

# Your Ultimate Source for OEM Repair Manuals

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## 2005 NISSAN Pathfinder OEM Service and Repair Workshop Manual

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# Warning Chime


SIEMD-7196092

Item	Reference
Seat belt warning	Refer to <a href="#">Seat Belt Warning</a> .

Sample

## DESIGN/PURPOSE

Rear seat belt warning warns the driver that rear seat belt is not fastened.

Symbol	Message
 <p style="text-align: center;">SIEMD-7307150-01-000392222</p>	-

## SYNCHRONIZATION WITH MASTER WARNING LAMP

Not applicable

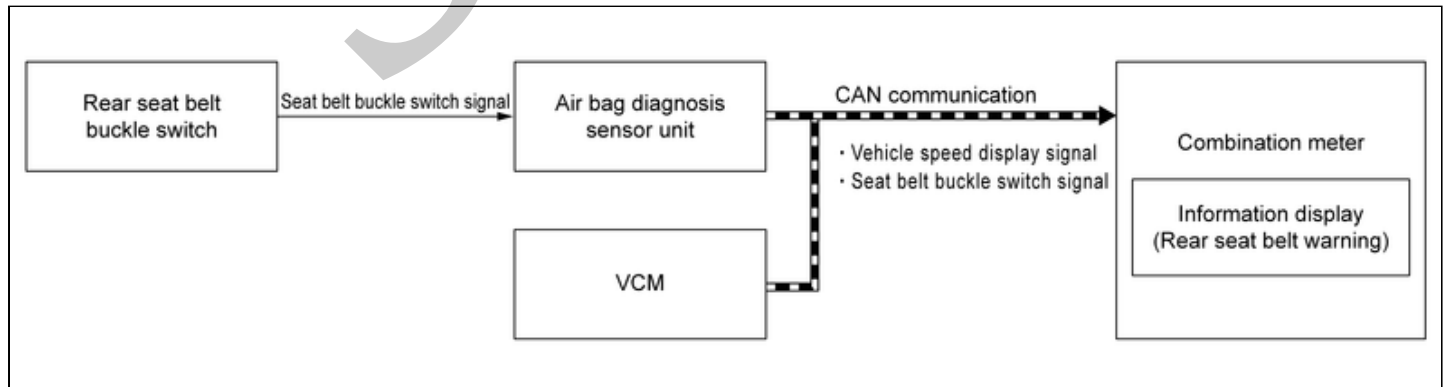
## SYNCHRONIZATION WITH WARNING/INDICATOR

For warning lamp, Refer to [Seat Belt Warning Lamp](#).

## SYNCHRONIZATION WITH WARNING CHIME

For warning chime, Refer to [Seat Belt Warning](#).

## SYSTEM DIAGRAM



SIEMD-7307150-02-000392223



## SIGNAL PATH

- When combination meter detects power switch ON, rear seat belt warning displays.
- When combination meter judges according to received rear seat belt buckle switch signal that a rear seat belt is unfastened.

## WARNING OPERATION CONDITION

When all of the following conditions are satisfied.

- Power switch is ON and start up display finished.
- Any rear seat belt buckle switch is unfastened.

Symbol	Color	Condition
 SIEMD-7307150-05-000348459	Red	Seat belt is unfastened.
 SIEMD-7307150-06-000348457	Green	Seat belt is fastened.



**NOTE:**

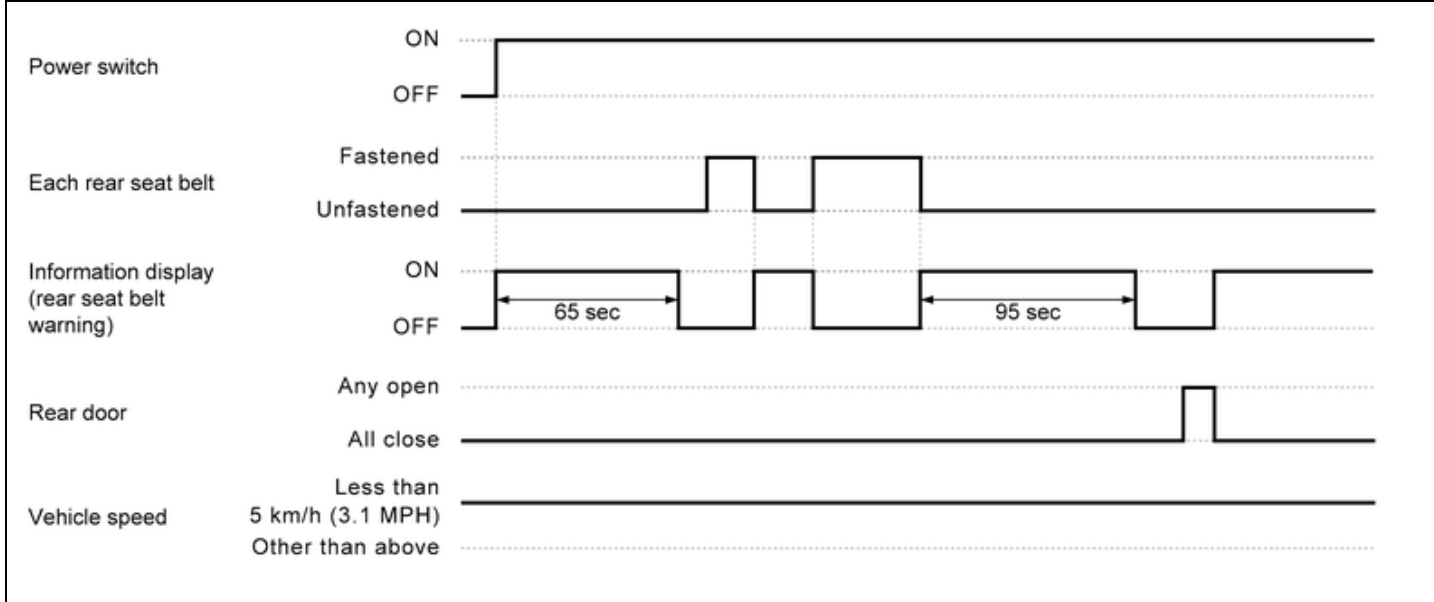
Seat belt status reset when vehicle speed 5 km/h (3.1 MPH) or less and door status is changed from any rear door open to close all rear door close.

