

OVERHAUL MANUAL

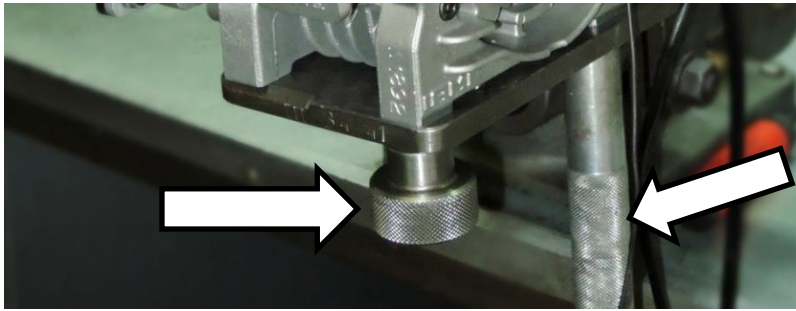
REEDJET 100cc -TAG

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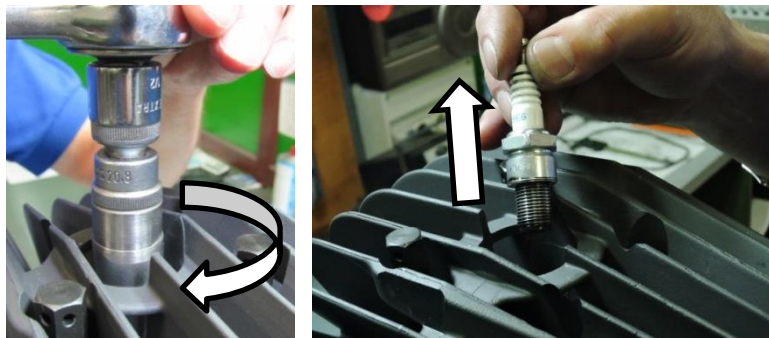
ENGINE DISASSEMBLY

Insert n°2 screws M8x60 on bottom of crankcase to position and fix motor on bench.
(TOOLS FOR VISE ON BENCH - FOR TOOL SEE ATTACHED DRAWING S725/1)



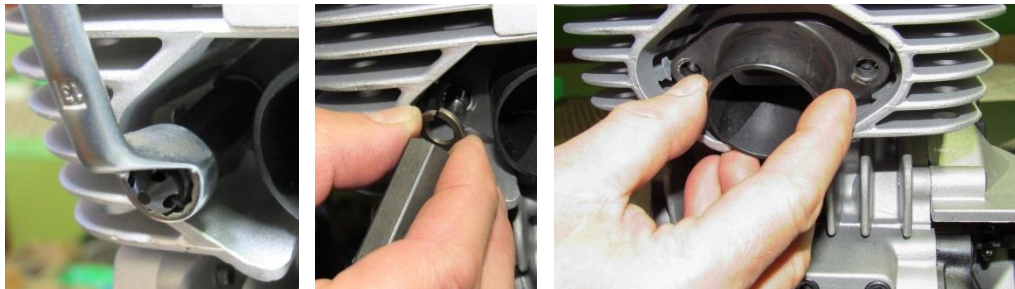
Remove Spark Plug

Unscrew with 20.8mm SOCKET WRENCH – T TYPE, extract the sparkplug from the engine.



Remove the Exhaust Manifold

Unscrew n°2 Column Nuts M8, 12 POINT WRENCH 13MM, remove n°2 washers, the exhaust manifold and its gasket.



