

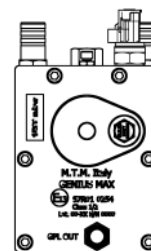
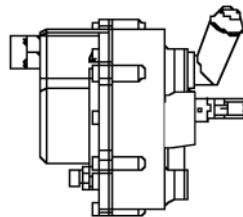
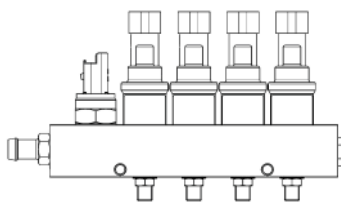
M.T.M. s.r.l.

Via La Morra, 1
12062 - Cherasco (Cn) - Italy
Tel. +39 0172 4860140
Fax +39 0172 488237



installation handbook - 1/3
installation typologies - 2/3
software handbook - 3/3

LPG Sequent 56 with BRC injectors and Genius 56/Genius 56 MAX reducer



RIFERIMENTI UTILI

For further information on “SEQUENT 56” system, it is recommended to refer to the other handbooks and informative documents published by BRC.

• **Installer’s handbook.**

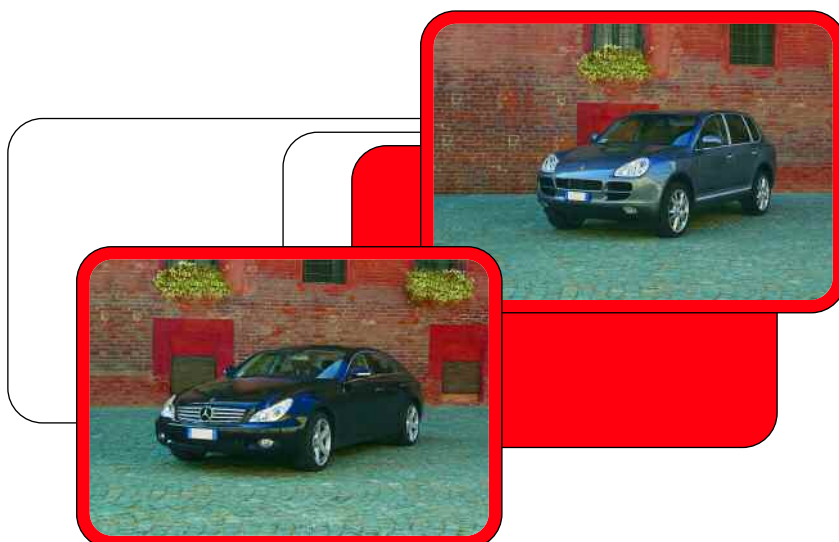
It is the easiest way to obtain fundamental, general information regarding the installation of the SEQUENT 56 equipment.

Inside that, it is moreover possible to find:

- knowledge about the working principle and the structure of the system,
- a detailed description of the components which the system is made up,
- indications about the assembly of the mechanical part and electrical connections.

• **Software handbook.**

It is the indispensable guide for who wants to learn managing the system by means of a personal computer, realizing mappings, programming the ECUs, making diagnosis, modifying the working parameters. It describes the working of the “SEQUENT 56” software, which runs on Personal Computers, by driving the user in the various steps of each function.





PRESENTAZIONE

follow the wiring diagrams indicated on each mechanical diagram

Please remark that the representation of the products on the mechanical diagrams is purely indicative.

II Front Kit SEQUENT 56 contains:

- 1 Sequent 56 ECU without cartography,
- 1 GENIUS SEQUENT 56 LPG or GENIUS MAX 56 SEQUENT LPG pressure reducer with water temperature sensor,
- 1 LPG “ET98 Super” solenoid valve,
- 5, 6 o 8 depending on the number of cylinders BRC gas injectors with respective calibrated nozzles,
- 1 or 2 BRC injectors connection rail with a gas temperature or pressure sensor version normal or supercharged,
- 1 filter “FJ1 HE”
- 1 Changeover switch Sequent 56
- 1 harness BRC injectors Sequent 56,
- 1 roll of ø 8 copper pipe,
- 16x23 Water pipe,
- 1 bag containing screws, nuts and various fittings,
- 10x17 or 12x19 Gas pipe,
- 5x10,5 Gas pipe to be used on the injectors and on the pressure points,
- A bag containing: idling nozzle, nylon Y piece, nuts, junctions and “click” clamps for 5x10,5, 10x17 and 12x19 gas pipes, “click” clamps for the pressure points.

According to the type of vehicle to be converted, in the following mechanical scheme you will find the indication of the necessary front kit where the technician will find all the suitable and necessary components for the installation.

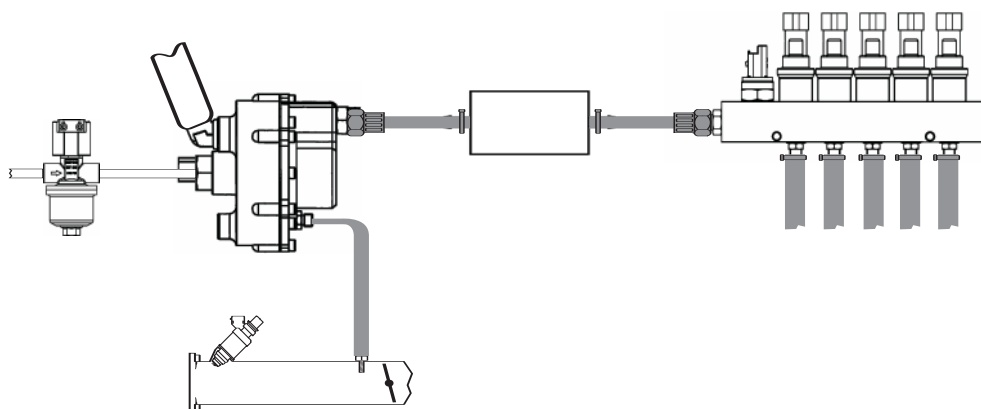
For the general electrical connections it will be sufficient to



LPG SEQUENT 56 MECHANICAL DIAGRAM ON VEHICLES WITH 5-CYLINDERS WITH POWER LOWER THAN 140 kW

M.D. 1
LPG

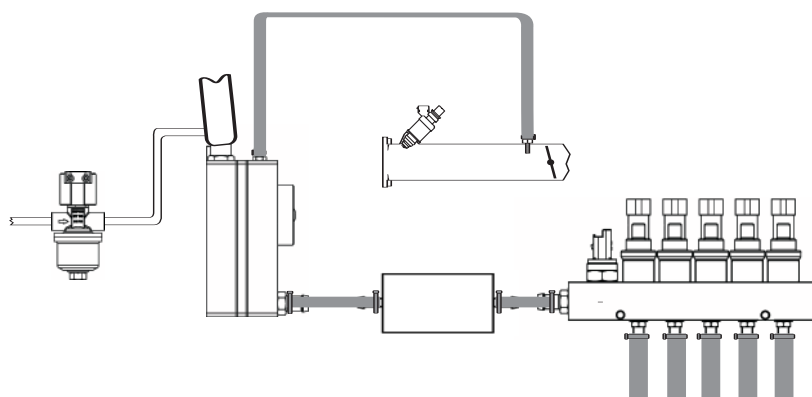
Vehicle Type	Gas injectors	Front Kit	Electrical Diagram
5 Cylinders Aspirated power lower than 100 kW	BRC NORMAL	09SQ20000028G LPG Genius Sequent 56/24 1500 mbar Super Soleniod Valve Pressure and temperature gas sensor	E.D. 01 LPG
5 Cylinders Aspirated power included between 100 and 140 kW	BRC MAX	09SQ20000012G LPG Genius Sequent 56/24 1500 mbar Super Soleniod Valve Pressure and temperature gas sensor	E.D. 01 LPG
5 Cylinders Supercharged power lower than 140 kW	BRC MAX	09SQ20000013G LPG Genius Sequent 56/24 1500 mbar Super Soleniod Valve Supercharged press. and temp. gas sensor	E.D. 01 LPG

