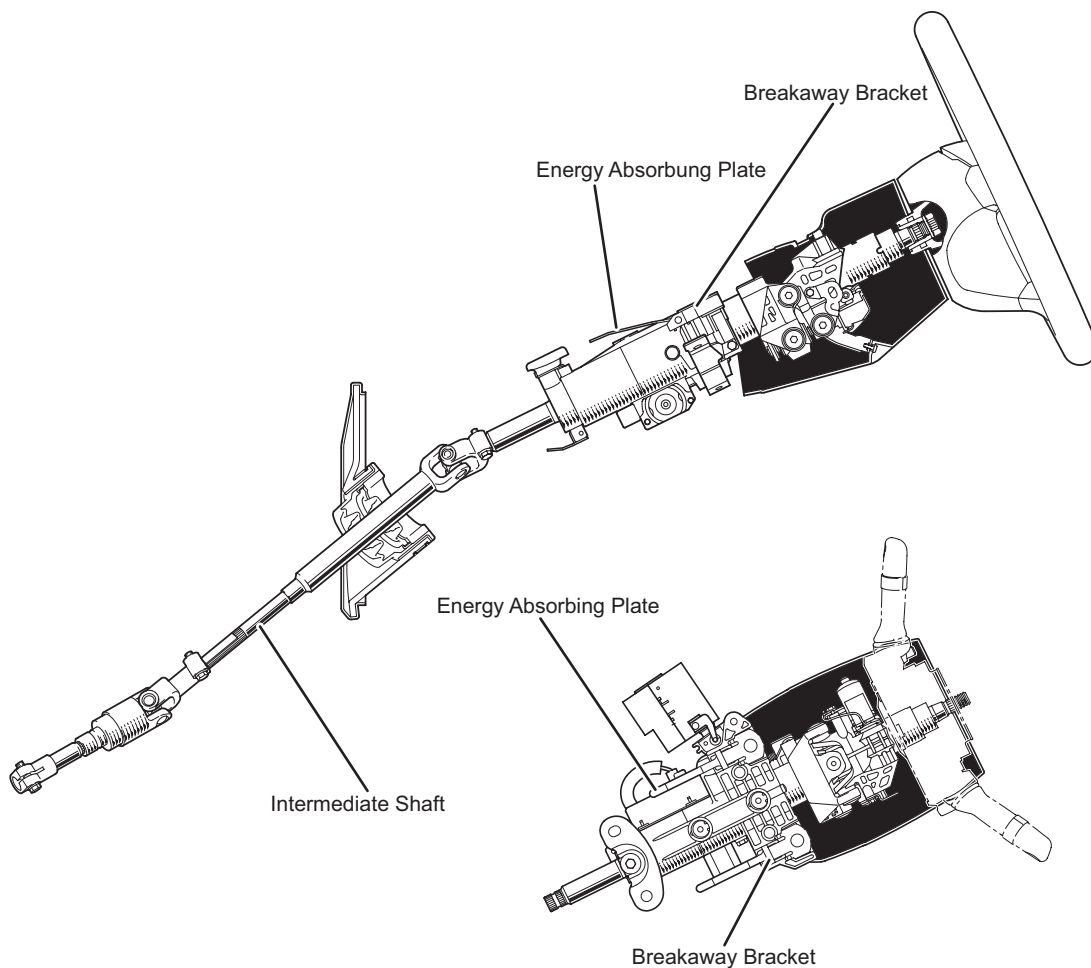


OPEN STEERING COLUMN

Steering Column Outline

- A preset microprocessor steering column is used on all models. It consists of an auto-away, power tilt & telescopic function with memory, which enables the driver to adjust the steering column to a desired position.
- Along with the use of the smart entry & start system, an electronic steering lock system is used to prevent the engine from being started before the steering lock is unlocked.
- An energy absorbing mechanism and an intermediate shaft contraction mechanism are used to ensure driver safety in the event of a collision.

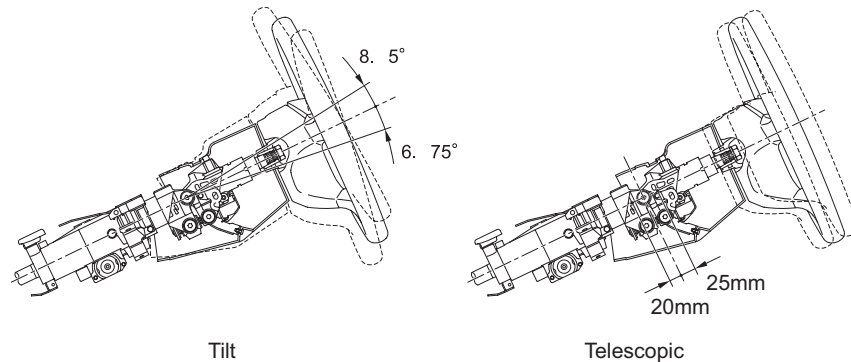


Power Tilt and Power Telescopic Steering Column

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Tilt & Telescopic Mechanism Construction and Operation