## WARNING CANCEL CONDITION

When any of the following conditions are satisfied.

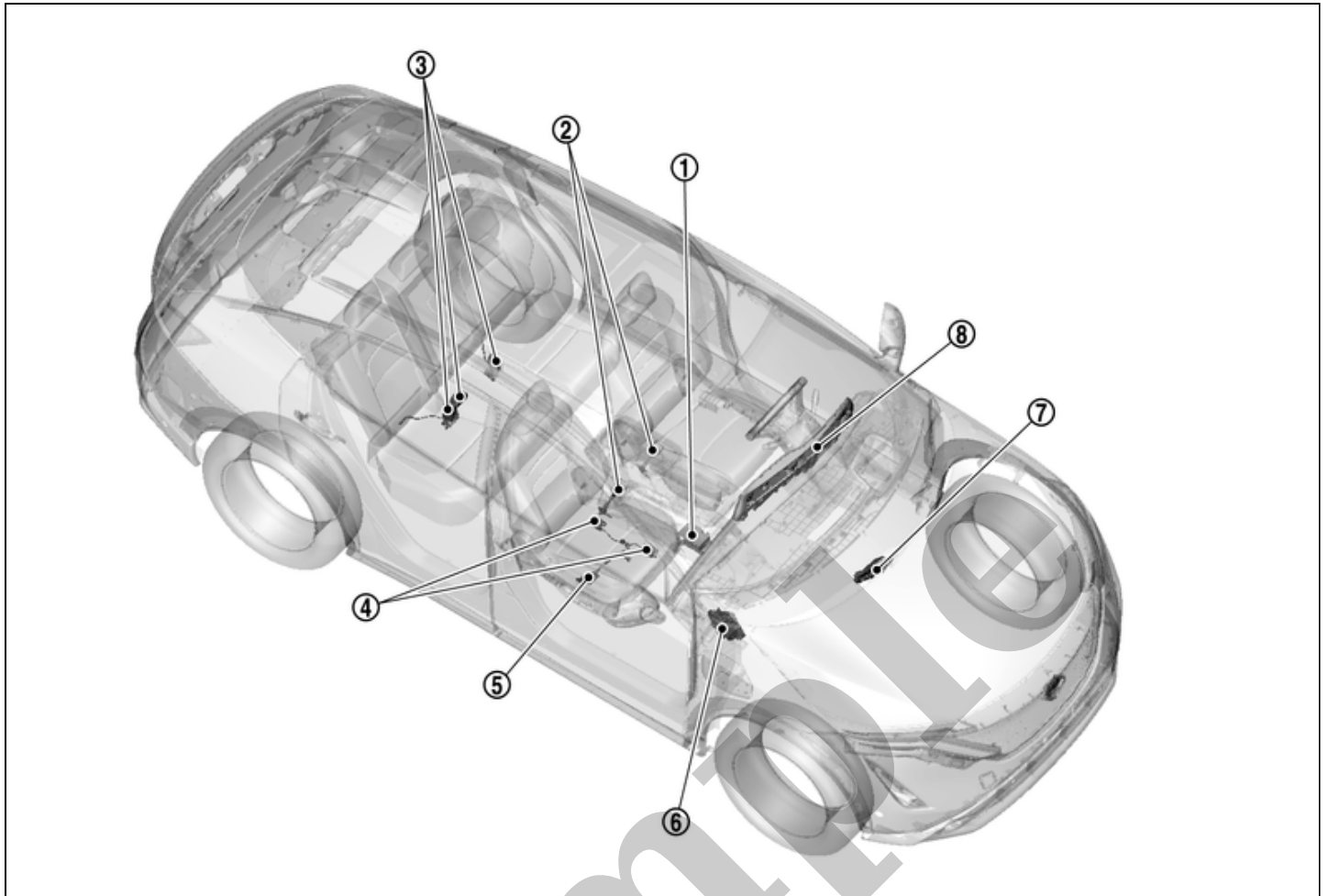
- When the all rear seat belt is fastened.
- Pressed steering switch.
- Power switch OFF.
- Combination meter displays rear seat belt warning for 65 seconds when any of the following conditions are satisfied.
  - Power switch OFF to ON when any rear seat belt is unfastened.
  - Rear door is closed when any rear seat belt is unfastened.
- When any rear seat belt is fastened to unfastened while power switch is ON, rear seat belt warning displays for 95 seconds.