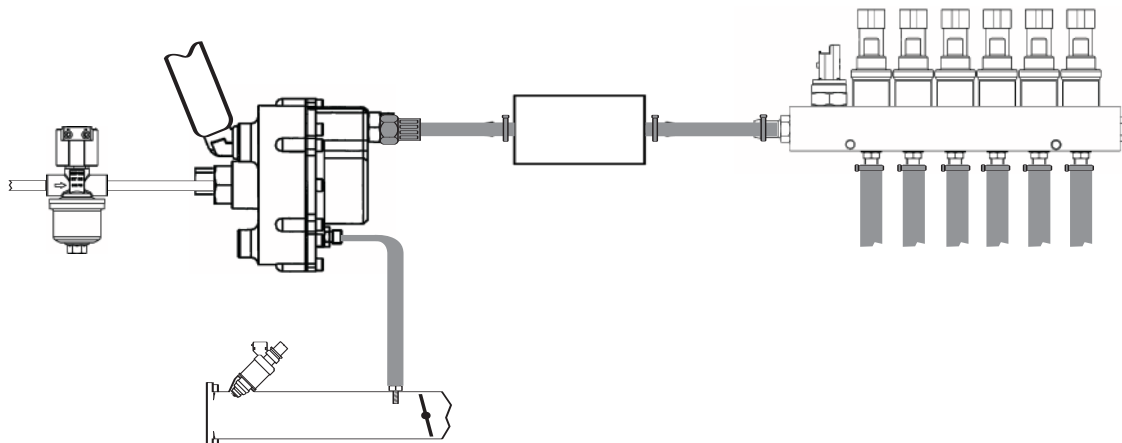


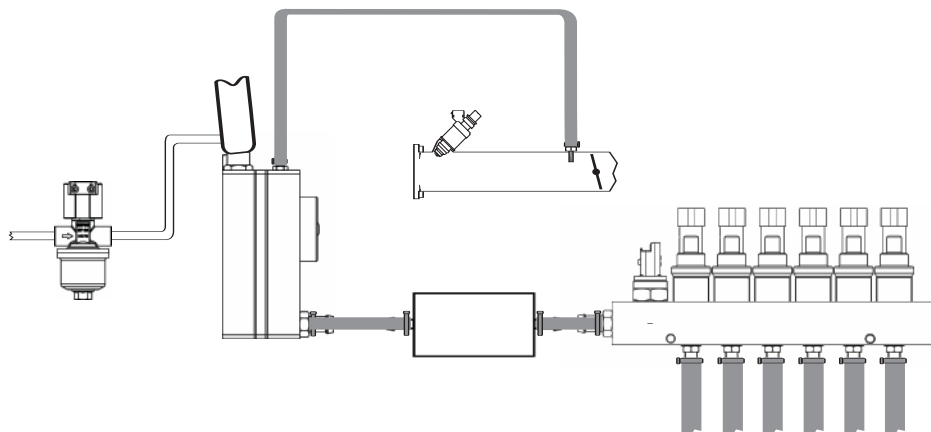
LPG SEQUENT 56 MECHANICAL DIAGRAM ON VEHICLES WITH 5-CYLINDERS POWER INCLUDED BETWEEN 120 kW AND 180 kW

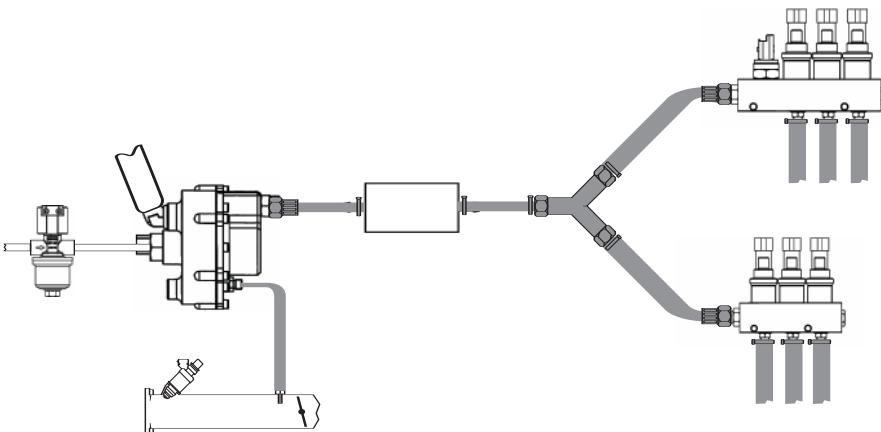
M.D. 2
LPG

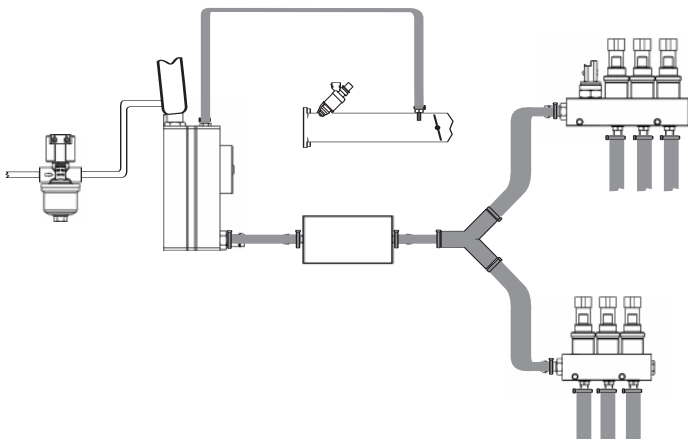
Vehicle Type	Gas injectors	Front Kit	Electrical Diagram
5 Cylinders Aspirated power included between 120 kW and 150 kW	BRC MAX	09SQ20000035G Genius MAX Sequent 56 Super Soleniod Valve Press. and temp. gas sensor	E.D. 02 LPG
5 Cylinders Aspirated power included between 140 kW and 160 kW	BRC SUPER MAX	09SQ20000014G Genius MAX Sequent 56 Super Soleniod Valve Press. and temp. gas sensor	E.D. 02 LPG
5 Cylinders Supercharged power included between 140 kW and 180 kW	BRC SUPER MAX	09SQ20000015G Genius MAX Sequent 56 Super Soleniod Valve Supercharged Press. and temp. gas sensor	E.D. 02 LPG

