



V4 HEAD Monumental Achievement – Malossi

MALOSSI

4 STROKE

Monumental Achievement – Malossi

The first head for all Piaggio scooters that have a 4-stroke, liquid cooled engine with the following displacements: 125*cc, 180*cc, 200cc, 250cc, 300cc. With more than seventy applications and designed and developed to deliver great excitement, insures this head a brilliant future.

V4 HEAD



* This new head was developed to be used exclusively with Malossi cylinders for the displacements 125 cc–180 cc, while with all other displacements, this new head can be used with the original cylinders. The head is pre-assembled and ready for installation.

**Soaring scooter
performance
with a power
increase of
15%-25%**



Ports increase of 25%



**Intake Valve \varnothing 25 mm –
Exhaust Valve \varnothing 22.2 mm**



**Increase in combustion
chamber diameter:
from \varnothing 57 mm to \varnothing 64 mm**





**V4 PISTON Ø 74
PIN Ø 15
WITH 3 PISTON RINGS**

To couple Malossi V4
Head with cylinder
3111473

NB:
alternatively modify
the piston to suit it to
the original head

V4 HEAD

TECHNICAL SPECIFICATIONS:

- Head made of gravity-fed cast aluminium alloy, tempered and sandblasted, machined within thousandth (mm) tolerances utilizing super precise work cells.
- Exhaust and Intake valve springs made of Si-Cr oil-tempered and annealed steel, designed to operate optimally under increased loads due to increased engine power.
- Valve guides designed with new profile, made using a powdered metal sintering process (steel, phosphorous, carbon, copper and manganese).
- Valve seats made of cobalt-molybdenum steel alloy characterised by copper infiltration and a special heat/chemical treatment.
- Increased intake valve - Ø 25 mm, made of a special steel alloy and a special heat/chemical treatment.
- Increased exhaust valve - Ø 22.2 mm and made of Nimonic 80 material (Nickel, Chromium, Titanium, and Aluminium alloy).



4STROKE



**VALVE SPRINGS
MADE OF SI-CR
OIL-TEMPERED
AND ANNEALED
STEEL, DESIGNED
TO OPERATE
OPTIMALLY
UNDER
INCREASED
LOADS**

ALUMINIUM CYLINDER H₂O

Piaggio Engine	300	250	125 180 200
Bore Ø	75,5	74	74
Stroke mm	63	60	48,6
Displacement cc	282	258	209
Compression ratio	12,5:1	12,5:1	12,5:1

TECHNICAL SPECIFICATIONS

- Material: primary aluminium alloy with a high content of hardened and tempered silicon, cylinder liner with silicon carbide coating in a galvanic nickel die and crossed smoothing with two diamond passages with very limited tolerances.
- Machining: on machine tools with high precision numerical control.
- Cylinder-piston connection with an allowance of 0.05 mm.
- Recalculated and upgraded heat exchange surfaces.



PISTON

- Ultra compact with 3 rings.
- Material: special aluminium alloy with a high silicon content, low thermal expansion and a tin facing on the sliding surfaces.
- Machining on machine tools with numerical control.
- Lightened and reinforced.
- Upgraded heat exchange surfaces.



PISTON RINGS

- Special rings with high sliding ease and very high mechanical resistance.
- I° ring compression in nitrided and chromium steel.
- II° special cast iron ring.
- Three - piece scraper ring made of chromium-plated special steel alloy.



POWER CAM CAMSHAFT

Designed with the Cad-Cam system, built with very high precision machinery, and controlled 100% by measuring instruments with precision capability down to a tenth of a micron.



MALOSSİ

TESTS PERFORMED ON PIAGGIO 125 cc ENGINE

• ORIGINAL VEHICLE

• Ø 74 MALOSSI CYLINDER

• Ø 74 MALOSSI CYLINDER - POWER CAM DIGITRONIC ELECTRONIC CONTROL UNIT

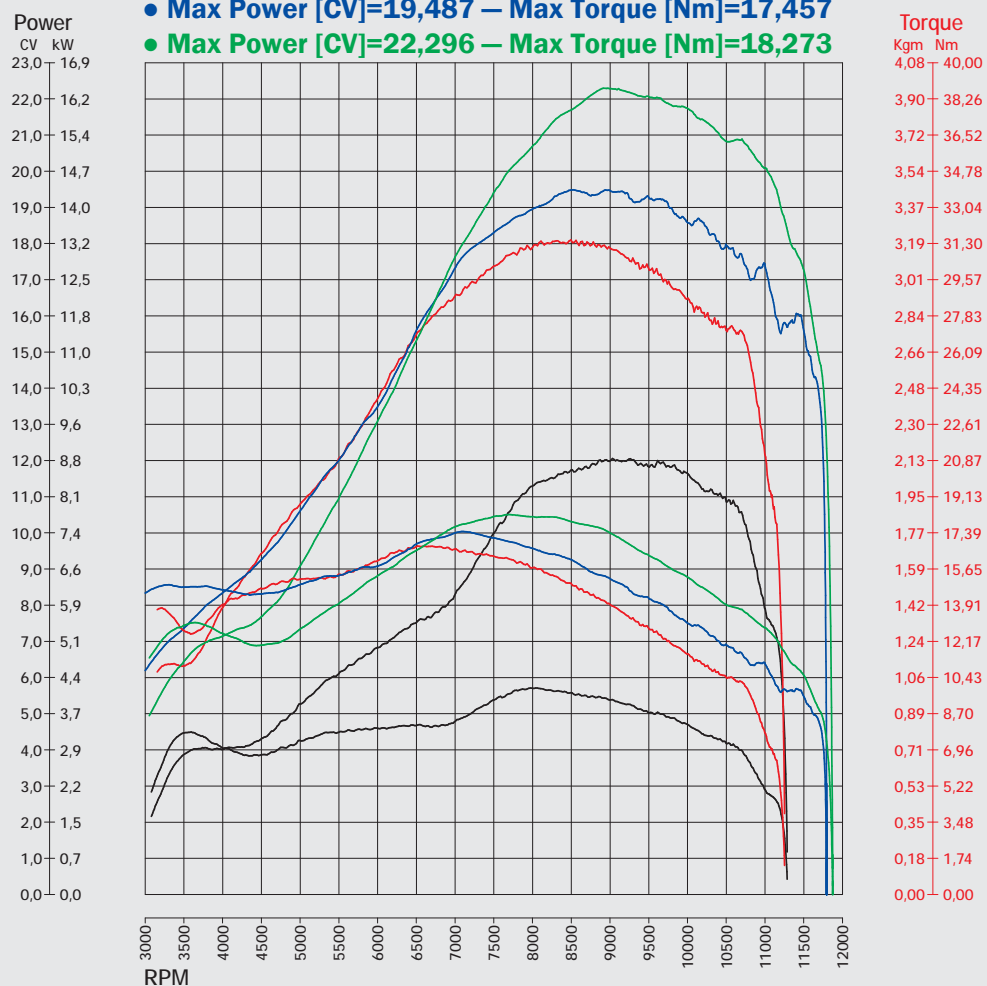
• Ø 74 MALOSSI CYLINDER - 4V HEAD POWER CAM - DIGITRONIC ELECTRONIC CONTROL UNIT

