

## **Silniki stosowane w skuterach:**

### **APRILIA SR50**

**SR50 PRE YEAR 2000** - Chassis number "ZD4R MZ" or "ZD4R LY" Yamaha Minarelli engine - Air box not seen, under left hand runner board.

**SR50 - YEAR 2000 ONWARDS** - Chassis number "ZD4R LA" - Suzuki Katana Franco MORINI engine - Horizontal cylinder - carb engine - Air box on top of engine near rear shock. 41mm cylinder.

**SR50 "DITEC" - 2000 ONWARDS** - Chassis number "ZD4R LB" or "ZD4R LD" - Suzuki engine - no carburettor.

**SR50 2003 / 2004** - Chassis number "C384M" - Piaggio engine - horizontal cylinder - same as Piaggio NRG MC2.

**SR50 2003 / 2004 "DITEC"** - Chassis number "ZD4TE" - No carburettor. Piaggio

SR50 2005 Non DITEC Factory "ZD4VFB"

### **MINARELLI 50cc AIR COOLED VERTICAL CYLINDER ENGINE**

**Upright Cylinder with the Carburettor fitted to a reed valve unit on the Cylinder.**  
**The Oldest Engine as first used on the BWS**

APRILIA AMICO

MBK BOOSTER, BOOSTER NEXT GENERATION, ROCKET, STUNT

YAMAHA BWS, BWS NEXT GENERATION, SPY, SLIDER

### **MINARELLI 50cc AIR COOLED HORIZONTAL CYLINDER ENGINE**

**Horizontal Cylinder with the Carburettor fitted to a reed valve unit on the Engine Casing**

**Later Engine as first used on the Jog.**

APRILIA SR 50 1994-2000, RALLY, SONIC, SCARABEO 50

BETA ARK, CHRONO, TEMPO, QUADRA

BENELLI 491, K2, PEPE

MALAGUTI CIAK, F10 JETLINE, F12 PHANTOM, YESTERDAY

MBK OVETTO, MACH G

YAMAHA NEOS, JOG R, ZEST, VINO, WHY

**MINARELLI 50cc LIQUID COOLED HORIZONTAL CYLINDER ENGINE**  
**Later Water Cooled Version**  
**Horizontal Cylinder with the Carburettor fitted to a reed valve unit on the Engine Casing**

<b>APRILIA</b>	SR 50 LC 1994-2000, RALLY, SONIC GP, AREA 51
<b>BETA</b>	ARK LC, EIKON 50
<b>BENELLI</b>	491, K2
<b>ITALJET</b>	DRAGSTER 50
<b>MALAGUTI</b>	F12 PHANTOM LC, F15 FIREFOX
<b>MBK</b>	NITRO, MACH G LC
<b>YAMAHA</b>	AEROX, JOG RR

**MINARELLI AM3, 4, 5, 6. 50cc GEARED MOTORCYCLE ENGINE as fitted to :-**

<b>APRILIA</b>	RS 50, TUONO 50, RX 50, MX 50
<b>BETA</b>	ENDURO RR 50 LC, SUPERMOTARD RR 50 LC, RK 50
<b>HUSQVARNA</b>	CH RACING 50 LC, SM, WR
<b>MALAGUTI</b>	XSM 50, XTM 50
<b>MBK</b>	X-POWER 50, X-LIMIT 50, THUNDER.
<b>MOTORHISPANIA</b>	FURIA 50, RX 50
<b>PEUGEOT</b>	XP6 TRAIL, SUPERMOTARD, XR6 CAT
<b>RIEJU</b>	RR 50, RS1 50, RS2 MATRIX 50, SMX
<b>YAMAHA</b>	DT 50 R, TZR 50

**MORINI 50cc SUZUKI AIR COOLED ENGINE**

<b>APRILIA</b>	SR50 - YEAR 2000 to 2003
<b>ATALA</b>	HACKER
<b>ITALJET</b>	FORMULA 50 AIR, VELOCIFERO, TORPEDO 50 UPTO 2002
<b>SUZUKI</b>	ADDRESS, KATANA AP50 UP TO 1998

**HONDA CN250 ENGINE as fitted to:**

<b>HONDA</b>	CN250
<b>PIAGGIO</b>	HEXAGON 250

### **HONDA FORESIGHT ENGINE as fitted to:**

HONDA FORESIGHT 250

PIAGGIO X9 250 (PRE EVOLUTION)