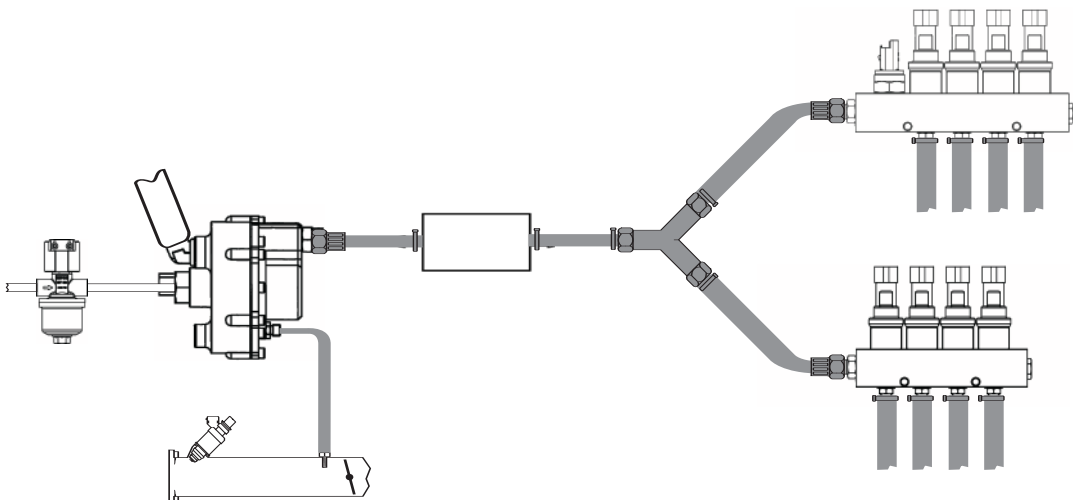


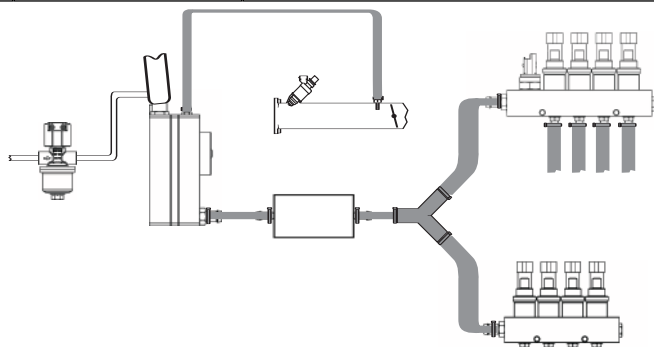
		LPG SEQUENT 56 MECHANICAL DIAGRAM ON VEHICLES WITH 6 STRAIGHT CYLINDERS WITH POWER LOWER THAN 140 kW		M.D. 3 LPG
Vehicle Type	Gas injectors	Front Kit	Electrical Diagram	
6 Cylinders Aspirated power lower than 120 kW	BRC NORMAL	09SQ20000029G LPG Genius Sequent 56/24 1500 mbar Super Soleniod Valve Pressure and temperature gas sensor	E.D. 03 LPG	
6 Cylinders Aspirated power included between 120 and 140 kW	BRC MAX	09SQ20000016G LPG Genius Sequent 56/24 1500 mbar Super Soleniod Valve Pressure and temperature gas sensor	E.D. 03 LPG	
6 Cylinders Supercharged power lower than 140 kW	BRC NORMAL	09SQ20000017G LPG Genius Sequent 56/24 1500 mbar Super Soleniod Valve Supercharged Press. and temp. gas sensor	E.D. 03 LPG	
				

		LPG SEQUENT 56 MECHANICAL DIAGRAM ON VEHICLES WITH 6 STRAIGHT CYLINDERS POWER INCLUDED BETWEEN 140 kW AND 200 kW		M.D. 4 LPG
Vehicle Type	Gas injectors	Front Kit	Electrical Diagram	
6 Cylinders Aspirated power included between 140 kW and 165 kW	BRC MAX	09SQ20000036G Genius MAX Sequent 56 Super Soleniod Valve Press. and temp. gas sensor	E.D. 04 LPG	
6 Cylinders Aspirated power included between 140 kW and 190 kW	BRC SUPER MAX	09SQ20000018G Genius MAX Sequent 56 Super Soleniod Valve Press. and temp. gas sensor	E.D. 04 LPG	
6 Cylinders Supercharged power included between 140 kW and 200 kW	BRC SUPER MAX	09SQ20000019G Genius MAX Sequent 56 Super Soleniod Valve Supercharged Press. and temp. gas sensor	E.D. 04 LPG	
				

		LPG SEQUENT 56 MECHANICAL DIAGRAM ON VEHICLES WITH 6-CYLINDERS “V-SHAPED” WITH POWER LOWER THAN 140 kW		M.D. 5 LPG
Vehicle Type	Gas injectors	Front Kit	Electrical Diagram	
6 Cylinders “V-shaped” Aspirated power lower than 120 kW	BRC NORMAL	09SQ20000030G LPG Genius Sequent 56/24/24 1500 mbar Super Soleniod Valve Pressure and temperature gas sensor	E.D. 05 LPG	
6 Cylinders “V-shaped” Aspirated power included between 120 kW and 140 kW	BRC MAX	09SQ20000020G LPG Genius Sequent 56/24/24 1500 mbar Super Soleniod Valve Pressure and temperature gas sensor	E.D. 05 LPG	
6 Cylinders “V-shaped” Supercharged power lower than 140 kW	BRC NORMAL	09SQ20000021G LPG Genius Sequent 56/24/24 1500 mbar Super Soleniod Valve Supercharged Press. and temp. gas sensor	E.D. 05 LPG	
				