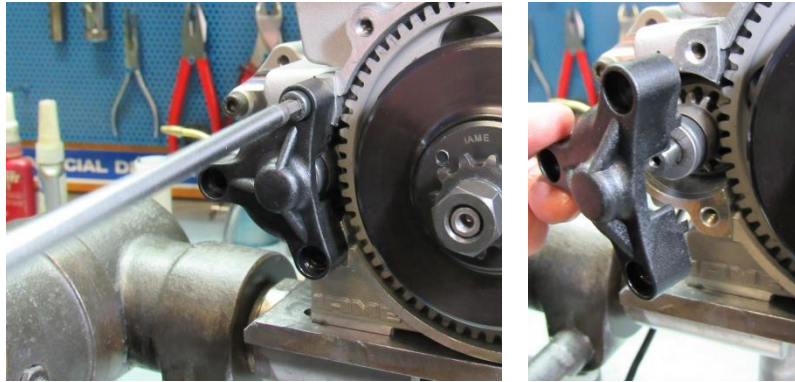
Remove The Clutch Cover

Unscrews n°3 M6x30 TCEI with 5mm ALLEN WRENCH – T TYPE.



Remove The Clutch

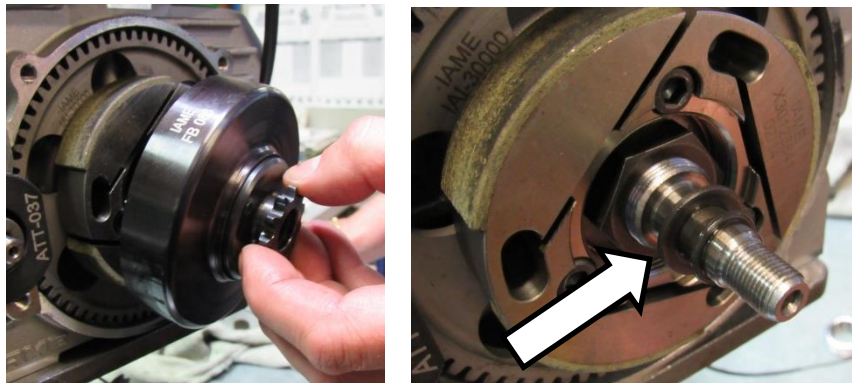
Unscrew the Bendix cover with 5mm ALLEN WRENCH – T TYPE and remove it.



Insert the ATT.037 – STARTER WHEEL LOCKING TOOL for blocking the crankshaft rotation.



Remove the M10 Nut with RING WRENCH 17mm and remove subsequently the external washer, the complete drum with the roller cage, the internal washer and O-ring.

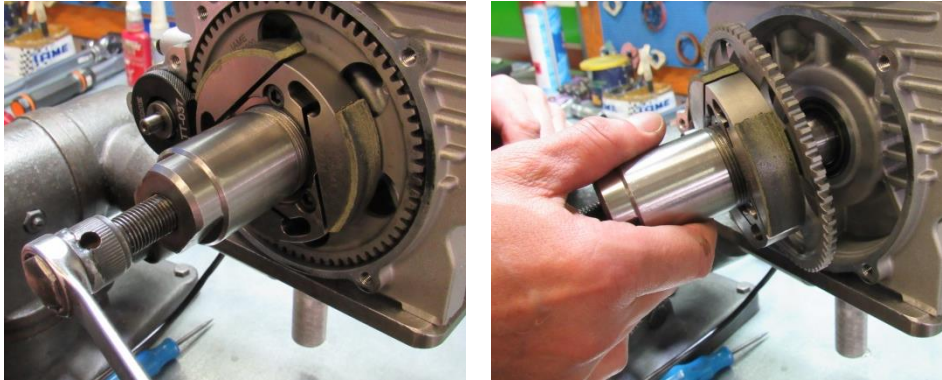


With the starter wheel locking tool and SOCKET WRENCH 27mm, remove the M20x1 clutch hub nut.

WARNING: USCREW CLOCKWISE AS THE NUT HAS LEFT-HAND THREAD.



Remove the clutch hub and the starter wheel from the crankshaft through ATT.026 CLUTCH PULLER and extract the Bendix.

