2017




# WORLD CHAMPIONS ENGINES

Made in Italy

MICROMOTORI
NOVAROSSI

## NITRO ENGINES & ACCESSORIES FOR R/C MODELS

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# NOVAROSSI WORLD

## NITRO ENGINES & ACCESSORIES FOR R/C MODELS











This new edition of our catalogue comes at a time of advanced technology and is a testimony to our commitment for advances in the world market of radio control. Our industrial and technical processes are done through professional qualifying means, which for years leads the highest reputation for quality of products and so giving confidence in Novarossi World.
Fierce Competition in the world market, along with constantly changing economic environment, increases our determination and ambition to find answers to increasingly complex questions. A glance of the company headquarters provides a clear understanding about changes NOVAROSSI WORLD has faced.
With this understanding, we show the difference from what it was only 10 years ago, for structure, members and international relations.Going forward with experience and evolution, we prepare to meet the twenty-first century in a significant and realistic way, taking on a central concept of "Made in Italy" quality. (Elisa Rossi)

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*Questa nuova edizione del nostro catalogo nasce in un contesto di avanzata tecnologia che vuole testimoniare lo sforzo di proiettarsi nel mercato mondiale del modellismo dinamico. I progetti e le lavorazioni tecniche e industriali vengono risolte in modo serio e competente per contribuire a dare*
*concretezza al nome dell'azienda, che ormai da anni detiene l'incontestabile primato sulla qualità dei suoi prodotti.*
*La concorrenza sviluppata a livello mondiale e il continuo mutare del contesto economico sono per noi ulteriori stimoli per migliorare il nostro livello di ambizione e per avere "risposte".*
*Infatti, basta dare un'occhiata, oggi, alla sede dell'azienda per avere un'idea chiara circa i cambiamenti a cui la NOVAROSSI WORLD ha dovuto far fronte, per comprendere come sia diversa da ciò che era solo dieci anni fa, per struttura, membri e relazioni esterne.*
*Alla luce di tutto ciò, tra esperienza e evoluzione ci prepariamo ad affrontare il XXI secolo in maniera critica e realista, tenendo come concetto centrale la qualità del "made in Italy". (Elisa Rossi)*

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*Tutti i diritti riservati.*

NOVAROSSI

MICROMOTORI NOVAROSSI

Technology

# FACTORY

MADE IN ITALY

CAR

CAR/HELI/PLANE

CAR/MARINE


1/8th
ON ROAD
ENGINES .21 / 3,5cc
NOVAROSSI Technology


2015
IFMAR
WORLD
CHAMPION
São Paulo
BRAZIL
Mita 35
World Champion
Mita
9
ISON.21

# MITO 35 WORLD CHAMPION

## 1/8th LONG STROKE ON ROAD ENGINE



## SPEC TECH

| | |
|---|---|
| Displacement | 3,49 cc |
| Max Power R.P.M. | 42.000 |
| Bore x Stroke (mm.) | 16,26 x 16,80 |
| Sleeve n. Ports | 9 |
| Crankshaft | Ø 14,5 mm tuned |
| Rear Ball Bearings | Ceramic |
| Front Ball Bearings | Ceramic |
| Carburettor Type | Slide - 9mm |
| Carburettor Material | Aluminium |
| Carb. Adjustment | Double |
| Weight | 337 g |

Also available with front and rear steel ball bearings

CERAMIC BALL BEARING

2015 WORLD CHAMPION São Paulo BRAZIL

NOVAROSSI Technology

## 30006
1/8 On Road
Ins-Box Set

## C8TGFB
Conical Turbo
"B-line"
glow plug

## 41016
Polished manifold conical
medium, 2 rings 6 fins.

## 51010
EFRA 2015 tuned pipe
A more progessive
tuned pipe with
lowerfuel
consumption.

## World Champion CONFIGURATION

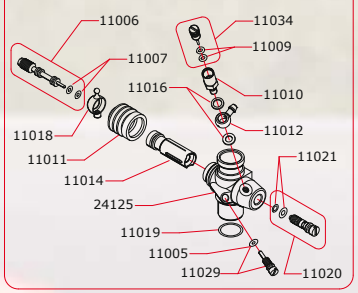



**Simon Kurzbuch**
2015 1/8 IFMAR World Champion

## Versions available
Mito 35 WCS - front and rear ceramic ball baerings
Mito 35 WCA - front and rear steel ball baerings
Mito 35 WCH - front steel and rear ceramic ball bearings

## EXPLODED VIEW

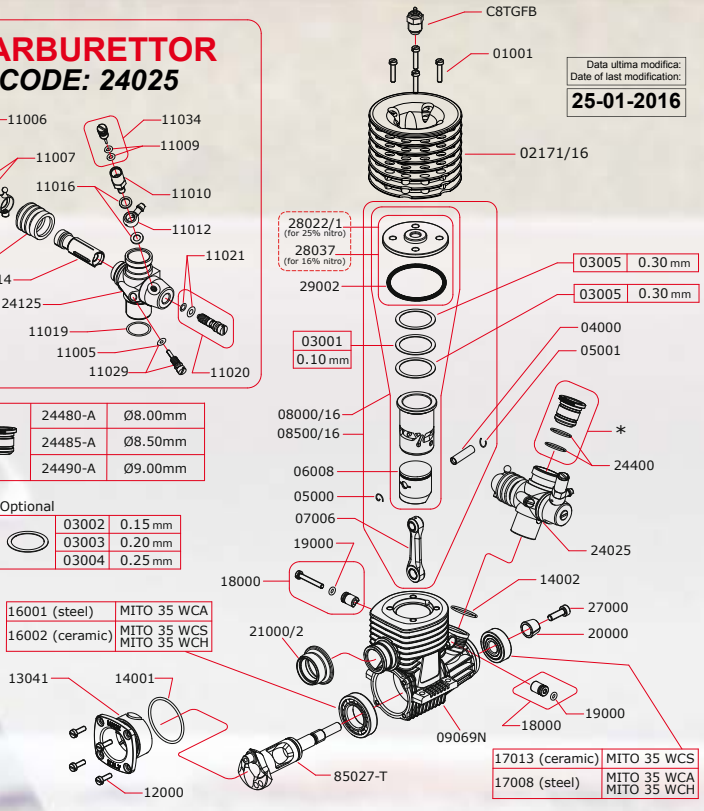
### CARBURETTOR
**CODE: 24025**




| | | |
|---|---|---|
| * | 24480-A | Ø8.00mm |
| | 24485-A | Ø8.50mm |
| | 24490-A | Ø9.00mm |

Optional

| | | |
|---|---|---|
| | 03002 | 0.15 mm |
| | 03003 | 0.20 mm |
| | 03004 | 0.25 mm |




| | |
|---|---|
| 16001 (steel) | MITO 35 WCA |
| 16002 (ceramic) | MITO 35 WCS<br>MITO 35 WCH |

| | |
|---|---|
| 17013 (ceramic) | MITO 35 WCS |
| 17008 (steel) | MITO 35 WCA<br>MITO 35 WCH |



# MITO 9 ON ROAD

## 1/8th EXTRA LONG STROKE ON ROAD ENGINE










Mito 9

## SPEC TECH

| | |
|---|---|
| Displacement | 3,49 cc |
| Max Power R.P.M. | 41.500 |
| Bore x Stroke (mm.) | 15,88 x 17,60 |
| Sleeve n. Ports | 9 |
| Crankshaft | Ø 14,5 mm tuned |
| Rear Ball Bearings | Steel |
| Front Ball Bearings | Steel |
| Carburettor Type | Slide - 9mm |
| Carburettor Material | Aluminium |
| Carb. Adjustment | Double |
| Weight | 336 g |

Also available with front and rear ceramic ball bearings

CERAMIC BALL BEARING

NOVAROSSI Technology



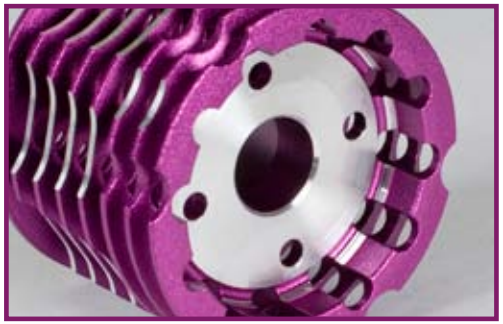
The shifted carburetor grants a better mixture flow inside through the crankase's intake. This gives the engine an improved fuel efficiency and a better power curve.



The new ball bearing reduces the inertia of the rotating masses and increases the engine's scavenging. These novelties give an increased throttle response and a higer top speed.



The new three tuning needles gives a better idle and improves the ability of the engine to return to low rpm after throttling.



NEW COOLING HEAD

## RECOMMENDED EXHAUST COMBO KIT



**51010** EFRA 2015 — Polished pipe with ring, 3 chambers, this tuned pipe is more progessive with lower fuel consumption.



**51011** EFRA 2052 — Polished pipe with ring, 3 chambers, more acceleration, higher top speed, high fuel consumption.



**41015** Conical short



**41016** Conical medium



**41017** Conical long

## C8TGHB

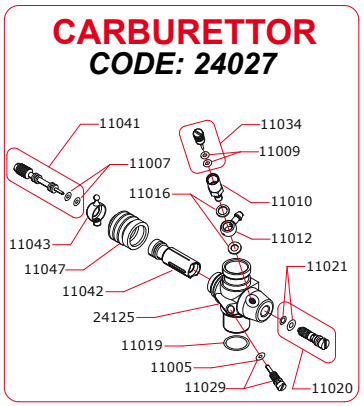


GLOW PLUGS RECOMMENDED

## EXPLODED VIEW



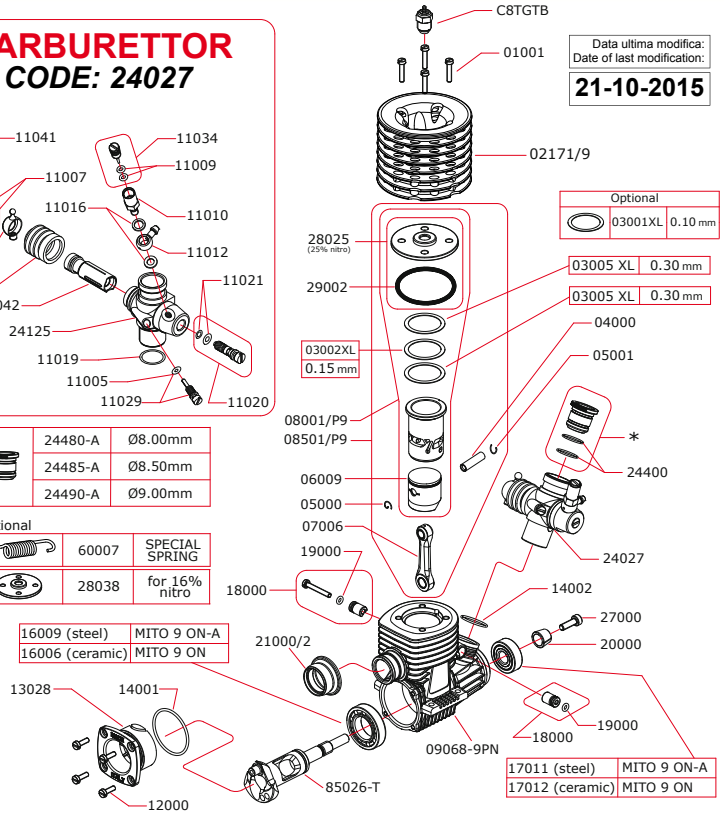

### CARBURETTOR CODE: 24027




| | | |
|---|---|---|
| * | 24480-A | Ø8.00mm |
| | 24485-A | Ø8.50mm |
| | 24490-A | Ø9.00mm |

Optional

| | | |
|---|---|---|
| | 60007 | SPECIAL SPRING |
| | 28038 | for 16% nitro |




| | |
|---|---|
| 16009 (steel) | MITO 9 ON-A |
| 16006 (ceramic) | MITO 9 ON |

| | |
|---|---|
| 17011 (steel) | MITO 9 ON-A |
| 17012 (ceramic) | MITO 9 ON |

# ISON.21 TUNED

## 1/8th ON ROAD

## Tuned ENGINE




ISON

## SPEC TECH

| | |
|---|---|
| Displacement | 3,49 cc |
| Max Power R.P.M. | 38.800 |
| Bore x Stroke (mm.) | 16,26 x 16,80 |
| Sleeve n. Ports | 7 |
| Crankshaft | Ø 14 mm |
| Rear Ball Bearings | Steel |
| Front Ball Bearings | Steel |
| Carburettor Type | Slide - 9mm |
| Carburettor Material | Aluminium |
| Carb. Adjustment | Double |
| Weight | 338 g |

CERAMIC BALL BEARING

Also available ON REQUEST with front and rear ceramic ball bearings

.21 TUNED

NOVAROSSI Technology




The R7 conrod is made from a superlight alluminium which has been checked ultrasonic. The specific form of the R7 creates little turbulence inside the engine while running.




The new tuned crankshaft gives the engine a better balancing. This will reduce the vibration produced by the rotating and the alternating masses.



The sleeve has 7 transfer ports and an exhaust with booster ports. The special shape and positioning of the ports, covered by a patent, improve the internal fluid-dynamics to obtain the maximum possible performance.

## RECOMMENDED EXHAUST COMBO KIT



**51010** EFRA 2015 — Polished pipe with ring, 3 chambers, this tuned pipe is more progessive with lower fuel consumption.



**51011** EFRA 2052 — Polished pipe with ring, 3 chambers, more acceleration, higher top speed, high fuel consumption.



**41015** conical short



**41016** conical medium



**41017** conical long

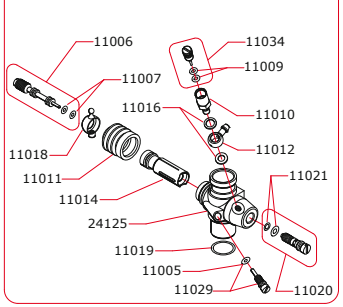


**C6TGF** RECOMMENDED GLOW PLUGS

## EXPLODED VIEW

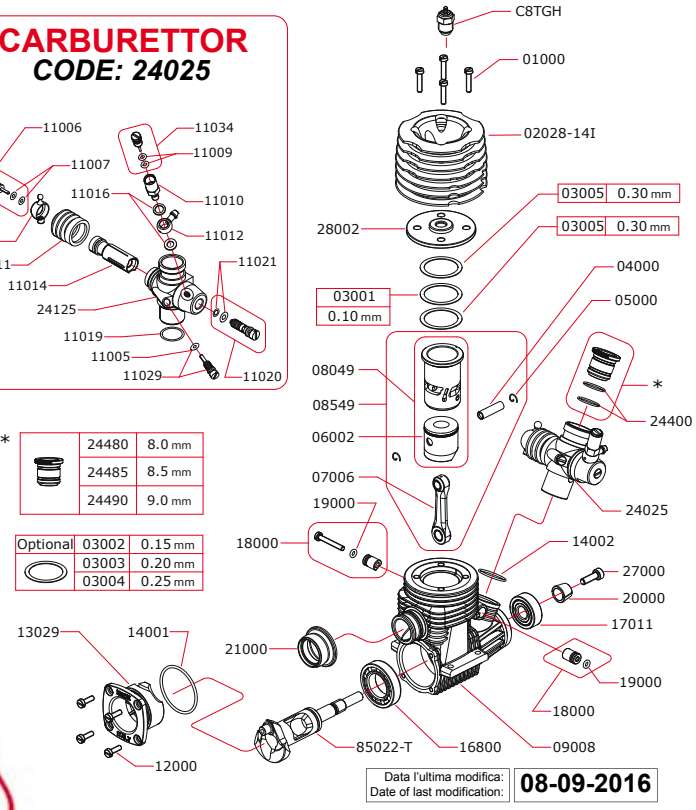



### CARBURETTOR
**CODE: 24025**

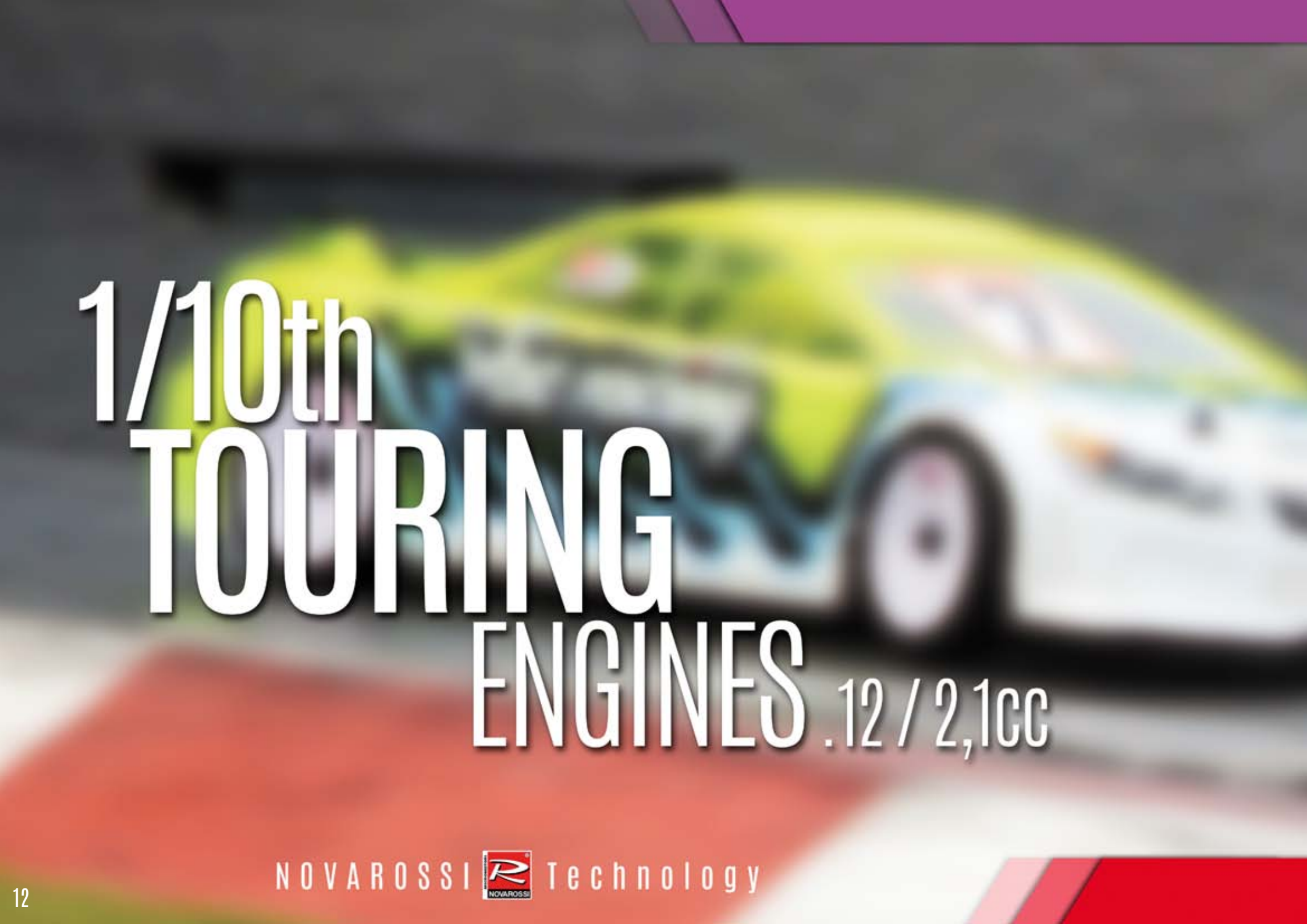



| | | |
|---|---|---|
| * | 24480 | 8.0 mm |
| | 24485 | 8.5 mm |
| | 24490 | 9.0 mm |

| | | |
|---|---|---|
| Optional | 03002 | 0.15 mm |
| | 03003 | 0.20 mm |
| | 03004 | 0.25 mm |




Data l'ultima modifica: / Date of last modification: **08-09-2016**


1/10th
TOURING
ENGINES .12 / 2,1cc
NOVAROSSI Technology


2016
WORLD
CHAMPION
Gubbio
ITALY
Mita .12
World Champion
Mita .12
FLASH.12PT
ISON.12

# MITO.12 WORLD CHAMPION

## 1/10th LONG STROKE TOURING ENGINE







## SPEC TECH

| | |
|---|---|
| Displacement | 2,10 cc |
| Max Power R.P.M. | 43.600 |
| Bore x Stroke (mm.) | 13,70 x 14,25 |
| Sleeve n. Ports | 3 |
| Crankshaft | Ø 11,9 mm / Tuned |
| Rear Ball Bearings | Ceramic |
| Front Ball Bearings | Ceramic |
| Carburettor Type | Slide - 6,5 mm |
| Carburettor Material | Aluminium |
| Carb. Adjustment | Single |
| Weight | 230 g |

2016 WORLD CHAMPION Gubbio ITALY

.12

NOVAROSSI Technology



This Piston/Sleeve set is optimized for use in EFRA/IFMAR competition events and is made from hard chromed brass and features 3 transfer ports.



