



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)

## **Instruction for Body Lowering Kit ETS W220 - 29242-1**

### **Indication**

The colours e.g. red/blue, mean thick red with small blue. All mentioned sides are in driving direction.

### **Mounting**

The modul is mounted in the modul box (in the engine room on the left backside) and is fitted with Velcro strip to the relais. In this box you can find the chassis ECU (AirMatic or ABC), and the ESP ECU, both labeled.

The butt connectors are connected to the plugs of the chassis ECU. The modul leads red (12V) and black (GND) are soldered at the big ESP-plug. The modul lead red/blue is connected to the small ESP-plug.

As far as cars with navigation system are concerned, just cut off the pin of the lead red/blue and solder the end. Without navigation system, the pin is introduced into the plug at the free place at pin1 as in this case there is no lead green/white.

Connect the leads as described in the figure and fit the butt connectors.

### **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 should be done.

### **Adjusting**

The lowering can be adjusted for about.  $\pm 15$ mm. The hole with 2 points is for adjusting both axles (step 1), the hole with 1 point is for adjusting the rear axles (step 2).

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**

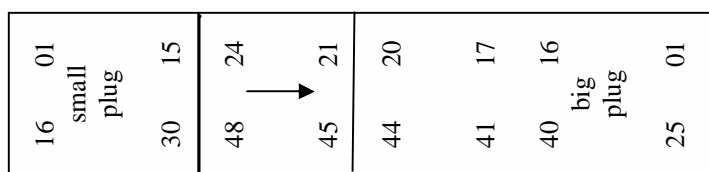
To solve your problems you can get an adapter plug to replace the lowering modul and to bring back the car into the original condition without changing the cables. For analysing the problem you need a plot with the MB-diagnostic-system in the menu display "level-sensor actual value".

### *AirMatic 220*

				AirMatic ECU	
BN/GY	GN	4-lead cable	YE	BN/GY	25
YE/BK	BN		WH	YE/BK	21
GN/RD	PK	lowering modul	GY	GN/RD	38
BK/BU	VT		BU	BK/BU	34
BN/RD	GN	11-lead cable	YE	BN/RD	big plug 36
BK/YE	BN		WH	BK/YE	40
GN/WH			RD/BU	ESP ECU	
1,5 RD			RD	1 small plug	48
1,5 BN			BK	big plug	47

### *AirMatic & ABC*

The ESP & AirMatic & ABC ECU have all the same following plug, top view:



**the cable coulors**

gn/grün	GN/green	gr/grau	GY/grey
br/braun	BN/brown	rs/rosa	PK/pink
vi/violett	VT/violet	ge/gelb	YE/yellow
ws/weiß	WH/white	bl/blau	BU/blue
rt/rot	RD/red	sw/schwarz	BK/black