• Max Power [CV]=12,056 — Max Torque [Nm]=9,933

• Max Power [CV]=18,101 — Max Torque [Nm]=16,762

• Max Power [CV]=19,487 — Max Torque [Nm]=17,457

• Max Power [CV]=22,296 — Max Torque [Nm]=18,273



TESTS PERFORMED ON PIAGGIO 200 cc ENGINE

• ORIGINAL VEHICLE

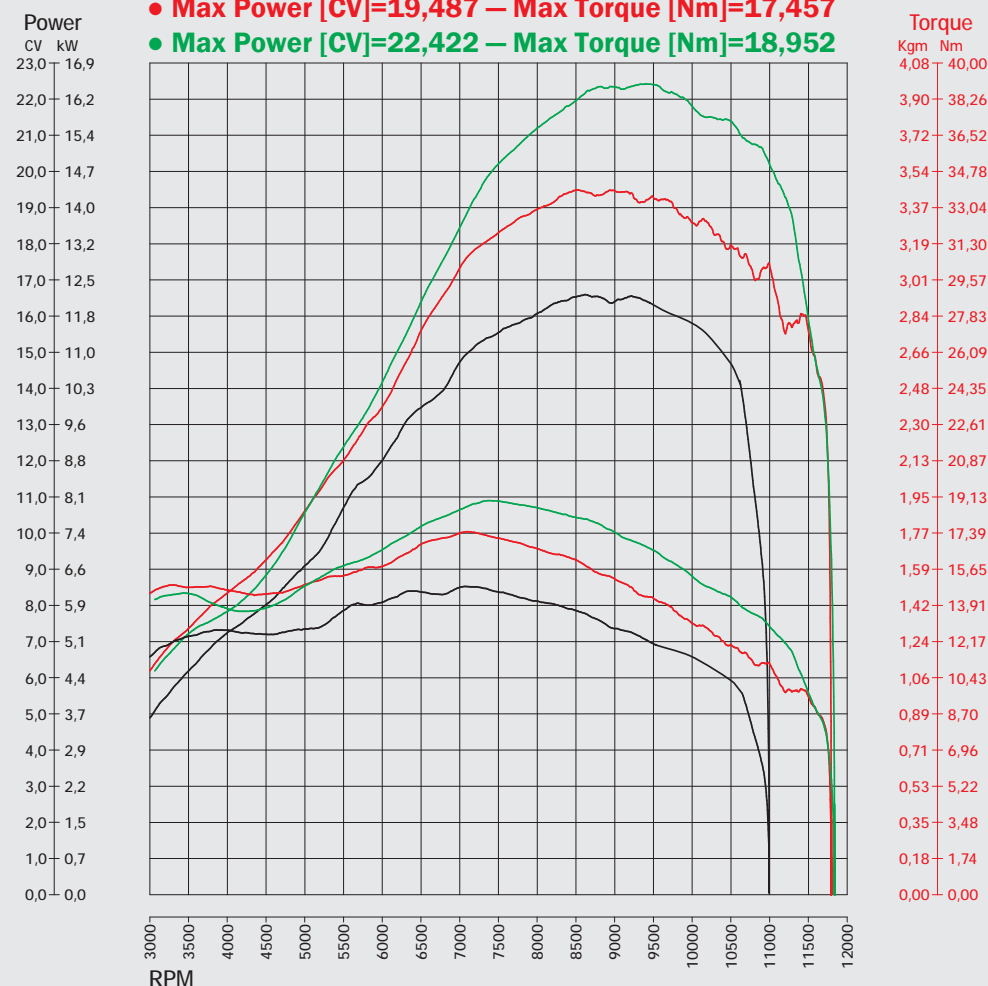
• Ø 74 MALOSSI CYLINDER - POWER CAM

• Ø 74 MALOSSI CYLINDER - 4V HEAD - POWER CAM

• Max Power [CV]=16,595 — Max Torque [Nm]=14,823

• Max Power [CV]=19,487 — Max Torque [Nm]=17,457

• Max Power [CV]=22,422 — Max Torque [Nm]=18,952



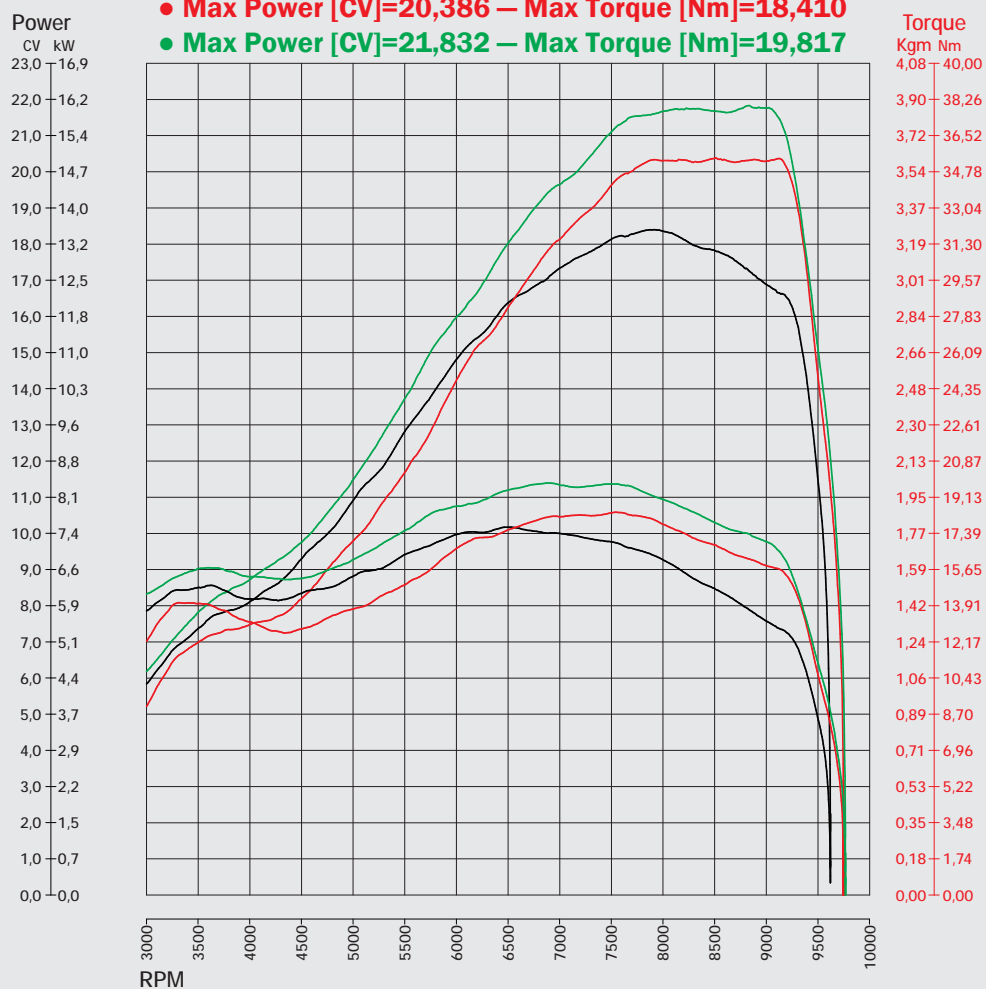
TESTS PERFORMED ON PIAGGIO 250 cc ENGINE

• ORIGINAL VEHICLE

• 4V HEAD

• Ø 74 MALOSSİ CYLINDER - 4V HEAD

- Max Power [CV]=18,399 — Max Torque [Nm]=17,693
- Max Power [CV]=20,386 — Max Torque [Nm]=18,410
- Max Power [CV]=21,832 — Max Torque [Nm]=19,817