The special ball bearing reduces the inertia of the rotating masses and increases the engine's scavenging. You can see both the ball bearing and the manufacturing process result in the picture. These novelties give an increased throttle response and a higer top speed.



This is a special Tuned Crankshaft. Made to meet even the highest standards of our most demanding drivers. Slightly reduced rotational mass and greatly improved fuel flow provide great performance.

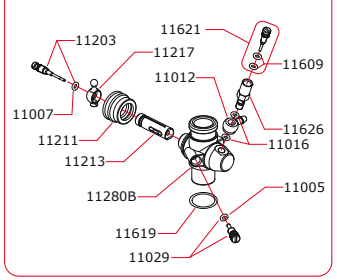


This is a special Tuned Crankshaft. Made to meet even the highest standards of our most demanding drivers. Slightly reduced rotational mass and greatly improved fuel flow provide great performance.

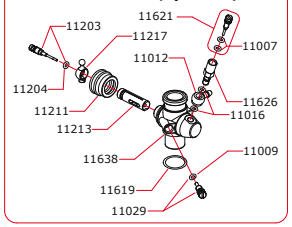


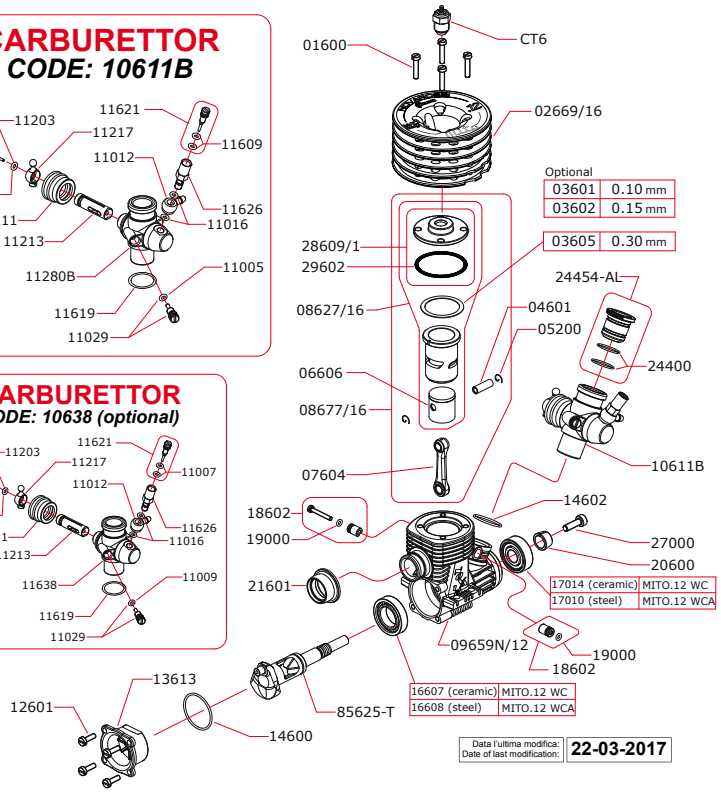

# EXPLODED VIEW

## CARBURETTOR
**CODE: 10611B**




## CARBURETTOR
**CODE: 10638 (optional)**



# MITO.12

## 1/10th LONG STROKE TOURING ENGINE







## SPEC TECH

| | |
|---|---|
| Displacement | 2,10 cc |
| Max Power R.P.M. | 43.600 |
| Bore x Stroke (mm.) | 13,70 x 14,25 |
| Sleeve n. Ports | 3 |
| Crankshaft | Ø 11,9 mm |
| Rear Ball Bearings | Steel |
| Front Ball Bearings | Steel |
| Carburettor Type | Slide - 6,5 mm |
| Carburettor Material | Aluminium |
| Carb. Adjustment | Single |
| Weight | 240 g |

R · CERAMIC · R BALL BEARING

Also available with front and rear ceramic ball bearings

.12

NOVAROSSI R Technology



The new ball bearing reduces the inertia of the rotating masses and increases the engine's scavenging. These novelties give an increased throttle response and a higer top speed.



The shifted carburetor grants a better mixture flow inside through the crankase's intake. This gives the engine an improved fuel efficiency and a better power curve.



NEW COOLING HEAD

## RECOMMENDED EXHAUST COMBO KIT



**51614** EFRA 2652 Polished pipe with ring, 2 chambers, conical tube, 'New generation' tuned pipe for more top speed.



**51615** EFRA 2660 Polished pipe with ring, 2 chambers, conical tube, 'New Generation' tuned pipe with improved acceleration.



**41615** conical short



**41616** conical medium



**41617** conical long

## C6TGF

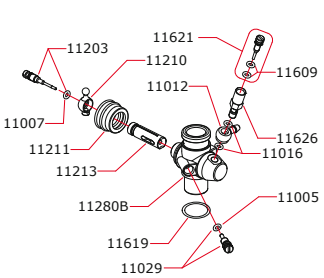


GLOW PLUGS RECOMMENDED

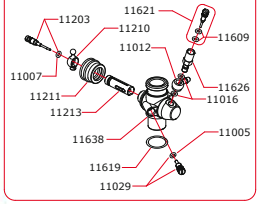
## EXPLODED VIEW

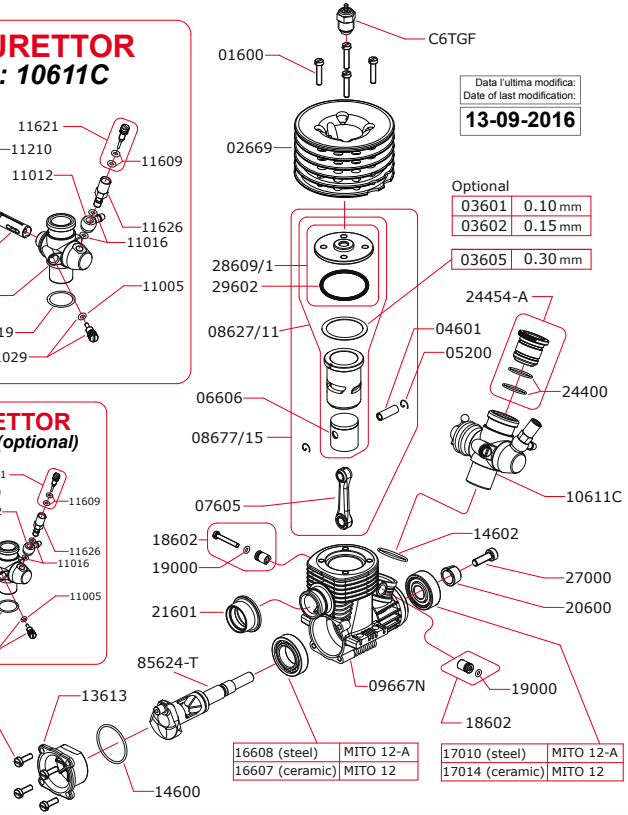


### CARBURETTOR CODE: 10611C




### CARBURETTOR CODE: 10615 (optional)



# FLASH.12 PT

## 1/10th Touring Engine







FLASH

## SPEC TECH

| | |
|---|---|
| Displacement | 2,10 cc |
| Max Power R.P.M. | 42.500 |
| Bore x Stroke (mm.) | 13,70 x 14,25 |
| Sleeve n. Ports | 3 |
| Crankshaft | Ø 11,9 mm |
| Rear Ball Bearings | Steel |
| Front Ball Bearings | Steel |
| Carburettor Type | Slide - 6,5 mm |
| Carburettor Material | Aluminium |
| Carb. Adjustment | Single |
| Weight | 227 g |

CERAMIC BALL BEARING

Also available with front and rear ceramic ball bearings

.12

NOVAROSSI Technology



This Piston/Sleeve set is optimized for use in EFRA/IFMAR competition events and is made from hard chromed brass and features 3 transfer ports.



This is a special Tuned Crankshaft. Made to meet even the highest standards of our most demanding drivers. Slightly reduced rotational mass and greatly improved fuel flow provide great performance.



This a 'Lighter&Lower evolution 2' type of cooling head. It is drilled and milled out to reduce the mass of the cooling head which sits high up in the car and thereby lowering the Center of Gravity of the engine/car.



We have made this backplate with a special steel insert, this reduces friction and wear when the conrod touches it. The round backplate's shape reduces the dead space inside the engine.

## RECOMMENDED EXHAUST COMBO KIT



**51614** EFRA 2652 Polished pipe with ring, 2 chambers, conical tube, 'New generation' tuned pipe for more top speed.



**51615** EFRA 2660 Polished pipe with ring, 2 chambers, conical tube, 'New Generation' tuned pipe with improved acceleration.



**41615** conical short



**41616** conical medium

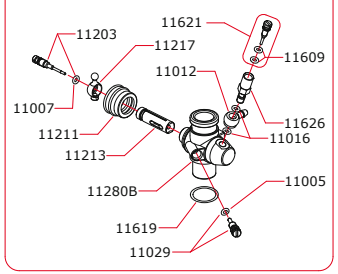


**41617** conical long

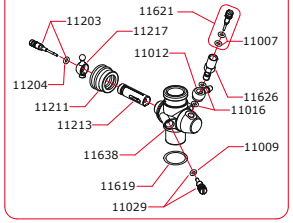
## EXPLODED VIEW

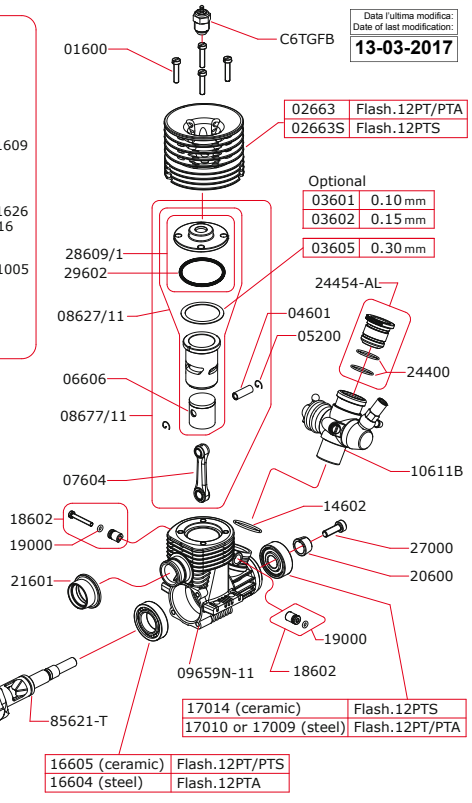



### CARBURETTOR
***CODE: 10611B***




### CARBURETTOR
***CODE: 10638 (optional)***




## C6TGF



## RECOMMENDED GLOW PLUGS

# ISON.12

## 1/10th Touring ENGINE




## SPEC TECH

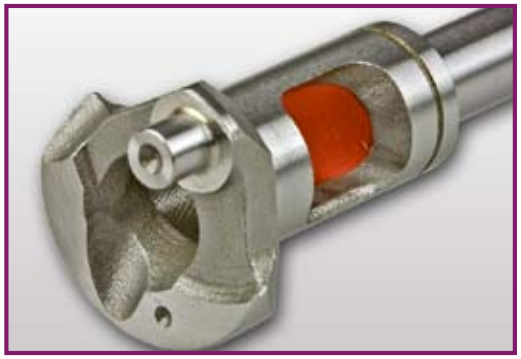
| | |
|---|---|
| Displacement | 2,10 cc |
| Max Power R.P.M. | 41.100 |
| Bore x Stroke (mm.) | 13,70 x 14,25 |
| Sleeve n. Ports | 3 |
| Crankshaft | ø 11,5 mm |
| Rear Ball Bearings | Steel |
| Front Ball Bearings | Steel |
| Carburettor Type | Slide - 6,5 mm |
| Carburettor Material | Aluminium |
| Carb. Adjustment | Single |
| Weight | 220 g |

Also available ON REQUES with front and rear ceramic ball bearings

CERAMIC BALL BEARING

.12

NOVAROSSI Technology



The new crankshaft gives the engine a better balancing. This will reduce the vibration produced by the rotating and the alternating masses.



The sleeve is derived from years of experience in the field and is made with a special chrome plated brass which allows it to have a higher hardness to ensure a longer life. In this case realized with 3 ports.



The glowplug of engine is a Turbo type glowplug. Turbo glowplugs have a different shape than Standard glowplugs and therefor are not interchange able with engines that are using Standard glowplugs.

## RECOMMENDED EXHAUST COMBO KIT



**51614** EFRA 2652 — Polished pipe with ring, 2 chambers, conical tube, 'New generation' tuned pipe for more top speed.



**51615** EFRA 2660 — Polished pipe with ring, 2 chambers, conical tube, 'New Generation' tuned pipe with improved acceleration.



**41618** cylindrical short



**41619** cylindrical medium



**41620** cylindrical long

## C6TGF

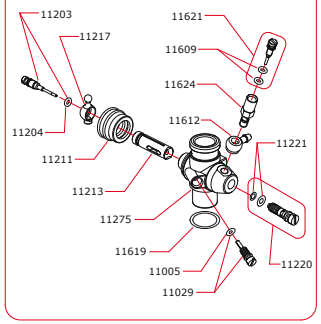


## RECOMMENDED GLOW PLUGS

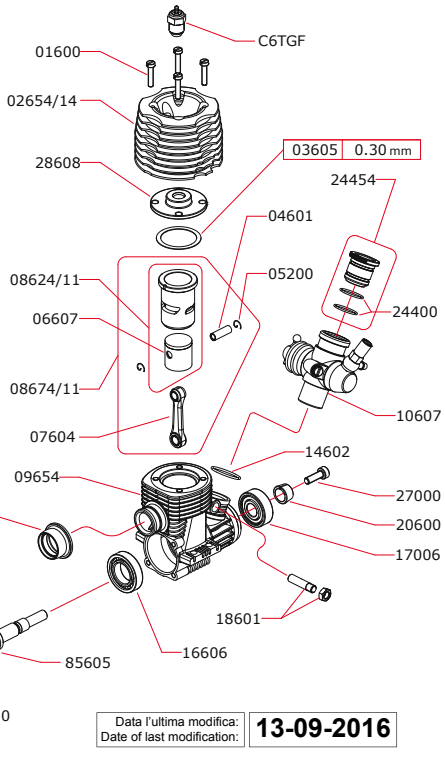
## EXPLODED VIEW




### CARBURETTOR CODE: 10607




| Optional | |
|---|---|
| 03601 | 0.10 mm |
| 03602 | 0.15 mm |




Data l'ultima modifica: / Date of last modification: **13-09-2016**


1/8th
OFF ROAD
ENGINES .21 / 3,5cc
NOVAROSSI
MADE ITALY .21
4 Mita
NOVAROSSI Technology




7 Mito




PLUS.21-4
BTT/WC




P5 XLT 16




S21P5XLT

# MITO 4 OFF ROAD

## 1/8th EXTRA LONG STROKE OFF ROAD ENGINE










## SPEC TECH

| | |
|---|---|
| Displacement | 3,49 cc |
| Max Power R.P.M. | 36.200 |
| Bore x Stroke (mm.) | 15,88 x 17,60 |
| Sleeve n. Ports | 4 |
| Crankshaft | Ø 14,5 mm |
| Rear Ball Bearings | Steel |
| Front Ball Bearings | Steel |
| Carburettor Type | Slide - 9mm |
| Carburettor Material | Plastic |
| Carb. Adjustment | Double - Reverse |
| Weight | 370 g |

CERAMIC BALL BEARING

Also available with front and rear ceramic ball bearings

NOVAROSSI Technology



The shifted carburetor grants a better mixture flow inside through the crankase's intake. This gives the engine an improved fuel efficiency and a better power curve.



The new ball bearing reduces the inertia of the rotating masses and increases the engine's scavenging. These novelties give an increased throttle response and a higer top speed.



The new three tuning needles gives a better idle and improves the ability of the engine to return to low rpm after throttling.



