



Tartarini Auto S.p.A.
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Castel Maggiore, June 19th 2007
To all our customers

RAIL SGI TAU EVO 07

It is available our new Rail SGI TAU EVO 07 (Picture 1).



(Picture 1)

Following characteristics make it **perfectly interchangeable with our actual Tartarini Rail:**

1. Electronic compatibility: Every version of Tartarini electronic unit.
2. Electric compatibility: AMP 2 wires coil plugs.
3. Electric compatibility: integrated temperature sensor plug.
4. Pneumatic compatibility: 10-11 mm. internal diameter Gas inlet hose
5. Pneumatic compatibility: 6mm. Internal diameter rail-to-manifold gas hose
6. Pneumatic compatibility: 4mm. Internal diameter MAP signal hose



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7. Main characteristics:

Driving type	Pick&hold
Working pressure	0-3 bar
Working temperature	(-40;+120 °C)
Homologations	67R01 e 110R00
Opening time [1bar-12V]	2,5 ms
Closing time [1bar-12V]	1,8 ms
Temperature sensor type	NTC
Layout	1,2,3 & 4 cylinders *

* 3&4 cylinders are available from today. 1&2 cylinders will be available very soon

Initially this Rail will be introduced only in top kits with regulator RP/G 05 S.

In order to choose the calibrated diameter of nozzles according to the requested power, please refer to this chart:

Maximum supplied power [kW]				
Diameter [mm]	4 cyl.	5 cyl.	6 cyl.	8 cyl.
1,75	70	85	100	120
2,0	85	103	120	145
2,25	100	120	140	170
2,5	111	134	155	188
2,75	120	144	167	202
3,0	130	152	178	215
4,0	140	165	190	230
4,0	150	180	205	245

Correct choice of nozzle will be determined by gas injection time at idle without loads, with warm engine, and shall be between **3 and 3,5 ms**.

In order to obtain 4,0mm. diameter, do not introduce any nozzle. Internal diameter of the fitting hose is already 4mm.

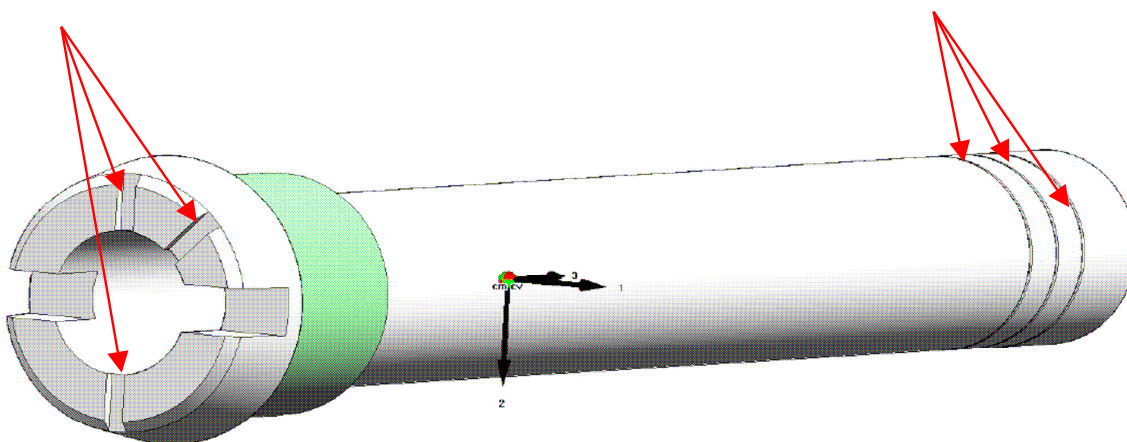


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Nozzle diameters are recognizable by means of nicks, using this chart:

Nozze diameter [mm]	Number of nicks
1,75	0
2,0	1
2,25	2
2,5	3
2,75	4
3,0	5

This is an example of a **2,5mm diameter nozzle**, recognizable by **three nicks** engraved both on the side to be screwed and also on the outside diameter (Picture 2).



For a correct configuration of this injector in our **SGI system**, it is mandatory to select **TARTARINI EVO** as shown in Picture 3.
This choice will be available and perfectly working, starting from **SGI Software version 5.1.0 C and Firmware 28.00** that were uploaded today on our website. **No previous version of software may run this injector properly.**



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Vehicle configuration - Config: GPL_TAR_4CIL

Configuration

TARTARINI
auto industries
GAS EQUIPMENT

Change-over | **Lambda** | Gas level | Sensors | Enrichments | Gas/petrol | Adaptive function | Injector

Fuel type: **LPG**

Injector type: **TARTARINI**

Displacement (cc): **MATRIX**

Type of revolution signal: **TARTARINI EVO**

No. of cylinders: **4 cylinders**

Ignition type: **One coil**

Type of change-over: **In acceleration**

Revs. threshold for change-over: **1600** rpm

Reducer temperature for change-over: **35** °C

Change-over from petrol-gas delay: **30** s

Inj.: **Sequential**

Reducer: **1 bar**

Warning! Do not disconnect gasoline pump and do not run the car with low fuel.

Warning !!! You can change yellow parameters only without sub-key.

PETROL	Revs	0rpm	Tinj.gas	0,00	Temp.gas	n.a.	Diff.press.	n.a.
	Lambda 1	0,00V	Tinj.petrol	0,00	Temp.reducer	n.a.	Man.press.	n.a.
	Lambda 2	N.C.	Adaptive funct	OFF			Absolute sensor	

(Picture 3)

We remain at your complete disposal for any further information or clarifications.

Best regards

TARTARINI AUTO SPA