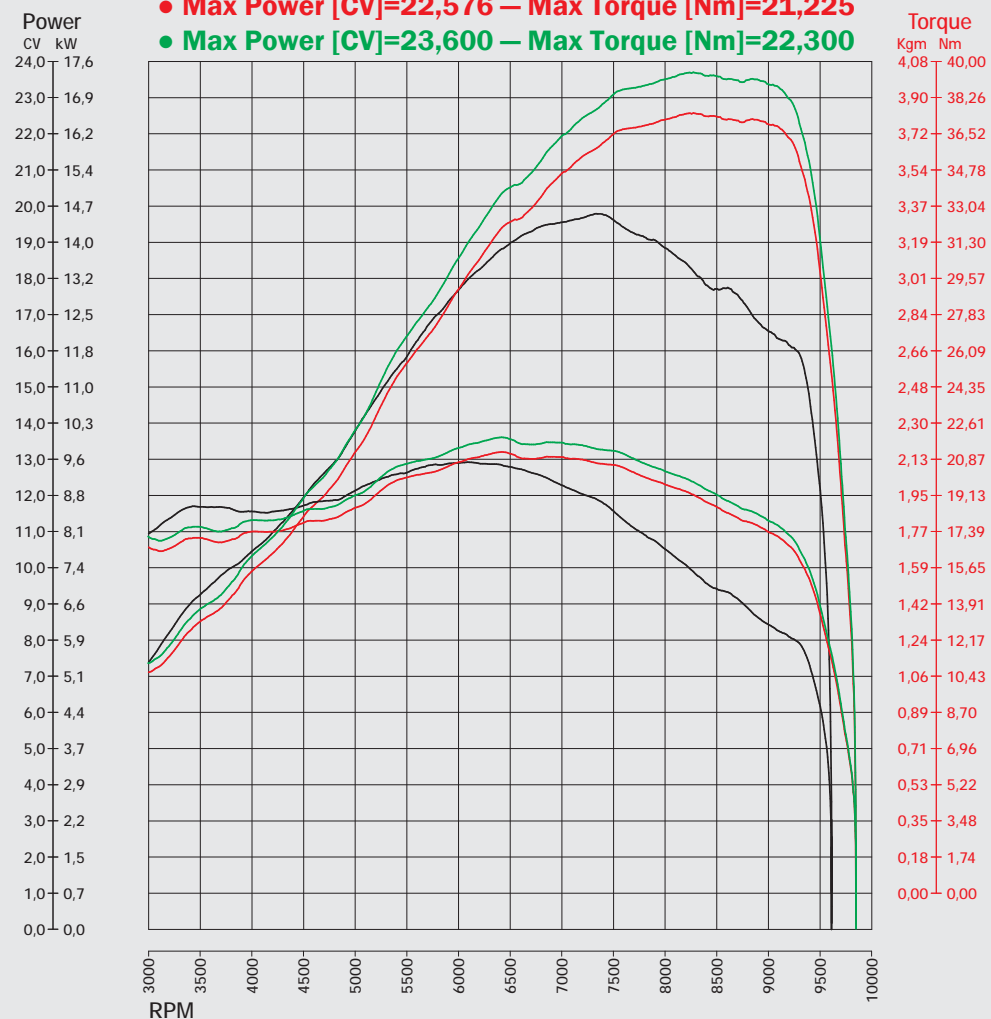
TESTS PERFORMED ON PIAGGIO 300 cc ENGINE

• ORIGINAL VEHICLE

• 4V HEAD

• Ø 75,5 MALOSSİ CYLINDER - 4V HEAD

- Max Power [CV]=19,793 — Max Torque [Nm]=20,732
- Max Power [CV]=22,576 — Max Torque [Nm]=21,225
- Max Power [CV]=23,600 — Max Torque [Nm]=22,300





4 STROKE VALVES AND SPINGS FOR ORIGINAL HEAD

Intake Valves
Exhaust Valves

- 1) Improved flow design for maximum performance at all RPMs.
- 2) Manufactured using special anti-magnetic stainless steel.
- 3) Wear resistant chrome plated valve stems.
- 4) Increased valve diameter.
- 5) Precision manufactured to exacting tolerances.
- 6) Valves machined ground.



4 STROKE CRANKSHAFTS PIN Ø 15

Technical features

- Carrillo double T connecting rod
- Circular flywheel
- Carburized steels, completely grinded within closest tolerance
- Weights and adjustments calculated to optimize efficiency and rpm for both the most common engines and extreme racing ones.



SECONDARY GEARS HTQ Z 17/49

Designed and built with straight teeth to minimise losses through friction and stress on the supports.

RS24
MALOSSI
racing suspensions®



TWINS MAXI SUSPENSIONS COMFORT & SAFETY

Technical data

- Type: oil-pneumatic
- Use: road
- Shock absorber rod d. 12mm in C48 steel-hardened and tempered
- Piston in steel and sintered bronze
- New laminar system in Swedish steel
- LUBRIFLON-PTFE B70 piston guide shoe (bronze-loaded modified compound)
- Sliding on DU GUIDE bush (compound obtained by sinterization of a layer of spheroidal bronze on a strap of suitably shaped lowcarbon steel with subsequent impregnation and coating with a PTFE + FB mixture)
- SEALTHANE 9345 grade polyester resin scraper ring
- Regulation of spring preloading by means of ring nut with 4 positions
- Special low-viscosity oil, practically unaffected by temperature changes



RED CHILLI oil filter

- Quality of the filtering media, unalterable in time, and insensitive to rapid temperature changes starting at 20° C below zero to the most elevated operational temperatures.
- Ability to filter infinitely small metallic particles and trap a greater quantity of harmful larger contaminants, in virtue of the special micro-porosity filtering media itself and its high capacity.



RED SPONGE

Self-extinguishing, expanding polyurethane filter elements with an increased air and filtering capacity.

Characteristics:

- Increased thickness with calculated porosity.
- Optimum filtering characteristics when dry which can be improved by moistening with Malossi 7.1 oil.



DIGITRONIC ELECTRONIC DIGITAL CONTROLLER

FOR VEHICLES WITH AND WITHOUT IMMOBILIZER

Digital electronic coil featuring a timing advance map in memory on the microprocessor. Timing advance map controlled by 16 break points. Controls choke automatically based on engine temperature.



Multivar

When the technology makes the difference.

Multivar: the sport transmission with the racing acceleration that can't be beat!

A jewel to mount on your maxi-scooter. Too bad it can't be displayed, it is so perfect!

Designed by engineers with great experience, produced entirely in the Malossi factory, utilizing robots with the highest precision.

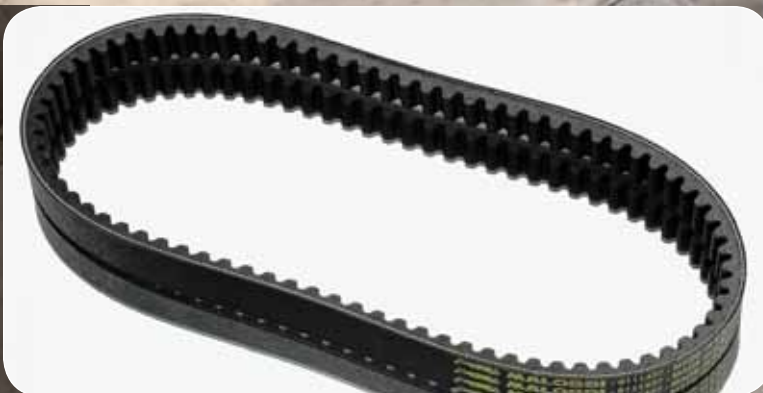


ROLLER HTRoll Ø 20X17



Kevlar^X Belt

The standards are continually being raised and the challenge for perfection knows no limit. Now besides the Special Belt and the Kevlar Belt, champions of durability and performance, Malossi introduces two new players to the field... the X Kevlar Belt and the X Special Belt.



200 - 300 cc



TORQUE DRIVER

This component called Torque Driver for its specific function of determining the exact shifting moment, was calculated to give the vehicle the maximum possible acceleration in connection with the specific power of any single engine.

125 cc



MAXI DELTA CLUTCH ®

Automatic clutch with variable adjustments

Clutches have friction material without asbestos and with patented adjusting system.

MAXI DELTA CLUTCH allows from 3 to 9 different adjustments simply working on three fixing screws, and from 9 to 27 changing the setting springs and shoes, according to the model of the vehicle. It obtains high r.p.m. at the moment of traction to give excellent initial acceleration.