NEW COOLING HEAD

## RECOMMENDED EXHAUST COMBO KIT



**51006M** EFRA 9901 — Polished pipe with ring, 3 chambers, reinforced tube.



**51020** EFRA 2096 — Polished pipe with ring, 3 chamber, super strong, more manageable engine power.



**41020** Long



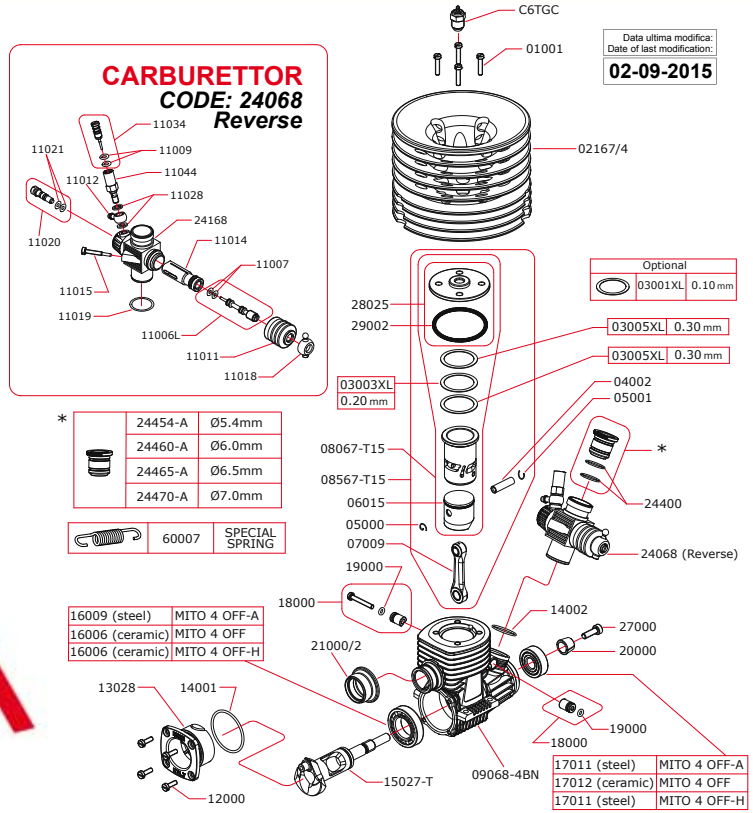
**41021** Short



**C6TGC** GLOW PLUGS RECOMMENDED




## EXPLODED VIEW



# MITO 7 OFF ROAD

## 1/8th EXTRA LONG STROKE OFF ROAD ENGINE




## SPEC TECH

| | |
|---|---|
| Displacement | 3,49 cc |
| Max Power R.P.M. | 37.500 |
| Bore x Stroke (mm.) | 15,88 x 17,60 |
| Sleeve n. Ports | 7 |
| Crankshaft | Ø 14,5 mm |
| Rear Ball Bearings | Steel |
| Front Ball Bearings | Steel |
| Carburettor Type | Slide - 9mm |
| Carburettor Material | Plastic |
| Carb. Adjustment | Double - Reverse |
| Weight | 370 g |

Also available with front and rear ceramic ball bearings

CERAMIC BALL BEARING

NOVAROSSI Technology



The shifted carburetor grants a better mixture flow inside through the crankase's intake. This gives the engine an improved fuel efficiency and a better power curve.



The new ball bearing reduces the inertia of the rotating masses and increases the engine's scavenging. These novelties give an increased throttle response and a higer top speed.



The new three tuning needles gives a better idle and improves the ability of the engine to return to low rpm after throttling.



NEW COOLING HEAD

## RECOMMENDED EXHAUST COMBO KIT



**51006M** EFRA 9901 — Polished pipe with ring, 3 chambers, reinforced tube.



**51020** EFRA 2096 — Polished pipe with ring, 3 chamber, super strong, more manageable engine power.



**41020** Long



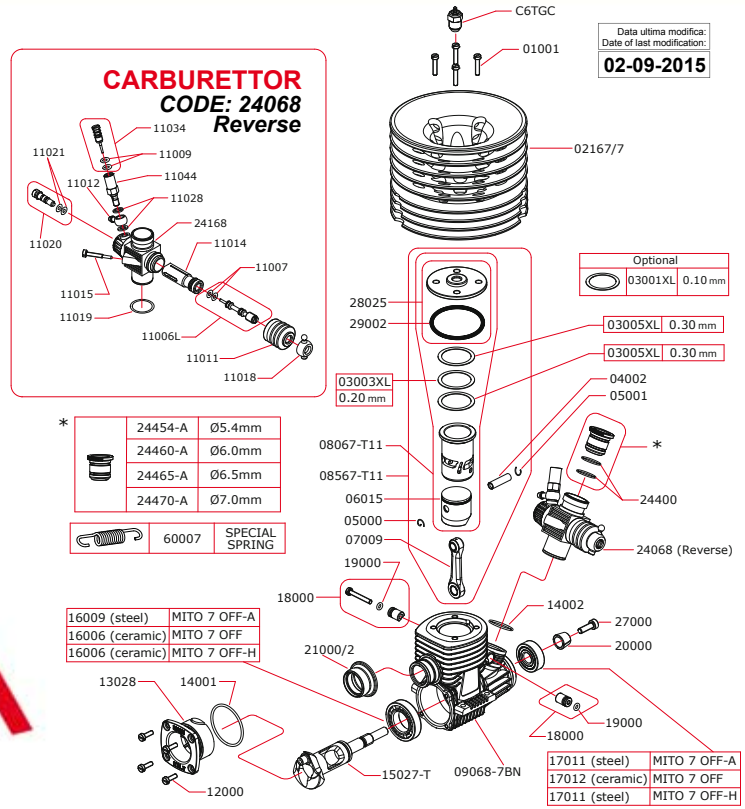
**41021** Short

## EXPLODED VIEW






**C6TGC** GLOW PLUGS RECOMMENDED



# PLUS.21-4 WC/A

1/8th OFF ROAD BUGGY ENGINE









IFMAR WORLD CHAMPION ENGINE 2012

EUROPEAN CHAMPION ENGINE 2012

## SPEC TECH

| | |
|---|---|
| Displacement | 3,49 cc |
| Max Power R.P.M. | 35.500 |
| Bore x Stroke (mm.) | 16,26 x 16,80 |
| Sleeve n. Ports | 4 |
| Crankshaft | Ø 14 mm |
| Rear Ball Bearings | Steel |
| Front Ball Bearings | Steel |
| Carburettor Type | Slide - 9mm |
| Carburettor Material | Plastic |
| Carb. Adjustment | Single - Reverse |
| Weight | 360 g |

R · CERAMIC · R BALL BEARING

Also available with front and rear ceramic ball bearings

IFMAR WORLD CHAMPION 2012 ARGENTINA

NOVAROSSI Technology




The R7 conrod is made from a superlight alluminium which has been checked ultrasonic. The specific form of the R7 creates little turbulence inside the engine while running.



The sleeve has 4 transfer ports and an exhaust with booster ports. The special shape and positioning of the ports, covered by a patent, improve the internal fluid-dynamics to obtain the maximum possible performance.



The tuned crankshaft is grinded to increase the mixture flow and has a special shape to reduce turbulences inside the crankcase.



This a 'Lighter&Lower evolution 2' type of cooling head. It is drilled and milled out to reduce the mass of the coolinghead which sits high up in the car and thereby lowering the Center of Gravity of the engine/car.



The rear cover presents a round shape to optimize the filling and reducing the dead spaces. the steel plate is to reduce friction and to expand the lifespan of the conrod.

## RECOMMENDED EXHAUST COMBO KIT



**51006M** EFRA 9901 — Polished pipe with ring, 3 chambers, reinforced tube.



**51020** EFRA 2096 — Polished pipe with ring, 3 chamber, super strong, more manageable engine power.



**41020** long



**41021** short



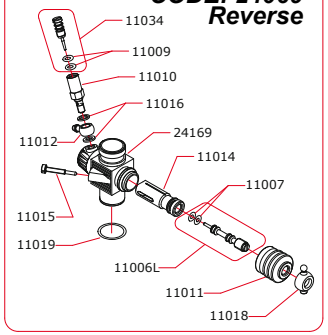
**C6TGC** RECOMMENDED GLOW PLUGS

## EXPLODED VIEW




Data ultima modifica: / Date of last modification: **03-09-2015**

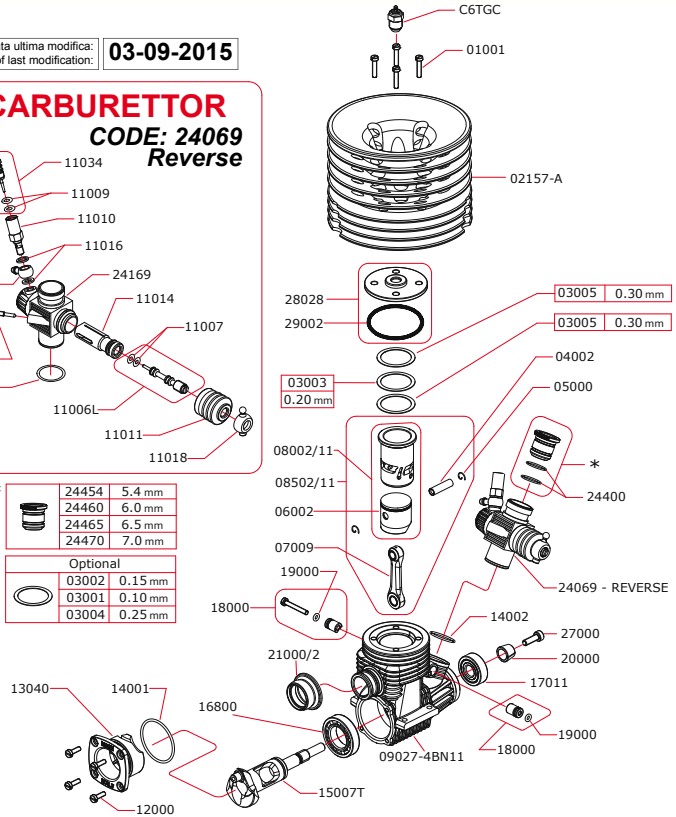
### CARBURETTOR
**CODE: 24069**
***Reverse***




*

| | | |
|---|---|---|
| | 24454 | 5.4 mm |
| | 24460 | 6.0 mm |
| | 24465 | 6.5 mm |
| | 24470 | 7.0 mm |

| Optional | | |
|---|---|---|
| | 03002 | 0.15 mm |
| | 03001 | 0.10 mm |
| | 03004 | 0.25 mm |



# P5XLT16

## 1/8th OFF ROAD BUGGY ENGINE










P5XLT

## SPEC TECH

| | |
|---|---|
| Displacement | 3,49 cc |
| Max Power R.P.M. | 34.500 |
| Bore x Stroke (mm.) | 16,26 x 16,80 |
| Sleeve n. Ports | 5 |
| Crankshaft | Ø 14 mm |
| Rear Ball Bearings | Steel |
| Front Ball Bearings | Steel |
| Carburettor Type | Slide - 9mm |
| Carburettor Material | Plastic |
| Carb. Adjustment | Double - Reverse |
| Weight | 373 g |

P5 XLT 16

NOVAROSSI Technology




The R7 conrod is made from a superlight alluminium which has been checked ultrasonic. The specific form of the R7 creates little turbulence inside the engine while running.



The sleeve has 5 transfer ports. The special shape and positioning of the ports, covered by a patent, improve the internal fluid-dynamics to obtain the maximum possible performance.



The crankshaft is grinded to increase the mixture flow and has a special shape to reduce turbulences inside the crankcase.



The rear cover presents a round shape to optimize the filling and reducing the dead spaces. the steel plate is to reduce friction and to expand the lifespan of the conrod.

## RECOMMENDED EXHAUST COMBO KIT



**51006M** EFRA 9901 — Polished pipe with ring, 3 chambers, reinforced tube.



**51020M** EFRA 2096 — Polished pipe with ring, 3 chamber, reinforced tube. Robert Batlle used at IFMAR World Championship 2012.



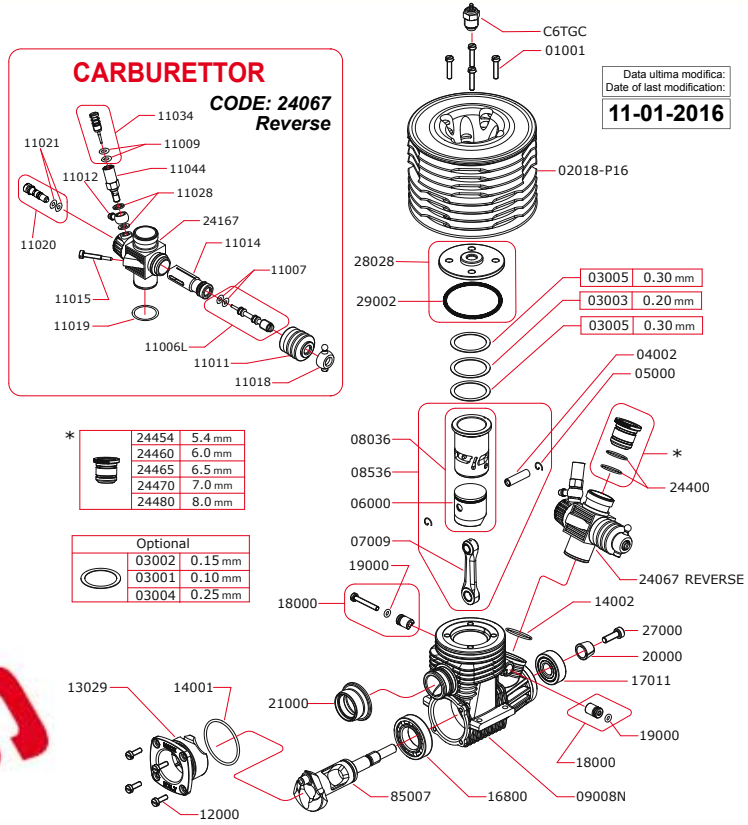
**41020** long



**41021** short

## EXPLODED VIEW P5XLT16




## C6TGC RECOMMENDED GLOW PLUGS



NOVAROSSI Technology

# S21 P5 XLT

## 1/8th OFF ROAD BUGGY ENGINE










P5XLT

## SPEC TECH

| | |
|---|---|
| Displacement | 3,49 cc |
| Max Power R.P.M. | 34.500 |
| Bore x Stroke (mm.) | 16,26 x 16,80 |
| Sleeve n. Ports | 5 |
| Crankshaft | Ø 14 mm |
| Rear Ball Bearings | Steel |
| Front Ball Bearings | Steel |
| Carburettor Type | Slide - 9mm |
| Carburettor Material | Plastic |
| Carb. Adjustment | Double - Reverse |
| Weight | 373 g |

P5 XLT

NOVAROSSI Technology




The R7 conrod is made from a superlight alluminium which has been checked ultrasonic. The specific form of the R7 creates little turbulence inside the engine while running.



The sleeve has 5 transfer ports. The special shape and positioning of the ports, covered by a patent, improve the internal fluid-dynamics to obtain the maximum possible performance.



The crankshaft is grinded to increase the mixture flow and has a special shape to reduce turbulences inside the crankcase.

## RECOMMENDED EXHAUST COMBO KIT



**51006M** EFRA 9901 — Polished pipe with ring, 3 chambers, reinforced tube.



**51020M** EFRA 2096 — Polished pipe with ring, 3 chamber, reinforced tube. Robert Batlle used at IFMAR World Championship 2012.



**41020** long

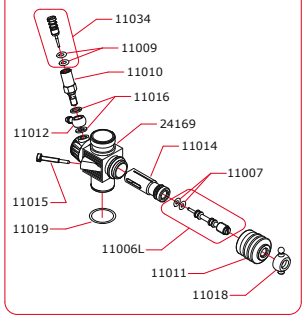


**41021** short

## EXPLODED VIEW




### CARBURETTOR
**CODE: 24069**

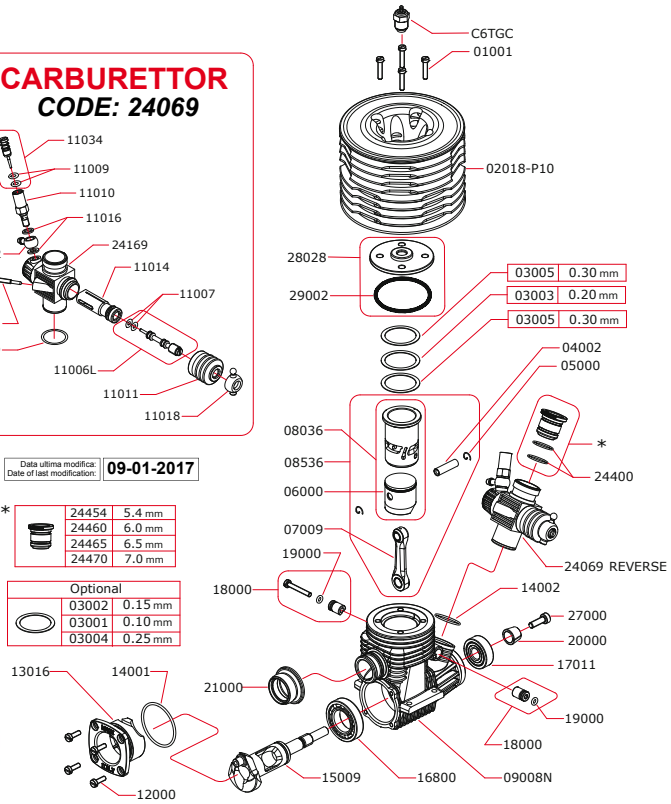



Data ultima modifica: Date of last modification: **09-01-2017**

*

| | |
|---|---|
| 24454 | 5.4 mm |
| 24460 | 6.0 mm |
| 24465 | 6.5 mm |
| 24470 | 7.0 mm |

| Optional | |
|---|---|
| 03002 | 0.15 mm |
| 03001 | 0.10 mm |
| 03004 | 0.25 mm |

