



H&R Spezialfedern GmbH & Co. KG, Elspey Straße 36, 57368 Lennestadt  
Telefon (02721) 92600 • Telefax (02721) 10708 • [www.h-r.com](http://www.h-r.com)

## Mounting Instruction for ETS Audi Q7 / 29244-2

### Indication

The colours e.g. red/blue, mean thick red with small blue. All not mentioned cable-sections are 0,5mm<sup>2</sup>. All mentioned sides are in driving direction. The pin/plug numbers are obliging, the cable colours can differ.

### Mounting

The modul is mounted to the ECU which is in the trunk on the right side in an aluminum box with two big plugs. It is fitted with Velcro strip on the ECU.

The butt connectors are connected to the plugs of the ECU. Connect the leads as described in the figure and fit the butt connectors.

**The PIN-numbers are obliging**, the cable colours can differ.

Do not loosen the plugs from the ECU as an error could appear then. This error blocks the height adjustment and deletes itself after a few kilometres driving.

### Test

- replace tape + cable combinder
- shrink the watertight butt connectors
- lift and lower the car with the switch inside the car
- check the connections

An axle alignment must not be done as the ride height is less even at low speed to have enough comfort. If an axle alignment has to be done due to other reasons it has to be done when the car is in original height. In this case the diagnostic plug has to be used.

### Adjusting

The lowering can be adjusted for about.  $\pm 20$ mm. The hole with 2 points is for adjusting both axles (first step), the hole with 1 point is for adjusting the rear axle only (second step).

Carefully turn with a small screw driver. One turn clockwise means 2mm lower. After adjusting lift and lower the car with the switch inside the car to realize the adjustment.

### Handling problems

To solve any problems you can use the adapter plug to replace the lowering modul and to bring back the car into the original condition without changing the cables. The adaptor plug has to be carried in the car always.

If there are any doubts about the speed control lifting, maybe because the suspension is too hard at high speed, this can be tested as follows: behind the adjustment-hole for the rear axle there is a little lamp. The speed control works when this lamp flickers when ignition is on.

To keep the original driving-comfort, the lowering turns off at a speed of approx. 70 km/h. If you do not want this, please do not connect the cables GY/PK and RD/BU.

# Audi Q7

ECU

WH/PK	BN	Lowering system ETS	WH	WH/PK	90 rear left
GN/YE	GN		YE	GN/YE	91 rear right small plug
GY/BK	VT		BU	GY/BK	82 front left
BU/YE	PK		GY	BU/YE	83 front right
1,5 RD/YE			RD		4
1,5 BN			BK		1 big plug
OR/BK			GY/PK		61 H CAN
OR/BN			RD/BU		81 L

## The cable colours

GN/green  
BN/brown  
VT/violet  
WH/white  
RD/red  
OR/orange

GY/grey  
PK/pink  
YE/yellow  
BU/blue  
BK/black

