

Service Alert

Mazda North American Operations
Irvine, CA 92618-2922

**Subject:**

SKYACTIV TERMINAL TEST KIT

Service Alert No.: SA-052/21

Last Issued : 11/04/2021

BULLETIN NOTES

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

Previous SAs:	Date(s) Issued:
SA-045/18	10/16/18

APPLICABLE MODEL(S)/VINS

2012-2021 Mazda3	2014-2021 Mazda6	2016-2021 MX-5	2020-2021 CX-30
2013-2021 CX-5	2016-2021 CX-3	2016-2021 CX-9	

DESCRIPTION

For improvement of electrical diagnosis, the SKYACTIV® Wiring Terminal Test Kits has been delivered all the dealers. The terminal test kit enables you:

- To check pin fit drag of all PCM terminals used in SKYACTIV® vehicles and compare suspect terminal drag with a good know terminal.
- To measure the voltage/resistance avoiding any terminal damage.

49US-15-KIT**KIT ITEMS**

TEST LEADS

48" PATCH CORD, WHITE

TEST LAMP

TEST PROBE

LARGE ALLIGATOR CLIP

FUSED JUMPER

CASE












Page 1 of 4

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CAUTION:

- Terminals may be damaged if the kit is not used or used improperly, which could then cause other unexpected problems.
- Test lead end size and metal type varies per SERIES. If the wrong SERIES is selected, vehicle wiring harness damage may occur. There are some SERIES that are the same size, but use different metals. Inserting wrong metal type may peel off the terminal plating.

Example: [F] black wire color and (no number) means tin, [F-1] yellow wire color and (-1) means gold, and [F-2] blue wire color and (-2) means silver].

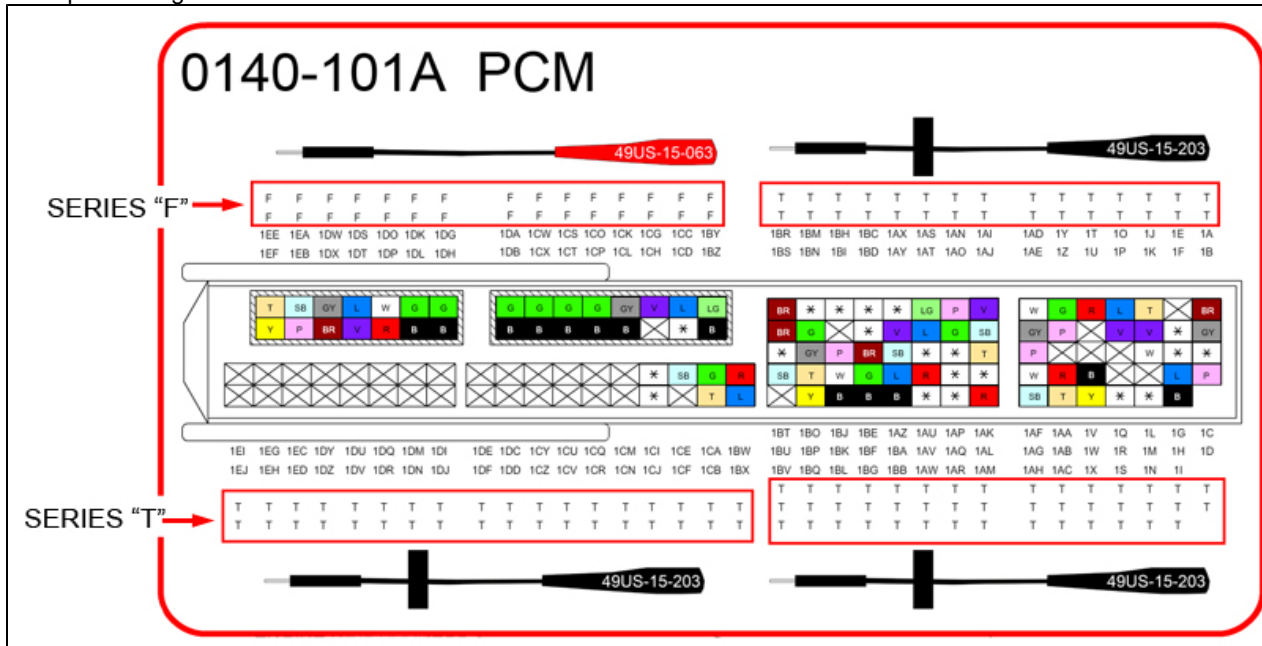
49US-15-KIT					
SERIES	PART NUMBER	SIZE (mm)	METAL TYPE	WIRE COLOR	BOOT COLOR
F-1	49US-15-061	1.2 X 0.63	GOLD		49US-15-061
				YELLOW	RED
F-2	49US-15-062	1.2 X 0.63	SILVER		49US-15-062
				BLUE	RED
F	49US-15-063	1.2 X 0.63	TIN		49US-15-063
				BLACK	RED
I	49US-15-093	4.8 X 0.8	TIN		49US-15-093
				BLACK	LIGHT BLUE
K	49US-15-113	7.8 X 0.8	TIN		49US-15-113
				BLACK	GREY
L	49US-15-123	9.5 X 1.2	TIN		49US-15-123
				BLACK	PINK
N-1	49US-15-141	2.3 X 0.64	GOLD		49US-15-141
				YELLOW	GREEN
N	49US-15-143	2.3 X 0.64	TIN		49US-15-143
				BLACK	GREEN
P-1	49US-15-161	2.8 X 0.6	GOLD		49US-15-161
				YELLOW	BLUE
P	49US-15-163	2.8 X 0.6	TIN		49US-15-163
				BLACK	BLUE
Q-1	49US-15-171	0.63 X 0.63	GOLD		49US-15-171
				YELLOW	BROWN

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Q	49US-15-173	0.63 X 0.63	TIN		
				BLACK	BROWN
R-1	49US-15-181	1.5 X 0.6	GOLD		
				YELLOW	ORANGE
R	49US-15-183	1.5 X 0.6	TIN		
				BLACK	ORANGE
S-1	49US-15-191	1.8 X 0.64	GOLD		
				YELLOW	YELLOW
S	49US-15-193	1.8 X 0.64	TIN		
				BLACK	YELLOW
T	49US-15-203	0.5 X 0.4	TIN		
				BLACK	BLACK
				 <p>NOTE: Insert with index tab parallel with the connector</p>	

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Example of usage below:



Refer to SKYACTIV® Wiring Terminal Test Kit WBT for more details.

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