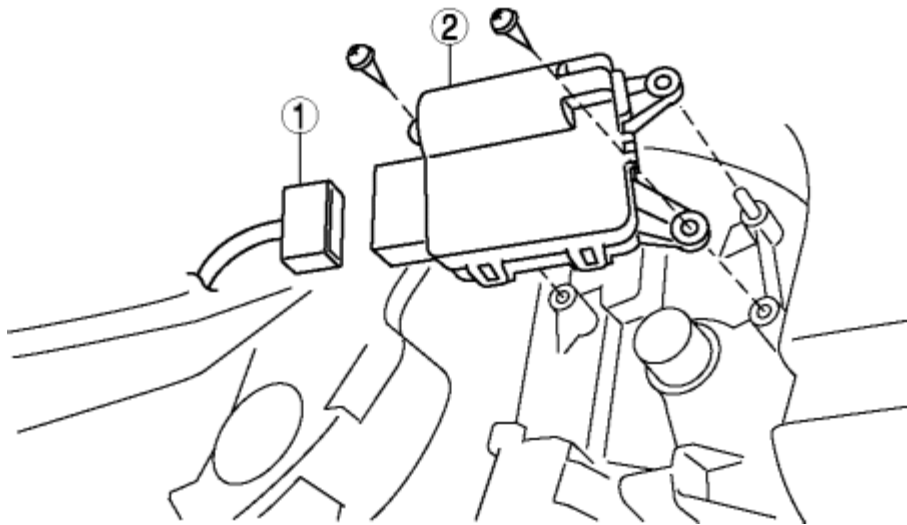


2012 - Mazda6 - HVAC

AIR MIX ACTUATOR REMOVAL/ INSTALLATION [FULL-AUTO AIR CONDITIONER]

Driver's Side Air Mix Actuator

1. Disconnect the negative battery cable.
2. Remove in the order indicated table.



1	Air mix actuator connector
2	Air mix actuator (See Air Mix Actuator Installation Note.)

3. Install in the reverse order of removal.

Passenger's Side Air Mix Actuator

1. Disconnect the negative battery cable.
2. Remove the following parts.
 - a. Glove compartment (See [GLOVE COMPARTMENT REMOVAL/ INSTALLATION.](#))
 - b. Dashboard under cover (See [DASHBOARD UNDER COVER REMOVAL/ INSTALLATION.](#))

