



Subject: TELEMATICS COMMUNICATION UNIT (TCU) ACTIVATION PROCEDURE	Service Alert No.: SA-004/21
	Last Issued : 06/02/2021

BULLETIN NOTES

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

Previous Service Alert	Date(s) Issued:
SA-004/21	05/24/21 and 01/19/21
SA-010/20	06/29/20, 06/01/20, 05/08/20, 04/29/20 and 01/15/20

APPLICABLE MODEL(S)/VINS

2019-2021 Mazda3

2020-2021 CX-30

2021 CX-5

2021 CX-9

DESCRIPTION

When the Telematics Control Unit (TCU) replacement is necessary due to a failure, use MDARS to activate the new TCU after replacement.

Use the information in this service alert to initialize the new TCU until the procedure on MGSS is updated.

CAUTION:

- **DO NOT swap TCU with another vehicle as the TCU is VIN locked after activation. A TCU swap with another vehicle will disable Connected Services on both vehicles.**
- If TCU activation is not performed, connected vehicle functions will not operate. This will have a negative impact on the customer because they will need to return to the dealer for repairs.

TCU Activation

1. Install the new TCU.

- Mazda3 - [TELEMATICS COMMUNICATION UNIT REMOVAL/INSTALLATION](#)
- CX-30 - [TELEMATICS COMMUNICATION UNIT REMOVAL/INSTALLATION](#)

2. Use the DCA8000 battery charger SST to maintain battery voltage. Go to [SA-034/21](#).

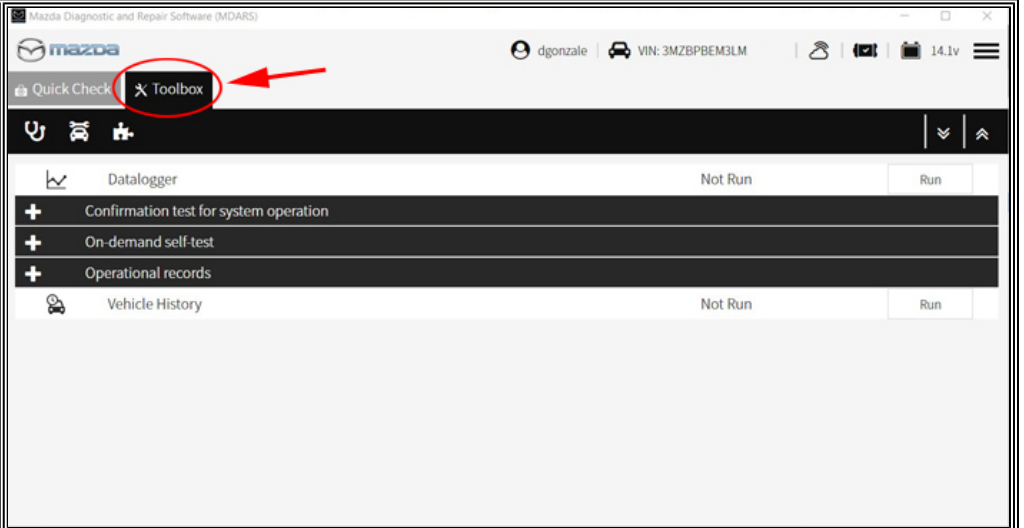
3. Confirm M-MDS hardware that is in good working condition. Go to [SA-066/20](#).

4. Turn the ignition ON (engine ON or OFF).

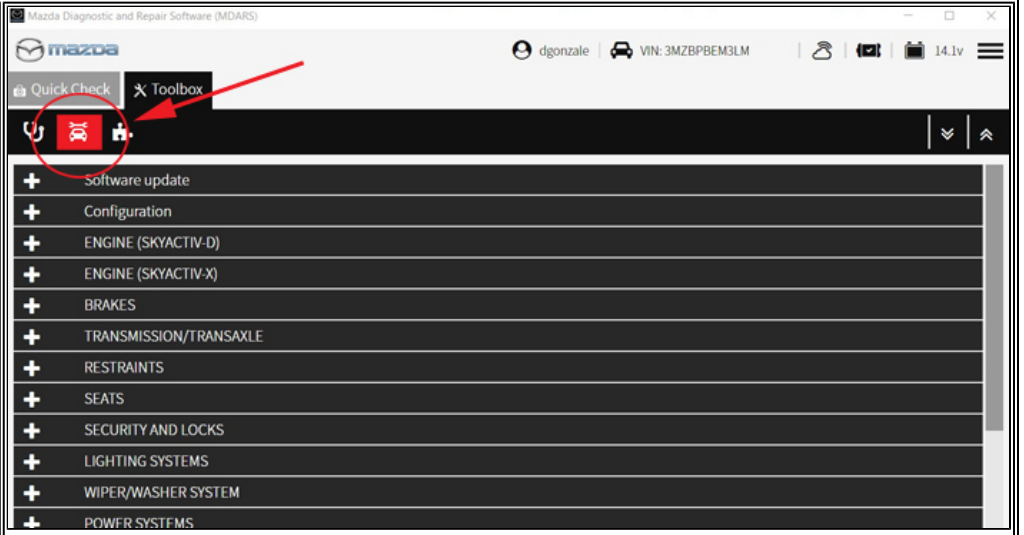
5. Connect MDARS to the vehicle.