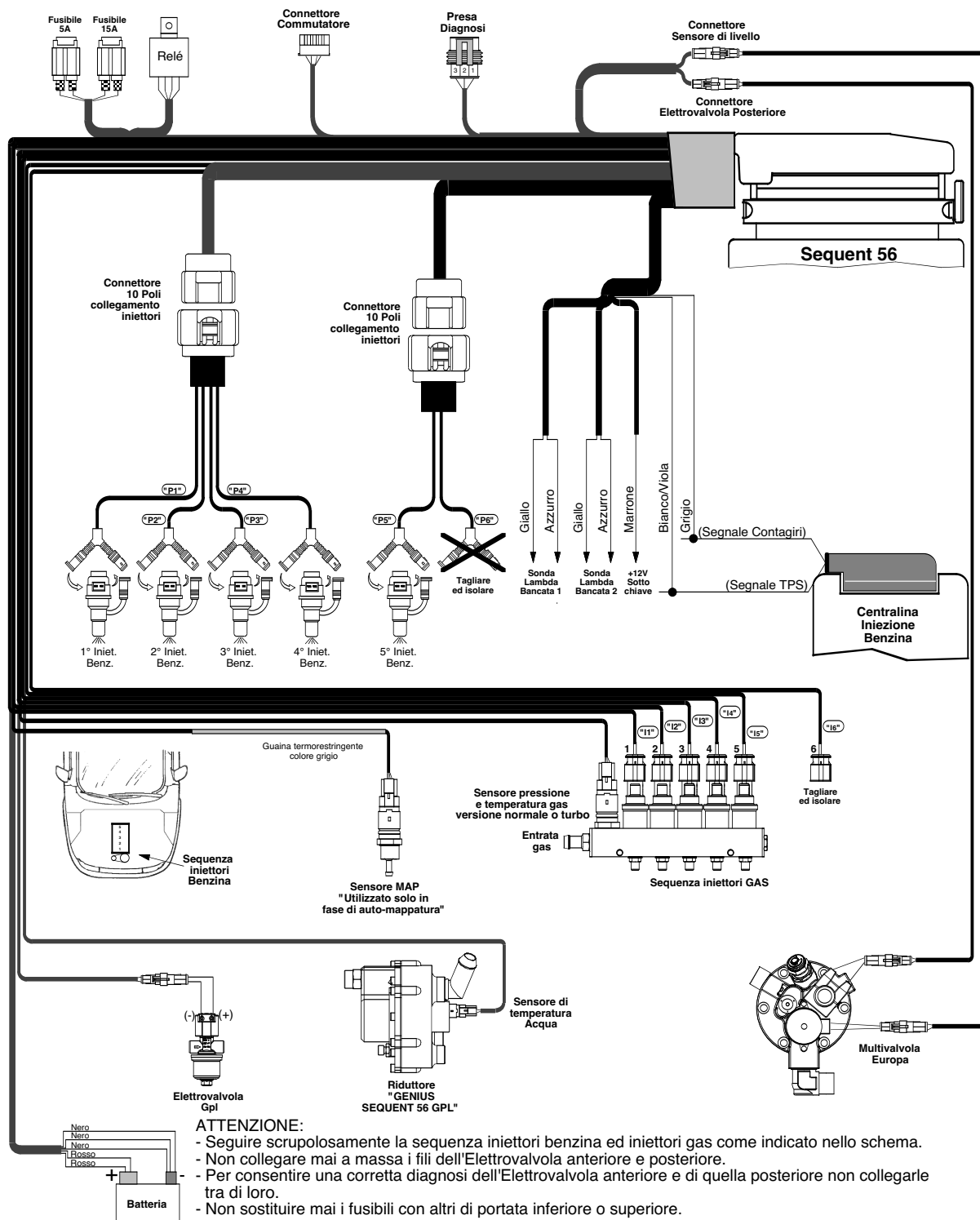
		LPG SEQUENT 56 MECHANICAL DIAGRAM ON VEHICLES WITH 6-CYLINDERS “V-SHAPED” WITH POWER INCLUDED BETWEEN 140 AND 200 kW		M.D. 6 LPG
Vehicle Type	Gas injectors	Front Kit	Electrical Diagram	
6 Cylinders “V-shaped” Aspirated powered included between 140 and 165 kW	BRC MAX	09SQ20000037G Genius MAX Sequent 56 Super Soleniod Valve Press. and temp. gas sensor	E.D. 06 LPG	
6 Cylinders “V-shaped” Aspirated powered included between 140 and 190 kW	BRC SUPER MAX	09SQ20000022G Genius MAX Sequent 56 Super Soleniod Valve Press. and temp. gas sensor	E.D. 06 LPG	
6 Cylinders “V-shaped” Supercharged powered included between 140 and 200 kW	BRC SUPER MAX	09SQ20000023G Genius MAX Sequent 56 Super Soleniod Valve Supercharged Press. and temp. gas sensor	E.D. 06 LPG	
				

		LPG SEQUENT 56 MECHANICAL DIAGRAM ON VEHICLES WITH 8-CYLINDERS “V-SHAPED” WITH POWER LOWER THAN 140 KW		M.D. 07 LPG
Vehicle Type	Gas injectors	Front Kit	Electrical Diagram	
8 Cylinders “V-shaped” Supercharged power lower than 140 kW	BRC NORMAL	09SQ20000024G LPG Genius Sequent 56/24/24 1500 mbar Super Soleniod Valve Pressure and temperature gas sensor	E.D. 07 LPG	
8 Cylinders “V-shaped” Supercharged power lower than 140 kW	BRC NORMAL	09SQ20000025G LPG Genius Sequent 56/24 1500 mbar Super Soleniod Valve Press. and temp. gas sensor	E.D. 07 LPG	
				

		LPG SEQUENT 56 MECHANICAL DIAGRAM ON VEHICLES WITH 8-CYLINDERS “V-SHAPED” WITH POWER INCLUDED BETWEEN 140 AND 240 kW		M.D. 8 LPG
Vehicle Type	Gas injectors	Kit Base	Electrical Diagram	
8 Cylinders “V-shaped” Aspirated powered included between 140 and 200 kW	BRC MAX	09SQ20000026G Genius MAX Sequent 56 Super Soleniod Valve Press. and temp. gas sensor	E.D. 08 LPG	
8 Cylinders “V-shaped” Supercharged powered included between 140 and 200 kW	BRC MAX	09SQ20000027G Genius MAX Sequent 56 Super Soleniod Valve Supercharged Press. and temp. gas sensor	E.D. 08 LPG	
8 Cylinders “V-shaped” Aspirated powered included between 160 and 240 kW	BRC Super MAX	09SQ20000038G Genius MAX Sequent 56 Super Soleniod Valve Press. and temp. gas sensor	E.D. 08 LPG	
8 Cylinders “V-shaped” Supercharged powered included between 160 and 240 kW	BRC Super MAX	09SQ20000039G Genius MAX Sequent 56 Super Soleniod Valve Supercharged Press. and temp. gas sensor	E.D. 08 LPG	
				