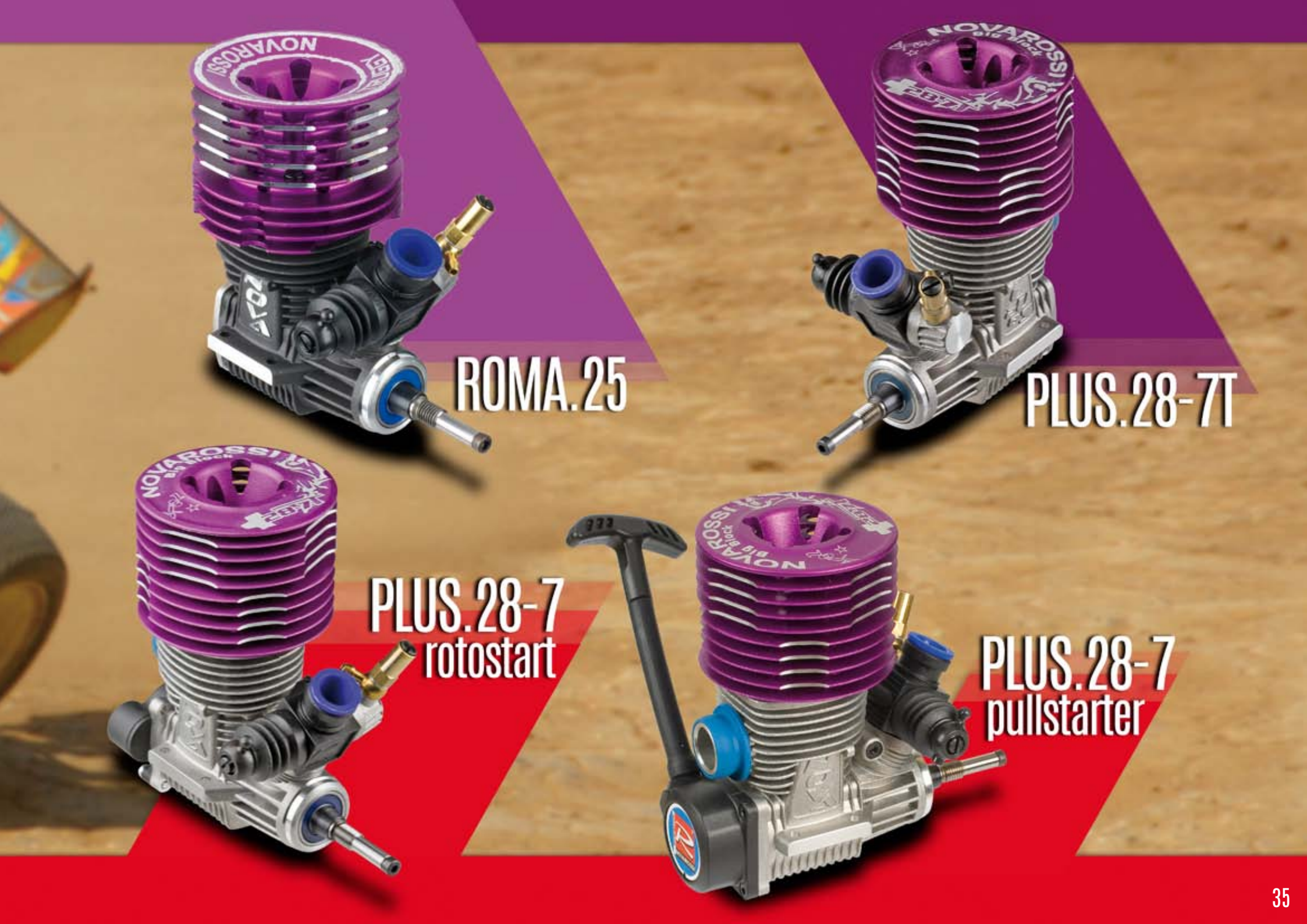



## C6TGC



RECOMMENDED GLOW PLUGS


1/8th
TRUGGY
ENGINES
.25 / 4,04cc
.28 / 4,66cc
NOVAROSSI Technology


ROMA.25
PLUS.28-7T
PLUS.28-7
rotostart
PLUS.28-7
pullstarter

# ROMA.25

## 1/8th OFF ROAD TRUGGY ENGINE









ROMA.25

## SPEC TECH

| | |
|---|---|
| Displacement | 4,04 cc |
| Max Power R.P.M. | 37.500 |
| Bore x Stroke (mm.) | 17,10 x 17,60 |
| Sleeve n. Ports | 7 |
| Crankshaft | ø 14 mm |
| Rear Ball Bearings | Steel |
| Front Ball Bearings | Steel |
| Carburettor Type | Slide - 9mm |
| Carburettor Material | Plastic |
| Carb. Adjustment | Single - Reverse |
| Weight | 374 g |

Also available ON REQUEST with front and rear ceramic ball bearings

CERAMIC BALL BEARING

.25 TRUGGY

NOVAROSSI Technology



The sleeve has 7 transfer ports and an exhaust with booster ports. The special shape and positioning of the ports, covered by a patent, improve the internal fluid-dynamics to obtain the maximum possible performance.



The crankshaft is grinded to increase the mixture flow and has a special shape to reduce turbulences inside the crankcase.



This a 'Lighter&Lower evolution 2' type of cooling head. It is drilled and milled out to reduce the mass of the coolinghead which sits high up in the car and thereby lowering the Center of Gravity of the engine/car.



The rear cover presents a round shape to optimize the filling and reducing the dead spaces. the steel plate is to reduce friction and to expand the lifespan of the conrod.



The inner shape of the gasket has a new shape, and with that more material. Together with a change in material these gaskets are more resistant to high temperatures.

## RECOMMENDED EXHAUST COMBO KIT



**51006M** EFRA 9901 — Polished pipe with ring, 3 chambers, reinforced tube.



**51020** EFRA 2096 — Polished pipe with ring, 3 chamber, super strong, more manageable engine power.



**41020** long



**41021** short

## C6TGC



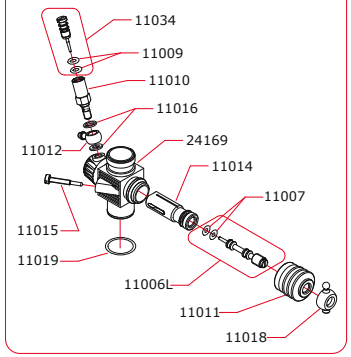
RECOMMENDED GLOW PLUGS

## EXPLODED VIEW




Data ultima modifica: / Date of last modification: **20-01-2015**

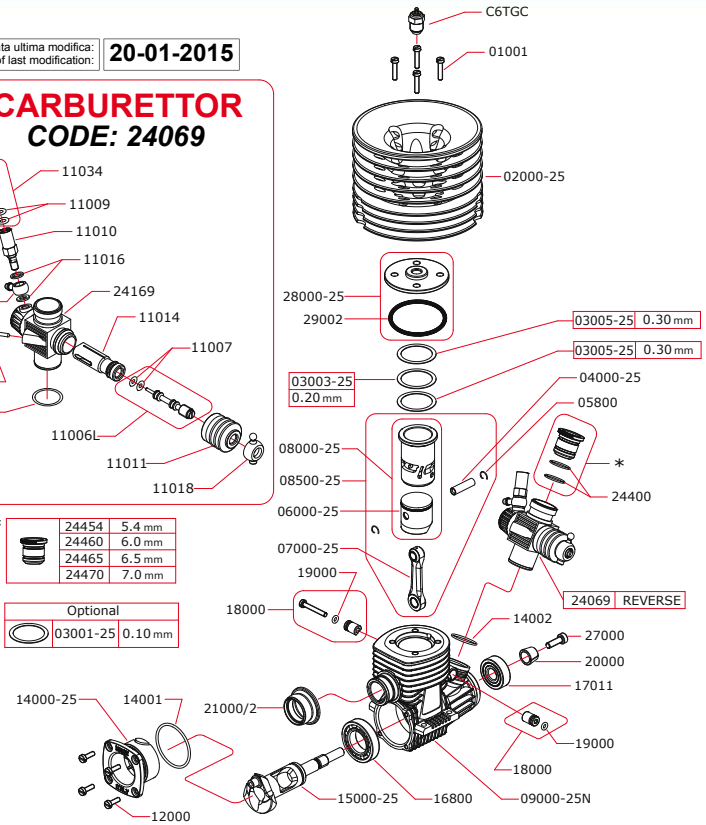
### CARBURETTOR
### *CODE: 24069*




*

| | | |
|---|---|---|
| | 24454 | 5.4 mm |
| | 24460 | 6.0 mm |
| | 24465 | 6.5 mm |
| | 24470 | 7.0 mm |

| Optional | | |
|---|---|---|
| | 03001-25 | 0.10 mm |



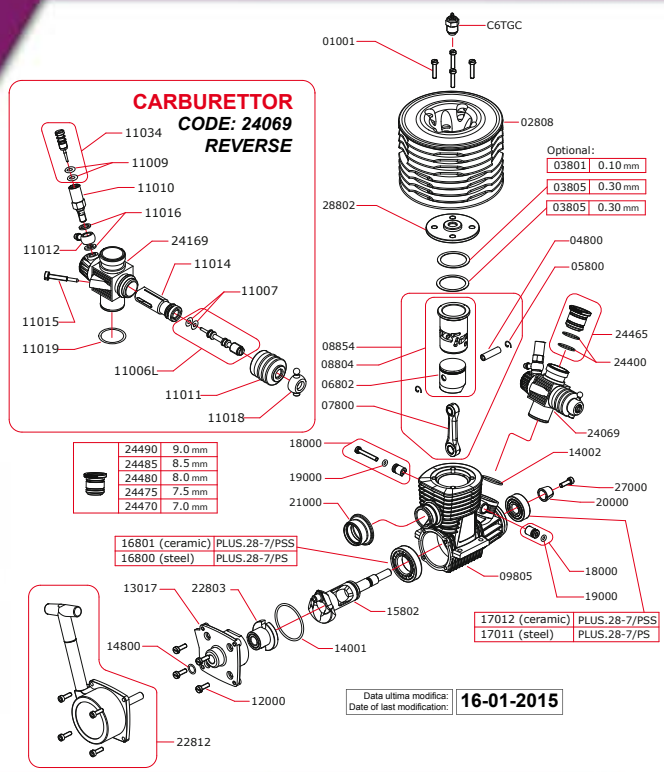
# PLUS.28-7PS

PULLSTARTER

1/8th TRUGGY ENGINE




## EXPLODED VIEW




CERAMIC BALL BEARING

## SPEC TECH

| | |
|---|---|
| Displacement | 4,66 cc |
| Max Power R.P.M. | 33.500 |
| Bore x Stroke (mm.) | 18,35 x 17,60 |
| Sleeve n. Ports | 7 |
| Crankshaft | Ø 14 mm |
| Rear Ball Bearings | Steel |
| Front Ball Bearings | Steel |
| Carburettor Type | Slide - 9mm |
| Carburettor Material | Plastic |
| Carb. Adjustment | Single - Reverse |
| Weight | 367 g |

Also available with front and rear ceramic ball bearings

TRUGGY 28

NOVAROSSI Technology

# 1/8th STANDARD VERSION TRUGGY

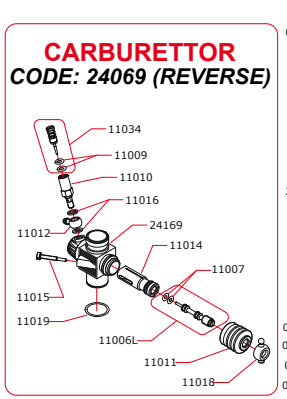
## PLUS.28-7T

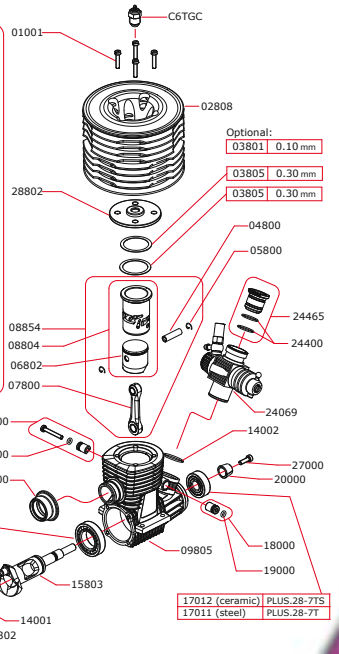


| | |
|---|---|
| Displacement | 4,66 cc |
| Max Power R.P.M. | 33.500 |
| Bore x Stroke (mm.) | 18,35 x 17,60 |
| Sleeve n. Ports | 7 |
| Crankshaft | Ø 14 mm |
| Rear Ball Bearings | steel |
| Front Ball Bearings | steel |
| Carburettor Type | Slide - 9 mm |
| Carburettor Material | Plastic |
| Carb. Adjustment | Single - Reverse |
| Weight | 385 g |

SPEC TECH

### CARBURETTOR
**CODE: 24069 (REVERSE)**




Data ultima modifica: Date of last modification: **16-01-2015**

EXPLODED VIEW

## EXHAUST COMBO KIT



**51016** EFRA 9901 — Polished pipe with ring, 3 chambers, super strong, and engine more driveable.



**41021** Short — **41020** Long

RECOMMENDED




Also available with front and rear ceramic ball bearings

SPEC TECH

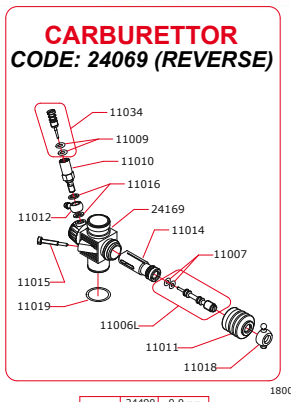
| | |
|---|---|
| Displacement | 4,66 cc |
| Max Power R.P.M. | 33.500 |
| Bore x Stroke (mm.) | 18,35 x 17,60 |
| Sleeve n. Ports | 8 |
| Crankshaft | Ø 14 mm |
| Rear Ball Bearings | steel |
| Front Ball Bearings | steel |
| Carburettor Type | Slide - 9 mm |
| Carburettor Material | Plastic |
| Carb. Adjustment | Single - Reverse |
| Weight | 405 g |

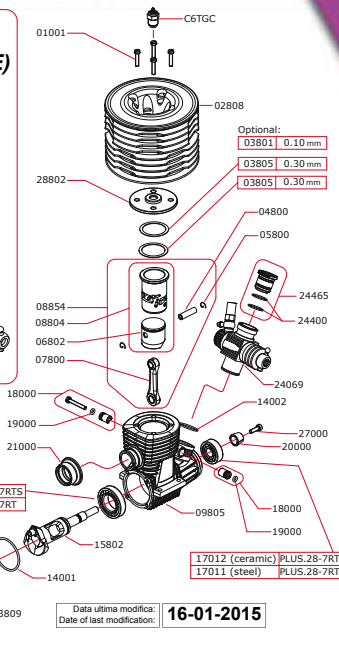
# 1/8th ROTOSTART TRUGGY

## PLUS.28-7RT



### CARBURETTOR
**CODE: 24069 (REVERSE)**




Data ultima modifica: Date of last modification: **16-01-2015**




# 1/10th OFF-ROAD ENGINES .15 / 2,5cc

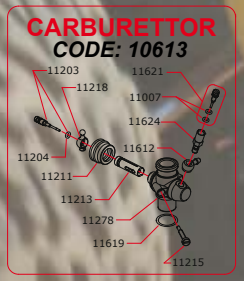
# N2.5SC/RT-R



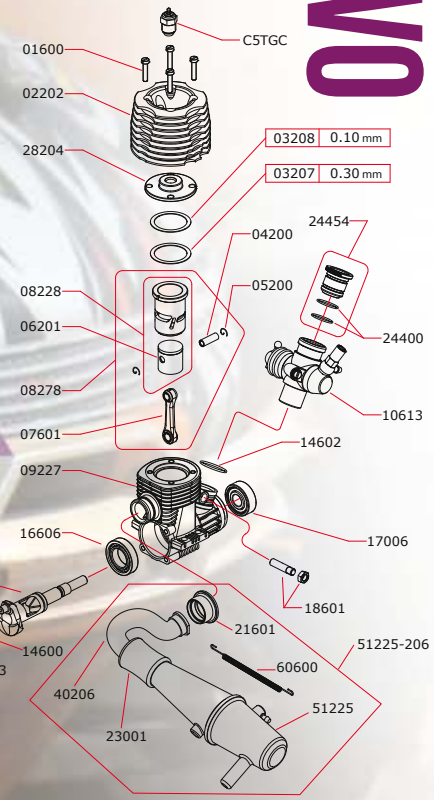
## SPEC TECH

| | |
|---|---|
| Displacement | 2,50 cc |
| Max Power R.P.M. | 37.500 |
| Bore x Stroke (mm.) | 14,90 x 14,25 |
| Sleeve n. Ports | 3 |
| Crankshaft | Ø 11,5 mm |
| Rear Ball Bearings | steel |
| Front Ball Bearings | steel |
| Carburettor Type | Slide - 5,4 mm |
| Carburettor Material | Plastic |
| Carb. Adjustment | Single |
| Weight | / |

## CARBURETTOR
**CODE: 10613**




# for REVO



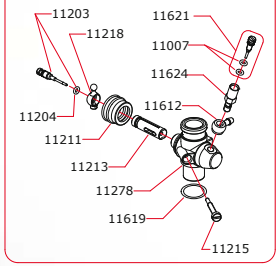

# for T-MAXX

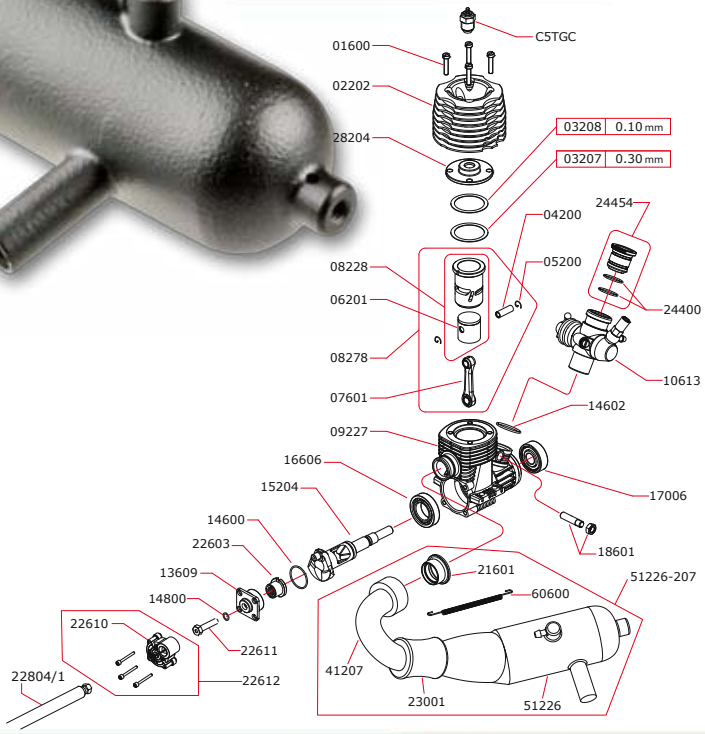


## SPEC TECH

| | |
|---|---|
| Displacement | 2,50 cc |
| Max Power R.P.M. | 37.500 |
| Bore x Stroke (mm.) | 14,90 x 14,25 |
| Sleeve n. Ports | 3 |
| Crankshaft | Ø 11,5 mm |
| Rear Ball Bearings | steel |
| Front Ball Bearings | steel |
| Carburettor Type | Slide - 5,4 mm |
| Carburettor Material | Plastic |
| Carb. Adjustment | Single |
| Weight | / |

## CARBURETTOR
**CODE: 10613**




# N2.5SC/RT-TM


1/8th
RALLY/GT
ENGINES .21 / 3,5cc
rally
9
Mito 35
NOVAROSSI Technology


9
rally
Mito
7
rally
Mito
Mito 35
GT
5
ISON.21
GT tuned

# MITO 35 GT5

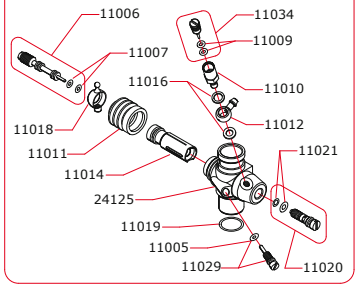
## SPEC TECH

| | |
|---|---|
| Displacement | 3,49 cc |
| Max Power R.P.M. | 37.800 |
| Bore x Stroke (mm.) | 16,26 x 16,80 |
| Sleeve n. Ports | 5 |
| Crankshaft | Ø 14,5 mm / Tuned |
| Rear Ball Bearings | Steel |
| Front Ball Bearings | Steel |
| Carburettor Type | Slide - 9mm |
| Carburettor Material | Aluminium |
| Carb. Adjustment | Double - Reverse |
| Weight | 370 g |