Maxi Delta Clutch is marketed with a sport tune-up, coupled with a range of optional accessories that allow a race setting at the highest levels.



RACING CLUTCH SPRING SET



MALLOSI



APRILIA									
ATLANTIC - Arrecife	ATLANTIC	ATLANTIC - Arrecife	SCARABEO	SCARABEO	SCARABEO Light ie 2007->	SCARABEO Special ie euro 3	SPORTCITY	SPORTCITY euro 3	
	(PIAGGIO M234M)	(PIAGGIO M237M)	(PIAGGIO)	(PIAGGIO M285M)		(PIAGGIO M28RM)	(PIAGGIO M281M)	(PIAGGIO M288M)	
125 4T	LC	200 4T	LC	250 4T	LC	125 4T	LC	250 4T	LC










	V4 HEAD FOR ORIGINAL CYLINDER	*D5*	3813273 *L6*	3813273	*D5*	3813273	3813273	3813273	*D5*	3813273 *L6*
	CYLINDER ALUMINIUM ø 74 - ø 75,5	3111473 *L6* ø 74	3111473 *L6* ø 74	3113928 ø 74	3111473 *L6* ø 74	3113928 ø 74	3113928 ø 74	3113958 ø 75,5	3111473 *L6* ø 74	3111473 *L6* ø 74
	POWER CAM CAMSHAFT	*L1*	5911962	-	*L1*	-	-	-	*L1*	5911962
	CYLINDER+HEAD V4 ALUMINIUM ø 74	-	-	3113927	-	3113927	3113927	-	-	-
	CYLINDER+HEAD V4 +POWER CAM ALUMINIUM ø 74	3113914	3113914	-	3113914	-	-	-	3113914	3113914
	4 STROKE VALVE KIT VALVE - FOR ORIGINAL HEAD	2712996	2712996	2712996	2712996	2712996	2712996	2712996	2712996	2712996
	SPRINGS FOR ENGINE VALVES	2912834	2912834	2912834	2912834	2912834	2912834	2912834	2912834	2912834
	RHQ CRANKSHAFT	5312853	5312896	-	5312853	-	-	-	5312853	5312896
	HTQ GEARS SECONDARY	6712067 <i>z 15/41</i>	6711860 <i>z 16/42</i>	-	6712194 <i>z 17/49</i>	-	-	-	6712194 <i>z 17/49</i>	6712194 <i>z 17/49</i>
	MULTIVAR 2000 VARIATOR	5111397	5111885	5111885	5111397	5111885	5111885	5111885	5111397	5111885
	KEVLAR BELT / X KEVLAR RED BELT	6111437	6112854	6113027	6113146	6112855	6112855	6112855	6113146	6113128
	TORQUE DRIVER MOBILE DRIVEN SPLIT PULLEY	6111656	6112563 <i>2003-></i>	6112563	6111656	6112563	6112563	6112563	6111656	6112563

N.B.: ***L6*** - TO FIT the CYLINDER 3111473 with MALOSSI HEAD 3813273 REPLACE THE PISTON with : 3414086.

D5 - 3813273 : V4 HEAD TO BE ASSEMBLED ONLY with Malossi CYLINDER.

L1 - 5911962 : ONLY for MALOSSI CYLINDERS .



APRILIA										
ATLANTIC - Arrecife	ATLANTIC	ATLANTIC - Arrecife	SCARABEO	SCARABEO	SCARABEO Light ie 2007->	SCARABEO Special ie euro 3	SPORTCITY	SPORTCITY euro 3		
	(PIAGGIO M234M)	(PIAGGIO M237M)	(PIAGGIO)	(PIAGGIO M285M)		(PIAGGIO M28RM)	(PIAGGIO M281M)	(PIAGGIO M288M)		
125 4T LC	200 4T LC	250 4T LC	125 4T LC	250 4T LC	250 4T LC	300 4T LC	125 4T LC	200 4T LC		
	MAXI DELTA CLUTCH ADJUSTABLE CLUTCH	5211821	5211821	5211821	5211821	5211821	5211821	5211821	5211821	5211821
	SPRINGS FOR MAXI DELTA CLUTCH	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326
	SPRINGS FOR ORIGINAL CLUTCH	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326
	MAXI CLUTCH BELL CLUTCH BELL ø 134	7714317	7714317	7714317	7714317	7714317	7714317	7714317	7714317	7714317
	CARBURETTOR KIT PHF 34 MHR	-	-	-	-	-	-	-	-	-
	RED SPONGE FOR ORIGINAL FILTER BOX	1412129	1412129	1412129	-	-	1412129	-	1412129	1412129
	RED CHILLI OIL FILTER	0313382	0313382	0313382	0313382	0313382	0313382	0313382	0313382	0313382
	DIGITRONIC COIL FOR VEHICLES WITHOUT IMMOBILIZER	5512524	5512524	-	5512524	-	-	-	5512524	5512524
	DIGITRONIC COIL FOR VEHICLES WITH IMMOBILIZER	5512341	5512341	-	5512341	-	-	-	5512341	5512341
	TWINS pair shock absorbers REAR	-	-	-	-	-	-	4613183	4613183	4613183
	F32S FORK KIT	-	-	-	-	-	-	-	-	-
	F36R FORK KIT	-	-	-	-	-	-	-	-	-
	WHOOP DISC FRONT BRAKE DISC	-	-	-	6212350	6212350	-	6212350	6212350	6212350
	WHOOP DISC REAR BRAKE DISC	-	-	-	-	-	-	6212348	6212348	6212348



APRILIA		BENELLI	DERBI				GILERA	
SPORTCITY ie euro 3	SPORTCITY CUBE ie euro 3	ADIVA AD euro 2	GP1 euro 2-3	GP1 euro 2-3	RAMBLA euro 3	RAMBLA euro 3	DNA	DNA
(PIAGGIO M288M)	(LEADER M28LM)				(PIAGGIO M287M)			
250 4T	300 4T	250 4T	125 4T	250 4T	125 4T	250 4T	125 4T	180 4T
LC	LC	LC	LC	LC	LC	LC	LC	LC

	V4 HEAD FOR ORIGINAL CYLINDER	3813273	3813273	3813273	*D5*	3813273	*D5*	3813273	*D5*	3813273 *L6*
	CYLINDER ALUMINIUM $\varnothing 74 - \varnothing 75,5$	3113928	3113958	3113928	3111473 *L6*	3113928	3111473 *L6*	3113928	3111473 *L6*	3111473 *L6*
	POWER CAM CAMSHAFT	-	-	-	*L1*	-	*L1*	-	*L1*	5911962
	CYLINDER+HEAD V4 ALUMINIUM $\varnothing 74$	3113927	-	3113927	-	3113927	-	3113927	-	-
	CYLINDER+HEAD V4 +POWER CAM ALUMINIUM $\varnothing 74$	-	-	-	3113914	-	3113914	-	3113914	3113914
	4 STROKE VALVE KIT VALVE - FOR ORIGINAL HEAD	2712996	2712996	2712996	2712996	2712996	2712996	2712996	2712996	2712996
	SPRINGS FOR ENGINE VALVES	2912834	2912834	2912834	2912834	2912834	2912834	2912834	2912834	2912834
	RHQ CRANKSHAFT	-	-	-	5312853	-	5312853	-	5312853	5312896
	HTQ GEARS SECONDARY	-	-	-	-	-	6712194 z 17/49	-	6712067 z 15/41	6712067 z 15/41
	MULTIVAR 2000 VARIATOR	5111885	5111885	5111885	5111397	5111885	5111397	5111885	5111397	5111594
	KEVLAR BELT / X KEVLAR BELT BELT	6112855	6112855	-	-	-	6113146	6112855	6111437	-
	TORQUE DRIVER MOBILE DRIVEN SPLIT PULLEY	6112563	6112563	6112563	6111656	6112563	6111656	6112563	6111656	6111656

N.B.: *L6* - TO FIT the CYLINDER 3111473 with MALOSSI HEAD 3813273 REPLACE THE PISTON with : 3414086.

