



Hyundai i30 (FD)



DANGER

Airbag unit can trigger unintentionally!

Airbag unit is a pyrotechnic component that can lead to death on improper handling!

Only specially trained employees may carry out any work on the airbag system.

Disconnect the battery.

Always store airbag unit with the padded side pointing upward.

Always transport airbag unit in appropriate packaging.

Never leave airbag unit unattended, but lock safely in an appropriate cabinet.

Do not open or repair airbag unit.

Only install airbag unit in undamaged condition.

Do not perform any measurements on the airbag unit using a test lamp or multimeter.

Wear protective gloves and safety goggles.

No person may stay inside the vehicle when re-connecting the battery.

NOTE

Ensure proper cleanliness when working on the servo-steering.

Generally replace self-locking as well as corroded screws and nuts.

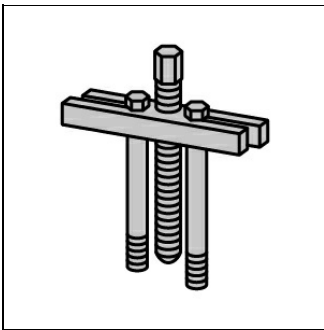
Repair work of any kind on the electromechanical steering column is not permissible, it must basically be completely replaced.

Observe disposal regulations!

Do not use oils, fats, chemicals and cleaners not approved by the manufacturer on airbag units.

The illustrations of these installation instructions are exemplary and are only intended for better understanding.

Required special tools



Puller

AUT (09561-11001)

Torques

Tightening torques

Self-locking screws and nuts must always be replaced.

Steering wheel nut(s)	(see Figure 1)	40 - 50 Nm
Universal joint bolt(s)	(see Figure 4)	30 - 35 Nm
Steering column		Nut(s) 13 - 18 Nm; Screw(s) 13 - 18 Nm

Remove:

Move steering wheel to the centre position and let steering lock engage.

Disconnect battery (negative terminal).

Keep waiting time of min. 30 s.

Remove driver's airbag.

Disconnect electric connectors.

Remove steering wheel and contact unit only when they are in centre position.

Unscrew the steering wheel nut(s). (1)

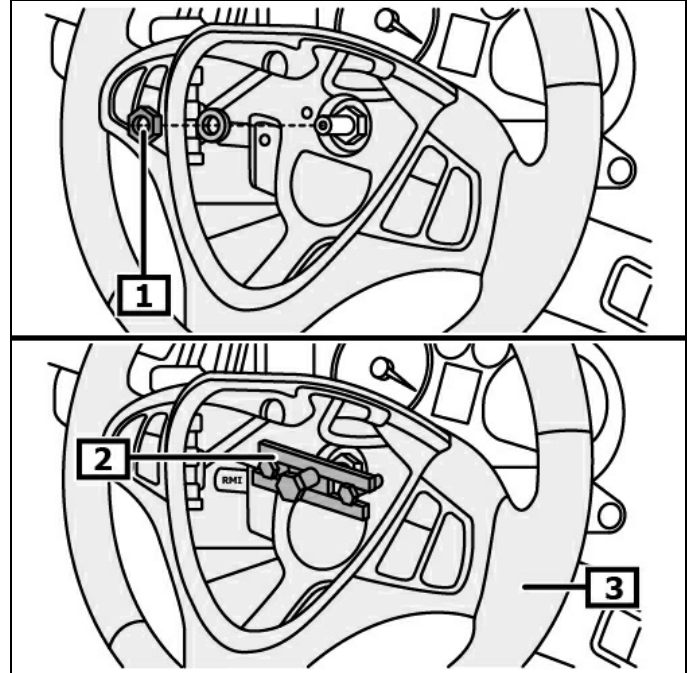
Pull off steering wheel from steering spindle using puller. (2)(3)

Required special tools:

Puller AUT (09561-11001)

(see Figure 1)

Figure 1



1 Steering wheel nut(s)

2 Steering wheel

3 Puller

Unscrew and remove steering column shroud(s) screw(s). (1)