## EXPLODED VIEW

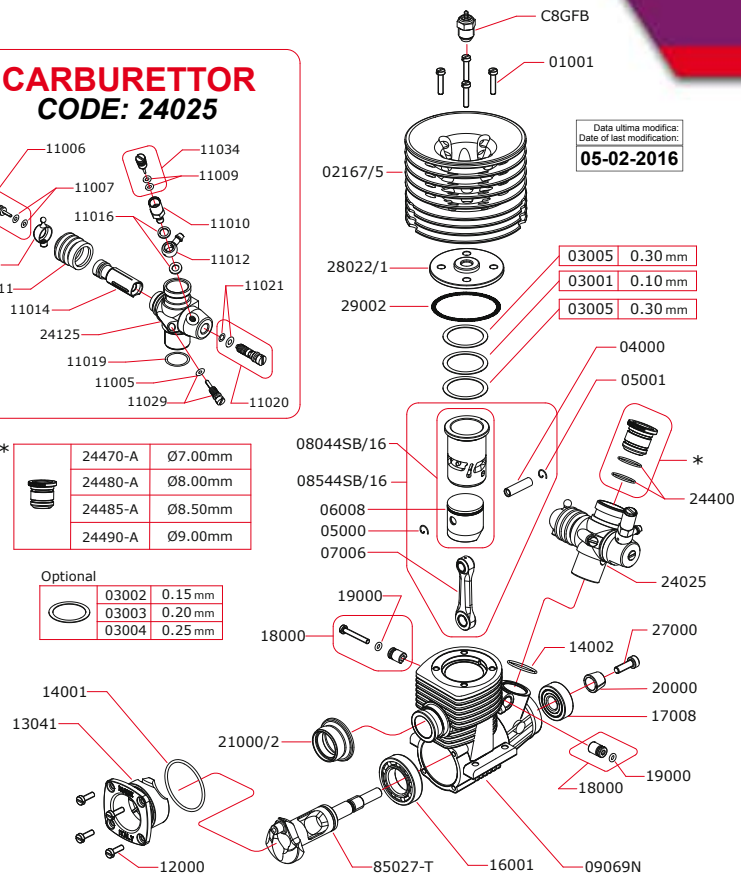
### CARBURETTOR
**CODE: 24025**




| | | |
|---|---|---|
| * | 24470-A | Ø7.00mm |
| | 24480-A | Ø8.00mm |
| | 24485-A | Ø8.50mm |
| | 24490-A | Ø9.00mm |

Optional

| | | |
|---|---|---|
| | 03002 | 0.15 mm |
| | 03003 | 0.20 mm |
| | 03004 | 0.25 mm |




## RECOMMENDED GLOW PLUGS



**C8TGFB**

## RECOMMENDED EXHAUST COMBO KIT



**51010** EFRA 2015
Polished pipe with ring, 3 chambers, this tuned pipe is more progessive with lower fuel consumption.



**51021**
Polished pipe with ring, 3 chambers, more acceleration, higher top speed, high fuel consumption.

**41031**
Conical short header set Ø18/15mm



**41032**
Conical header set Ø18/15mm.



**41033**
Curved header set Ø16/13mm

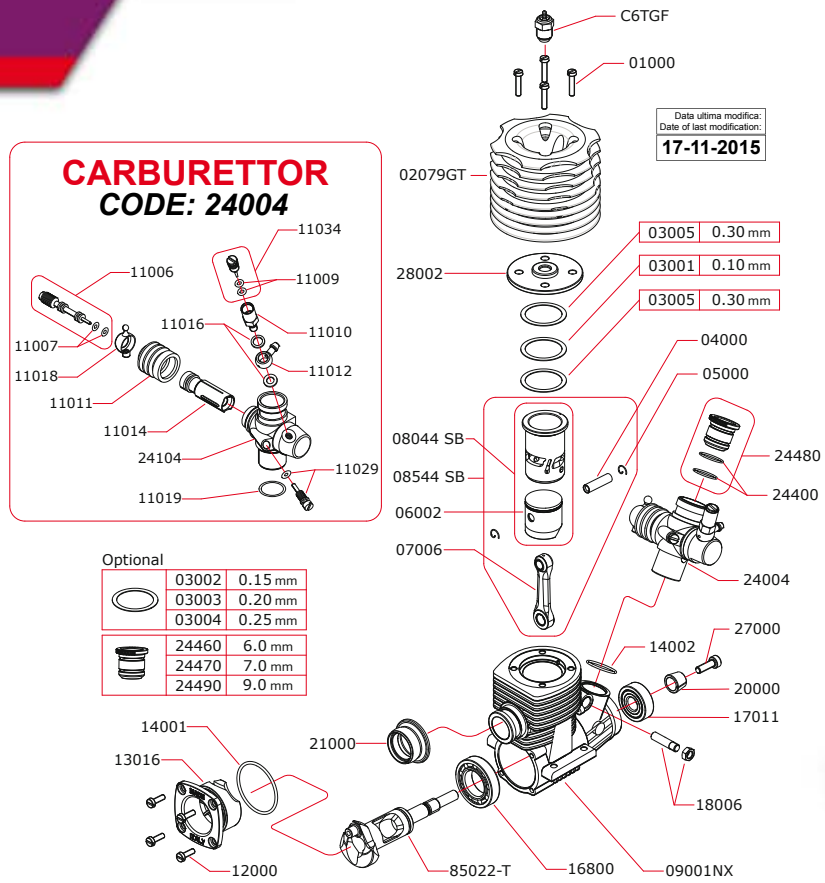




NOVAROSSI Technology

# EXPLODED VIEW

# ISON.21 GT TUNED







SPEC TECH

| | |
|---|---|
| Displacement | 3,49 cc |
| Max Power R.P.M. | 38.500 |
| Bore x Stroke (mm.) | 16,26 x 16,80 |
| Sleeve n. Ports | 5 |
| Crankshaft | Ø 14 mm / Tuned |
| Rear Ball Bearings | Steel |
| Front Ball Bearings | Steel |
| Carburettor Type | Slide - 9mm |
| Carburettor Material | Aluminium |
| Carb. Adjustment | Single |
| Weight | 367 g |

## RECOMMENDED EXHAUST COMBO KIT



**51010** EFRA 2015 — Polished pipe with ring, 3 chambers, this tuned pipe is more progessive with lower fuel consumption.



**51021** — Polished pipe with ring, 3 chambers, more acceleration, higher top speed, high fuel consumption.

**41031** Conical short header set Ø18/15mm



**41032** Conical header set Ø18/15mm.



**41033** Curved header set Ø16/13mm



## RECOMMENDED GLOW PLUGS

**C6TGF**



NOVAROSSI Technology

# MITO 35 RALLY 9

## EXPLODED VIEW

SPEC TECH

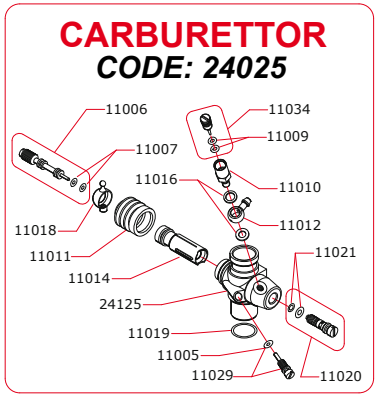
| | |
|---|---|
| Displacement | 3,49 cc |
| Max Power R.P.M. | 41.800 |
| Bore x Stroke (mm.) | 16,26 x 16,80 |
| Sleeve n. Ports | 9 |
| Crankshaft | Ø 14,5 mm / Tuned |
| Rear Ball Bearings | Steel |
| Front Ball Bearings | Steel |
| Carburettor Type | Slide - 9mm |
| Carburettor Material | Aluminium |
| Carb. Adjustment | Double - Reverse |
| Weight | 370 g |







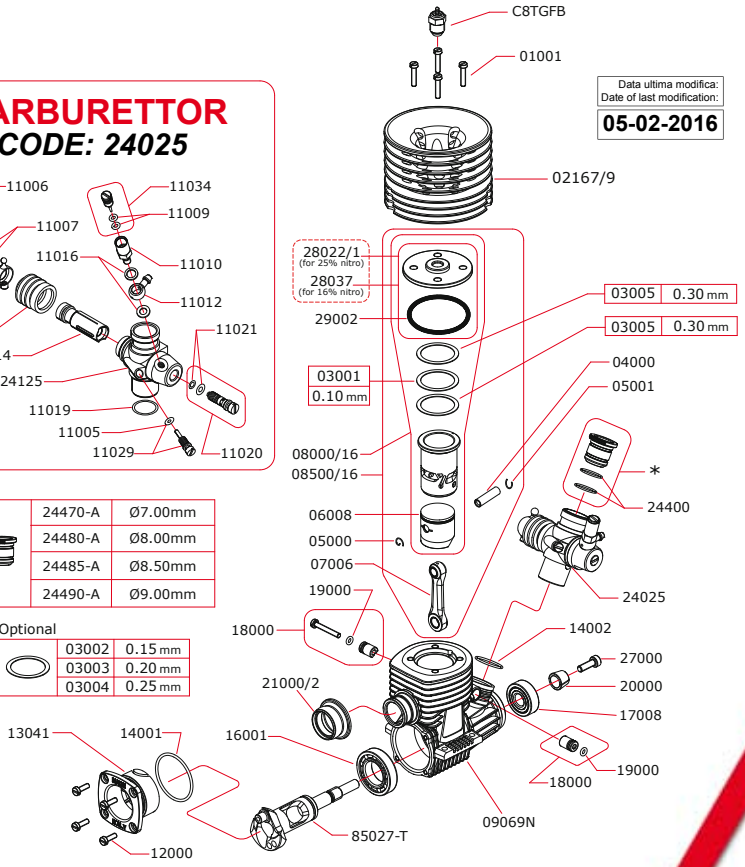
### CARBURETTOR
**CODE: 24025**




| | | |
|---|---|---|
| * | 24470-A | Ø7.00mm |
| | 24480-A | Ø8.00mm |
| | 24485-A | Ø8.50mm |
| | 24490-A | Ø9.00mm |

Optional

| | | |
|---|---|---|
| | 03002 | 0.15 mm |
| | 03003 | 0.20 mm |
| | 03004 | 0.25 mm |




## RECOMMENDED GLOW PLUGS



**C8TGFB**

## RECOMMENDED EXHAUST COMBO KIT



**51010** EFRA 2015
Polished pipe with ring, 3 chambers, this tuned pipe is more progessive with lower fuel consumption.



**51021**
Polished pipe with ring, 3 chambers, more acceleration, higher top speed, high fuel consumption.



**41015** Conical short



**41016** Conical medium



**41017** Conical long



NOVAROSSI Technology

# MITO 9 Rally

## 1/8th 9 PORTS RALLYY



| | |
|---|---|
| Displacement | 3,59 cc |
| Max Power R.P.M. | 41.500 |
| Bore x Stroke (mm.) | 15,88 x 17,60 |
| Sleeve n. Ports | 9 |
| Crankshaft | Ø 14,5 mm |
| Rear Ball Bearings | steel |
| Front Ball Bearings | steel |
| Carburettor Type | Slide - 9 mm |
| Carburettor Material | Aluminium |
| Carb. Adjustment | Double - Reverse |
| Weight | 370 g |

### SPEC TECH

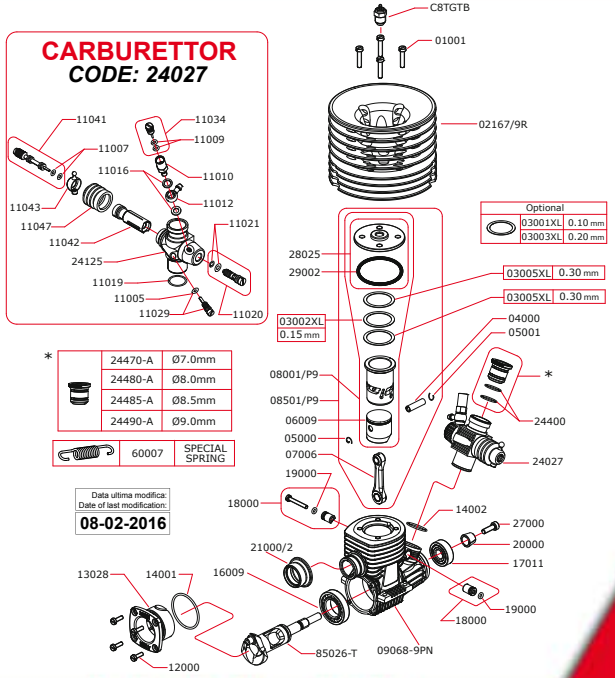
### EXHAUST



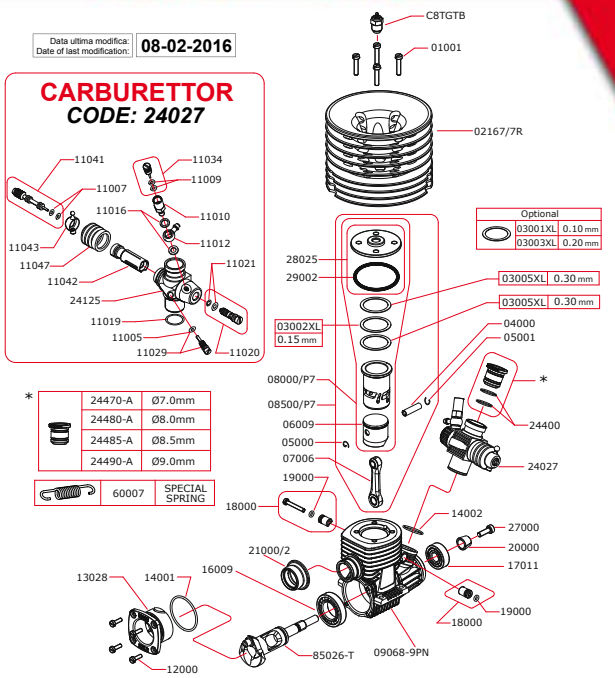

### RECOMMENDED




### CARBURETTOR CODE: 24027




EXPLODED VIEW




## 1/8th 7 PORTS RALLY



### SPEC TECH

| | |
|---|---|
| Displacement | 3,59 cc |
| Max Power R.P.M. | 41.500 |
| Bore x Stroke (mm.) | 15,88 x 17,60 |
| Sleeve n. Ports | 7 |
| Crankshaft | Ø 14,5 mm |
| Rear Ball Bearings | steel |
| Front Ball Bearings | steel |
| Carburettor Type | Slide - 9 mm |
| Carburettor Material | Aluminium |
| Carb. Adjustment | Double - Reverse |
| Weight | 370 g |

# MITO 7 Rally




# 1/5th MOTORBIKE ENGINES

48

.12 / 2,1cc
.15 / 2,5cc

NOVAROSSI Technology


BK.15
BK.15SL
BK.15SL3
CX15MB

# BK12

## 1/10th MOTORBIKE ENGINE

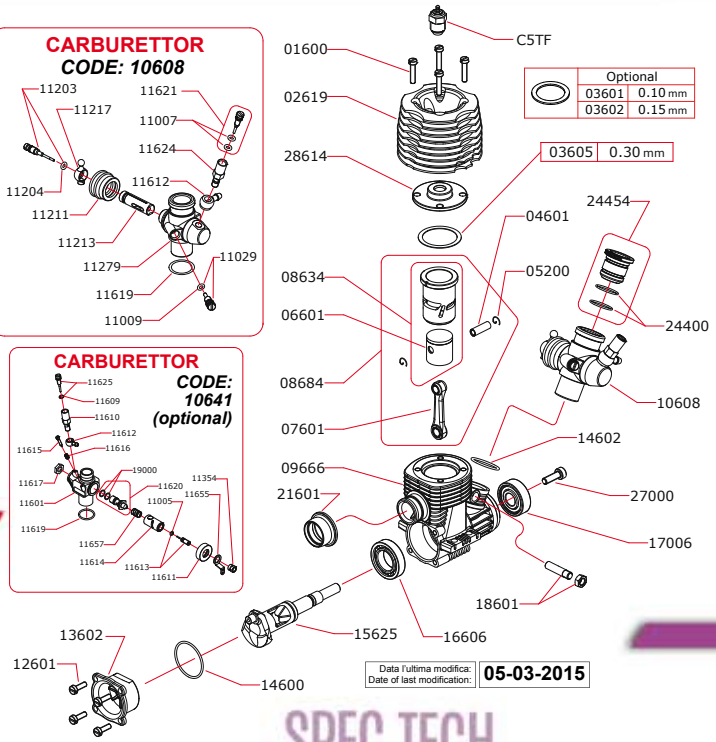



**CARBURETTOR**
***CODE: 10608***




**CARBURETTOR**
***CODE: 10641 (optional)***




## SPEC TECH

| | |
|---|---|
| Displacement | 2,10 cc |
| Max Power R.P.M. | 37.000 |
| Bore x Stroke (mm.) | 13,80 x 14,04 |
| Sleeve n. Ports | 3 |
| Crankshaft | Ø 11,5 mm |
| Rear Ball Bearings | Steel |
| Front Ball Bearings | Steel |
| Carburettor Type | Slide - 5,4 mm |
| Carburettor Material | Aluminium |
| Carb. Adjustment | Single |
| Weight | 210 g |



NOVAROSSI Technology

# BK15



| | |
|---|---|
| Displacement | 2,49 cc |
| Max Power R.P.M. | 43.500 |
| Bore x Stroke (mm.) | 14,90 x 14,25 |
| Sleeve n. Ports | 5 |
| Crankshaft | Ø 11,5 mm |
| Rear Ball Bearings | steel |
| Front Ball Bearings | steel |
| Carburettor Type | Slide - 6,5 mm |
| Carburettor Material | Aluminium |
| Carb. Adjustment | Single |
| Weight | 200 g |

## SPEC TECH

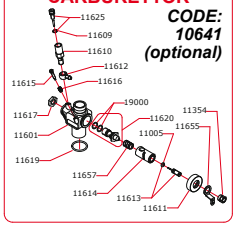
1/10th MOTORBIKE

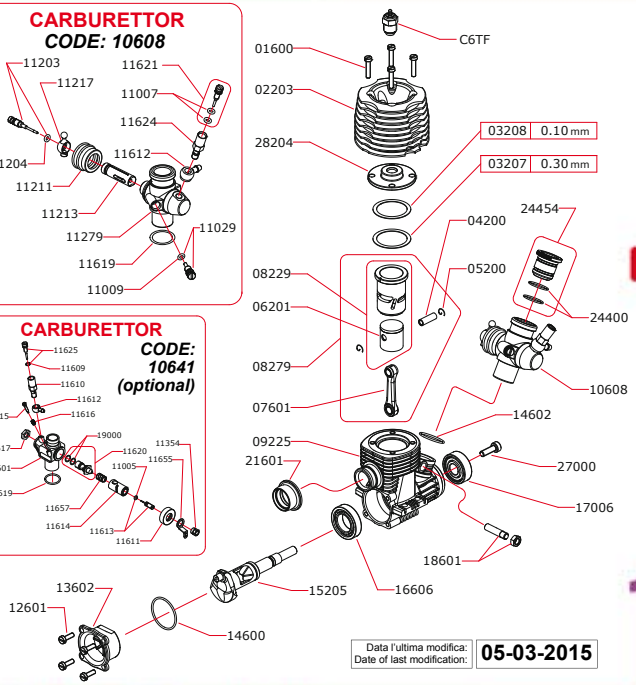
## EXPLODED VIEW

**CARBURETTOR**
***CODE: 10608***




**CARBURETTOR**
***CODE: 10641 (optional)***




Data l'ultima modifica: / Date of last modification: **05-03-2015**

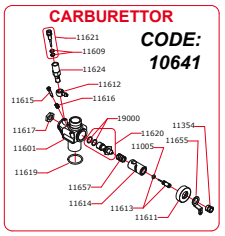


| | |
|---|---|
| Displacement | 2,49 cc |
| Max Power R.P.M. | 34.500 |
| Bore x Stroke (mm.) | 14,90 x 14,25 |
| Sleeve n. Ports | 3 |
| Crankshaft | Ø 11,5 mm |
| Rear Ball Bearings | steel |
| Front Ball Bearings | steel |
| Carburettor Type | Rotary - 6,5 mm |
| Carburettor Material | Aluminium |
| Carb. Adjustment | Single |
| Weight | 227 g |