## TIMING CHART



SIEMD-7307150-03-000392229

Sample



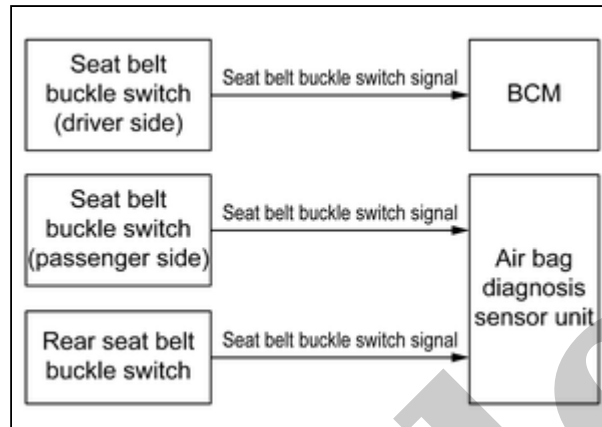
SIEMD-7196098-01-000392219

①	Air bag diagnosis sensor unit Refer to <a href="#">Component Parts Location</a>	②	Seat belt buckle switch (driver side/passenger side)	③	Rear seat belt buckle switch (LH/RH/center)
④	Occupant detection system sensor	⑤	Occupant detection system control unit	⑥	BCM Refer to <a href="#">Component Parts Location</a>
⑦	VCM Refer to <a href="#">Component Parts Location</a>	⑧	Combination meter		

## COMPONENT FUNCTION WITHIN SYSTEM

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- Transmits seat belt buckle switch (driver side) signal to BCM.
- Transmits seat belt buckle switch (passenger side and rear) signal to air bag diagnosis sensor unit.



SIEMD-7196087-02-000333796

## INDIVIDUAL COMPONENT FUNCTION

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Detects fastened or unfastened status of seat belt.

## COMPONENT PARTS LOCATION

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Seat belt buckle switch is installed in the seat belt buckle. Refer to [Component Parts Location](#).

## 1. CHECK REAR SEAT BELT BUCKLE SWITCH GROUND CIRCUIT

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1. Power switch OFF.
2. Disconnect rear seat belt buckle switch connector.
3. Check the continuity between rear seat belt buckle switch harness connector and ground.

Rear seat belt buckle switch			—	Continuity
Connector		Terminal		
LH	B17	4	Ground	Existed
Center	B18	4		
RH		2		

Is the inspection result normal?

YES>>

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NO>>

Repair or replace harness.

## 2. CHECK REAR SEAT BELT BUCKLE SWITCH

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Check rear seat belt buckle switch. Refer to [Component Inspection](#).

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

Replace rear seat belt buckle. Refer to [Removal & Installation](#).



## 1. CHECK REAR SEAT BELT BUCKLE SWITCH

1. Power switch OFF.
2. Disconnect rear seat belt buckle switch connector.
3. Check continuity between rear seat belt buckle switch terminals.

Rear seat belt buckle switch				Condition	Continuity	
Connector		Terminal				
LH	B17	3	4	Rear seat belt (LH)	Unfastened	Existed
				Fastened	Not existed	
Center	B18	3	4	Rear seat belt (center)	Unfastened	Existed
					Fastened	Not existed
RH	B18	1	2	Rear seat belt (RH)	Unfastened	Existed
					Fastened	Not existed

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

Replace rear seat belt buckle. Refer to [Removal & Installation](#).

## DTC DETECTION LOGIC

DTC No.	CONSULT screen items	DTC detecting condition	
		B2F60-55	Seat belt buckle switch (driver side)
Signal (terminal)	—		
Threshold	Configuration of the BCM is not completed		
Diagnosis delay time	1 second or less		

## POSSIBLE CAUSE

- BCM
- BCM is not configured

## FAIL-SAFE

## DTC CONFIRMATION PROCEDURE

### 1. CHECK SELF-DIAG RESULT

 With CONSULT

1. Power switch ON.
2. Check “Self Diagnostic Result” mode of “BCM” using CONSULT.

Is DTC detected?

YES>>

Refer to [DTC Diagnosis Procedure](#).

NO-1>>

To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2>>

Confirmation after repair: INSPECTION END