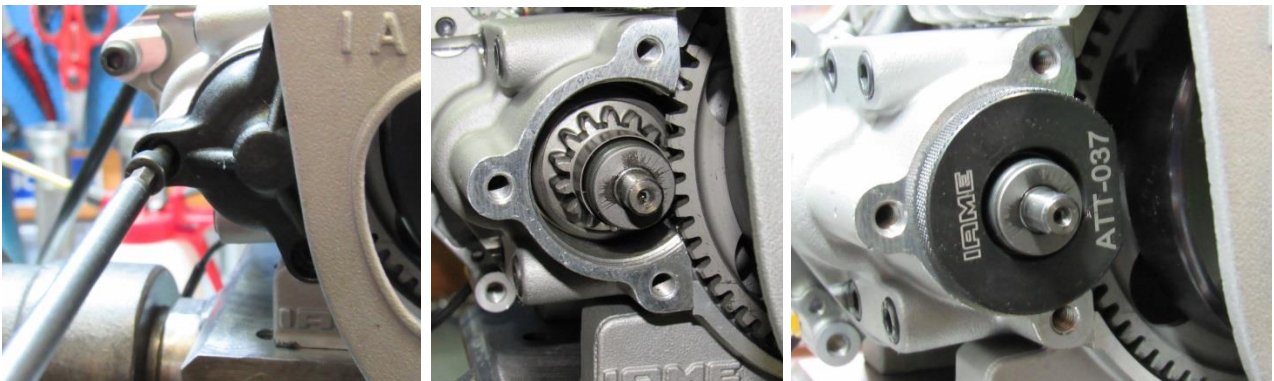


Remove the starter wheel, unscrew n°3 M6 TCEI with ALLEN WRENCH 5mm – T TYPE



Remove The Ignition

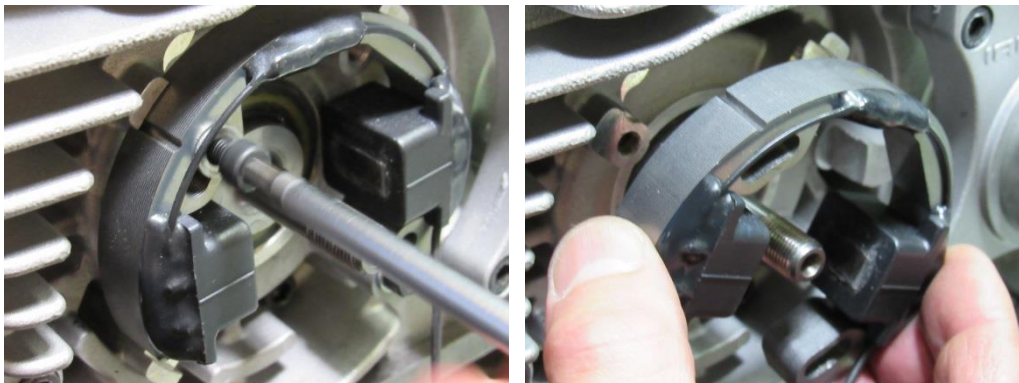
If you have to disassemble only the ignition, is possible remove only the Bendix cover on the clutch side as in photo. The important fact is that the ATT.037 STARTER WHEEL LOCKING TOOL is in place on the crankcase.



Remove the ignition Nut M10 with the Ring Wrench 17mm. Remove the Rotor.