D5 - 3813273 : V4 HEAD TO BE ASSEMBLED ONLY with Malossi CYLINDER.

L1 - 5911962 : ONLY for MALOSSI CYLINDERS .



		APRILIA		BENELLI	DERBI				GILERA	
		SPORTCITY ie euro 3	SPORTCITY CUBE ie euro 3	ADIVA AD euro 2	GP1 euro 2-3	GP1 euro 2-3	RAMBLA euro 3	RAMBLA euro 3	DNA	DNA
		(PIAGGIO M288M)	(LEADER M28LM)				(PIAGGIO M287M)			
		250 4T LC	300 4T LC	250 4T LC	125 4T LC	250 4T LC	125 4T LC	250 4T LC	125 4T LC	180 4T LC
	MAXI DELTA CLUTCH ADJUSTABLE CLUTCH	5211821	5211821	5211821	5211821	5211821	5211821	5211821	5211821	5211821
	SPRINGS FOR MAXI DELTA CLUTCH	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326
	SPRINGS FOR ORIGINAL CLUTCH	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326
	MAXI CLUTCH BELL CLUTCH BELL ø 134	7714317	7714317	7714317	7714317	7714317	7714317	7714317	7714317	7714317
	CARBURETTOR KIT PHF 34 MHR	-	-	-	1612265	-	-	-	1612265	1612265
	RED SPONGE FOR ORIGINAL FILTER BOX	1412129	1412129	-	1412129	-	1412129	1412129	1411839	1411839
	RED CHILLI OIL FILTER	0313382	0313382	0313382	0313382	0313382	0313382	0313382	0313382	0313382
	DIGITRONIC COIL FOR VEHICLES WITHOUT IMMOBILIZER	-	-	-	-	-	5512524	-	5512524	5512524
	DIGITRONIC COIL FOR VEHICLES WITH IMMOBILIZER	-	-	-	5512341	-	5512341	-	5512341	5512341
	TWINS pair shock absorbers REAR	4613183	4613183	-	-	-	4613183	4613183	-	-
	F32S FORK KIT	-	-	-	-	-	-	-	-	-
	F36R FORK KIT	-	-	-	-	-	-	-	-	-
	WHOOOP DISC FRONT BRAKE DISC	6212350	6212350	-	-	-	6212350	6212350	6212351 2000->	6212351 2001->
	WHOOOP DISC REAR BRAKE DISC	6212348	6212348	-	-	-	6212348	6212348	-	-

N.B.: *L6* - TO FIT the CYLINDER 3111473 with MALOSSI HEAD 3813273 REPLACE THE PISTON with : 3414086.
 C1 - I-TECH cylinder: EQUIPPED WITH CDI, TO FIT the CYLINDER 3114537 with MALOSSI HEAD 3813273 REPLACE THE PISTON with : 3414086.

L1 - 5911962 : ONLY for MALOSSI CYLINDERS .



GILERA										
	NEXUS euro 3	NEXUS ie euro 3	NEXUS ie euro 3	NEXUS ie euro 3	RUNNER VX <-2005	RUNNER VX 2006->	RUNNER VXR	RUNNER VXR <-2005	RUNNER VXR 2006->	
	125 4T LC	125 4T LC	250 4T LC	300 4T LC	125 4T LC	125 4T LC	180 4T LC	200 4T LC	200 4T LC	
	MAXI DELTA CLUTCH ADJUSTABLE CLUTCH	5211821	5211821	5211821	5211821	5211821	5211821	5211821	5211821	5211821
	SPRINGS FOR MAXI DELTA CLUTCH	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326
	SPRINGS FOR ORIGINAL CLUTCH	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326
	MAXI CLUTCH BELL CLUTCH BELL ø 134	7714317	7714317	7714317	7714317	7714317	7714317	7714317	7714317	7714317
	CARBURETTOR KIT PHF 34 MHR	-	-	-	-	1612265	1612265	1612265	1612265	1612265
	RED SPONGE FOR ORIGINAL FILTER BOX	1412129	1412129	1412129	1412129	1411839	1412129	1411839	1412129	1412129
	RED CHILLI OIL FILTER	0313382	0313382	0313382	0313382	0313382	0313382	0313382	0313382	0313382
	DIGITRONIC COIL FOR VEHICLES WITHOUT IMMOBILIZER	5512524	-	-	-	5512524	5512524	5512524	5512524	-
	DIGITRONIC COIL FOR VEHICLES WITH IMMOBILIZER	5512341	-	-	-	5512341	5512341	5512341	5512341	5512341
	TWINS pair shock absorbers REAR	-	-	-	-	-	-	-	-	-
	F32S FORK KIT	-	-	-	-	46 9627	4613086	46 9627	46 9627	4613086
	F36R FORK KIT	-	-	-	-	4613062	4613090	4613062	4613062	4613090
	WHOOOP DISC FRONT BRAKE DISC	6212352	6212352	6212352	6212352	6212929 2001->	-	6212929 2001->	6212929	-
	WHOOOP DISC REAR BRAKE DISC	6212351	6212351	6212351	6212351	-	-	-	-	-



MALAGUTI							PEUGEOT	
MADISON 3	MADISON	MADISON	MADISON 3	MADISON RS	PHANTOM MAX	PHANTOM MAX	GEOPOLIS ie euro 3	GeoRS ie euro 3
(PIAGGIO)	(PIAGGIO)	(PIAGGIO)	(PIAGGIO)	(PIAGGIO M237M)	(PIAGGIO)	(PIAGGIO M361M)		(PIAGGIO M28MM)
125 4T LC	180 4T LC	200 4T LC	250 4T LC	250 4T LC	200 4T LC	250 4T LC	250 4T LC	300 4T LC










	V4 HEAD FOR ORIGINAL CYLINDER	*D5*	3813273 *L6*	3813273 *L6*	3813273	3813273	3813273 *L6*	3813273	3813273	3813273
	CYLINDER ALUMINIUM ø 74 - ø 75,5	3111473 *L6* ø 74	3111473 *L6* ø 74	3111473 *L6* ø 74	3113928 ø 74	3113928 ø 74	3111473 *L6* ø 74	3113928 ø 74	3113928 ø 74	3113958 ø 75,5
	POWER CAM CAMSHAFT	*L1*	5911962	5911962	-	-	5911962	-	-	-
	CYLINDER+HEAD V4 ALUMINIUM ø 74	-	-	-	3113927	3113927	-	3113927	3113927	-
	CYLINDER+HEAD V4 +POWER CAM ALUMINIUM ø 74	3113914	3113914	3113914	-	-	3113914	-	-	-
	4 STROKE VALVE KIT VALVE - FOR ORIGINAL HEAD	2712996	2712996	2712996	2712996	2712996	2712996	2712996	2712996	2712996
	SPRINGS FOR ENGINE VALVES	2912834	2912834	2912834	2912834	2912834	2912834	2912834	2912834	2912834
	RHQ CRANKSHAFT	5312853	5312896	5312896	-	-	5312896	-	-	-
	HTQ GEARS SECONDARY	6711860 z 16/42	6711860 z 16/42	6711860 z 16/42	-	-	6711860 z 16/42	-	-	-
	MULTIVAR 2000 VARIATOR	5111397	5111594	5111885	5111885	5111885	5111885	5111885	5111885	5111885
	KEVLAR BELT / X KEVLAR BELT BELT	6111437	6112854	6112854	6113027	6113027	6112854	6113027	6112855	6112855
	TORQUE DRIVER MOBILE DRIVEN SPLIT PULLEY	6111656	6111656	6112563 2003->	6112563	6112563	6112563	6112563	6112563	6112563

N.B.: ***L6*** - TO FIT the CYLINDER 3111473 with MALOSSI HEAD 3813273 REPLACE THE PISTON with : 3414086.

