD) versions of this model. Whenever required and feasible, the RHD versions of affected vehicle components have been constructed as mirror-image of the LHD versions. While most of the illustrations used in this group represent only the LHD version, the diagnostic and service procedures outlined can generally be applied to either version. Exceptions to this rule have been clearly identified as LHD, RHD, or Export if a special illustration or procedure is required.

DIAGNOSIS AND TESTING

FASTEN SEAT BELTS

To test the fasten seat belts function, turn the ignition switch to the ON position with the driver's seat belt unbuckled and fully retracted. The seat belt warning lamp should light for four to eight seconds and the tone should sound three to five times.

HEADLAMPS LEFT ON

To test the headlamps left on function:

- Turn headlamps
- Driver's door open
- Key removed from the ignition switch

Chime should sound until headlamps are turned off or driver's door is closed.

KEY LEFT IN IGNITION SWITCH

To test the key left in ignition function, insert key into the ignition and open driver's door. Chime should sound until key is removed from ignition or driver's door is closed.

CHIME SYSTEM CONDITIONS

The cluster harness connector, J1 is car right and the J2 is car left.

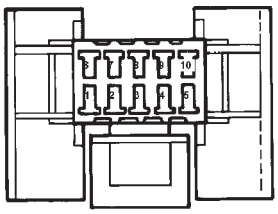
NO TONE WHEN IGNITION SWITCH IS TURNED ON AND DRIVERS SEAT BELT IS UNBUCKLED

(1) Using an ohmmeter, with the seat belt fully retracted, check for continuity to ground at Pin 4 of the J1 wire harness connector (Fig. 1). If OK, go to step 2. If not OK, repair as necessary.

(2) Check for continuity to ground at Pin 8 of the J1 wire harness connector. If OK, go to Step 3. If not OK, repair as necessary.

(3) Using voltmeter, check for battery feed at Pin 6 of the J1 wire harness connector. Check for ignition feed at Pin 5 of the J1 wire harness connector. If not OK, repair as necessary.

DIAGNOSIS AND TESTING (Continued)



VIEWED FROM TERMINAL END

CLUSTER WIRING HARNESS CONNECTORS			
J1 CONNECTOR		J2 CONNECTOR	
PIN	DESCRIPTION	PIN	DESCRIPTION
1	DOOR AJAR	1	OIL PRESSURE
2	HI BEAM	2	ABS
3	RIGHT TURN	3	MIL* (CHECK ENGINE)
4	SEAT BELT	4	ENGINE TEMPERATURE
5	IGNITION FEED	5	KEY IN HEADLAMPS ON
6	BATTERY	6	BRAKE
7	TACHOMETER SIGNAL	7	CHARGING SYSTEM
8	GROUND	8	LEFT TURN
9	AIRBAG	9	ILLUMINATION
10	SPEED SIGNAL	10	FUEL LEVEL

*MALFUNCTION INDICATOR LAMP

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Fig. 1 Cluster Wire Harness Connectors

NO FASTEN SEAT BELT LAMP WHEN IGNITION SWITCH IS ON.

(1) Check for burned out lamp.

(2) Check for battery feed at cluster wire harness connector terminal J1-6 (Fig. 1).

(3) Check for ignition feed at cluster wire harness connector terminal J1-5. Repair as necessary.

NO TONE WHEN HEADLAMPS ARE ON AND DRIVERS DOOR IS OPEN

(1) Check left door jamb switch for good ground when drivers door is open.

(2) Check for ground at J2-5.

(3) Check for battery feed at cluster wire harness connector terminal J1-6 (Fig. 1).

(4) Check for NO voltage at J1-5. Ignition voltage must not be present for the chime to work.

(5) Check headlamp switch.

NO TONE WHEN KEY IS LEFT IN IGNITION AND DRIVERS DOOR IS OPEN

(1) Check for continuity to ground at Pin 8 of the J1 wire harness connector. If OK, go to Step 3. If not OK, repair as necessary.

(2) Using voltmeter, check for battery feed at Pin 6 of the J1 wire harness connector. Check for NO ignition feed at Pin 5 of the J1 wire harness connector. If OK, go to Step 3. If not OK, repair as necessary.

(3) Open driver's door and ensure the ignition key is in the OFF or ACC position. Check for continuity to ground at Pin 5 of the J2 wire harness connector. If ground OK, replace cluster printed circuit board. If no ground, check key-in switch or door switch wiring and repair as necessary.

CHIMES CONTINUE WHEN HEADLAMPS ARE TURNED OFF AND/OR KEY IS REMOVED FROM IGNITION

Check for ground at J2-5. If grounded the chime should activate. Make sure the door is closed, key is in ignition and parking lamps are OFF. If ground is still present check door switch, key in switch, headlamp switch and repair as necessary.

REMOVAL AND INSTALLATION

CHIME

The chime is built into the instrument cluster print circuit board. Refer to Group 8E, Instrument Panel and Gauges.

SEAT BELT BUCKLE

Refer to Group 23, Body of this service manual.

HEADLAMP SWITCH

Refer to Group 8E, Instrument Panel and Systems.

KEY-IN SWITCH

The Key-in switch is built into the ignition switch assembly. Should the Key-in switch require service, the ignition switch assembly must be replaced. Refer to Group 8D Ignition System of this service manual.