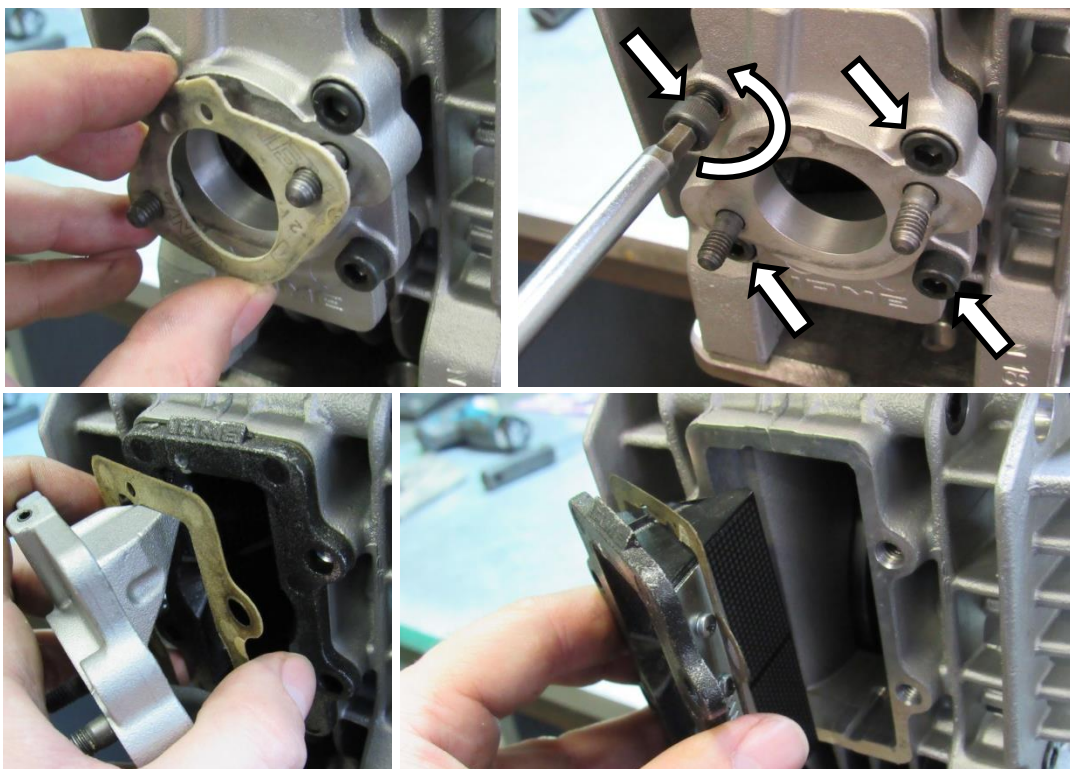


Remove the Stator, unscrew n° 2 TCEI M5x25 and remove its washers. Remove ATT.037



Remove the Carburettor Manifold, Outer Reed Pack Gasket, Reed Pack and Inner Reed Pack Gasket.

Remove the Carburettor gasket, unscrews n°4 TCEI M6x25 with ALLEN WRENCH 5mm T TYPE.
Remove the other components of inlet system as in picture.