### **HONDA 125 4 STROKE as fitted to:**

HONDA @ 125, @150

HONDA DYLAN 125, DYLAN 150

HONDA SH125, SH150

### **PIAGGIO 50cc AIR COOLED ENGINE**

GILERA ICE, SKP 50 (STALKER), STORM

ITALJET JETSET, TORPEDO 50 2002 ON

PIAGGIO DIESIS, NRG EXTREME, NRG Mc3, FREE, LIBERTY, SFERA, VESPA ET2

### **PIAGGIO 50cc LIQUID COOLED ENGINES**

APRILIA SR 50 LC 2004

DERBI GP1

GILERA DNA 50, RUNNER 50

PIAGGIO NRG Mc2, NRG EXTREME, NRG Mc3, QUARTZ, ZIP SP

### **PIAGGIO 50cc PUREJET INJECTION ENGINE**

APRILIA SR 50 DI-TECH 2004

GILERA RUNNER 50 PUREJET

PIAGGIO NRG Mc3 PUREJET

### **PIAGGIO 125 / 180cc TWO STROKE ENGINE**

APRILIA SR 125

GILERA RUNNER FX 125 - RUNNER FXR 180

ITALJET DRAGSTER 125 - DRAGSTER 180

PIAGGIO HEXAGON 125 - 10 INCH WHEELS - HEXAGON LX 125 - HEXAGON LX 180

PIAGGIO SKIPPER 125 - 10 INCH WHEELS - SKIPPER LX 125 - TYPHOON 125

## **LEADER MOTOR Air Cooled is fitted to -**

<b>BENELLI</b>	ADIVA 125-150cc
<b>DERBI</b>	BOULEVARD 125
<b>ITALJET</b>	JETSET 125, TORPEDO 125 2001 ON
<b>PIAGGIO</b>	LIBERTY 125 >2000 ON
<b>PIAGGIO</b>	VESPA ET4 >2000 ON
<b>PIAGGIO</b>	ZIP 125cc
<b>PIAGGIO</b>	SKIPPER ST 125

## **LEADER MOTOR Liquid Cooled is fitted to -**

<b>APRILIA</b>	ATLANTIC 4t 125 - ATLANTIC 4t ( M234M ) 200 - SCARABEO 4t 125 - SPORT CITY ( PIAGGIO M281M ) 125 - SPORT CITY 4t 200
<b>GILERA</b>	DNA 4t 125 / 180 - RUNNER VX125, VXR 180, VXR 200
<b>MALAGUTI</b>	F12 PHANTOM MAX 4T 200 - MADISON 4t 180 / 200
<b>PIAGGIO</b>	BEVERLY 4t 125 / 200 - SUPER HEXAGON GTX 4t 125 / 180
<b>PIAGGIO</b>	X8 4t 125 / 200 - X9 125 / 180 / 200
<b>VESPA</b>	GT Granturismo 125 / 200

## **Liquid Cooled LEADER QUASAR 250 MOTOR is fitted to :**

<b>APRILIA</b>	ATLANTIC 4t ( M237M ) 250 - SCARABEO 4t ( PIAGGIO M285M ) 250
<b>MALAGUTI</b>	MADISON RS 4t ( PIAGGIO M237M ) 250
<b>PIAGGIO</b>	BEVERLY 4t ( M285M ) 250 - X9 EVOLUTION 4t ( M237M ) 250

## **YAMAHA 100cc 2 STROKE MOTOR is fitted to:**

<b>YAMAHA</b>	BWS 100, AEROX 100, NEO'S 100
<b>MBK</b>	BOOSTER 100, OVETTO 100, NITRO 100
<b>BENELLI</b>	K2 100

### **YAMAHA 125 4 STROKE ENGINE is fitted to:**

<b>YAMAHA</b>	MAJESTY 125, TEOS 125, MAXTER 125
<b>MBK</b>	SKYLINER 125, DOODO 125, THUNDER 125
<b>BENELLI</b>	VELVET 125
<b>ITALJET</b>	JUPITER 125 - MILLENNIUM 125
<b>MALAGUTI</b>	MADISON 125