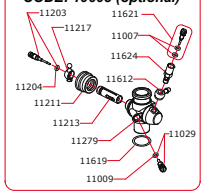
## SPEC TECH

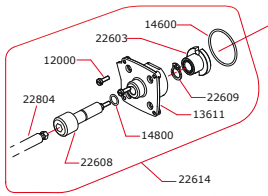
# CX15MB

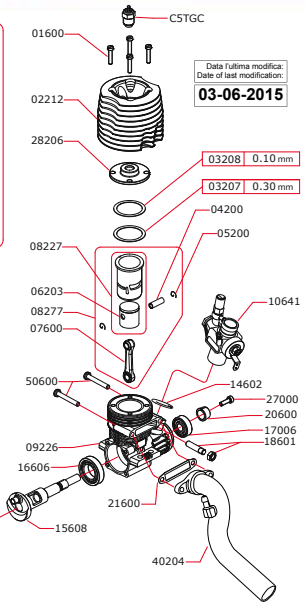
**CARBURETTOR**
***CODE: 10641***




**CARBURETTOR**
***CODE: 10608 (optional)***



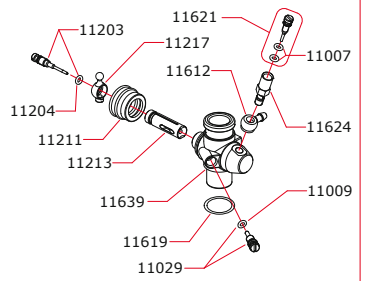



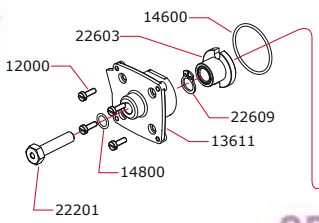
# BK15SL

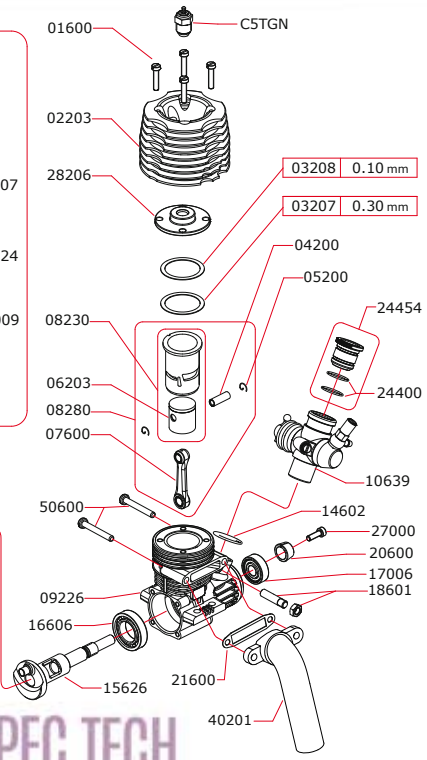
## 1/10th MOTORBIKE ENGINE




### CARBURETTOR
**CODE: 10639**



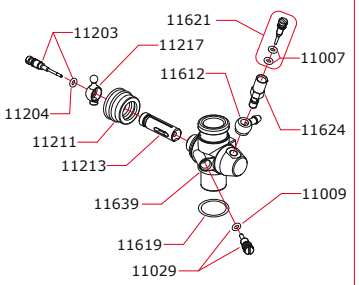

### SPEC TECH

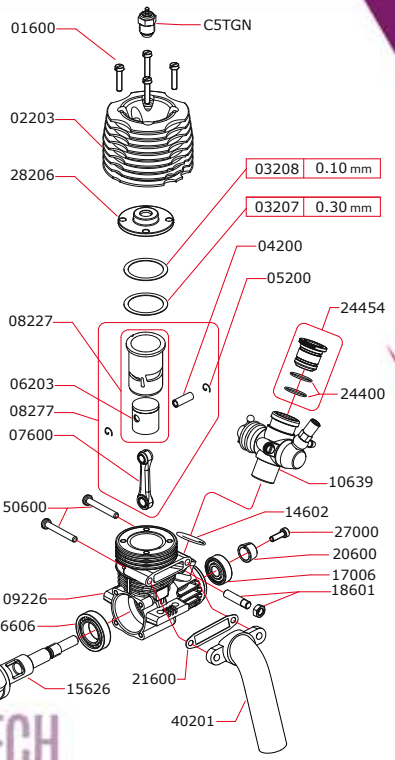
| | |
|---|---|
| Displacement | 2,49 cc |
| Max Power R.P.M. | 42.000 |
| Bore x Stroke (mm.) | 14,90 x 14,25 |
| Sleeve n. Ports | 5 |
| Crankshaft | Ø 11,5 mm - turbo |
| Rear Ball Bearings | Steel |
| Front Ball Bearings | Steel |
| Carburettor Type | Slide - 6,5 mm |
| Carburettor Material | Aluminium |
| Carb. Adjustment | Single |
| Weight | 338 g |

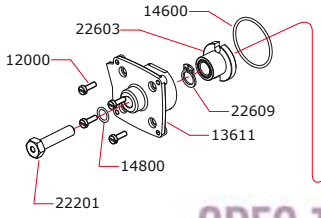
NOVAROSSI Technology

# 1/10th BK15SL3 MOTORBIKE ENGINE

## CARBURETTOR
**CODE: 10639**




## SPEC TECH

| | |
|---|---|
| Displacement | 2,49 cc |
| Max Power R.P.M. | 42.000 |
| Bore x Stroke (mm.) | 14,90 x 14,25 |
| Sleeve n. Ports | 3 |
| Crankshaft | Ø 11,5 mm - turbo |
| Rear Ball Bearings | Steel |
| Front Ball Bearings | Steel |
| Carburettor Type | Slide - 6,5 mm |
| Carburettor Material | Aluminium |
| Carb. Adjustment | Single |
| Weight | 338 g |





NOVAROSSI Technology


Hardito Rally.21
Brave On-Road.21
liverange
Loco Off-Road.21
Bloody Off-Road.21
Stürm 1/10 Touring


Loco
Brave
Bloody
Engines
for passion
NOVA
engines

# BRAVE

line range

## SPEC TECH

| | |
|---|---|
| Displacement | 3,49 cc |
| Max Power R.P.M. | 38.500 |
| Bore x Stroke (mm.) | 16,26 x 16,80 |
| Sleeve n. Ports | 5 |
| Crankshaft | Ø 14 mm |
| Rear Ball Bearings | steel |
| Front Ball Bearings | steel |
| Carburettor Type | Slide - 9 mm |
| Carburettor Material | Aluminium |
| Carb. Adjustment | Single |
| Weight | 348 g |



## 1/8th ONROAD

### EXHAUST COMBO KIT



**51010** EFRA 2015 — Polished pipe with ring, 3 chambers, this tuned pipe is more progessive with lower fuel consumption.



**51011** EFRA 2052 — Polished pipe with ring, 3 chambers, more acceleration, higher top speed, high fuel consumption.

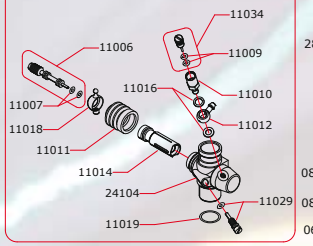


**41016** conical medium

RECOMMENDED

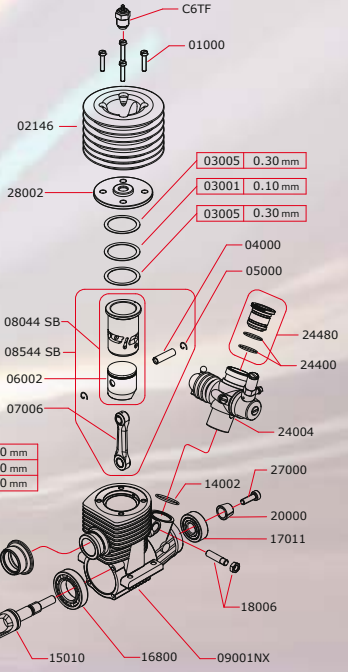
Data ultima modifica: / Date of last modification: **25-11-2015**

### CARBURETTOR CODE: 24004




| Optional | | |
|---|---|---|
| 03002 | 0.15 mm |
| 03003 | 0.20 mm |
| 03004 | 0.25 mm |

| | | |
|---|---|---|
| 24460 | 6.0 mm |
| 24470 | 7.0 mm |
| 24490 | 9.0 mm |




EXPLODED VIEW

# HARDITO

line range

## SPEC TECH

| | |
|---|---|
| Displacement | 3,49 cc |
| Max Power R.P.M. | 37.000 |
| Bore x Stroke (mm.) | 16,26 x 16,80 |
| Sleeve n. Ports | 7 |
| Crankshaft | Ø 14 mm |
| Rear Ball Bearings | steel |
| Front Ball Bearings | steel |
| Carburettor Type | Slide - 9 mm |
| Carburettor Material | Plastic |
| Carb. Adjustment | Single |
| Weight | 357 g |



## 1/8th RALLY

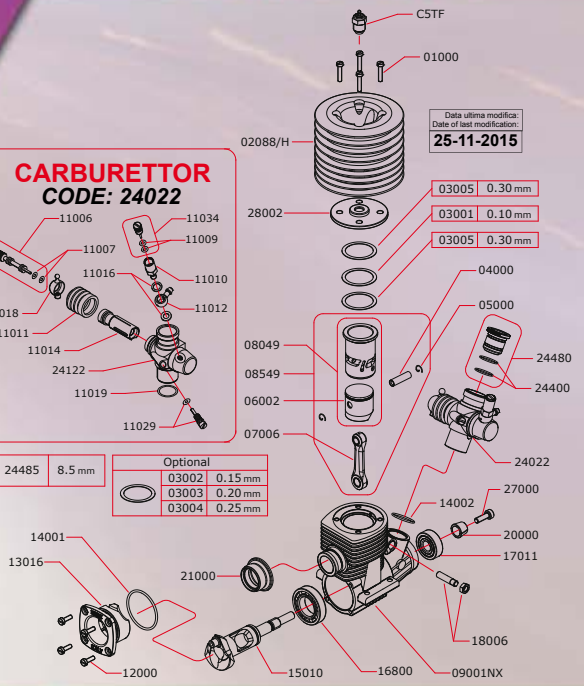
Data ultima modifica: / Date of last modification: **25-11-2015**

### CARBURETTOR CODE: 24022




| | |
|---|---|
| 24485 | 8.5 mm |

| Optional | |
|---|---|
| 03002 | 0.15 mm |
| 03003 | 0.20 mm |
| 03004 | 0.25 mm |






NOVAROSSI Technology

# STÜRM/RT

ROTOSTART
1/10th
TOURING

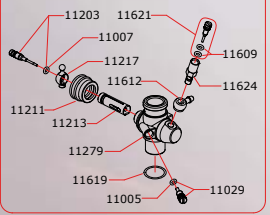


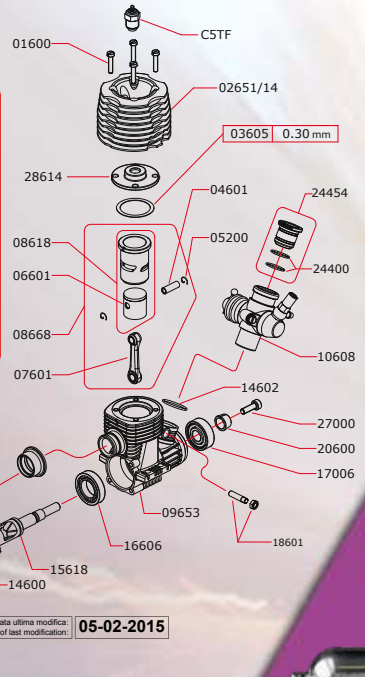
| | |
|---|---|
| Displacement | 2,10 cc |
| Max Power R.P.M. | 37.000 |
| Bore x Stroke (mm.) | 13,80 x 14,04 |
| Sleeve n. Ports | 3 |
| Crankshaft | Ø 11,5 mm |
| Rear Ball Bearings | steel |
| Front Ball Bearings | steel |
| Carburettor Type | Slide - 5,4 mm |
| Carburettor Material | Aluminium |
| Carb. Adjustment | Double |
| Weight | 266 g |

SPEC TECH

line range

**CARBURETTOR**
***CODE: 10608***




| Optional | |
|---|---|
| 03601 | 0.10 mm |
| 03602 | 0.15 mm |

Data ultima modifica: / Date of last modification: **05-02-2015**

EXPLODED VIEW

EXHAUST COMBO KIT



**41616**
conical medium



**51614** EFRA 2652 — Polished pipe with ring, 2 chambers, conical tube, 'New generation' tuned pipe for more top speed.



**51615** EFRA 2660 — Polished pipe with ring, 2 chambers, conical tube, 'New Generation' tuned pipe with improved acceleration.

RECOMMENDED

1/10th
TOURING



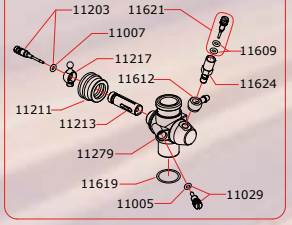
# STÜRM

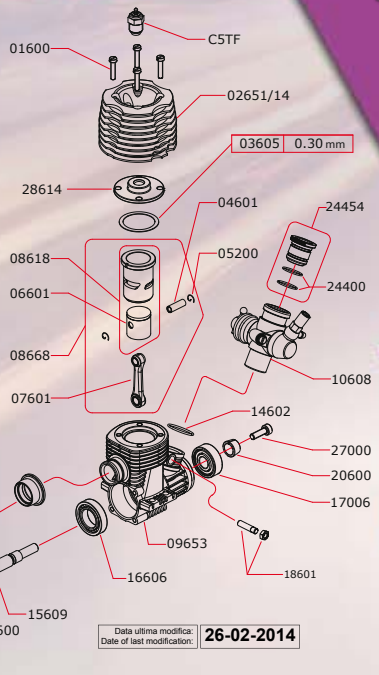
| | |
|---|---|
| Displacement | 2,10 cc |
| Max Power R.P.M. | 37.000 |
| Bore x Stroke (mm.) | 13,80 x 14,04 |
| Sleeve n. Ports | 3 |
| Crankshaft | Ø 11,5 mm |
| Rear Ball Bearings | steel |
| Front Ball Bearings | steel |
| Carburettor Type | Slide - 5,4 mm |
| Carburettor Material | Aluminium |
| Carb. Adjustment | Single |
| Weight | 230 g |

SPEC TECH

line range

**CARBURETTOR**
***CODE: 10608***



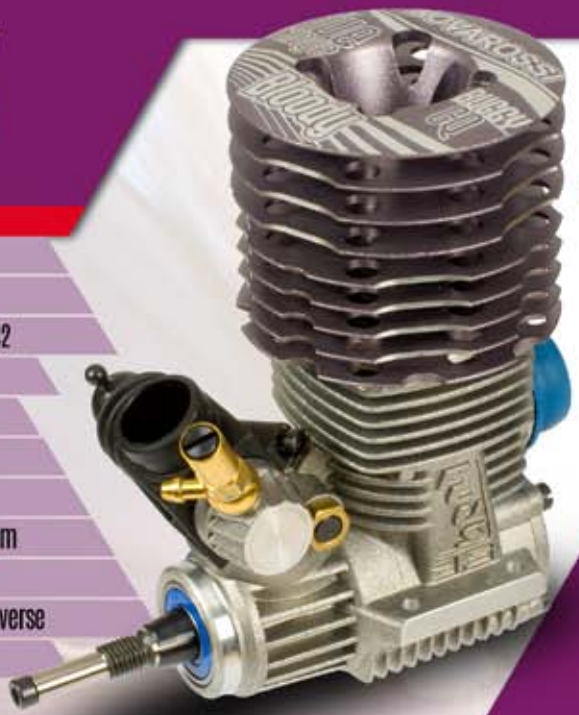

| Optional | |
|---|---|
| 03601 | 0.10 mm |
| 03602 | 0.15 mm |

Data ultima modifica: / Date of last modification: **26-02-2014**

# BLOODY

## 1/8th ONROAD

| SPEC TECH | |
|---|---|
| Displacement | 3,49 cc |
| Max Power R.P.M. | 34.500 |
| Bore x Stroke (mm.) | 16,42 x 16,42 |
| Sleeve n. Ports | 4 |
| Crankshaft | Ø 13 mm |
| Rear Ball Bearings | steel |
| Front Ball Bearings | steel |
| Carburettor Type | Slide - 9 mm |
| Carburettor Material | Plastic |
| Carb. Adjustment | Single - Reverse |
| Weight | 350 g |



### EXHAUST COMBO KIT



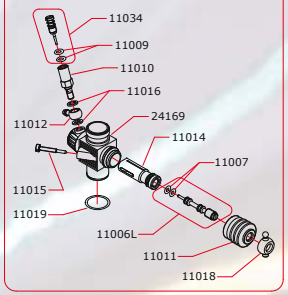
**41021**
polished short set 2 rings version.