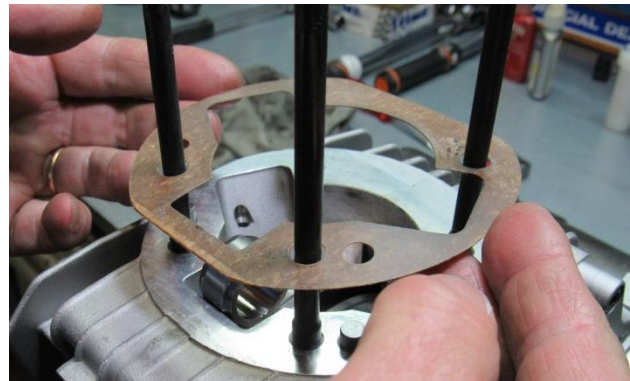
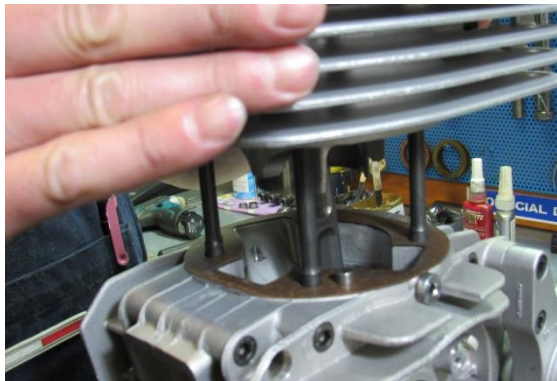
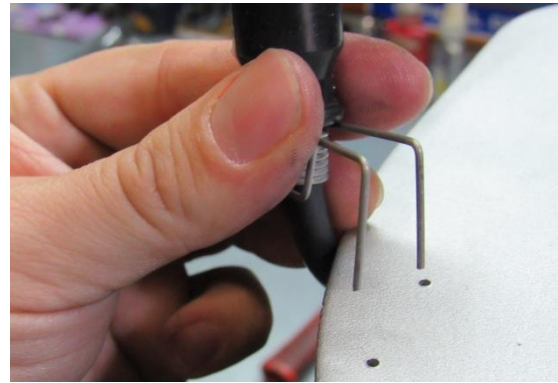
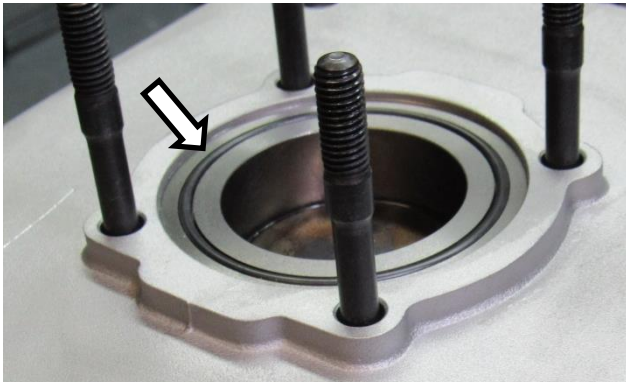


Remove the Cylinder Head

Unscrew Head Nuts, n°2 Nuts M8 and n°2 Column nuts with SOCKET WRENCH 13MM T-TYPE



Remove Cylinder O-Ring Ø60mm , remove cable spring, remove Cylinder and its gasket.



Remove the Circlips from Piston

Use a Screwdriver with rounded edges.

ATTENTION: DO NOT SCRATCH PISTON OR CIRCLIP SEATS.



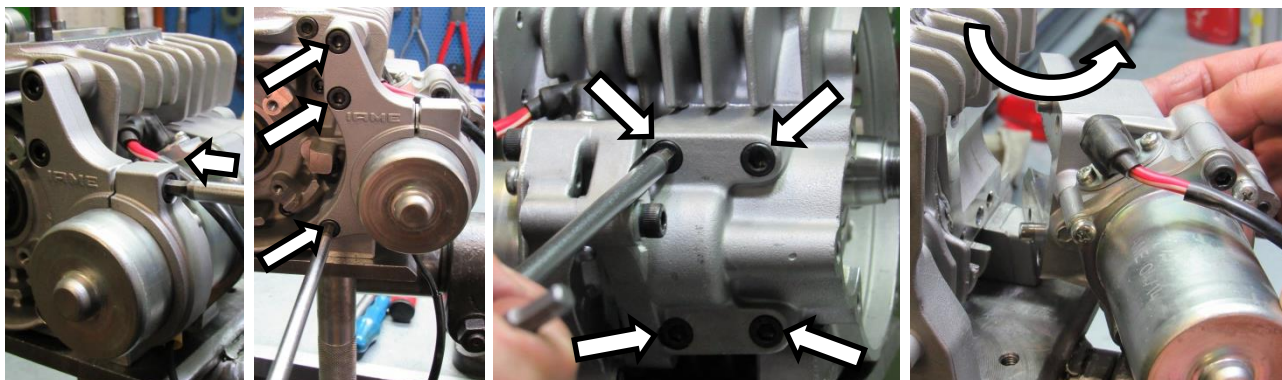
Remove Piston Pin, Piston and Cage

Using the PISTON PIN PUNCH - P.N.10200



Remove Starter Group

Untighten the screws that fix the starter support to the engine. Remove also the screws that attach the Bendix support to the engine.