- c. Front scuff plates (See [FRONT SCUFF PLATE REMOVAL/ INSTALLATION.](#))
- d. Front side trims (See [FRONT SIDE TRIM REMOVAL/ INSTALLATION.](#))
- e. Upper panel (See [UPPER PANEL REMOVAL/ INSTALLATION.](#))
- f. Decoration panel (See [DECORATION PANEL REMOVAL/ INSTALLATION.](#))
- g. Shift knob (MTX) (See [MANUAL TRANSAXLE SHIFT MECHANISM LOCATION INDEX.](#))
- h. Shift panel (See [SHIFT PANEL REMOVAL/ INSTALLATION.](#))
- i. Center panel lower (See [CENTER PANEL LOWER REMOVAL/ INSTALLATION.](#))
- j. Climate control unit (See [CLIMATE CONTROL UNIT REMOVAL/ INSTALLATION \[FULL-AUTO AIR CONDITIONER\].](#))
- k. Rear console (See [REAR CONSOLE REMOVAL/ INSTALLATION.](#))
- l. Hood release lever (See [HOOD LATCH AND RELEASE LEVER REMOVAL/ INSTALLATION.](#))
- m. Lower panel (See [LOWER PANEL REMOVAL/ INSTALLATION.](#))
- n. Driver-side air bag module (See [DRIVER-SIDE AIR BAG MODULE REMOVAL/ INSTALLATION.](#))
- o. Steering wheel (See [STEERING WHEEL AND COLUMN REMOVAL/ INSTALLATION \[WITHOUT ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM\].](#))(See [STEERING WHEEL AND COLUMN REMOVAL/ INSTALLATION \[WITH ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM\].](#))
- p. Column cover (See [COLUMN COVER REMOVAL/ INSTALLATION.](#))
- q. Combination switch (See [COMBINATION SWITCH REMOVAL/ INSTALLATION.](#))
- r. Meter hood (See [METER HOOD REMOVAL/ INSTALLATION.](#))
- s. Instrument cluster (See [INSTRUMENT CLUSTER REMOVAL/ INSTALLATION.](#))
- t. Center panel upper (See [CENTER PANEL UPPER REMOVAL/ INSTALLATION.](#))
- u. Audio unit (See [AUDIO UNIT REMOVAL/ INSTALLATION.](#))
- v. Steering shaft cover (See [STEERING WHEEL AND COLUMN REMOVAL/ INSTALLATION \[WITHOUT ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM\].](#))(See [STEERING WHEEL AND COLUMN REMOVAL/ INSTALLATION \[WITH ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM\].](#))
- w. Steering shaft (See [STEERING WHEEL AND COLUMN REMOVAL/ INSTALLATION \[WITHOUT ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM\].](#))(See [STEERING WHEEL AND COLUMN REMOVAL/ INSTALLATION \[WITH ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM\].](#))
- x. Side panel (See [SIDE PANEL REMOVAL/ INSTALLATION.](#))
- y. SIRIUS satellite radio unit (See [SIRIUS SATELLITE RADIO UNIT REMOVAL/ INSTALLATION.](#))
- z. Passenger-side air bag module (See [PASSENGER-SIDE AIR BAG MODULE REMOVAL/ INSTALLATION.](#))

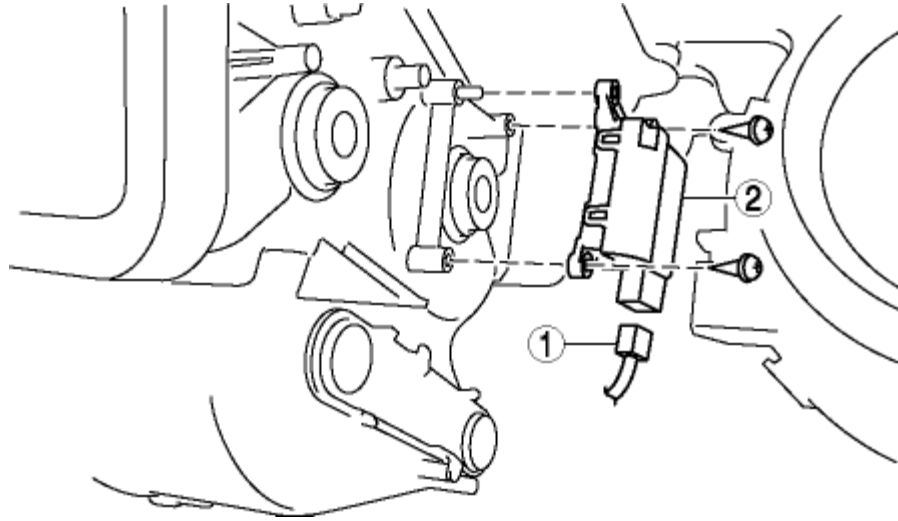
aa. A-pillar trims (See [A-PILLAR TRIM REMOVAL/ INSTALLATION.](#))

ab. Dashboard (See [DASHBOARD REMOVAL/ INSTALLATION.](#))