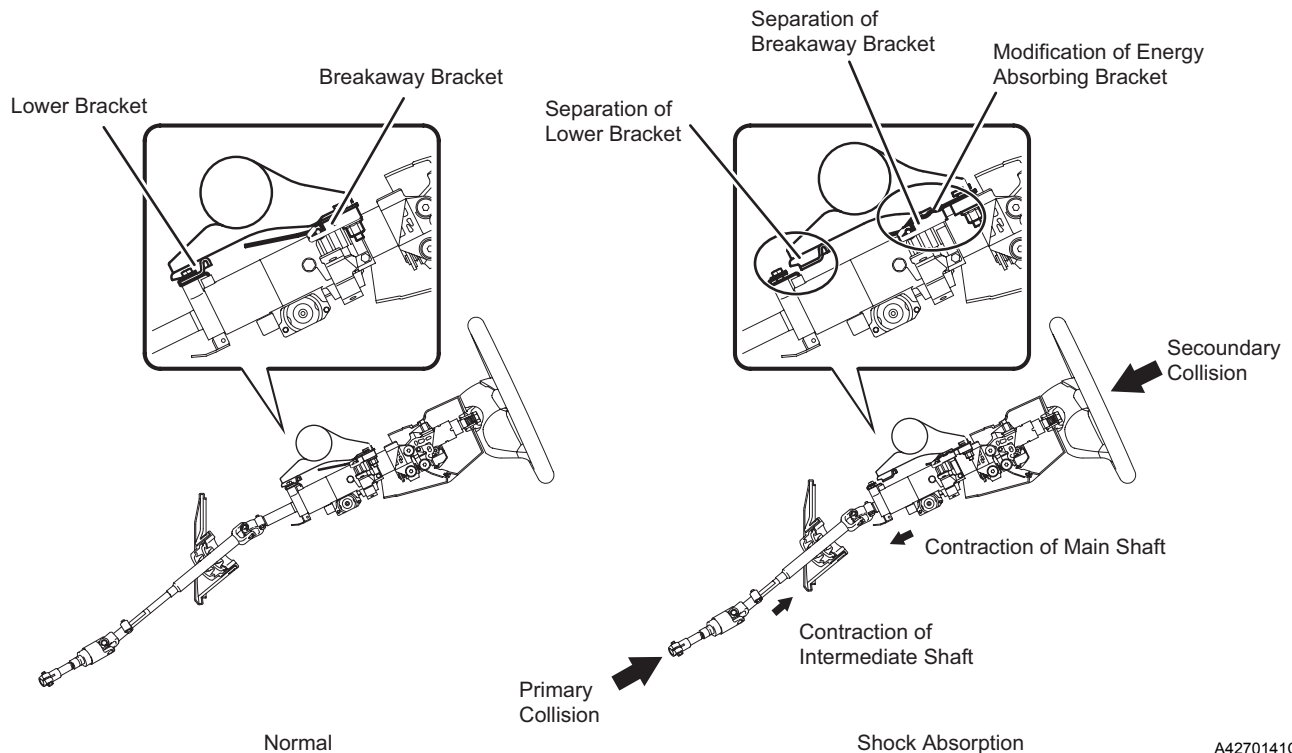
- A motor is provided in the tilt & telescopic mechanism, and is controlled with a computer to ensure excellent maneuverability.
- Auto-away and auto-return controls that operate with the engine switch ensure the excellent ease of in-and-out access by the driver. A tilt & telescopic switch is provided on the left side of the steering column cover to enable the driver to adjust the steering column to the desired position.
- The tilt movement ranges from the neutral position to 8.5° upward and 6.75° downward, for a total setting range of 15.25°. The telescopic movement ranges from the neutral position to 20mm forward and 25mm backward, for a total setting range of 45mm.



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Energy Absorbing Mechanism

- The steering column is secured to the body by the capsule portion of the breakaway bracket (in which a split lower bracket and a column tube are integrated) with bolts and nuts. When the energy is input from the steering gearbox during a collision, the main shaft and the intermediate shaft contract to absorb the impact, thus preventing the steering column and the steering wheel from being pushed into the cabin.
- If the steering wheel receives an impact, the steering wheel absorbs the energy, and the entire steering column moves forward, leaving the capsule and the split lower bracket behind. At this time, the EA (Energy Absorbing) plate becomes deformed to absorb the energy.



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