Opening The Crankcase

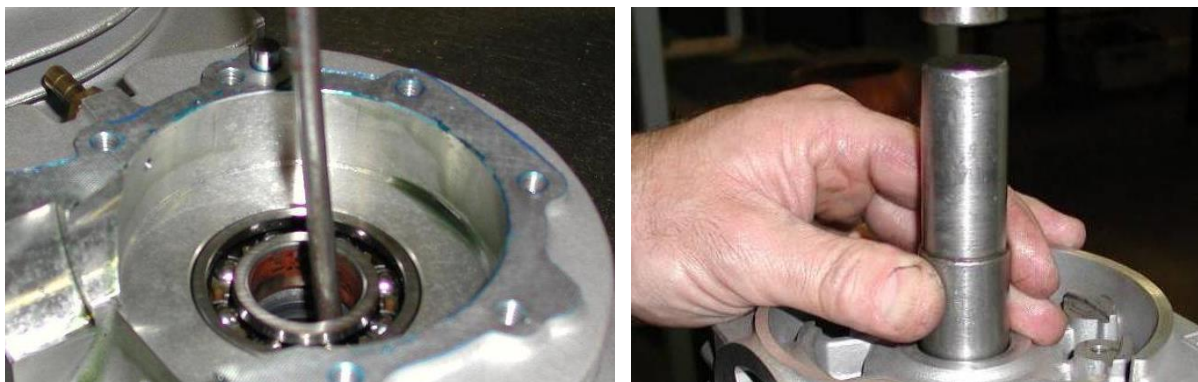
Remove 7 fixing Screws (n°5 M6x45 n°3 M6x60), unscrew with ALLEN WRENCH 5mm.
Open the crankcase using a PLASTIC MALLET.



Remove Oil Seals / Bearing if necessary

Use a SCREWDRIVER for Seals. For the bearing, heat crankcase half to 70° or use press and special pusher as in picture S725/1.

N.B. Remove and preserve Shims



CRANKSHAFT DISASSEMBLY / ASSEMBLY

ATTENTION:

THE DISASSEMBLY/ASSEMBLY OPERATIONS ON THE CRANKSHAFT, MUST BE PERFORMED ONLY BY AN AUTHORIZED SERVICE CENTER USING THE SPECIALLY DESIGNED TOOLS. USE OF UNFITTED TOOLS OR PERFORMED OPERATIONS BY UNSKILLED PERSONNEL MAY DAMAGE THE CRANKSHAFT BEYOND REPAIR.

TOOLS DESCRIPTION	N° PART
CRANKSHAFT ASSEMBLY KIT	10110A
CRANKPIN BUSH (INCLUDED IN 10110A)	10150A
CRANKSHAFT DISASSEMBLY KIT INCLUDES	10100-C2
- CRANKSHAFT SUPPORT/ DISASSEMBLY TOOL	10100
- CRANKSHAFT PLATE / DISASSEMBLY TOOL	10104A
- CRANKSHAFT INSERT	10106
- CRANKPIN PUSHER	10107

CRANKSHAFT DISASSEMBLY OPERATIONS

Place the disassembly tool under the press (5 MeT PRESS and disassembly KIT P.N. 10100).

Place the crankshaft plate (P.N. 10104A) between the crankshaft halves. Then insert the crankshaft insert (P.N. 10106) and using the crankpin pusher (P.N. 10107) press the crankpin out.



Disassemble the complete conrod with washers. Repeat the operations to extract the crankpin from the other half crankshaft.

BEFORE REASSEMBLING, WASH ALL PARTS WITH KEROSENE

IMPORTANT: IF THE DISASSEMBLED PARTS AREN'T BRAND NEW AND WILL BE REASSEMBLED WITHOUT SUBSTITUTION, THEY MUST BE PLACED IN THE SAME SENSE / POSITION AS BEFORE.