D5 - 3813273 : V4 HEAD TO BE ASSEMBLED ONLY with Malossi CYLINDER.

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MALAGUTI								PEUGEOT	
MADISON 3	MADISON	MADISON	MADISON 3	MADISON RS	PHANTOM MAX	PHANTOM MAX		GEOPOLIS ie euro 3	GeoRS ie euro 3
(PIAGGIO)	(PIAGGIO)	(PIAGGIO)	(PIAGGIO)	(PIAGGIO M237M)	(PIAGGIO)	(PIAGGIO M361M)			(PIAGGIO M28MM)
125 4T LC	180 4T LC	200 4T LC	250 4T LC	250 4T LC	200 4T LC	250 4T LC		250 4T LC	300 4T LC
	MAXI DELTA CLUTCH ADJUSTABLE CLUTCH	5211821	5211821	5211821	5211821	5211821	5211821	5211821	5211821
	SPRINGS FOR MAXI DELTA CLUTCH	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326
	SPRINGS FOR ORIGINAL CLUTCH	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326
	MAXI CLUTCH BELL CLUTCH BELL ø 134	7714317	7714317	7714317	7714317	7714317	7714317	-	7714317
	CARBURETTOR KIT PHF 34 MHR	-	-	-	-	-	-	-	-
	RED SPONGE FOR ORIGINAL FILTER BOX	1412129	-	-	1412129	1412129	1412129	-	1412129
	RED CHILLI OIL FILTER	0313382	0313382	0313382	0313382	0313382	0313382	0313382	0313382
	DIGITRONIC COIL FOR VEHICLES WITHOUT IMMOBILIZER	5512524	5512524	5512524	-	-	5512524	-	-
	DIGITRONIC COIL FOR VEHICLES WITH IMMOBILIZER	5512341	5512341	5512341	-	-	5512341	-	-
	TWINS pair shock absorbers REAR	4613167	4613167	4613167	-	-	4613167	4613167	-
	F32S FORK KIT	-	-	-	-	-	-	-	-
	F36R FORK KIT	-	-	-	-	-	-	-	-
	WHOOOP DISC FRONT BRAKE DISC	-	6212349 2001->	-	-	6212349	6212349	6212349	-
	WHOOOP DISC REAR BRAKE DISC	-	6212349 2001->	-	-	6212349	6212349	6212349	-



PEUGEOT	PIAGGIO							
SATELIS euro 3	BEVERLY	BEVERLY ie euro 3	BEVERLY	BEVERLY euro 1-2	BEVERLY ie euro 3	BEVERLY S ie euro 3	BEVERLY ie euro 3	BEVERLY 2010 ie euro 3
		(QUASAR)		(M285M)			(M28MM)	(M692M)
250 4T LC	125 4T LC	125 4T LC	200 4T LC	250 4T LC	250 4T LC	250 4T LC	300 4T LC	300 4T LC

	V4 HEAD FOR ORIGINAL CYLINDER	3813273	*D5*	*D5*	3813273 *L6*	3813273	3813273	3813273	3813273	3813273
	CYLINDER ALUMINIUM ø 74 - ø 75,5	3113928 ø 74	3111473 *L6* ø 74	3114537 *C1* ø 74	3111473 *L6* ø 74	3113928 ø 74	3113928 ø 74	3113928 ø 74	3113958 ø 75,5	3113958 ø 75,5
	POWER CAM CAMSHAFT	-	*L1*	*L1*	5911962	-	-	-	-	-
	CYLINDER+HEAD V4 ALUMINIUM ø 74	3113927	-	-	-	3113927	3113927	3113927	-	-
	CYLINDER+HEAD V4 +POWER CAM ALUMINIUM ø 74	-	3113914	-	3113914	-	-	-	-	-
	4 STROKE VALVE KIT VALVE - FOR ORIGINAL HEAD	2712996	2712996	-	2712996	2712996	2712996	2712996	2712996	2712996
	SPRINGS FOR ENGINE VALVES	2912834	2912834	2912834	2912834	2912834	2912834	2912834	2912834	2912834
	RHQ CRANKSHAFT	-	5312853	-	5312896	-	-	-	-	-
	HTQ GEARS SECONDARY	-	6712194 z 17/49	-	6712194 z 17/49	-	-	-	-	-
	MULTIVAR 2000 VARIATOR	5111885	5111397	5111397	5111885	5111885	5111885	5111885	5111885	5111885
	KEVLAR BELT / X KEVLAR BELT BELT	6113027	6113146	6113146	6113128	6112855	6112855	6112855	6112855	6112855
	TORQUE DRIVER MOBILE DRIVEN SPLIT PULLEY	6112563	6111656	6111656	6112563 2003->	6112563	6112563	6112563	6112563	6112563

N.B.:

- *L6* - TO FIT the CYLINDER 3111473 with MALOSSİ HEAD 3813273 REPLACE THE PISTON with : 3414086.
- *C1* - I-TECH cylinder: EQUIPPED WITH CDI, TO FIT the CYLINDER 3114537 with MALOSSİ HEAD 3813273 REPLACE THE PISTON with : 3414086.
- *D5* - 3813273 : V4 HEAD TO BE ASSEMBLED ONLY with Malossi CYLINDER.
- *L1* - 5911962 : ONLY for MALOSSİ CYLINDERS .



PEUGEOT		PIAGGIO								
SATELIS euro 3		BEVERLY	BEVERLY ie euro 3	BEVERLY	BEVERLY euro 1-2	BEVERLY ie euro 3	BEVERLY S ie euro 3	BEVERLY ie euro 3	BEVERLY 2010 ie euro 3	
			(QUASAR)		(M285M)			(M28MM)	(M692M)	
250 4T LC		125 4T LC	125 4T LC	200 4T LC	250 4T LC	250 4T LC	250 4T LC	300 4T LC	300 4T LC	
	MAXI DELTA CLUTCH ADJUSTABLE CLUTCH	5211821	5211821	5211821	5211821	5211821	5211821	5211821	5211821	5211821
	SPRINGS FOR MAXI DELTA CLUTCH	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326
	SPRINGS FOR ORIGINAL CLUTCH	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326
	MAXI CLUTCH BELL CLUTCH BELL \varnothing 134	-	7714317	7714317	7714317	7714317	7714317	7714317	7714317	7714317
	CARBURETTOR KIT PHF 34 MHR	-	-	-	-	-	-	-	-	-
	RED SPONGE FOR ORIGINAL FILTER BOX	-	1412129	1412129	1412129	1412129	-	-	-	-
	RED CHILLI OIL FILTER	0313382	0313382	0313382	0313382	0313382	0313382	0313382	0313382	0313382
	DIGITRONIC COIL FOR VEHICLES WITHOUT IMMOBILIZER	-	5512524	-	5512524	-	-	-	-	-
	DIGITRONIC COIL FOR VEHICLES WITH IMMOBILIZER	-	5512341	-	5512341	-	-	-	-	-
	TWINS pair shock absorbers REAR	-	4613183	4613183	4613183	4613183	4613183	4613183	4613183	4613183
	F32S FORK KIT	-	-	-	-	-	-	-	-	-
	F36R FORK KIT	-	-	-	-	-	-	-	-	-
	WHOOOP DISC FRONT BRAKE DISC	-	6212352	-	6212352	6212352	6212352	6212352	6212352	-
	WHOOOP DISC REAR BRAKE DISC	-	6212352	-	6212352	6212352	6212352	6212352	6212352	-