### **YAMAHA 250cc 4 STROKE MOTOR is fitted to :**

<b>APRILIA</b>	LEONARDO 250
<b>BENELLI</b>	VELVET 250
<b>ITALJET</b>	JUPITER 250
<b>MALAGUTI</b>	MADISON 250
<b>MBK</b>	SKYLINER 250
<b>YAMAHA</b>	MAJESTY 250

### **Piaggio 400/500cc Single Cylinder LEADER Engine**

APRILIA ATLANTIC 500  
APRILIA SCARABEO 500

GILERA FUOCO 500  
GILERA NEXUS 500

MALAGUTI SPIDERMAX 500

PEUGEOT SATELIS 400  
PEUGEOT SATELIS 500

PIAGGIO B 500 and BEVERLY 500  
PIAGGIO MP3 400  
PIAGGIO X8 400 and XEVO 400  
PIAGGIO X9 500 EVOLUTION

**MINARELLI 50cc AIR COOLED HORIZONTAL ENGINES are fitted to**

APRILIA SR 50 1994-2000, RALLY, SONIC, SCARABEO 50  
BETA ARK, CHRONO, TEMPO, QUADRA  
BENELLI 491, K2, PEPE  
MALAGUTI CIAK, F10 JETLINE, F12 PHANTOM, YESTERDAY  
MBK OVETTO, MACH G  
YAMAHA NEOS, JOG R, ZEST, VINO, WHY

**MINARELLI 50cc LIQUID COOLED HORIZONTAL ENGINES are fitted to**

APRILIA SR 50 LC 1994-2000, RALLY, SONIC GP, AREA 51  
BETA ARK LC, EIKON 50  
BENELLI 491, K2  
ITALJET DRAGSTER 50  
MALAGUTI F12 PHANTOM LC, F15 FIREFOX  
MBK NITRO, MACH G LC  
YAMAHA AEROX, JOG RR

**MINARELLI 50cc AIR COOLED VERTICAL ENGINES are fitted to**

APRILIA AMICO  
MBK BOOSTER, BOOSTER NEXT GENERATION, ROCKET, STUNT  
YAMAHA BWS, BWS NEXT GENERATION, SPY, SLIDER

**MORINI 50cc AIR COOLED ENGINES are fitted to**

ATALA HACKER  
ITALJET FORMULA 50 AIR, VELOCIFERO, TORPEDO 50 UPTO 2002  
SUZUKI ADDRESS, AP50 UPTO 1998

**PIAGGIO 50cc AIR COOLED ENGINES are fitted to**

GILERA ICE, SKP 50 (STALKER), STORM  
ITALJET JETSET, TORPEDO 50 2002 ON  
PIAGGIO DIESIS, NRG EXTREME, NRG Mc3, NRG POWER, TYPHOON, FREE, LIBERTY, SFERA,  
VESPA ET2, ZIP, LX50, FLY 50.

**PIAGGIO 50cc LIQUID COOLED ENGINES are fitted to**

APRILIA SR 50 LC 2004, SR 50 R 2005  
DERBI GP1  
GILERA DNA 50, RUNNER 50  
PIAGGIO NRG Mc2, NRG EXTREME, NRG Mc3, NRG POWER, QUARTZ, ZIP SP  
DERBI GP1 REVOLUTION, RACING 2005/06.

**PIAGGIO 50cc PUREJET INJECTION ENGINES are fitted to**

APRILIA SR 50 DI-TECH 2004, SR 50 R FACTORY 2005  
GILERA RUNNER 50 PUREJET  
PIAGGIO NRG Mc3 PUREJET

**YAMAHA 125 4 STROKE are fitted to**

YAMAHA MAJESTY 125, TEOS 125, MAXTER 125  
MBK SKYLINER 125, DOODO 125, THUNDER 125  
BENELLI VELVET 125  
ITALJET JUPITER 125 - MILLENNIUM 125  
MALAGUTI MADISON 125  
YAMAHA X-MAX 125  
YAMAHA X-CITY 125

**YAMAHA 100cc 2 STROKE MOTORS as fitted to**

YAMAHA BWS 100, AEROX 100, NEO'S 100  
MBK BOOSTER 100, OVETTO 100, NITRO 100  
BENELLI K2 100

**YAMAHA 250cc 4 STROKE MOTORS as fitted to**

APRILIA LEONARDO 250  
BENELLI VELVET 250  
ITALJET JUPITER 250  
MALAGUTI MADISON 250  
MBK SKYLINER 250  
YAMAHA MAJESTY 250  
YAMAHA X-MAX 250  
YAMAHA X-CITY 250

