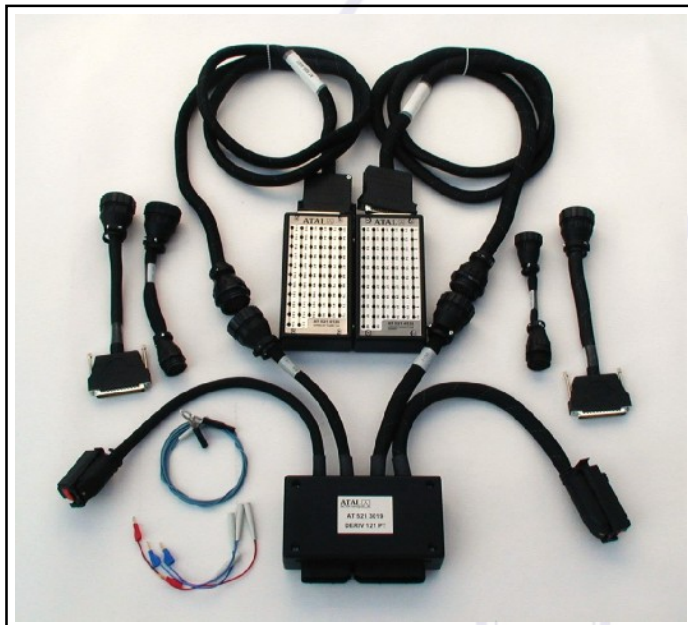


Multi-Di@g Harness

- **Multi-Di@g Harness** is intended for measuring of input and output signals on electronic control units, which are mostly used to control engine functions. It can also be used for measuring of other electronic control units mounted in today's vehicles. Measuring may be performed even on a functioning system (e.g. with a running engine).
- **Multi-Di@g Harness** is also intended for measuring of parameters of the elements connected to the electronic control unit via a cable bundle.
 - Measurement is performed with a help of the oscilloscope cable connected via adapters to the **interconnection array**
 - **Interconnection** array was designed for measurement of both input and output signals of particular elements and their other characteristics, respectively.
 - Elements are connected with **T-adapters**
- In many cases, electronic system faults are identified very generally through the dashboard diagnostic (e.g. by turning a dashboard lamp on) or by reading control unit's fault memory. The fault must then be detected by measuring the pertinent circuit, which is very difficult to access on the new vehicle models.
- **Multi-Di@g Harness** set is an efficient tool allowing connecting the measuring device to the tested circuit.



Multi-Di@g Harness 124 PT (AT 521 3038)

The set consists of two 62-pin break out boxes, connecting cables, measure card and accessory case. It can be used in two ways: 1) 124-pin array to connect T-adapters up to total of 124 pins
2) two separate sets of Multi-Di@g Harness 62 pt

Measure card rennumbers break out box pins to the range of 63 till 124.

AT 521 4035	interconnection array 62 PT (2 pc)	AT 521 4093	reduction 62/62 PT (2 pc)
AT 521 4126	measuring card 63/124 PT	AT 520 4027	ECU extension cable (2 pc)
AT 520 3032	reduction 28/14 PT	AT 520 4095	adapter with 1 pole Ø 2 / Ø 4 mm (4 pc)
AT 520 4034	reduction 62/28 PT	AT 521 4048	ground wire
		AT 520 4080	accessory case AT 520

Multi-Di@g Harness 62 PT - Enhancement (AT 521 3039)

The set consists of 62-pin break out box, cable and measure cards. It allows to extend one of previous sets by 62 pins (to 124 pin and to 186 pins, respectively). Measure cards stand for pin renumbering.

AT 521 4035	interconnection array 62 PT	AT 521 4127	measuring card 125/186 PT
AT 521 4126	measuring card 63/124 PT	AT 520 4027	ECU extension cable
		AT 521 4093	reduction 62/62 PT

Table of adapters for Electronic Control Units

Reference	Name of adapter	ALFA ROMEO	AUDI	BMW	CITROËN	DACIA	FIAT	FORD	LANCIA	LADA (VAZ)	MAZDA	MITSUBISHI	NISSAN	OPEL	PEUGEOT	PORSCHE	RENAULT	SAAB	SEAT	ŠKODA	TOYOTA	VOLKSWAGEN	VOLVO
1. AT 520 3039	DRV IGN 2/3 PT																						
2. AT 520 4017	DRV IGN 3 PT - A																						
3. AT 520 3033	DRV IGN 3 PT - B																						
4. AT 520 4018	DRV IGN 4 PT - A																						
5. AT 521 4046	DRV IGN 4 PT - B																						
6. AT 520 3034	DRV IGN 7 PT																						
7. AT 520 3028	DERIV 15 PT																						
8. AT 520 3029	DERIV 25 PT																						
9. AT 520 3030	DERIV 35 PT																						
10. AT 521 3080	DERIV 38 PT																						
11. AT 521 3081	DERIV 42/54 PT																						
12. AT 521 3082	DERIV 52 PT																						
13. AT 520 3031	DERIV 55 PT (37 PT)																						
14. AT 521 3091	DERIV 56 PT																						
15. AT 521 3092	DERIV 56/88 PT																						
16. AT 521 3083	DERIV 60 PT - A																						
17. AT 521 3084	DERIV 60 PT - B																						
18. AT 521 3085	DERIV 64 PT																						
19. AT 521 3086	DERIV 64/76 PT																						
20. AT 520 3089	DERIV 68 PT (45 PT)																						
21. AT 521 3087	DERIV 70 PT																						
22. AT 521 3088	DERIV 76 PT																						
23. AT 520 4083	DERIV 80 PT (52PT + 28PT)																						
24. AT 521 3089	DERIV 86 PT																						
25. AT 521 3090	DERIV 88 PT																						
26. AT 521 3019	DERIV 121 PT																						