

Component Procedures: Passenger Compartment Cross Beam

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1. Instrument Panel Tie Bar Replacement (Article 10061)

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Instrument Panel Tie Bar Replacement (Article 10061)

Removal Procedure

- Remove the instrument panel trim pad assembly. Refer to Instrument Panel Trim Pad Replacement .
- Remove the steering column assembly. Refer to Steering Column Replacement .
- Remove the windshield. Refer to Windshield Replacement .
- Remove the nut (1) securing the instrument panel tie bar assembly to the vehicle cowl panel. Click for full-size image
- Remove the fasteners securing the brake pedal assembly to the instrument panel tie bar. Refer to Brake Pedal Assembly Replacement .
- If equipped with a manual transmission, remove the fasteners securing the clutch pedal assembly to the instrument panel tie bar. Refer to Clutch Pedal Replacement .
- Note the location and routing of the instrument panel electrical harness assembly, to ensure proper reinstallation.
- Disconnect the fasteners securing the instrument panel electrical harness assembly to the instrument panel tie bar and position out of the way.
- Remove the 2 fasteners (1) securing the instrument panel tie bar assembly to the windshield frame and plenum panel. Click for full-size image
- Remove the 5 fasteners (1) securing the instrument panel tie bar assembly to the HVAC module assembly. Click for full-size image
- Remove the 8 fasteners (1) securing the instrument panel tie bar assembly to the vehicle body. Click for full-size image
- Support the HVAC module assembly, as needed.
- Remove the instrument panel tie bar assembly (1) from the vehicle. Click for full-size image

Installation Procedure

- Position the instrument panel tie bar assembly into the vehicle.
- Install the 8 fasteners (1) securing the instrument panel tie bar assembly to the vehicle body and tighten to 25 Nm (18 lb ft) . Click for full-size image
- Install the 5 fasteners (1) securing the instrument panel tie bar assembly to the HVAC module assembly and tighten to 9 Nm (80 lb in) . Click for full-size image
- Install the 2 fasteners (1) securing the instrument panel tie bar assembly to the windshield frame and plenum panel and tighten to 22 Nm (16 lb ft) . Click for full-size image
- Reposition the instrument panel wiring harness into vehicle position as was noted in the removal process and connect the fasteners securing the instrument panel electrical harness assembly to the instrument panel tie bar.
- If equipped with a manual transmission, Install the fasteners securing the clutch pedal assembly to the instrument panel tie bar. Refer to Clutch Pedal Replacement .
- Install the fasteners securing the brake pedal assembly to the instrument panel tie bar. Refer to Brake Pedal Assembly Replacement .
- Install the nut (1) securing the instrument panel tie bar assembly to the vehicle cowl panel and tighten to 9 Nm (80 lb in) . Click for full-size image
- Install the windshield. Refer to Windshield Replacement .
- Install the steering column assembly. Refer to Steering Column Replacement .
- Install the instrument panel trim pad assembly. Refer to Instrument Panel Trim Pad Replacement .