PIAGGIO									
CARNABY euro 3	CARNABY euro 3	CARNABY ie euro 3	SUPER HEXAGON GTX	SUPER HEXAGON GTX	MP3 euro 3	MP3 ie euro 3	MP3 ie euro 3	X7 euro 3	
(LEADER M28FM)	(LEADER M601M)	(QUASAR)			(LEADER)	(QUASAR M472M)	(QUASAR M634M)	(LEADER)	
125 4T	200 4T	300 4T	125 4T	180 4T	125 4T	250 4T	300 4T	125 4T	
LC	LC	LC	LC	LC	LC	LC	LC	LC	LC

	V4 HEAD FOR ORIGINAL CYLINDER	*D5*	3813273 *L6*	3813273	*D5*	3813273 *L6*	*D5*	3813273	3813273	*D5*
	CYLINDER ALUMINIUM ø 74 - ø 75,5	3111473 *L6* ø 74	3111473 *L6* ø 74	3113958 ø 75,5	3111473 *L6* ø 74	3111473 *L6* ø 74	3111473 *L6* ø 74	3113928 ø 74	3113958 ø 75,5	3111473 *L6* ø 74
	POWER CAM CAMSHAFT	*L1*	5911962	-	*L1*	5911962	*L1*	-	-	*L1*
	CYLINDER+HEAD V4 ALUMINIUM ø 74	-	-	-	-	-	-	3113927	-	-
	CYLINDER+HEAD V4 +POWER CAM ALUMINIUM ø 74	3113914	3113914	-	3113914	3113914	3113914	-	-	3113914
	4 STROKE VALVE KIT VALVE - FOR ORIGINAL HEAD	2712996	2712996	2712996	2712996	2712996	2712996	2712996	2712996	2712996
	SPRINGS FOR ENGINE VALVES	2912834	2912834	2912834	2912834	2912834	2912834	2912834	2912834	2912834
	RHQ CRANKSHAFT	5312853	5312896	-	5312853	5312896	5312853	-	-	5312853
	HTQ GEARS SECONDARY	6712194 <i>z 17/49</i>	-	-	6711860 <i>z 16/42</i>	6711860 <i>z 16/42</i>	6712067 <i>z 15/41</i>	-	-	6712067 <i>z 15/41</i>
	MULTIVAR 2000 VARIATOR	5111397	5111885	5111885	5111397	5111594	5111397	5111885	5111885	5111397
	KEVLAR BELT / X KEVLAR BELT BELT	6113146	6113128	6113128	6111437	6112854	6111437	6113027	6113027	6111437
	TORQUE DRIVER MOBILE DRIVEN SPLIT PULLEY	6111656	6112563	6112563	6111656	6111656	6111656	6112563	6112563	6111656

N.B.: ***L6*** - TO FIT the CYLINDER 3111473 with MALOSSI HEAD 3813273 REPLACE THE PISTON with : 3414086.

D5 - 3813273 : V4 HEAD TO BE ASSEMBLED ONLY with Malossi CYLINDER.

L1 - 5911962 : ONLY for MALOSSI CYLINDERS .



PIAGGIO										
	CARNABY euro 3	CARNABY euro 3	CARNABY ie euro 3	SUPER HEXAGON GTX	SUPER HEXAGON GTX	MP3 euro 3	MP3 ie euro 3	MP3 ie euro 3	X7 euro 3	
	(LEADER M28FM)	(LEADER M601M)	(QUASAR)			(LEADER)	(QUASAR M472M)	(QUASAR M634M)	(LEADER)	
	125 4T LC	200 4T LC	300 4T LC	125 4T LC	180 4T LC	125 4T LC	250 4T LC	300 4T LC	125 4T LC	
	MAXI DELTA CLUTCH ADJUSTABLE CLUTCH	5211821	5211821	5211821	5211821	5211821	5211821	5211821	5211821	5211821
	SPRINGS FOR MAXI DELTA CLUTCH	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326
	SPRINGS FOR ORIGINAL CLUTCH	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326
	MAXI CLUTCH BELL CLUTCH BELL ø 134	7714317	7714317	7714317	7714317	7714317	7714317	7714317	7714317	7714317
	CARBURETTOR KIT PHF 34 MHR	-	-	-	-	-	-	-	-	-
	RED SPONGE FOR ORIGINAL FILTER BOX	1412129	1412129	1412129	-	-	1413811	-	-	1412129
	RED CHILLI OIL FILTER	0313382	0313382	0313382	0313382	0313382	0313382	0313382	0313382	0313382
	DIGITRONIC COIL FOR VEHICLES WITHOUT IMMOBILIZER	5512524	5512524	-	5512524	5512524	-	-	-	5512524
	DIGITRONIC COIL FOR VEHICLES WITH IMMOBILIZER	5512341	5512341	-	5512341	5512341	-	-	-	5512341
	TWINS pair shock absorbers REAR	4613183	4613183	4613183	-	-	-	-	-	-
	F32S FORK KIT	-	-	-	-	-	-	-	-	-
	F36R FORK KIT	-	-	-	-	-	-	-	-	-
	WHOOOP DISC FRONT BRAKE DISC	6212352	6212352	6212352	-	-	-	-	-	-
	WHOOOP DISC REAR BRAKE DISC	6212352	6212352	6212352	-	-	6212351	6212351	6212351	-



PIAGGIO									
X7 ie euro 3	X8 euro 2-3	X8	X8 euro 2	X8 ie euro 3	X9	X9 AMALFI	X9	X9 Evolution	
(QUASAR M622M)	(LEADER)			(QUASAR)				(M237M)	
250 4T LC	125 4T LC	200 4T LC	250 4T LC	250 4T LC	125 4T LC	180 4T LC	200 4T LC	250 4T LC	






	V4 HEAD FOR ORIGINAL CYLINDER	3813273	*D5*	3813273 *L6*	3813273	3813273	*D5*	3813273 *L6*	3813273 *L6*	3813273
	CYLINDER ALUMINIUM ø 74 - ø 75,5	3113928	3111473 *L6*	3111473 *L6*	3113928	3113928	3111473 *L6*	3111473 *L6*	3111473 *L6*	3113928
	POWER CAM CAMSHAFT	-	*L1*	5911962	-	-	*L1*	5911962	5911962	-
	CYLINDER+HEAD V4 ALUMINIUM ø 74	3113927	-	-	3113927	3113927	-	-	-	3113927
	CYLINDER+HEAD V4 +POWER CAM ALUMINIUM ø 74	-	3113914	3113914	-	-	3113914	3113914	3113914	-
	4 STROKE VALVE KIT VALVE - FOR ORIGINAL HEAD	2712996	2712996	2712996	2712996	2712996	2712996	2712996	2712996	2712996
	SPRINGS FOR ENGINE VALVES	2912834	2912834	2912834	2912834	2912834	2912834	2912834	2912834	2912834
	RHQ CRANKSHAFT	-	5312853	5312896	-	-	5312853	5312896	5312896	-
	HTQ GEARS SECONDARY	-	6712067 z 15/41	6711860 z 16/42	-	-	6712067 z 15/41	6712067 z 15/41	6711860 z 16/42	-
	MULTIVAR 2000 VARIATOR	5111885	5111397	5111885	5111885	5111885	5111397	5111594	5111885	5111885
	KEVLAR BELT / X KEVLAR BELT BELT	6113027	6111437	6112854	6113027	6113027	6111437	6112854	6112854	6113027
	TORQUE DRIVER MOBILE DRIVEN SPLIT PULLEY	6112563	6111656	6112563	6112563	6112563	6111656	6111656	6112563 2003->	6112563





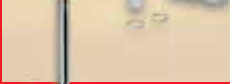







N.B.: ***L6*** - TO FIT the CYLINDER 3111473 with MALOSSİ HEAD 3813273 REPLACE THE PISTON with : 3414086.

D5 - 3813273 : V4 HEAD TO BE ASSEMBLED ONLY with Malossi CYLINDER.

L1 - 5911962 : ONLY for MALOSSİ CYLINDERS .