**HONDA CN250 ENGINE as fitted to**

HONDA CN250  
PIAGGIO HEXAGON 250

**HONDA FORESIGHT ENGINE as fitted to**

HONDA FORESIGHT 250  
PIAGGIO X9 250 (PRE EVOLUTION)

**HONDA 125 4 STROKE as fitted to**

HONDA @ 125, @150  
HONDA DYLAN 125, DYLAN 150  
HONDA SH125, SH150  
HONDA PANTHEON 125  
HONDA PS125

**Liquid Cooled LEADER MOTORS are fitted to**

APRILIA ATLANTIC 125-200, SPORT CITY 125-200  
GILERA DNA 125-180  
GILERA RUNNER VX125, VXR 180, VXR 200  
MALAGUTI PHANTOM MAX 200  
PIAGGIO B125 + B200, VESPA GT 125-200  
PIAGGIO X9 125-180-200, X8 125-200  
DERBI GP1 125  
GILERA NEXUS 125  
PIAGGIO CARNABY 125-200  
PIAGGIO MP3

**Air Cooled LEADER MOTORS are fitted to**

BENELLI ADIVA 125-150  
DERBI BOULEVARD 125  
ITALJET JETSET 125, TORPEDO 125 2001 ON  
PIAGGIO LIBERTY 125 2000 ON  
PIAGGIO VESPA ET4 2000 ON  
PIAGGIO ZIP 125, FLY 125  
PIAGGIO SKIPPER ST 125  
VESPA LX 125  
APRILIA HABANA (MOJITO) 125 2004 UPTO 2006

**DERBI SENDA EBE050 & EBS050 ENGINES as fitted to**

BULTACO LOBITO 50  
DERBI SENDA 50, SUPERMOTARD 50, GPR 50 2003 ON  
GILERA RCR 50, SMT 50, GSM 50 2002-03, H@K 50 2003-03

**AM6 ENGINES as fitted to**

APRILIA RS 50, TUONO 50, RX 50, MX 50  
BETA ENDURO RR 50 LC, SUPERMOTARD RR 50 LC, RK 50  
HUSQVARNA CH RACING 50 LC  
MALAGUTI XSM 50, XTM 50  
MBK X-POWER 50, X-LIMIT 50  
MOTORHISPANIA FURIA 50, RX 50  
PEUGEOT XP6, XR6  
RIEJU RR 50, RS1 50, RS2 MATRIX 50  
YAMAHA DT 50 R, TZR 50

**Piaggio QUASAR engines as fitted to**

APRILIA ATLANTIC 250, SCARABEO 250  
MALAGUTI MADISON 250 2005  
PIAGGIO X9 250 EVOLUTIO, BEVERLY 250  
DERBI GP1 250  
APRILIA SPORT CITY 250  
PIAGGIO X8 250  
PIAGGIO MP3 250  
GILERA NEXUS 250  
PEUGEOT GEOPOLIS 250  
PEUGEOT SATELIS 250

**PIAGGIO HI-PER 4 50CC 4 STROKE ENGINES AS FITTED TO**

PIAGGIO ZIP 50 4T  
PIAGGIO FLY 50 4T  
PIAGGIO ET4 50 4T  
PIAGGIO LX 50 4T  
PIAGGIO LIBERTY 50 4T

**PIAGGIO MASTER MOTOR AS FITTED TO**

APRILIA ATLANTIC 400/500  
APRILIA SCARABEO 400/500  
MALGUTIL SPIDERMAX 500  
GILERA NEXUS 500  
PIAGGIO FUOCO 500  
PIAGGIO X9 500, X8 400, MP3 400, B 500  
PEUGEOT GEOPOLIS 400  
PEUGEOT SATELIS 400/500

**DERBI D50B MOTOR AS FITTED TO**

APRILIA RS50 2006 ON  
APRILIA RX50 2006 ON  
APRILIA SX50  
DERBI DRD PRO 2006 ON  
DERBI DRD RACING 2006 ON  
DERBI X-TREME 2006 ON  
DERBI X-RACE 2006 ON  
DERBI GPR NUDE 2006 ON  
DERBI GPR RACING 2006 ON  
GILERA RCR 50 2006 ON  
GILERA SMT 50 2006 ON