3. Remove the A/C unit. (See [A/ C UNIT REMOVAL/ INSTALLATION.](#))

4. Disassemble the A/C unit. (See [A/ C UNIT DI SASSEMBLY/ ASSEMBLY.](#))

5. Remove in the order indicated table.

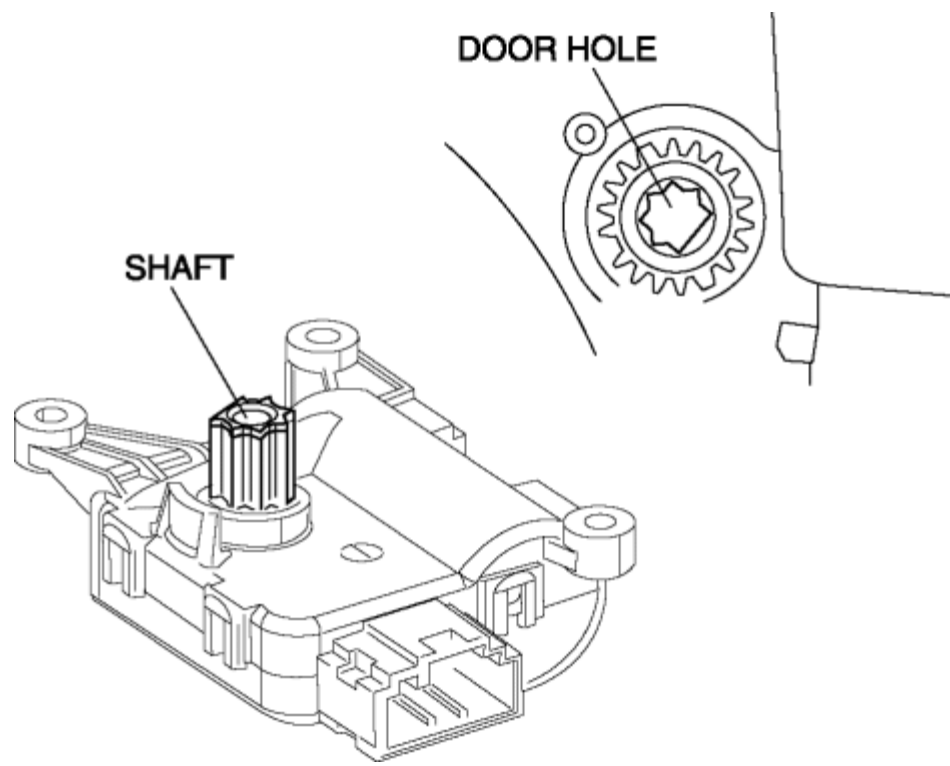


1	Air mix actuator connector
2	Air mix actuator
(See Air Mix Actuator Installation Note.)	

6. Install in the reverse order of removal.

Air Mix Actuator Installation Note

1. Insert the air mix actuator shaft to the door hole aligned with each shape same as removed position.



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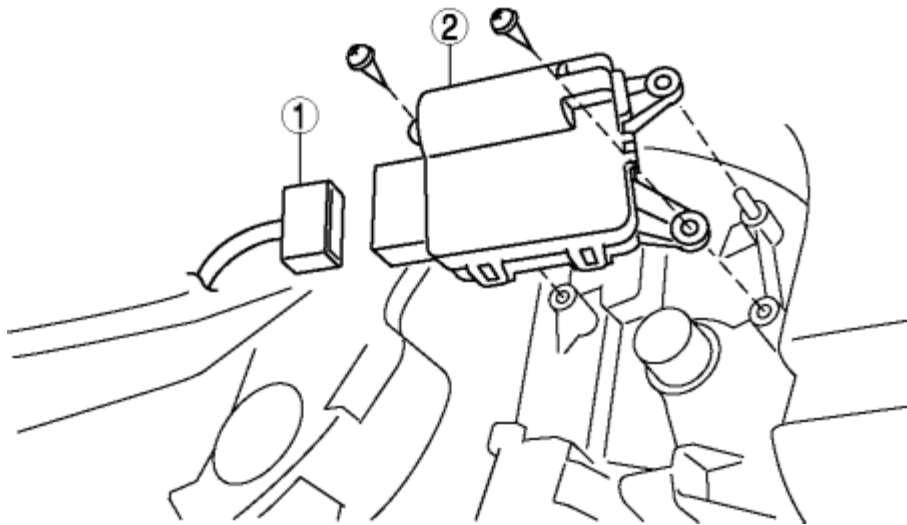
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AIR MIX ACTUATOR REMOVAL/ INSTALLATION [FULL-AUTO AIR CONDITIONER]