Remove steering column panel(s). (2)

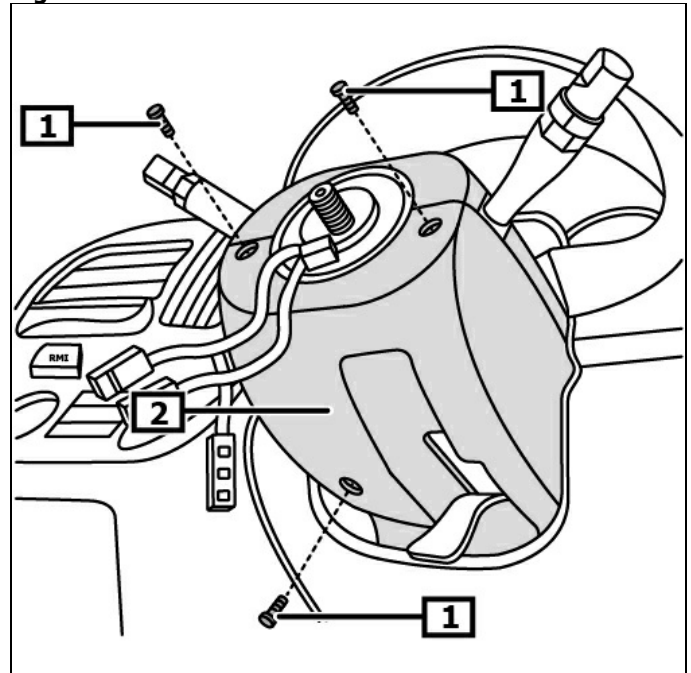
(see Figure 2)

Loosen contact unit electric plug connection.

Remove contact unit.

Demount steering-column switch.

Figure 2

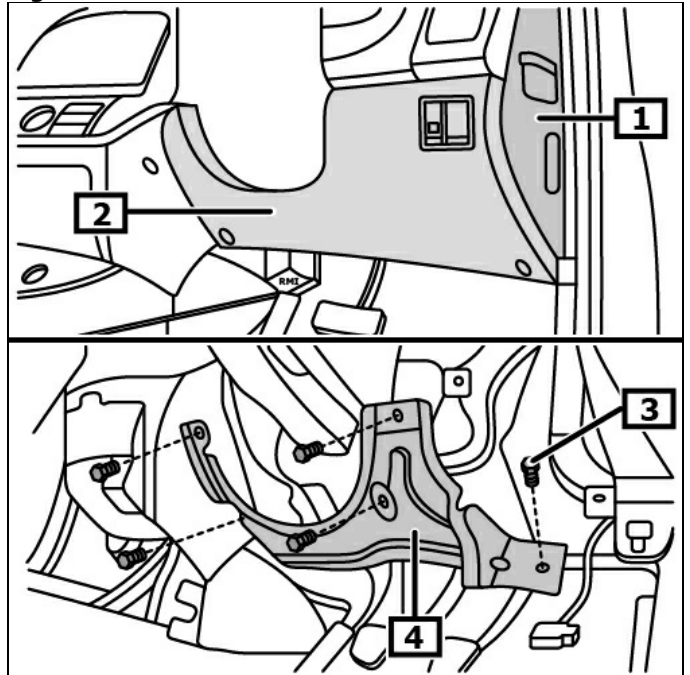


1 Steering column shroud(s)

2 Steering column shroud(s) screw(s)

Remove cover(s) at side of dashboard. **(1)**
 Remove dashboard covering. **(2)**
 Unscrew the reinforcement plate(s) screw(s). **(3)**
 Remove reinforcement plate. **(4)**
(see Figure 3)