WE SUGGEST TO MARK CONROD AND WASHES BEFORE DISASSEMBLE, AND PARTICULAR ATTENTION HAS TO BE PAID TO THE ROLLER CAGE, WHOSE ROLLERS CAN FALL IF CRANKPIN OR SOMETHING SIMILAR IS NOT PRESENT INSIDE CAGE ITSELF.

a) CHECK STATUS OF CONROD-TOP AND BOTTOM. IF OVALIZATION EXCEEDS 0.01mm. REPLACE CONROD.	-0.01 centesimal micrometre (21/50) -0.001 bore gauge with check ring \varnothing 24 and \varnothing 18 diam.
b) CHECK STATUS OF ROLLER CAGE (BIG END) VISUAL CHECK – <u>REPLACE IF NECESSARY BUT ALWAYS AFTER 30 HOURS OF WORKING REPLACING CAGE WITH PIN AND WASHERS.</u>	
c) CHECK STATUS OF CRANKSHAFT HALVES. <u>REPLACE IF BEARING SEAT DIAMETER IS BELOW 0.030mm VS. NEW.</u>	
d) CHECK STATUS OF SILVER WASHERS VISUAL CHECK – <u>REPLACE IF NECESSARY.</u>	

FOLLOW ATTACHED TABLE FOR MAX. CLEARANCE FOR CON-ROD, CRANKPIN, CAGE.

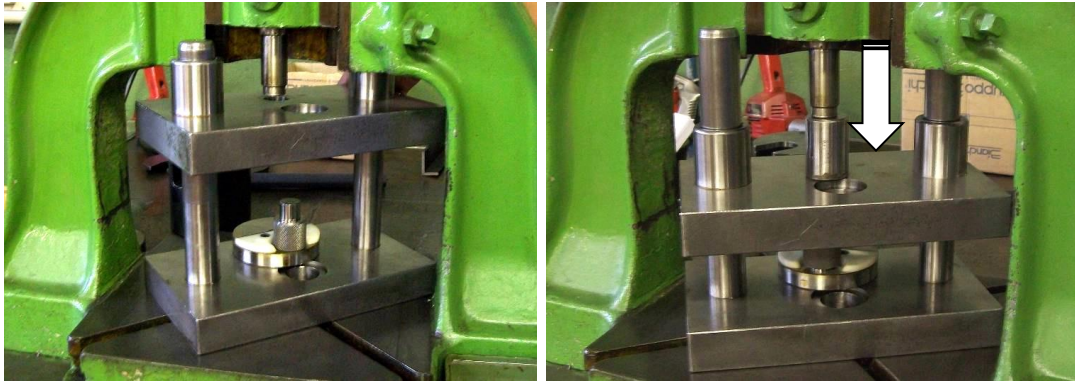
CRANKSHAFT ASSEMBLY OPERATIONS

Place the crankshaft assembly tool P.N. 10110A under the press (5MeT Press), vertically.
Place the crankshaft half into the assembly tool. Oil Crankpin and crankpin hole on crankshaft.

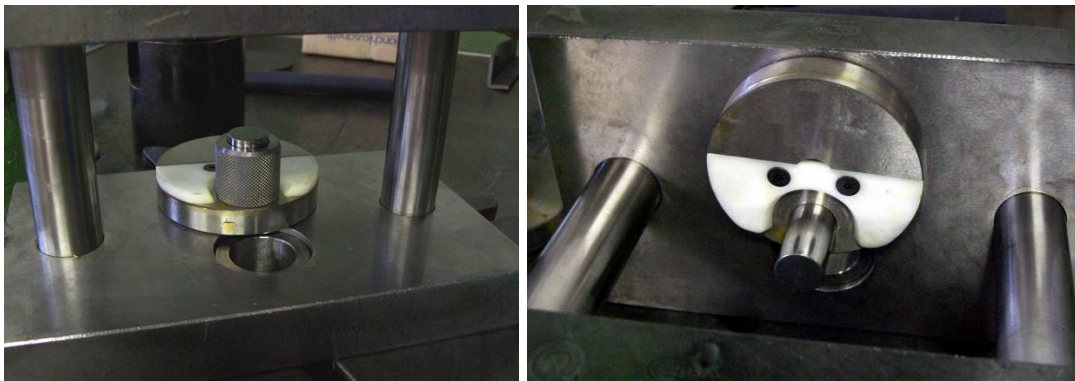
Place crankpin with crankpin bush (P.N. 10150A) on crankshaft half.