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.

6. Select "Tool Box".

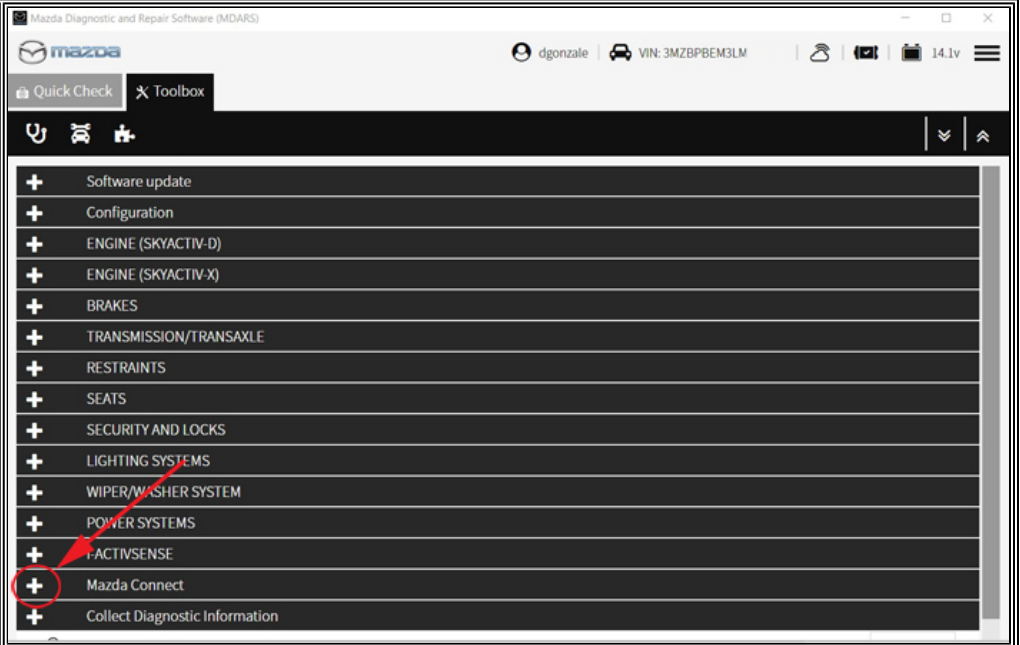


7. Select the repair icon.



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.

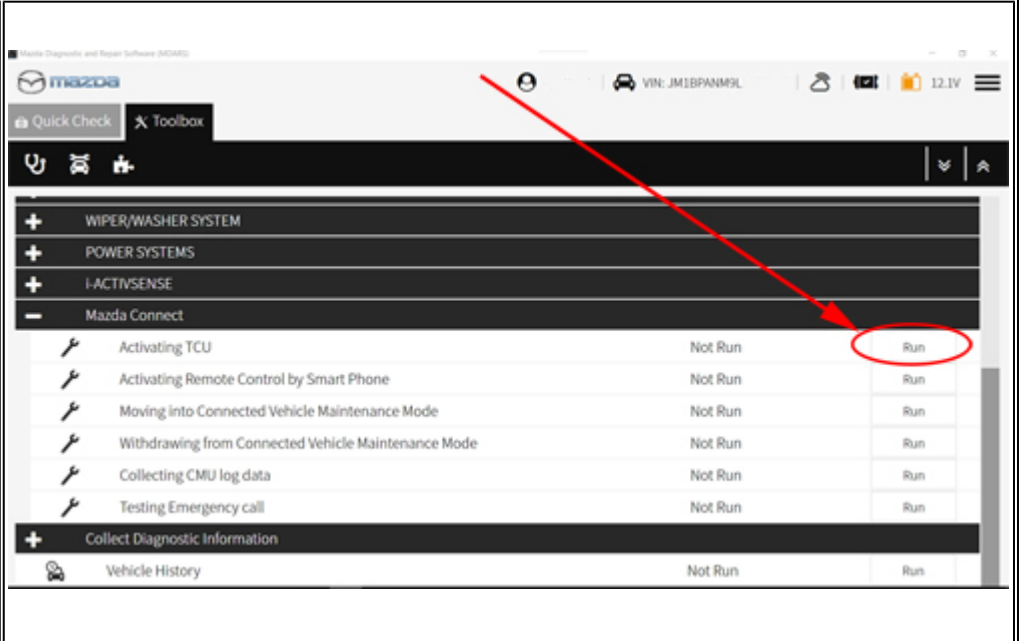
8. Select "Mazda Connect"



