

Service Alert

Mazda North American Operations
Irvine, CA 92618-2922



Subject: ACCELERATOR PEDAL, KICK-DOWN SWITCH OPERATION	Service Alert No.: SA-010/24
	Last Issued : 06/06/2024

BULLETIN NOTES

This service alert supersedes the previously issued service alert(s) listed below. The changes are noted in Red text.

Previous TSBs:	Date(s) Issued:
SA-010/24	02/09/24

APPLICABLE MODEL(S)/VINS

2025 CX-70

2024-2025 CX-90

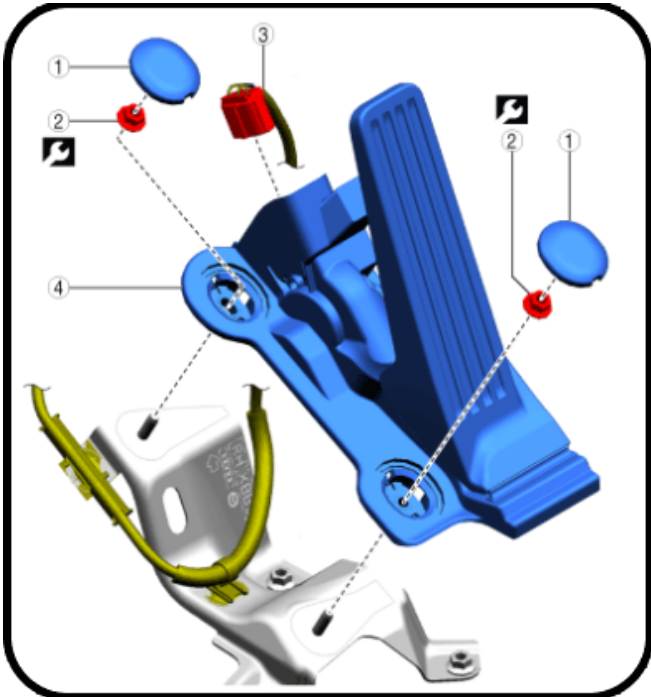
DESCRIPTION

A kick-down switch has been adopted to determine when the customer has fully depressed the throttle pedal for maximum acceleration. A load can be felt while the accelerator pedal is being depressed. When the accelerator pedal is depressed further, the kick-down switch is activated and a click is felt. The driver can control the kick-down by knowing the amount of accelerator depression. An electrical signal is not transmitted by the kick-down switch turning on/off.

Accelerator Pedal:

- The driver's intention to start/accelerate can be transmitted by the accelerator pedal depression amount. The engine output required by the driver is proportional to the pedal operation amount.
- The accelerator pedal position sensor is built into the accelerator pedal and detects the accelerator pedal opening angle and transmits it to the PCM.

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/ equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical--including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.



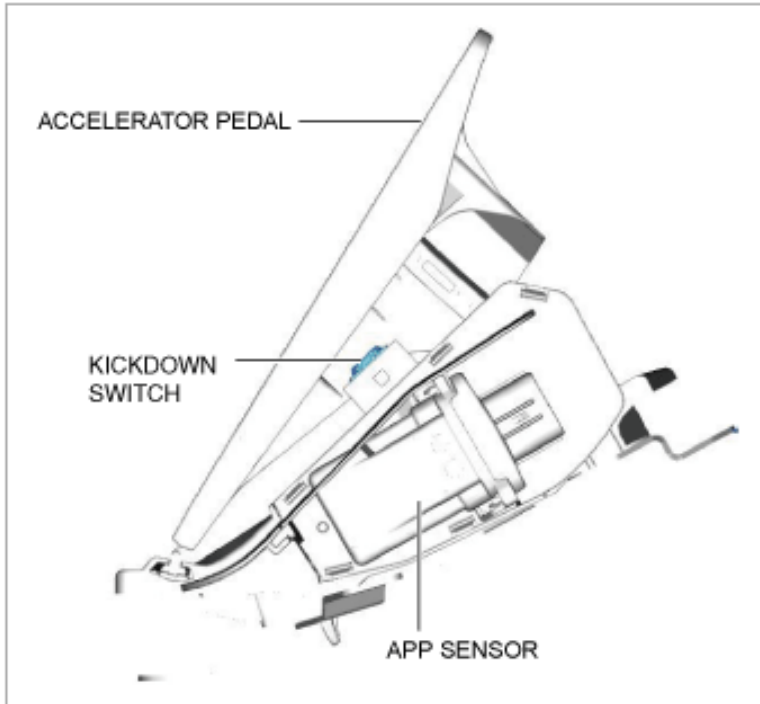
1.	Cover
2.	Nut
3.	Accelerator Pedal Position Sensor Connector
4.	Accelerator Pedal

NOTE: The kick-down switch does not have an electrical connector.

Kick-down Switch:

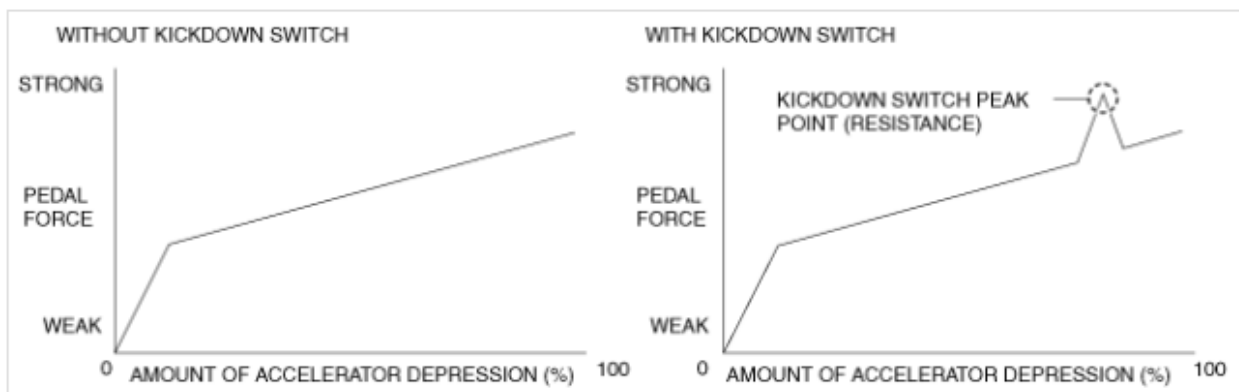
- The kick-down switch gives a feel of resistance as an approximate indication for kick-down operation.

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/ equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical---including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.



(NOTE: CX-5 image shown above, CX-90 is similar)

- Resistance can be felt while the accelerator pedal is being depressed. The accelerator pedal depression amount will reach 100% by further depressing the pedal.



- Because the driver can determine the accelerator pedal depression amount from the change in the pedal depression (change in depression force), kick-down control is achieved.
- The kick-down switch is only an approximate indication of the kick-down. An electrical signal is not sent or received by the kick-down switch.

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/ equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical--including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/ equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical---including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.