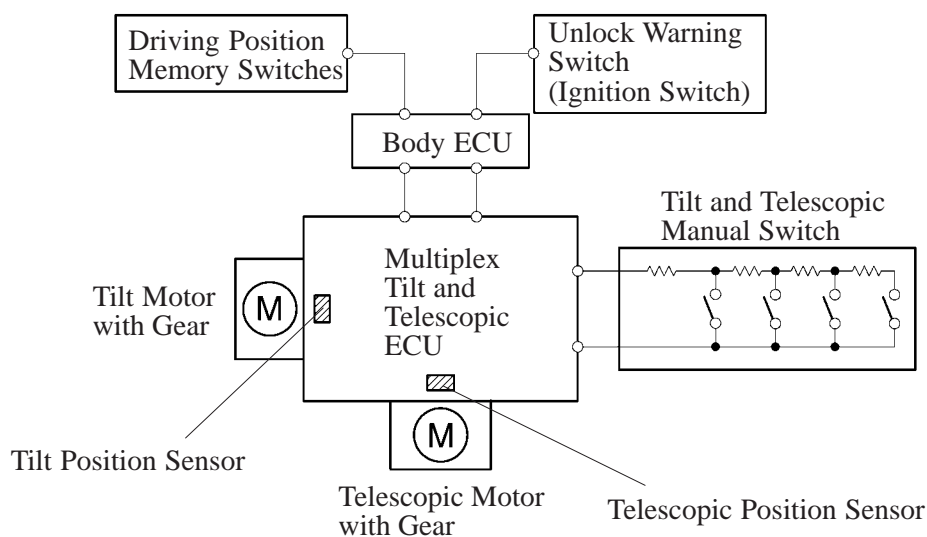


■ POWER TILT AND POWER TELESCOPIC STEERING COLUMN

1. General

- A compact and lightweight power tilt and telescopic steering column is used on all models.
- The auto set function has been adopted as on the previous model.
- The steering column can be set to 2 positions in conjunction with the driving position memory function.

2. System Diagram

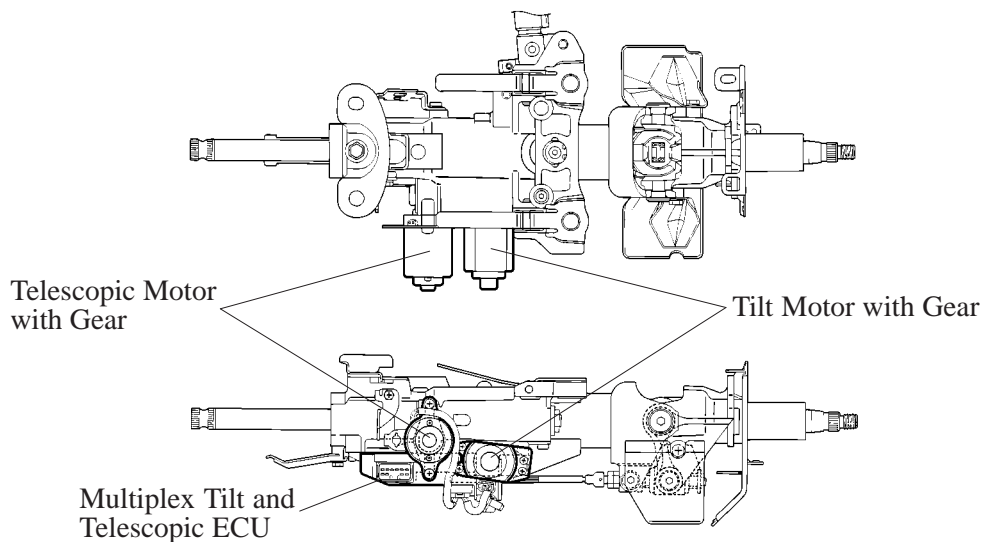


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3. Construction

The power tilt and power telescopic steering column consists of the multiplex tilt and telescopic ECU, a tilt motor, telescopic motor and gears.

The multiplex tilt and telescopic ECU contains position sensors that use hall elements.



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4. Operation

Tilt Operation

The signals from the multiplex tilt and telescopic ECU cause the tilt motor to rotate, and this rotational movement is transmitted via the gear, shaft and etc. to move the steering wheel vertically.

Telescopic Operation

The signals from the multiplex tilt and telescopic ECU cause the telescopic motor to rotate, and this rotational movement is transmitted via the gears to contract or to extend the column tube.

Auto Set Function

When the ignition key is removed, the steering column moves forward away from the driver and also tilts up for easy exit and entry.

When the ignition key is inserted in the ignition switch, the steering column returns to the previously set position.

Driving Position Memory Function

The steering column moves to the previously set position by pressing the driving position memory switches that are located on the driver's door.

Position Detection

To detect the position of the tilt and telescopic steering column, a position sensor that utilizes a hall element is located in the ECU and is used to detect the changes in the magnetic field of the magnets, which are attached to the shafts of the motors.