PIAGGIO										
	X7 ie euro 3	X8 euro 2-3	X8	X8 euro 2	X8 ie euro 3	X9	X9 AMALFI	X9	X9 Evolution	
	(QUASAR M622M)	(LEADER)			(QUASAR)				(M237M)	
	250 4T LC	125 4T LC	200 4T LC	250 4T LC	250 4T LC	125 4T LC	180 4T LC	200 4T LC	250 4T LC	
	MAXI DELTA CLUTCH ADJUSTABLE CLUTCH	5211821	5211821	5211821	5211821	5211821	5211821	5211821	5211821	5211821
	SPRINGS FOR MAXI DELTA CLUTCH	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326
	SPRINGS FOR ORIGINAL CLUTCH	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326	2911326
	MAXI CLUTCH BELL CLUTCH BELL ø 134	7714317	7714317	7714317	7714317	7714317	7714317	7714317	7714317	7714317
	CARBURETTOR KIT PHF 34 MHR	-	-	-	-	-	-	-	-	-
	RED SPONGE FOR ORIGINAL FILTER BOX	1412129	-	-	-	-	-	-	-	1412129
	RED CHILLI OIL FILTER	0313382	0313382	0313382	0313382	0313382	0313382	0313382	0313382	0313382
	DIGITRONIC COIL FOR VEHICLES WITHOUT IMMOBILIZER	-	5512524	5512524	-	-	5512524	5512524	5512524	-
	DIGITRONIC COIL FOR VEHICLES WITH IMMOBILIZER	-	5512341	5512341	-	-	5512341	5512341	5512341	-
	TWINS pair shock absorbers REAR	-	4613181	4613181	-	4613181	-	-	-	-
	F32S FORK KIT	-	-	-	-	-	-	-	-	-
	F36R FORK KIT	-	-	-	-	-	-	-	-	-
	WHOOOP DISC FRONT BRAKE DISC	6212352	6212352	6212352	6212352	6212352	6212351	6212351	6212351	6212351
	WHOOOP DISC REAR BRAKE DISC	6212351	6212351	6212351	6212351	6212351	-	-	-	6212351

	V4 HEAD FOR ORIGINAL CYLINDER	*D5*	3813273	*D5*	3813273	*L6*	*D5*	3813273	3813273		
	CYLINDER ALUMINIUM ø 74 - ø 75,5	3111473 *L6* <i>ø 74</i>	3113928 <i>ø 74</i>	3111473 *L6* <i>ø 74</i>	3111473 *L6* <i>ø 74</i>	3114537 *C1* <i>ø 74</i>	3113928 <i>ø 74</i>	3113958 <i>ø 75,5</i>			
	POWER CAM CAMSHAFT	*L1*	-	*L1*	5911962	*L1*	-	-			
	CYLINDER+HEAD V4 ALUMINIUM ø 74	-	3113927	-	-	-	3113927	-			
	CYLINDER+HEAD V4 +POWER CAM ALUMINIUM ø 74	3113914	-	3113914	3113914	-	-	-			
	4 STROKE VALVE KIT VALVE - FOR ORIGINAL HEAD	2712996	2712996	2712996	2712996	2712996	2712996	2712996			
	SPRINGS FOR ENGINE VALVES	2912834	2912834	2912834	2912834	2912834	2912834	2912834			
	RHQ CRANKSHAFT	5312853	-	5312853	5312896	5312853	-	-			
	HTQ GEARS SECONDARY	6712067 <i>z 15/41</i>	-	6711860 <i>z 16/42</i>	6711860 <i>z 16/42</i>	6712194 <i>z 17/49</i>	-	-			
	MULTIVAR 2000 VARIATOR	5111397	5111885	5111397	5111885	5111397	5111885	5111885			
	KEVLAR BELT / X KEVLAR BELT BELT	6111437	6113027	6111437	6112854	6111437	6113027	6113027			
	TORQUE DRIVER MOBILE DRIVEN SPLIT PULLEY	6111656	6112563	6111656	6112563	6111656	6112563	6112563			



L1 - 5911962 : ONLY for MALOSSI CYLINDERS .



PIAGGIO		VESPA							
XEvo euro 3	XEvo ie euro 3	Granturismo L GT GTV	Granturismo L GT	GTS Super ie euro 3	GTS GTV ie	GTS Super ie euro 3			
(LEADER)	(QUASAR)	(LEADER)	(M312M)	(M455M)		(QUASAR M454M)			
125 4T	250 4T	125 4T	200 4T	125 4T	250 4T	300 4T			
LC	LC	LC	LC	LC	LC	LC			

	MAXI DELTA CLUTCH ADJUSTABLE CLUTCH	5211821	5211821	5211821	5211821	5211821	5211821	5211821		
	SPRINGS FOR MAXI DELTA CLUTCH	2911326	2911326	2911326	2911326	2911326	2911326	2911326		
	SPRINGS FOR ORIGINAL CLUTCH	2911326	2911326	2911326	2911326	2911326	2911326	2911326		
	MAXI CLUTCH BELL CLUTCH BELL ø 134	7714317	7714317	7714317	7714317	7714317	7714317	7714317		
	CARBURETTOR KIT PHF 34 MHR	-	-	-	-	-	-	-		
	RED SPONGE FOR ORIGINAL FILTER BOX	-	-	1413811	1413811	1413811	1413811	1413811		
	RED CHILLI OIL FILTER	0313382	0313382	0313382	0313382	0313382	0313382	0313382		
	DIGITRONIC COIL FOR VEHICLES WITHOUT IMMOBILIZER	-	-	5512524	5512524	-	-	-		
	DIGITRONIC COIL FOR VEHICLES WITH IMMOBILIZER	-	-	5512341	5512341	-	-	-		
	TWINS pair shock absorbers REAR	-	-	4613185 (*)	4613185 (*)	4613185 (*)	4613185 (*)	4613185 (*)		
	F32S FORK KIT	-	-	-	-	-	-	-		
	F36R FORK KIT	-	-	-	-	-	-	-		
	WHOOOP DISC FRONT BRAKE DISC	-	-	-	-	-	-	-		
	WHOOOP DISC REAR BRAKE DISC	-	-	-	-	-	-	-		

(*) - It is also available the RS24 front shock absorber : 4614137.

ALUMINIUM CYLINDER Ø 75,5 H₂O 4-STROKE

Piaggio 300 Engine

New

Bore Ø 75,5 mm;
Stroke 63 mm;
Displacement 282 cc;
Compression ratio 12,5:1.



CYLINDER

- Material: primary aluminium alloy with a high content of hardened and tempered silicon, cylinder liner with silicon carbide coating in a galvanic nickel die and crossed smoothing with two diamond passages with very limited tolerances.
- Machining: on machine tools with high precision numerical control.
- Cylinder-piston connection with an allowance of 0.05 mm.
- Recalculated and upgraded heat exchange surfaces.

ALUMINIUM CYLINDER with CDI FORCE MASTER 2 Ø 74 H₂O I-TECH 4-STROKE

Piaggio 125 ie Engine

New

Bore Ø 74 mm;
Stroke 48,6 mm;
Displacement 209 cc;
Compression ratio 12,5:1.



PISTON

- Ultra compact with 3 rings.
- Material: special aluminium alloy with high silicon content, low thermal expansion and a tin facing on the sliding surfaces.
- Machining on machine tools with numerical control.
- Lightened and reinforced.
- Upgraded heat exchange surfaces.

PISTON RINGS

- Special rings with high sliding ease and very high mechanical resistance.
- I° ring compression in nitrided and chromium steel.
- II° special cast iron ring.
- Three-piece scraper ring made of chromium plated special steel alloy.



MALOSS



CDI

- Carburation adjusting
- ± 20% at min/medium/max
- RPM limiter : + 1000 RPM
- 4 different maps