LPG SEQUENT 56 ELECTRICAL DIAGRAM ON VEHICLES WITH 5-CYLINDERS ASPIRATED OR SUPERCHARGED WITH POWER LOWER THAN 140 kW

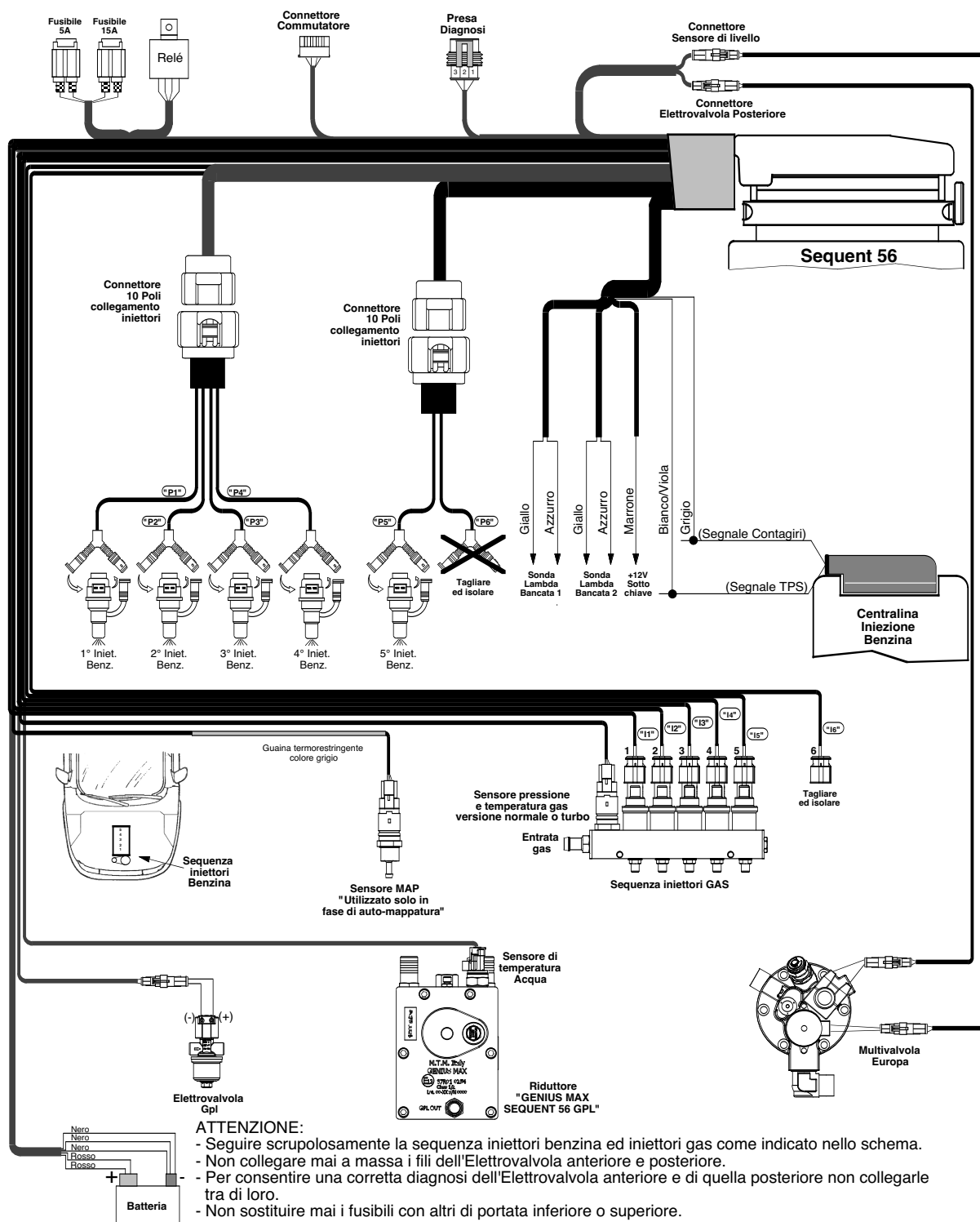
**E.D. 01
LPG**



CAUTION:

Be careful with the cars for which the manufacturer prohibits or advises against disconnecting the battery, not to alter the antitheft devices or automatic adaptivity - Never use welders connected to the battery of the same car - Connect with suitably insulated soft solderings - Position the BRC electrical devices in a well ventilated area, protected from water seepages and heat sources - We recommend to insulate the BRC electronic control unit wires which are not connected - BRC reserves the right to modify this diagram without notice - We also recommend you to be sure to have the last revision of the diagram drawn up by BRC.

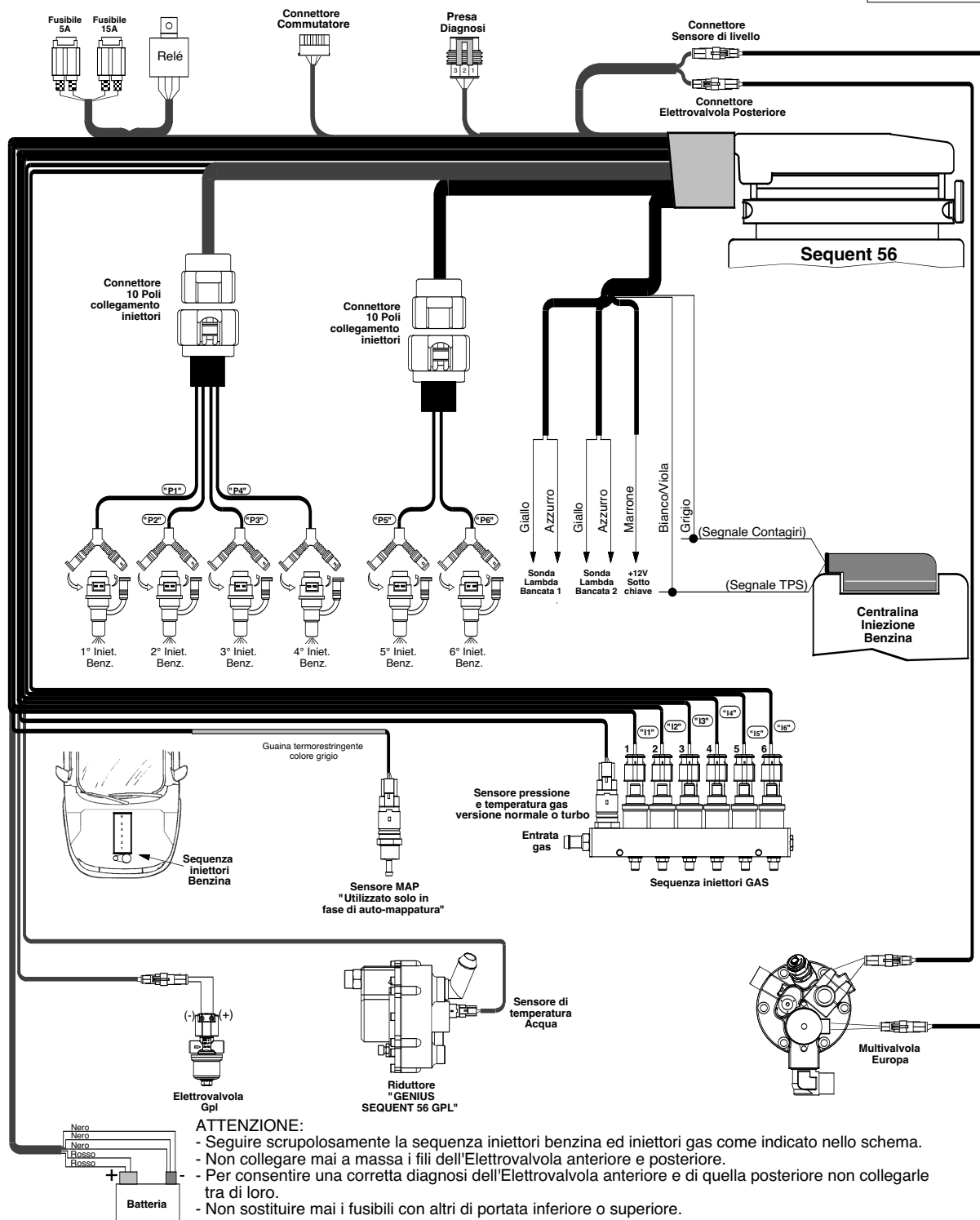
E.D. 02
LPG



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LPG SEQUENT 56 ELECTRICAL DIAGRAM ON VEHICLES WITH 6 STRAIGHT CYLINDERS ASPIRATED OR SUPERCHARGED WITH POWER LOWER THAN 140 kW