Driver's Side Air Mix Actuator

1. Disconnect the negative battery cable.
2. Remove in the order indicated table.



1	Air mix actuator connector
2	Air mix actuator (See Air Mix Actuator Installation Note.)

3. Install in the reverse order of removal.

Passenger's Side Air Mix Actuator

1. Disconnect the negative battery cable.
2. Remove the following parts.
 - a. Glove compartment (See [GLOVE COMPARTMENT REMOVAL/ INSTALLATION.](#))
 - b. Dashboard under cover (See [DASHBOARD UNDER COVER REMOVAL/ INSTALLATION.](#))

- c. Front scuff plates (See [FRONT SCUFF PLATE REMOVAL/ INSTALLATION.](#))
- d. Front side trims (See [FRONT SIDE TRIM REMOVAL/ INSTALLATION.](#))
- e. Upper panel (See [UPPER PANEL REMOVAL/ INSTALLATION.](#))
- f. Decoration panel (See [DECORATION PANEL REMOVAL/ INSTALLATION.](#))
- g. Shift knob (MTX) (See [MANUAL TRANSAXLE SHIFT MECHANISM LOCATION INDEX.](#))
- h. Shift panel (See [SHIFT PANEL REMOVAL/ INSTALLATION.](#))
- i. Center panel lower (See [CENTER PANEL LOWER REMOVAL/ INSTALLATION.](#))
- j. Climate control unit (See [CLIMATE CONTROL UNIT REMOVAL/ INSTALLATION \[FULL-AUTO AIR CONDITIONER\].](#))
- k. Rear console (See [REAR CONSOLE REMOVAL/ INSTALLATION.](#))
- l. Hood release lever (See [HOOD LATCH AND RELEASE LEVER REMOVAL/ INSTALLATION.](#))
- m. Lower panel (See [LOWER PANEL REMOVAL/ INSTALLATION.](#))
- n. Driver-side air bag module (See [DRIVER-SIDE AIR BAG MODULE REMOVAL/ INSTALLATION.](#))
- o. Steering wheel (See [STEERING WHEEL AND COLUMN REMOVAL/ INSTALLATION \[WITHOUT ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM\].](#))(See [STEERING WHEEL AND COLUMN REMOVAL/ INSTALLATION \[WITH ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM\].](#))
- p. Column cover (See [COLUMN COVER REMOVAL/ INSTALLATION.](#))
- q. Combination switch (See [COMBINATION SWITCH REMOVAL/ INSTALLATION.](#))
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- s. Instrument cluster (See [INSTRUMENT CLUSTER REMOVAL/ INSTALLATION.](#))
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- w. Steering shaft (See [STEERING WHEEL AND COLUMN REMOVAL/ INSTALLATION \[WITHOUT ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM\].](#))(See [STEERING WHEEL AND COLUMN REMOVAL/ INSTALLATION \[WITH ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM\].](#))
- x. Side panel (See [SIDE PANEL REMOVAL/ INSTALLATION.](#))
- y. SIRIUS satellite radio unit (See [SIRIUS SATELLITE RADIO UNIT REMOVAL/ INSTALLATION.](#))
- z. Passenger-side air bag module (See [PASSENGER-SIDE AIR BAG MODULE REMOVAL/ INSTALLATION.](#))