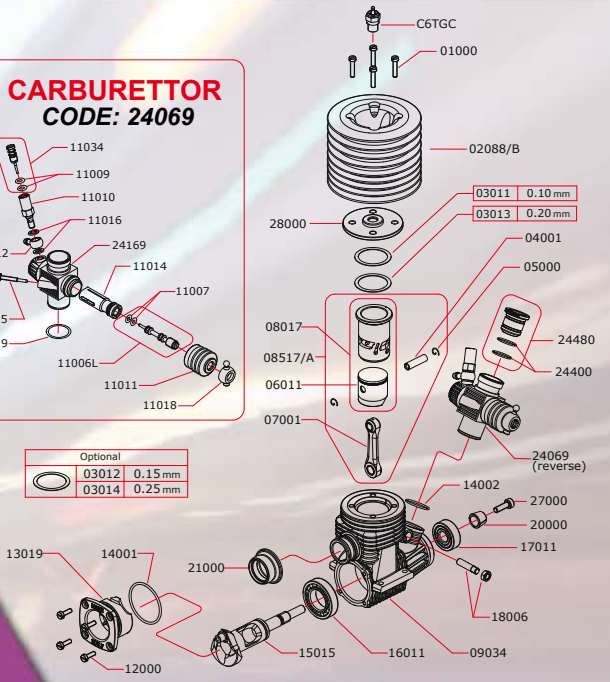
**51018**
EFRA 2084

**51016**
EFRA 9901

### CARBURETTOR
**CODE: 24069**




| Optional | | |
|---|---|---|
| | 03012 | 0.15 mm |
| | 03014 | 0.25 mm |




EXPLODED VIEW

# liya range

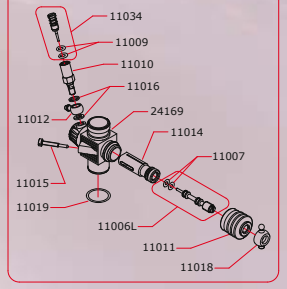
| SPEC TECH | |
|---|---|
| Displacement | 3,49 cc |
| Max Power R.P.M. | 28.000 |
| Bore x Stroke (mm.) | 16,26 x 16,80 |
| Sleeve n. Ports | 3 |
| Crankshaft | Ø 14 mm |
| Rear Ball Bearings | steel |
| Front Ball Bearings | steel |
| Carburettor Type | Slide - 9 mm |
| Carburettor Material | Plastic |
| Carb. Adjustment | Single - Reverse |
| Weight | 360 g |



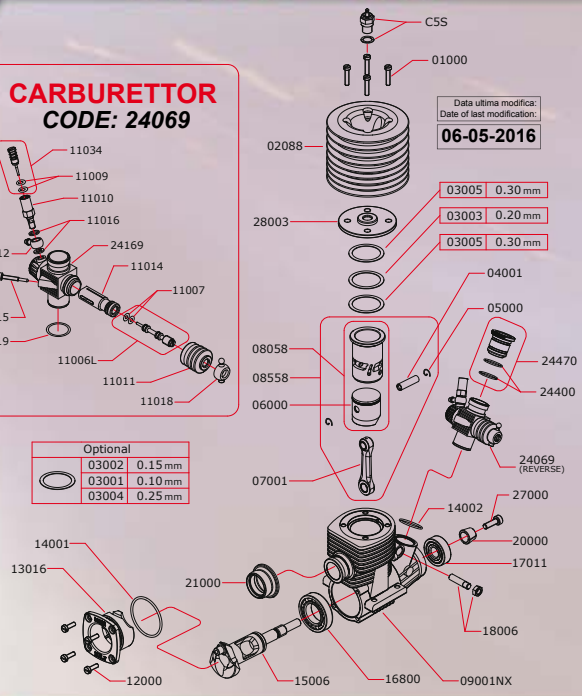
### RECOMMENDED

## 1/8th ONROAD

### CARBURETTOR
**CODE: 24069**




| Optional | | |
|---|---|---|
| | 03002 | 0.15 mm |
| | 03001 | 0.10 mm |
| | 03004 | 0.25 mm |



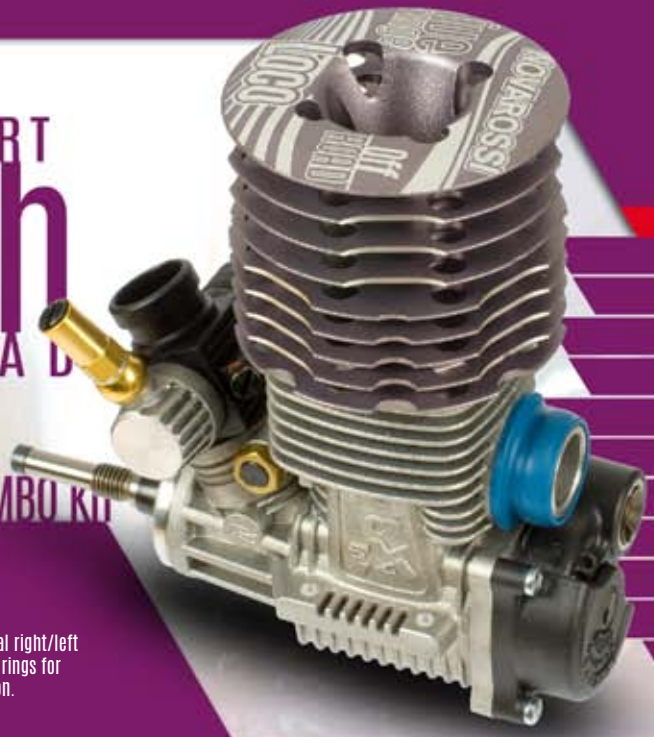

# LOCO



NOVAROSSI Technology

# LOCO/RT

## ROTOSTART 1/8th OFFROAD

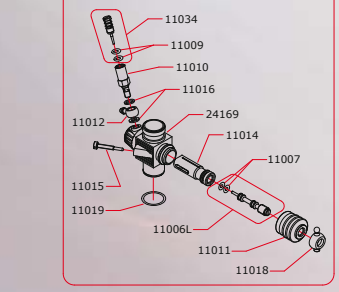


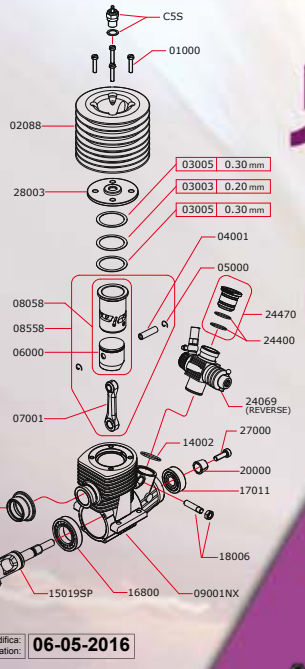
| | |
|---|---|
| Displacement | 3,49 cc |
| Max Power R.P.M. | 28.000 |
| Bore x Stroke (mm.) | 16,26 x 16,80 |
| Sleeve n. Ports | 3 |
| Crankshaft | Ø 14 mm |
| Rear Ball Bearings | steel |
| Front Ball Bearings | steel |
| Carburettor Type | Slide - 9 mm |
| Carburettor Material | Plastic |
| Carb. Adjustment | Single - Reverse |
| Weight | 420 g |

SPEC TECH

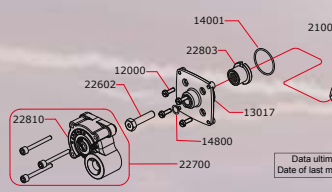
line range

### CARBURETTOR
**CODE: 24069**




| Optional | | |
|---|---|---|
| | 03002 | 0.15 mm |
| | 03001 | 0.10 mm |
| | 03004 | 0.25 mm |




Data ultima modifica: / Date of last modification: **06-05-2016**

EXPLODED VIEW

## EXHAUST COMBO KIT



**41026**
black cylindrical right/left exhaust set 2 rings for RT/PS version.



**50003**
Black pipe, with ring, 2 chambers, right/left exhaust.

## RECOMMENDED

## PULLSTARTER 1/8th OFFROAD



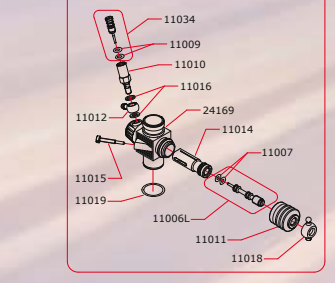
# LOCO/PS

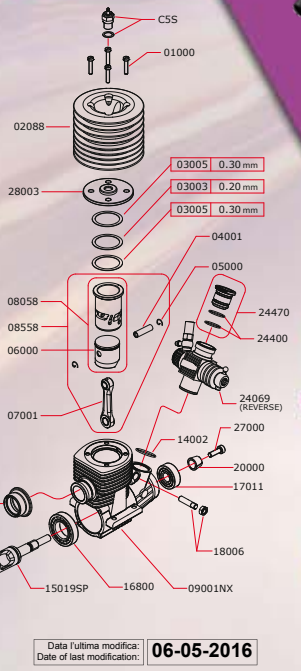
| | |
|---|---|
| Displacement | 3,49 cc |
| Max Power R.P.M. | 28.000 |
| Bore x Stroke (mm.) | 16,26 x 16,80 |
| Sleeve n. Ports | 3 |
| Crankshaft | Ø 14 mm |
| Rear Ball Bearings | steel |
| Front Ball Bearings | steel |
| Carburettor Type | Slide - 9 mm |
| Carburettor Material | Plastic |
| Carb. Adjustment | Single - Reverse |
| Weight | 420 g |

SPEC TECH

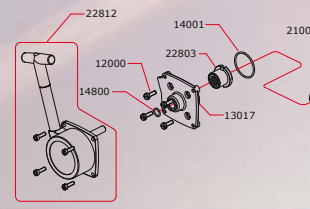
line range

### CARBURETTOR
**CODE: 24069**

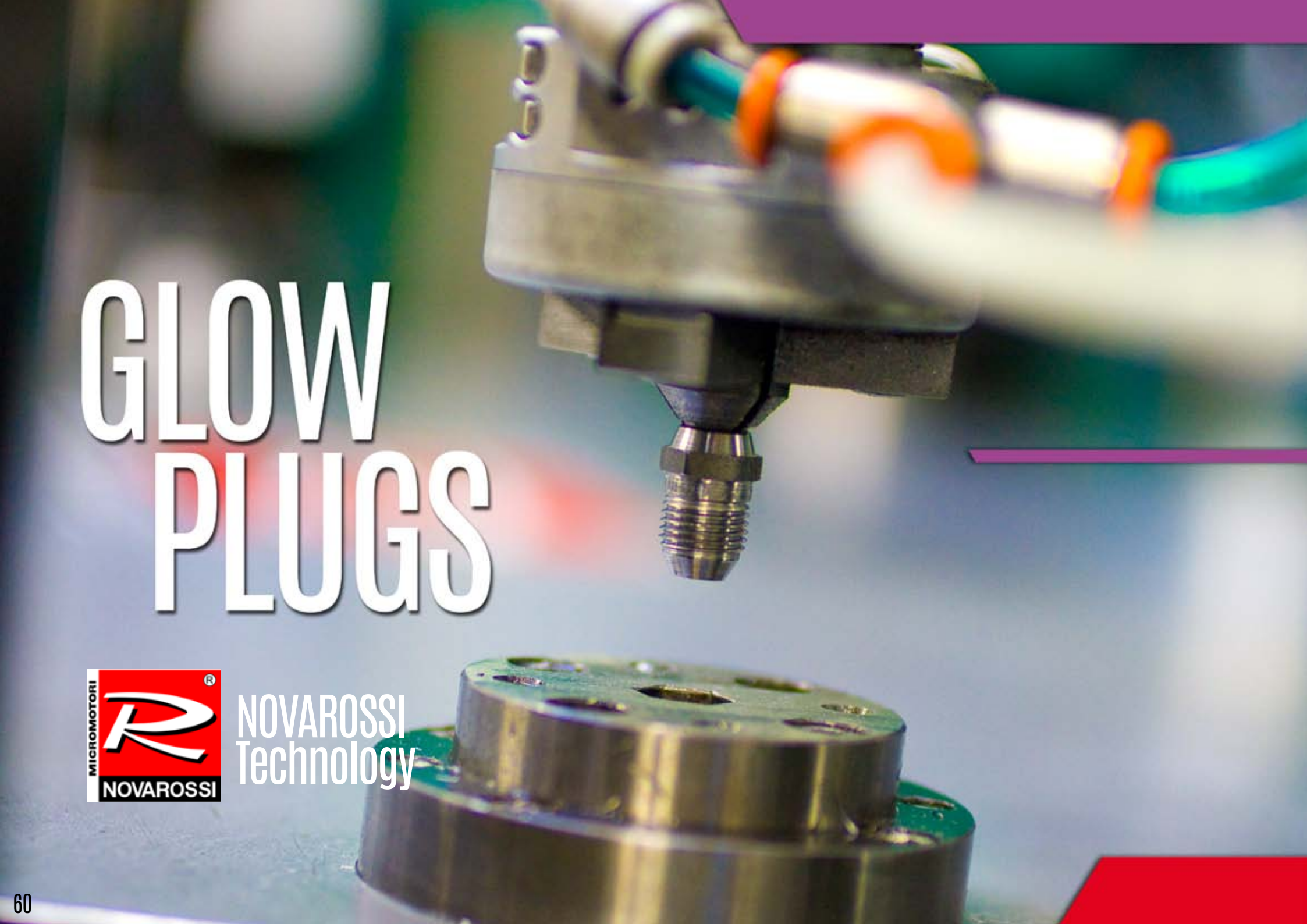



| Optional | | |
|---|---|---|
| | 03002 | 0.15 mm |
| | 03001 | 0.10 mm |
| | 03004 | 0.25 mm |




Data l'ultima modifica: / Date of last modification: **06-05-2016**


GLOW
PLUGS
MICROMOTORI
NOVAROSSI
NOVAROSSI
Technology

# GLOW PLUGS

# ON ROAD

## Conical Turbo

### 1/10th

**C5TGH** - for ambient temperature 0°C/10°C
**C6TGH** - for ambient temperature 5°C/25°C
**C6TGF** - for ambient temperature 10°C/40°C
**C7TGH** - for ambient temperature 20°C/40°C

### 1/8th

**C7TGH** - for ambient temperature 0°C/10°C
**C8TGH** - for ambient temperature 10°C/40°C
**C9TGH** - for ambient temperature over 30°C
or higher quantities of nitromethane



## Conical Turbo T-Line (long life)

### 1/8th

**C6TGT** - for ambient temperature 10°C/40°C
**C8TGT** - for ambient temperature 10°C/40°C

## Conical Turbo B-Line

### 1/8th

**C7TGFB** - for ambient temperature: 0°C/20°C
**C7TGHB** - for ambient temperature: 0°C/20°C
**C8TGFB** - for ambient temperature: 10°C/40°C
**C8TGHB** - for ambient temperature: 10°C/40°C
**C8TGTB** - for ambient temperature: 10°C/40°C
**C9TGHB** - for ambient temperature: over 30°C
or higher quantities of nitromethane



# OFF ROAD



## Standard Special

**C1S** - Ultra Hot
**C2S** - Extra Hot
**C3S** - Very Hot
**C4S** - Hot
**C5S** - Medium
**C6S** - Cold (25% Nitro)
**C7S** - Very Cold (over 25% Nitro)
**C8S** - Extra Cold (over 25% Nitro)
**C9S** - Ultra Cold (over 25% Nitro)



## Standard Special Gold

**C4G** - Gold Hot
**C5G** - Gold Medium
**C6G** - Gold Cold
**C7G** - Gold Very Cold



## Turbo "CTO Series"

**CTO5** - for temp. 0°C/10°C
**CTO6** - for temp. 10°C/25°C
**CTO7** - for temp. 25°C/40°C



## Turbo Gold

**C6TGC** - for temp. 10°C/25°C
**C7TGC** - for temp. 25°C/40°C

**C5TGN** - for all temperatures range

# BUGGY CLUTCH

The four shoes clutch is conceived, designed and built by Novarossi in order to

grant the most efficient **POWER** transmission

increase **TRACTION**

increase the **LIFETIME** of its parts

reduce fuel **CONSUMPTION**

The clutch is completely tunable thanks to different springs and shoes combinations, aluminum and **CFM** Controlled Friction Material

The springs are available in three different hardness.




NOVAROSSI Technology

# BUGGY CLUTCH



**71000**
Buggy clutch complete



**71024**
Buggy clutch's flywheel



**71022/K**
Shoes kit: 2 pcs. aluminum, 2 pcs. CFM*

MICROMOTORI NOVAROSSI



**71021/10**
Clutch's spring Ø 1mm (4 pcs.)



**71023**
Clutch's spacer



**71020/13**
13th clutch bell complete 2 ball bearings (71027)

**71020/14**
14th clutch bell complete 2 ball bearings (71027)



**71025**
Special clutch's nut



**71027**
Ball bearings Ø5x10x4 mm(2 pcs.).



**71026**
Clutch's shim



**27000**
Crankshaft screw SPT M 3x10mm



**20600**
Burnished cone

## OPTIONAL



**71021/09**
Springs Ø 0.9 mm (4 pcs.)

**71021/11**
Springs Ø 1.1 mm (4 pcs.)

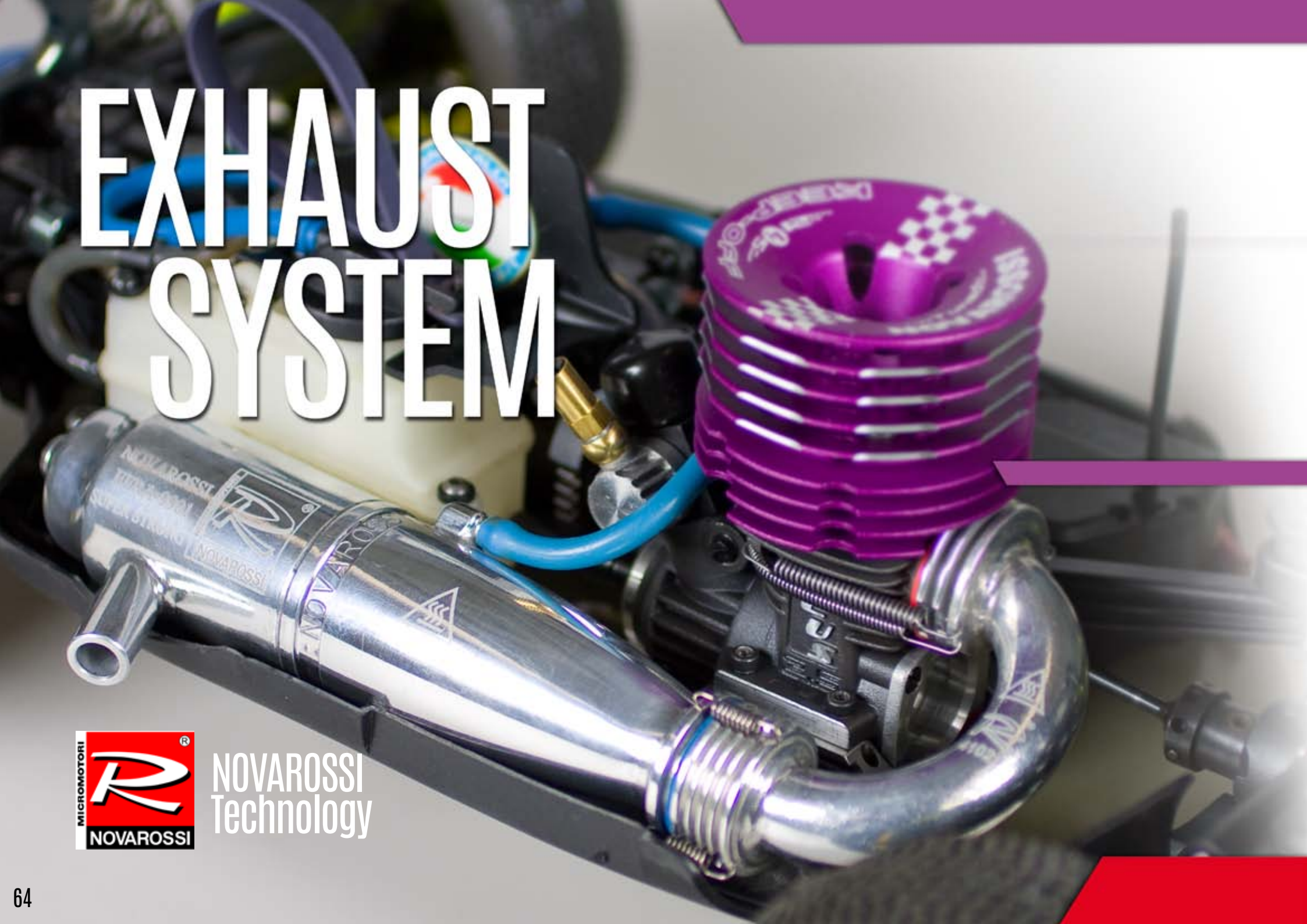
**71021K**
Springs kit Ø 0.9/1.0/1.1 (4 pcs. for size)



**71022/A**
Aluminum shoes (4 pcs.)



**71022/P**
CFM* shoes (4 pcs.)


EXHAUST
SYSTEM
MICROMOTORI
NOVAROSSI
NOVAROSSI
Technology

# TUNED PIPES






## 51022
Polished pipe, with ring, 3 chambers, more torque.

EFRA 2122



## 50001
Black pipe, no ring, bigger volumes for 3,5cc/4,66cc engines.



## 51009
3 Chambers polished tuned pipe with mounting ring for 3,5cc On-road engines. Our most progressive tuned pipe.

EFRA 2006



## 51010
3 Chambers polished tuned pipe with mounting ring for 3,5cc On-road engines. (EFRA/IFMAR legal). A more progessive tuned pipe with lower fuel consumption.