E.D. 03
LPG



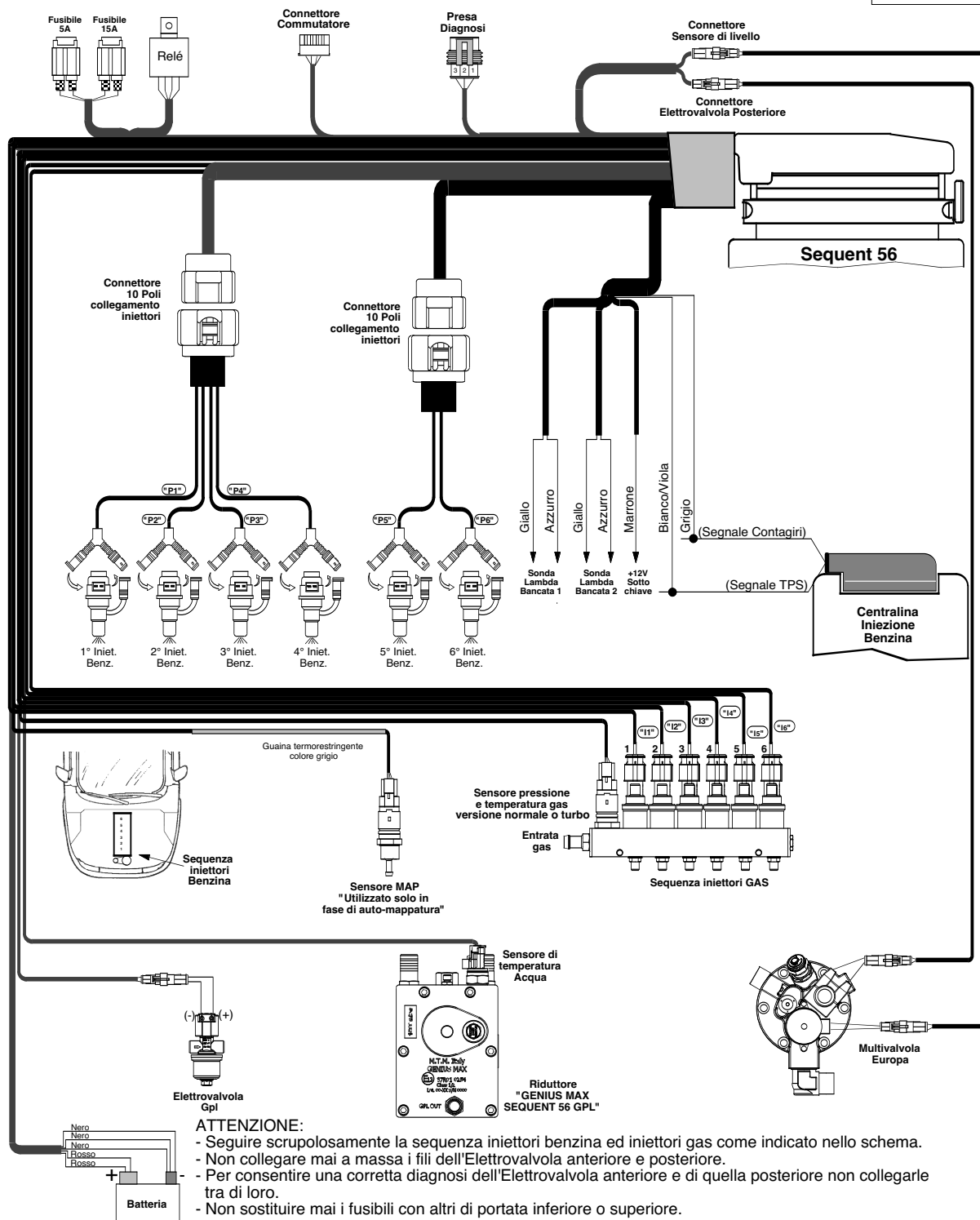
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LPG SEQUENT 56 ELECTRICAL DIAGRAM

ON VEHICLES WITH 6-STRAIGHT CYLINDERS ASPIRATED OR SUPER-CHARGED WITH POWER INCLUDED BETWEEN 140 OR 200 kW

**E.D. 04
LPG**

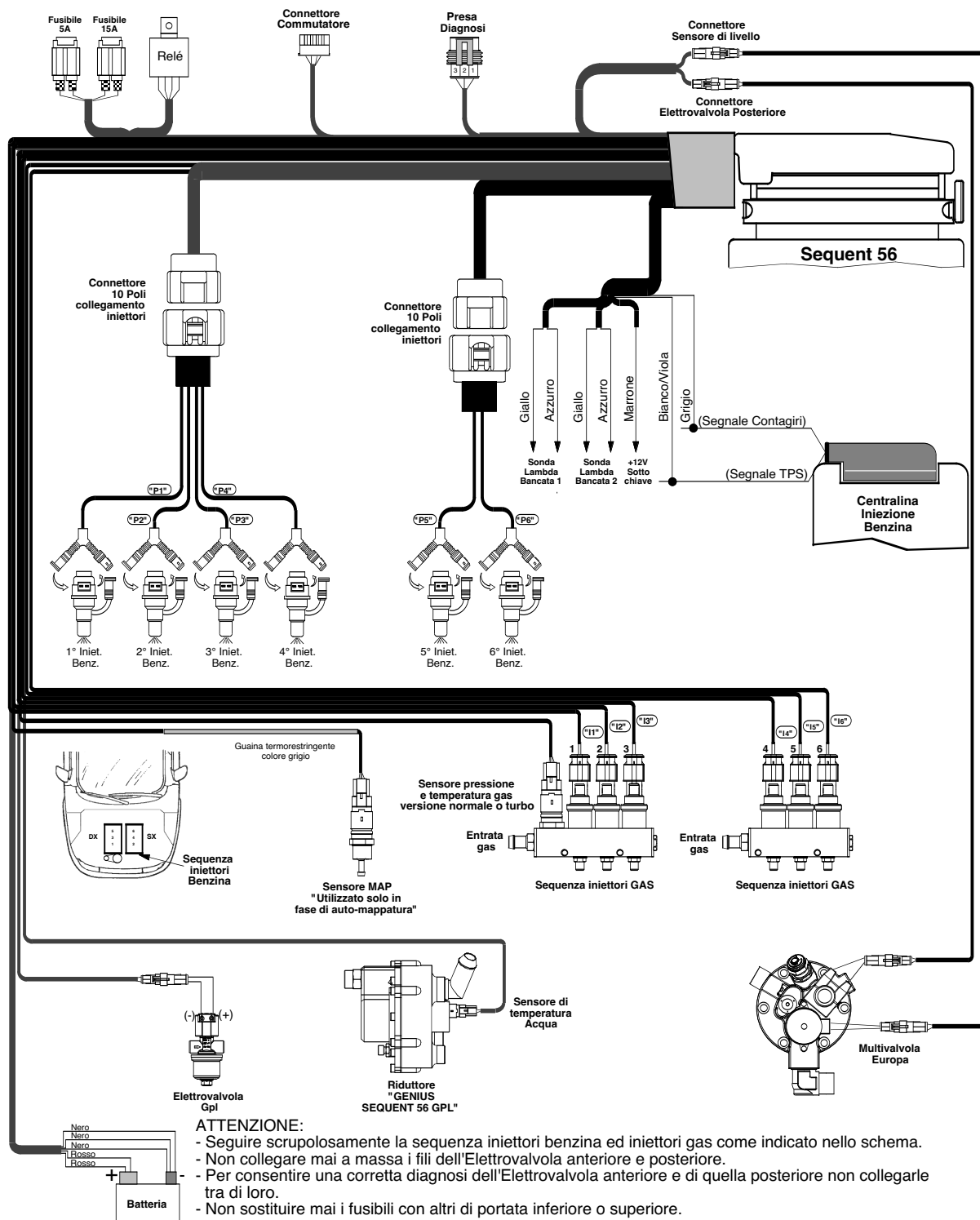


CAUTION:

Be careful with the cars for which the manufacturer prohibits or advises against disconnecting the battery, not to alter the antitheft devices or automatic adaptivity - Never use welders connected to the battery of the same car - Connect with suitably insulated soft solderings - Position the BRC electrical devices in a well ventilated area, protected from water seepages and heat sources - We recommend to insulate the BRC electronic control unit wires which are not connected - BRC reserves the right to modify this diagram without notice - We also recommend you to be sure to have the last revision of the diagram drawn up by BRC.

LPG SEQUENT 56 ELECTRICAL DIAGRAM ON VEHICLES WITH 6-CYLINDERS "V-SHAPED" ASPIRATED OR SUPERCHARGED POWERED LOWER THAN 140 kW

E.D. 05
LPG



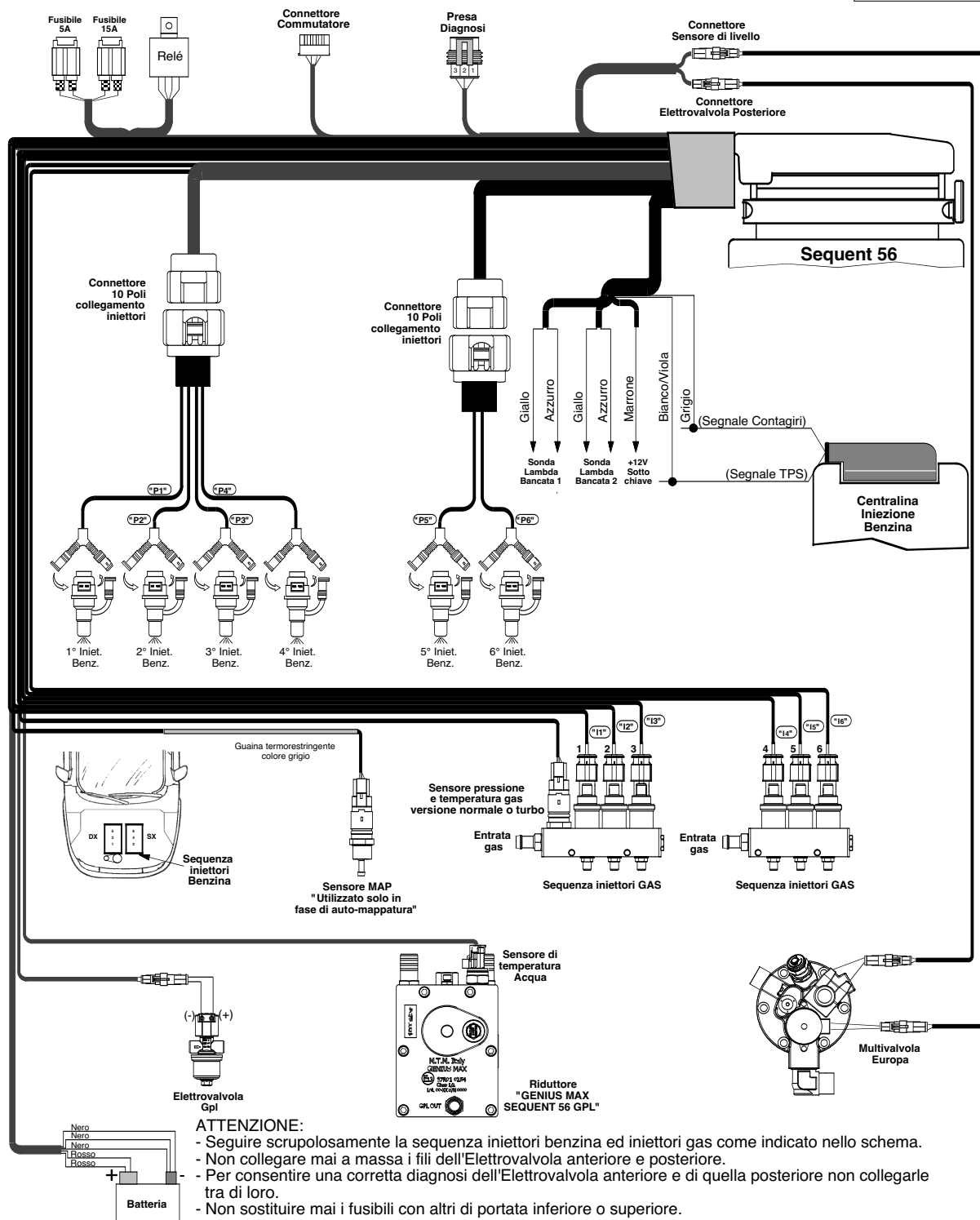
CAUTION:

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LPG SEQUENT 56 ELECTRICAL DIAGRAM