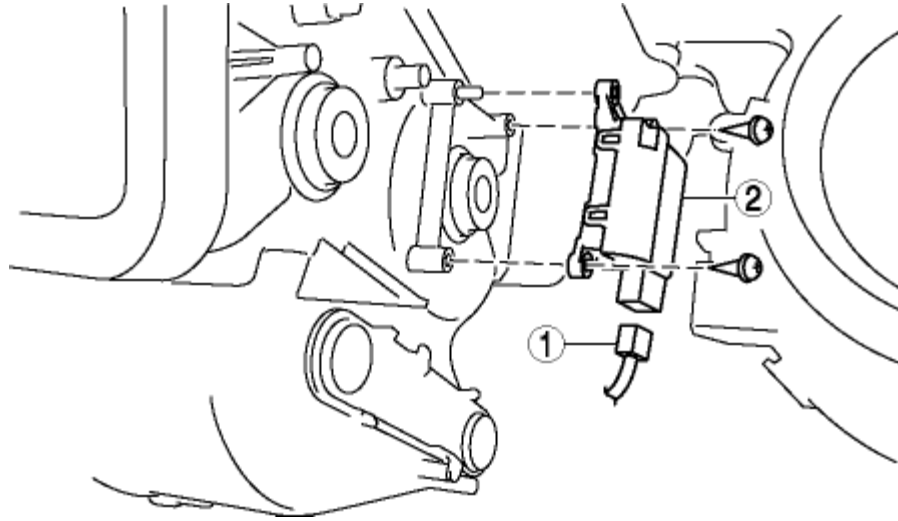
aa. A-pillar trims (See [A-PILLAR TRIM REMOVAL/ INSTALLATION.](#))

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3. Remove the A/C unit. (See [A/ C UNIT REMOVAL/ INSTALLATION.](#))

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5. Remove in the order indicated table.



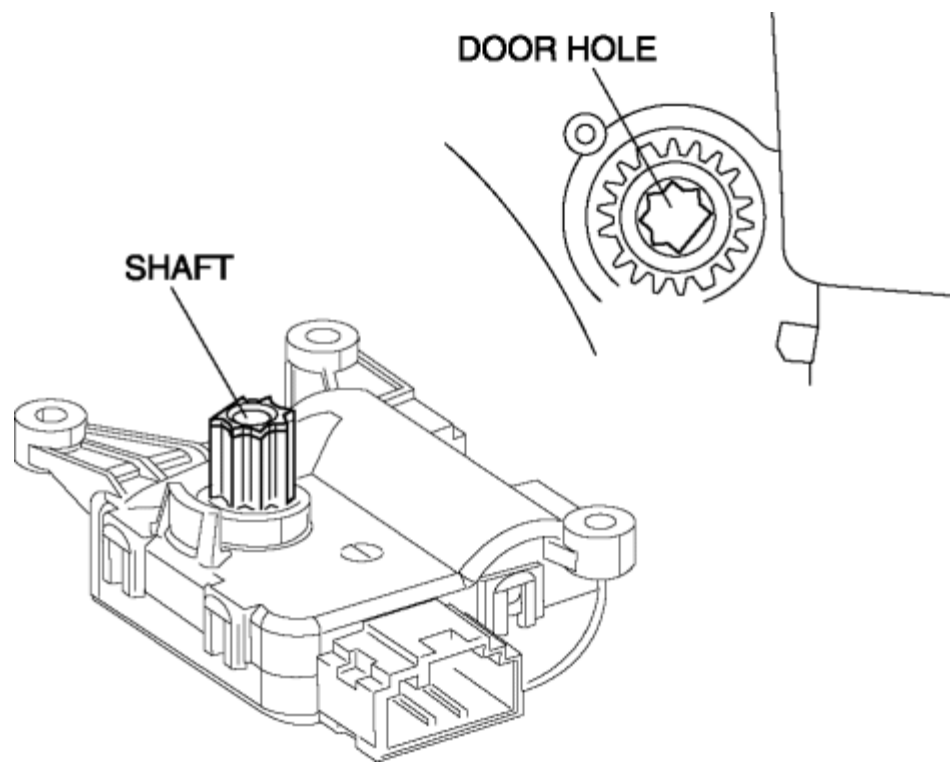
1	Air mix actuator connector
2	Air mix actuator

(See [Air Mix Actuator Installation Note.](#))

6. Install in the reverse order of removal.

Air Mix Actuator Installation Note

1. Insert the air mix actuator shaft to the door hole aligned with each shape same as removed position.



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