Figure 3

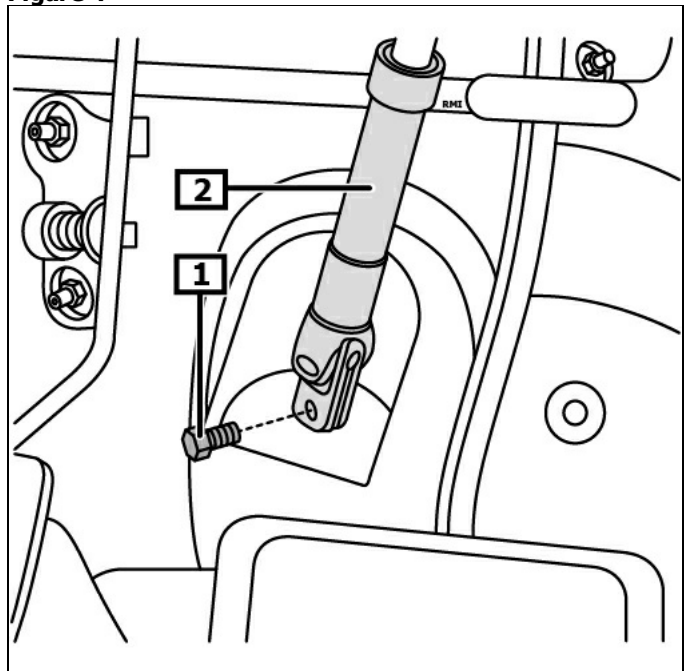


1 Cover(s) at side of dashboard. **2** Dashboard covering
3 Screw(s) - reinforcement plate(s) **4** Reinforcing plate(s)

Unscrew universal joint bolt(s). **(1)**
 Remove the universal joint upward from the steering gear. **(2)**
(see Figure 4)

Disconnect steering column electric plug connection(s).
 Unscrew and remove steering column nut(s).
 Unscrew the steering column screw(s).

Figure 4



1 Universal joint bolt(s) **2** Steering universal joint

Remove the steering column. **(1)**

Convert following components when replacing the steering column:

- Ignition starter switch
 - Ignition lock **(2)**
 - Intermediate steering shaft **(3)**
- (see Figure 5)**

Install:

Grease bearing points and sliding surfaces during installation.

Installation in reverse order of removal.

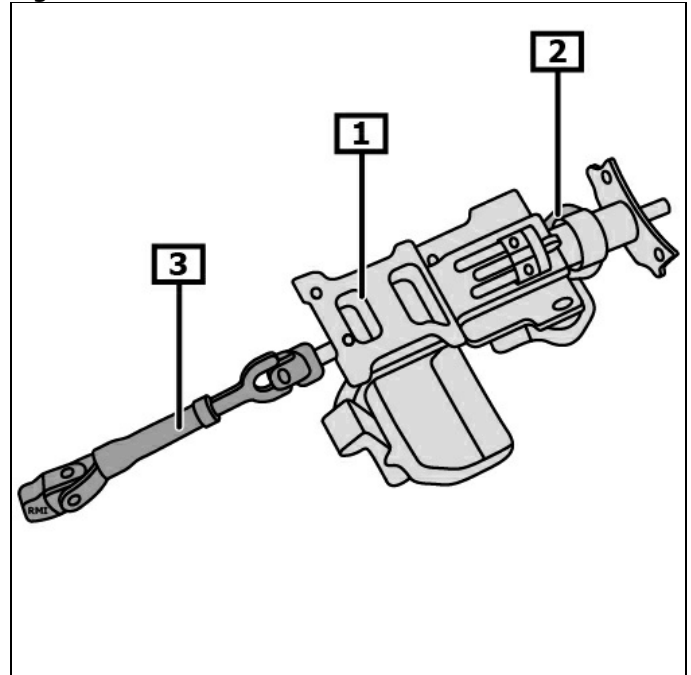
Code radio and reprogram vehicle settings if required.
Check electrical system for function.

Teach the steering angle sensor.

Teach steering angle sensor using appropriate diagnostic unit.

Note position of EOBD connection.

Figure 5



1 Steering column

2 Ignition lock

3 Intermediate steering shaft