ON VEHICLES WITH 6-CYLINDERS "V-SHAPED" ASPIRATED OR SUPER-CHARGED WITH POWER INCLUDED BETWEEN 140 kW OR 200 kW

E.D. 06
LPG

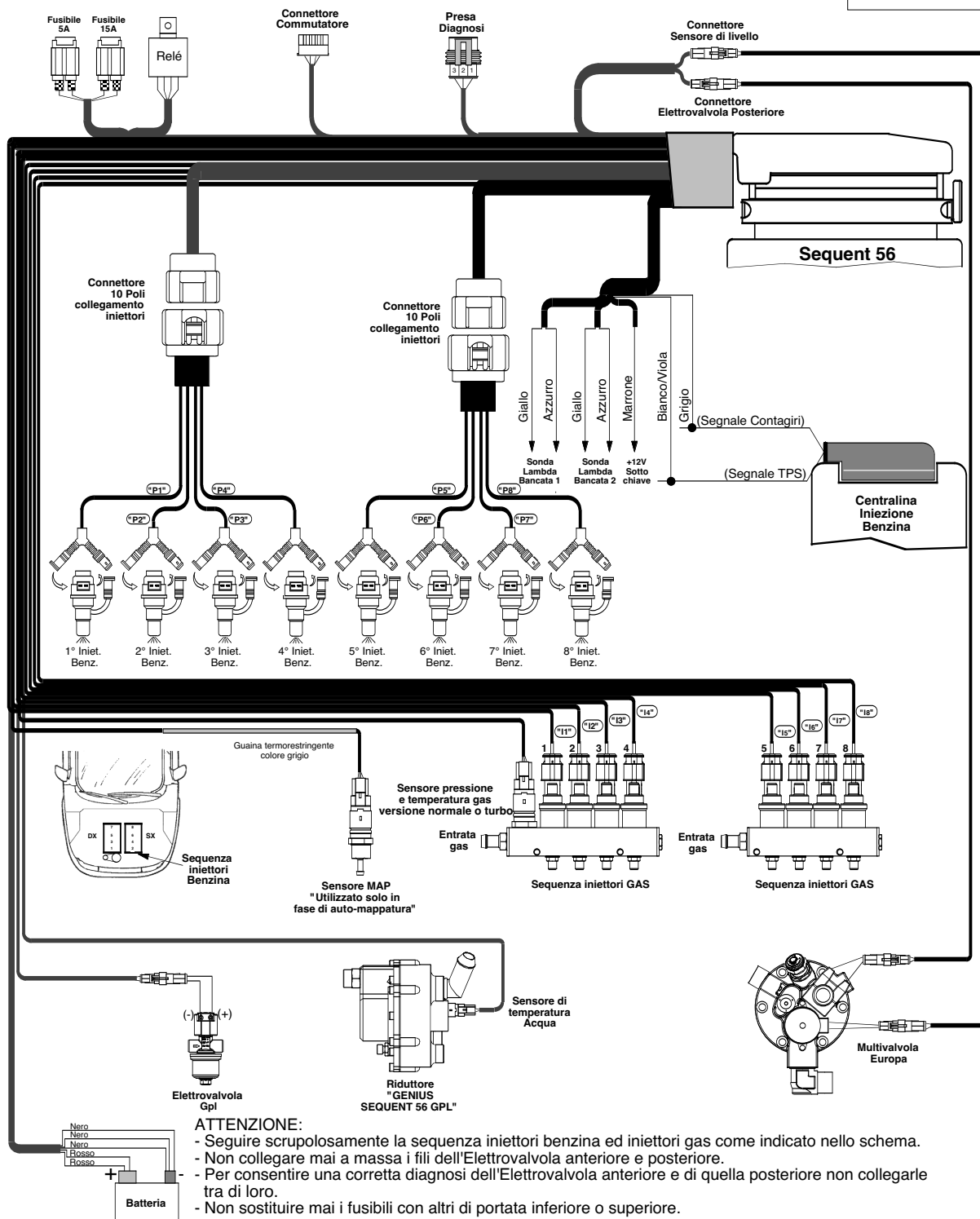


CAUTION:

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LPG SEQUENT 56 ELECTRICAL DIAGRAM ON VEHICLES WITH 8-CYLINDERS "V-SHAPED" ASPIRATED OR SUPERCHARGED POWERED LOWER THAN 140 kW

**E.D. 07
LPG**



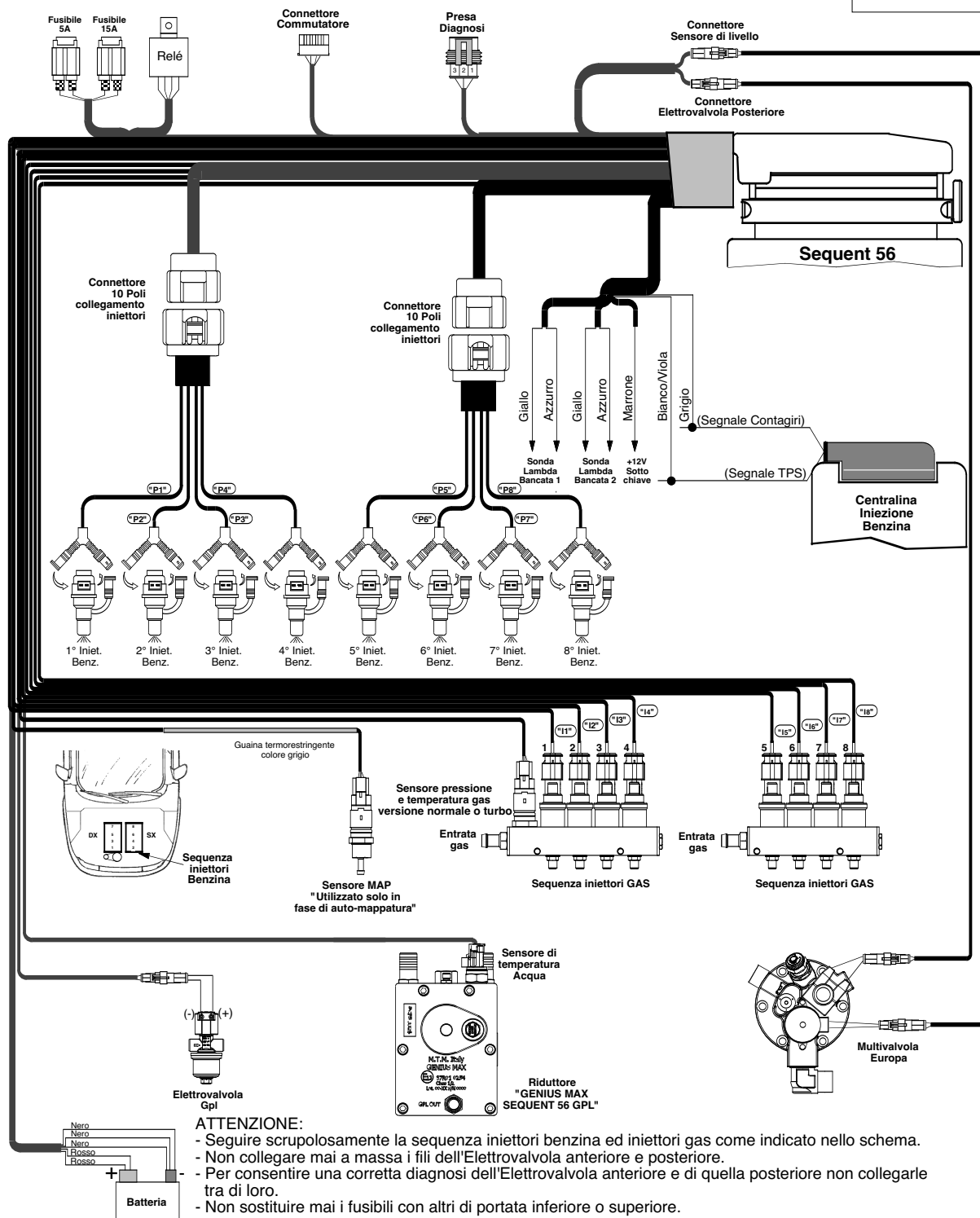
CAUTION:

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LPG SEQUENT 56 ELECTRICAL DIAGRAM

ON VEHICLES WITH 8-CYLINDERS "V-SHAPED" ASPIRATED OR SUPER-CHARGED WITH POWER INCLUDED BETWEEN 140 kW OR 200 kW

E.D. 08
LPG



CAUTION:

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