EFRA 2015



## 51011
3 Chambers polished tuned pipe with mounting ring for 3,5cc On-road engines. (EFRA/IFMAR legal). Better acceleration, higher top speed, high fuel consumption.

EFRA 2052



## 51016

Super Strong: This EFRA 9901 is made with stronger walls, to make it more resistant to damage for 3,5cc/4,66cc engines at the same time will make your engine more driveable.

EFRA 9901



## 51006

3 Chambers polished tuned pipe with mounting ring for 3,5cc/4,66cc engines. (EFRA/IFMAR legal). The most popular tuned pipe.

EFRA 9901



## 50015

Polished tuned pipe, no ring, 3 chambers.

EFRA 9901




# TUNED PIPES

IFMAR WORLD CHAMPION 2012 ARGENTINA

# Reinforced Tube



## 51020M

Polished pipe, with ring, 3 chambers, reinforced tube. Used by Robert Batlle IFMAR World Championship 2012.

EFRA 2096

## 51006M

EFRA 9901: Off-road polished tuned pipe, with ring, 3 chambers, reinforced tube for 3,5cc/4,66cc engines.

EFRA 9901



# TUNED PIPES






## 51019

Polished tuned pipe with ring, 2 chambers, not homologated for use in non-sanctioned events.



## 51008

2 chambers tuned pipe with mounting ring and satin finish for 3,5cc and 4,66cc Off-road engines.



## 51017

Super Strong: This tuned pipe features stronger walls, this will make it more resistant to impacts for 3,5cc/4,66cc engines at the same time will make your engine more driveable.



## 51013

3 Chambers polished tuned pipe with mounting ring for 3,5cc/4,66cc Off-road engines. (For use in EFRA sanctioned events.) Use this tuned pipe when there are imposed strong noise restrictions.

## EFRA 3005



## 51018

EFRA 2084 SUPER STRONG: Polished pipe, with ring, 3 chambers for 3,5cc/4,66cc engines. Softens the engine response at lower RPM.

## EFRA 2084



## 51020

EFRA 2096: 3 Chambers, Super Strong polished tuned pipe for 3,5cc/4,66cc engines. Making the power of your engine more useable.

## EFRA 2096



## 51610

EFRA 2630: Polished tuned pipe with mounting ring for 2,1cc car engines. Use this tuned pipe when a better acceleration is required.

EFRA 2630



## 51614

Polished Tuned pipe for use with 2,1cc competition engines. 'New generation' tuned pipe for more top speed.

EFRA 2652



## 51615

Polished Pipe, with ring, 2 Chambers, Conical Tube. 'New Generation' tuned pipe with improved acceleration for 2,1cc/2,5cc engines.

EFRA 2660




# TUNED PIPES

## 51611

3 chambers polished tuned pipe for 2,1cc car engines. Use this tuned pipe when there are strong noise restrictions are imposed.





## 51600

Side pipe for 2,1cc and 2,5cc engines.

# TUNED PIPES

## For 2.1/2.5cc On/Off Road Engines




### 51606
Polished left sided tuned pipe for 2,1cc car engines. Use this tuned pipe when more top speed is required.




### 50608
Polished tuned pipe, no ring, right exhaust for 2,1cc/2,5cc engines.



### 51608
Polished right sided tuned pipe with mounting ring for 2,1cc car engines.




### 51609
Polished tuned pipe “turbo”, with ring, right exhaust for 2,1cc/2,5cc engines.




### 51607
Polished tuned pipe “turbo”, with ring for 2,1cc/2,5cc engines.

# For 2.1/2.5cc on/off road




**51224**
Polished tuned pipe with mounting ring for 2,1cc car engines.




**51602**
Black pipe, no ring, with bigger volumes for 2,1cc/2,5cc engines.




**51603**
Black tuned pipe, without ring for 2,1cc/2,5cc engines.

MICROMOTORI NOVAROSSI

# For 3.5/4.66cc on/off road



**50003**
Black pipe, with ring, 2 chambers, right/left exhaust.

**50007**
Black pipe, no ring, with pressure nipple.




# TUNED PIPES

# TUNED PIPES

## For REVO model

### 51225-206

Tuned pipe kit which is designed to be used with our 2,5 Super Charged engine on Traxxas Revo cars.



# 2.5cc

OFF ROAD OFF ROAD OFF ROAD OFF ROAD OFF ROAD OFF ROAD

# TRAXXAS



## For T-MAXX model

### 51226-207

Tuned pipe kit which is designed to be used with our 2,5 Super Charged engine on Traxxas T-Maxx cars.

.12



## 40601
Polished side exhaust cylindrical set for Serpent car.



## 40602
Polished cylindrical set for 1/10 Touring car.



## 40603
Polished cylindrical set 2 rings for 1/10 Touring car.



For 2.1cc On/Off Road Engines

# MANIFOLDS



## 40604
Polished rear exhaust cylindrical set 2 rings for Kyosho car.



## 40605
Polished side exhaust polyshed set cylindrical 1 ring.

# MANIFOLDS

## Conical



**41615**
Polished conical
shortset 2 rings
5 fins for 1/10 cars.



**41616**
Polished conical set
2 rings 6 fins.



**41617**
Polished conical set
2 rings 7 fins.

### NOTE :

- Shorter exhaust gives less acceleration, but an increased topspeed.
- Longer exhaus gives more acceleration, but reduced top speed.

- Conical exhaust manifold:
top speed higher, higher acceleration and higher fuel consumption.
- Exhaust manifold normal:
top speed lower and lower fuel consumption.

## .12 Cylindrical



**41618**
Polished cylindrical
set 2 rings 5 fins.



**41619**
Polished cylindrical
set 2 rings 6 fins.



**41620**
Polished cylindrical
set 2 rings 7 fins.

.21



40000
short polyshed
set 1 ring



41000
polished long
set 2 rings



41004
polished short
set 2 rings



For 3.5cc
On Road
Engines

# MANIFOLDS



41009
polished conical
set 2 rings



41028
black cylindrical
right/left exhaust
side set 2 rings

# MANIFOLDS

## Conical



**41015**
polished conical
short set
2 rings 5 fins



**41016**
polished conical
medium set
2 rings 6 fins



**41017**
polished conical
long set
2 rings 7 fins

### NOTE :

- Shorter exhaust gives less acceleration, but an increased topspeed.
- Longer exhaus gives more acceleration, but reduced top speed.

- Conical exhaust manifold:
  top speed higher, higher acceleration and higher fuel consumption.
- Exhaust manifold normal:
  top speed lower and lower fuel consumption.

.21

## Cylindrical



**41022**
polished cylindrical
short set
2 rings 5 fins



**41023**
polished cylindrical
medium set
2 rings 6 fins



**41024**
polished cylindrical
long set
2 rings 7 fins

# Conical




**41031**
Polished conical short header set 2 rings Ø18/15mm




**41032**
Polished conical Header Set 2 Rings Ø18/15mm.




**41033**
Polished curved Header Set 2Rings Ø16/13mm

.21/.28



For 3.5/4.66cc OFF Road Engines

# Cylindrical



**41021**
Polished short set 2 rings version



**41020**
Polished long set 2 rings

# MANIFOLDS

# Cylindrical compact

# MANIFOLDS



**41029**
compact short headers
set 2 rings diameter:
16/13 mm, only for MBX6
Mugen Car



**41030**
compact long headers
set 2 rings diameter:
16/13 mm

## NOTE :

- Shorter exhaust gives less acceleration, but an increased topspeed.
- Longer exhaus gives more acceleration, but reduced top speed.

- Conical exhaust manifold:
  top speed higher, higher acceleration and higher fuel consumption.
- Exhaust manifold normal:
  top speed lower and lower fuel consumption.

## .21/.28



**41019**
Polished extra short
set 2 rings



**41001**
Polished medium
set 2 rings



**41005**
Polished long
set 2 rings

# one ring for Kyosho cars



**40003**
polished long set 1 ring
for Kyosho car



**40004**
polished short set
1 ring for Kyosho car

# .21/.28

## For 3.5/4.66cc On Road Engines

# MANIFOLDS



**41027**
polished long
set 2 rings



**41026**
black cylindrical
right/left exhaust set
2 rings for RT/PS version

# MANIFOLDS

## For 2.5cc On/Off Road Engines

.15

## 2.5cc ON ROAD



**40203**
Polished set 1 ring increased diameter.



**41204**
Polished short manifold for 2,5cc engines (2 ring mounting system).

## 2.5cc OFF ROAD



**40202**
Sand set 1 ring.



**40206**
Short black set for Traxxas compatible with Revo.

## TRAXXAS



**40207**
Black set for Traxxas compatible with T-Maxx.


OILS
MICROMOTORI
NOVAROSSI
NOVAROSSI
Technology

# OILS




**1M1**
Oil for engine maintance (50ml).




**1M2**
Synthetic Oil for engine maintance(50ml).



**30021**
Special airfilter oil.
(20ml.)




**1N1**
"Extra" castor oil to use in fuel blends (1lt.)




**1T2**
"Turbo 2" full-synthetic oil to use in fuel blends.
(1lt.)




**1T3**
"Turbo 3" semi-synthetic oil to use in fuel mixtures.
(1lt.)




# ACCESSORIES

## NOVAROSSI Technology

# ACCESSORIES

## Fast Fuel Gun




**37000**
New plastic fuel injektor

## Exhaust Gas Cooler



**36000**
Exhaust Gas Cooler
to increase runtime on 1 fueltank.
Useable with all engines.

## 1/10th Ins Box Set



**30004**
Ins-Box Set for 1/10 On Road
H38 with Noiseless, 4 Screws + 1 Filter.



**30013**
Ins-Box Set for 1/10 On Road
with Noiseless, 4 Screws + 1 Filter.

## 1/8th Ins Box Set



**30012**
Ins-Box Set for
1/8 On Road
with Noiseless,
4 Screws + 1 Filter.
T R I C O L O R E



Black
**30006**



Red
**30009**



White
**30010**



Green
**30011**

# Ball Bearing Extractor SET




**39609**
Ball Bearing Extractor set for 2,1cc engines, Ø 11-11,5,11,9.




**39014**
Ball Bearing Extractor set for
2,5/3,5/4,66 cc engines, Ø 13, 14, 14,5.

MICROMOTORI NOVAROSSI

# ACCESSORIES

**39015**
Complete Ball Bearing Extractor set
for 2,1/2,5/3,5/4,66 cc engines.




## OPTIONAL FOR LOWERED BALL BEARINGS



**39611**
Plier for 2,1 cc engines, Ø 11,9
**lowered** rear ball bearing.



**39018**
Plier for 3,5 cc engines, Ø 14,5
**lowered** rear ball bearing.



**39019**
Plier for 3,5 cc engines, Ø 14
**lowered** rear ball bearing.

# ACCESSORIES

## Digital Tachometer




**39011**
Digital tachometer for contact and foto measurements.

## Engine Temperature Measurement



**38000**
Infrared (non contact) engine temperature measurement system.

## Bearing Installation Tool



**39602**
For Ø 11,9mm bearings in 2,1cc engines.

**39601**
For Ø 11,5mm bearings in 2,1cc engines.

**39000**
For Ø 13mm bearings in 2,5cc and 3,5cc engines.

**39001**
For Ø 14mm bearings in 3,5cc engines.

**39002**
For Ø 14,5mm bearings in 3,5cc and 4,66cc engines.

**39600**
For Ø 11mm bearings in 2,1 cc engines.

## Caliber



**39010**
Digital NOVAROSSI caliber.



**39012**
Analog NOVAROSSI caliber.



# ON ROAD

## 24027
Aluminium 3,5cc
Carburettor with Fins
Compact Ø9mm for On-Road
Vir-Tus.21 engine.

# Optional Carburettor



## 24066
Plastic Carburettor 3,5cc Ø9mm
1 Adjustment Reverse with Reducer Ø6mm



## 24067
Plastic Carburettor 3,5cc Ø9mm
2 Adjustments Reverse with Reducer Ø6mm

# OFF ROAD

# Rear Cover

## 13025
Rear cover for 3.5 and 4,66cc
pull starter and roto starter
engines (long stroke and
square stroke).





Special rear cover for all engines
that improve performance.

## 13041
for crankshaft ø 14,5mm

## 13042
for crankshaft ø 14mm



MICROMOTORI NOVAROSSI

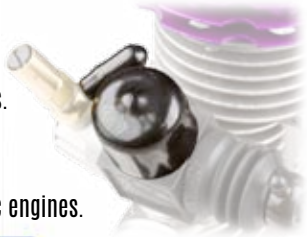
# ACCESSORIES



## Set of 'Safe Storage Plugs'

## 29064
For 2,10cc and 2,5cc engines.

## 29065
For 3,5cc and 4,66cc engines.





## Fuel Tube

## 35000
1 meter long
super strong
silicon fuel tube
ø 2,5 x 5,5 mm.

# ACCESSORIES



## 30005
Set of 3 air filters for 1:10th On-road, complete with airfilter oil. (1 filter with oil: 30000)

## 30008
Set of 3 air filters for 1:8th On-road, complete with airfilter oil. (1 filter with oil: 30000)

## Break-In



## 29062
Test and break-in set for 3,5 engines.

## Anti Dust Kit



## 29063
Anti dust kit to protect the front bearing on Off-road engines.

## Fuel Filter



## 34350
"Long" fuel filter made from aluminium, rebuildable.

## Air Filter Supprt



## 30022
Rubber 90° support for Off-road airfilters.

## Pipe Silicone Joint



## 23001
Pipe silicone joint 3,5/8,3cc.

## 23200
Pipe silicone joint 2,1/2,5cc.

## Brass Intake



## 25001
Demountable Brass intake.

## 25000
Brass Intake M4x0,5mm Hex 6mm.



## 25010
Aluminium support for aerial tube.


GADGETS
NOVAROSSI

# GADGETS

## T-Shirt




**6/14P**
T-Shirt DAMIER. Short Sleeve, with printed brand, 100% cotton, made in Italy.



**6/15P**
T-Shirt DAMIER. Short sleeve with printed brand, 100% cotton, made in Italy.

## T-Shirt

Front




**6/23P**
White T-shirt, short sleeve, with printed brand, 30th anniversary

Rear




Front




**6/53P**
Blue t-shirt, 27th anniversary, with printed brand.

Rear





# Woman Top

Front



Rear




**6/51P**
Woman top DAMIER. with printed brand, 100% cotton, made in Italy.

**6/41P**
NOVAROSSI woman top from 100% cotton with printed brand on front/back.

# GADGETS

## Polo




**6/03P**
NOVAROSSI short sleeve polo made from pure cotton. Printed brand on front and back.

## Shirt



**6/22P**
NOVAROSSI Blue shirt, short sleeve, plain colour with embroidered brand

# GADGETS

## Sweater




**6/45P**
NOVAROSSI sweater with long sleeves and embroidered brand.

## Fleece



**6/19P**
NOVAROSSI fleece with 2 pockets (with zip closure) and on the back the 3 brand.

## Husky



**6/48P**
NOVAROSI Husky with long sleeves with embroidered brand on both sides. Made from microfibers.

## Cardiff

Front



Rear




**6/47P**
NOVAROSSI Blue 'Cardiff' bodywarmer with embroidered brand on both sides.



# Sport Jacket

## 6/13P

Sport Jacket waterproof polyester, zipper and button closure, with embroidered brand. Folding and retractable hood, pockets with zip closure, adjustable cuffs with velcro. Detachable sleeves.






# GADGETS



# Rain Jacket

Transpiring waterproof rain jacket plotter printed. 100% resin treated polyester, with hood, 2 pockets, anti-slide Zip reflector, inner lining, made in Italy.

## Versions:

6/32P (OnRoad)
6/33P (OffRoad)



# Sneaker Shoes



6/01P



6/12P



6/11P

## Sneaker Shoes

- Waterproof paint, with embroidered brand
- Genuine leather and rubber sole
- Only upon request - made in Italy



6/21P

# Cap









## 6/29P

Red cap with embroidered brand.

# Patch

## 6/58P

NOVAROSSI patch (6x6cm)




MICROMOTORI NOVAROSSI

# GADGETS

# Pants



## Short





Side

## 6/57P

Long grey pants with zipper closure, six pockets, with embroidered brand. A zipper to turn it in shorts.

# GADGETS

## Apron



**6/52P**
Mechanic's apron, cotton/polyester, one size.

## Towel




**6/18P** NOVAROSSI 70x50cm towel.

## BAG




**6/17P**
Bag with zipper closer and printed brand on both sides (65x35x16cm).



# Shopper




## 6/61P

Blue shopper bag with print brand.

# Marsupium




## 6/02P

NOVAROSSI WORLD adjustable Marsupium. Double pockets with zip closure.

MICROMOTORI NOVAROSSI

# GADGETS

# Engine holder







## 6/07P

Aluminium engine holder for display use.

# Stickers




## 6/56P

Novarossi stickers

# GADGETS

## Pen



6/08P
NOVAROSSI Pen.

## Key cord




6/06P
NOVAROSSI Key cord blue colours.

## Lapel badge




6/36P
Golden plate lapel badge with printed brand.

## Key ring




6/35P
Silver key ring, with printed brand.




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Made in Italy