9. Select Activating TCU (links TCU to server) -> "Run". Wait for "initialization complete" message.

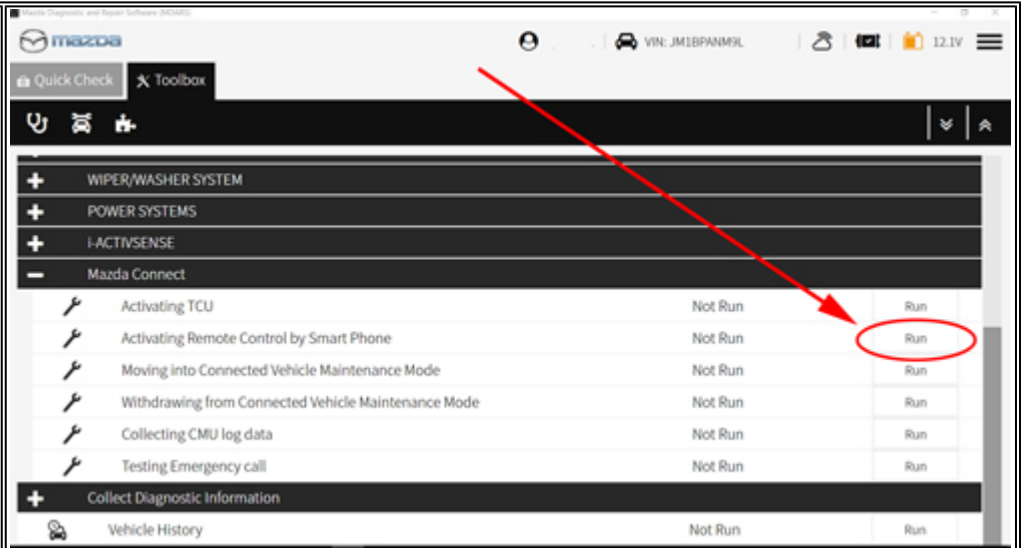
NOTE: MDARS may show "Incomplete". This may be caused by:

- Advanced key is not in the vehicle.
- Connected vehicle maintenance mode is enabled.
- Pacemaker radio wave interference prevention is enabled.
- key transmitter power saving function is enabled. See SA-040/20.



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.

10. Select Activating Remote Control by Smart Phone (links TCU to BCM) -> "Run".
Wait for "initialization complete" message.



11. Turn Ignition OFF and wait at least 2 minutes.
12. Turn Ignition ON and then check reception strength.



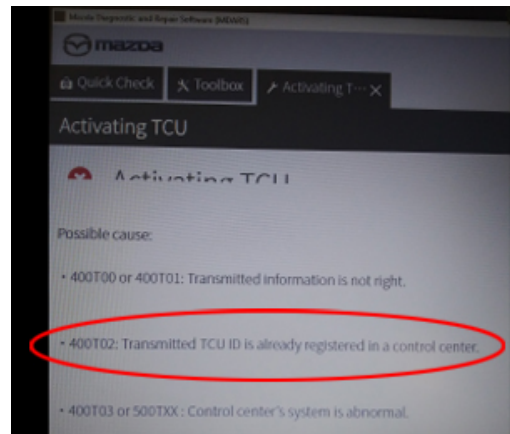
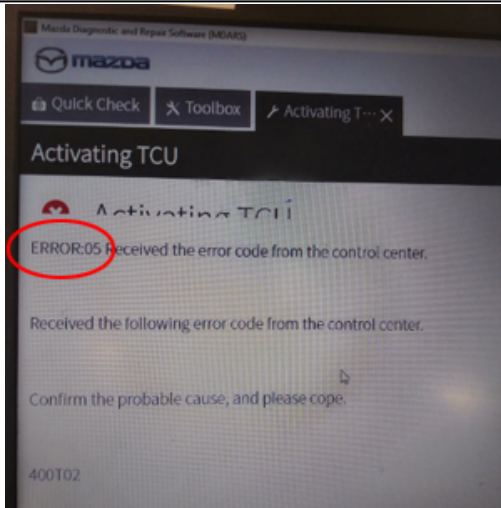
NOTE:

- If DTC U2050:55-TCU (Activation of remote control not implemented) is stored, go to TSB [09-013/20 - DTC U2050:55 STORED AFTER REPLACING OR REPROGRAMMING TCU](#).
- If the TCU was not replaced and MDARS shows error code 400t02 and/or ERROR:05, TCU activation was previously completed. Ignore these errors as TCU activation is not required.

ERROR:05

Error code 400t02

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.