BE SURE THAT CRANKPIN IS WELL CENTERED INTO ITS HOLE ON CRANKSHAFT.

Bring upper plate of tool in contact with crankpin.



Progressively press until crankpin is completely driven in. Now extract bush from crankpin and put in horizontal position.



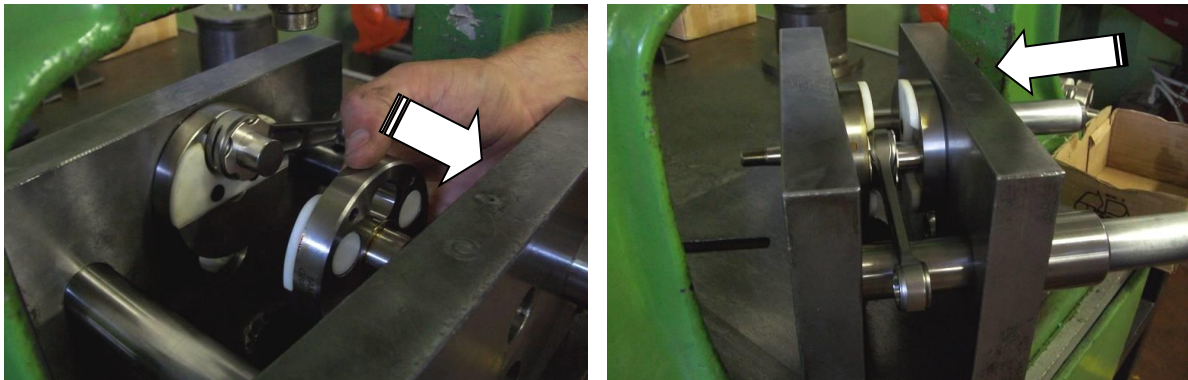
After having lubricated crankpin, insert the silver washer, the conrod with roller cage and the other silver washer.

ATTENTION:
ROLLERS ARE FREE IN THE CAGE, PREVENT ROLLERS FROM FALLING WHEN INSERTING ON CRANKPIN



Place second crankshaft half in the seat of the counter plate. Bring the two plates close until the tool is hand pressed.

BE SURE THAT CRANKPIN IS WELL CENTERED INTO ITS HOLE ON CRANKSHAFT



Oil crankpin and crankpin hole on crankshaft half. Put tool in vertical position. Progressively press the two crankshaft halves together. Open the tool, put it in horizontal position and extract the crankshaft.

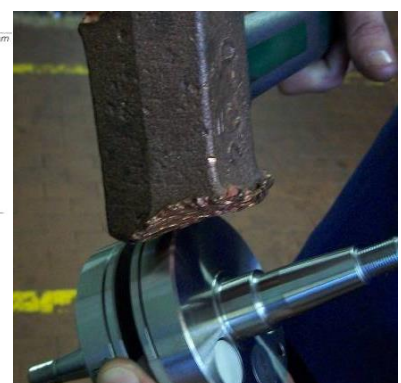
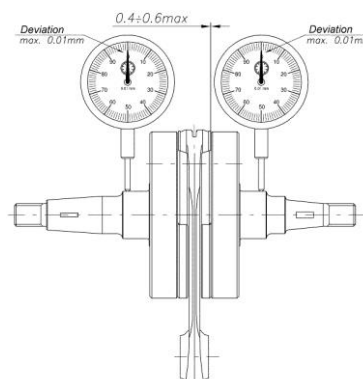
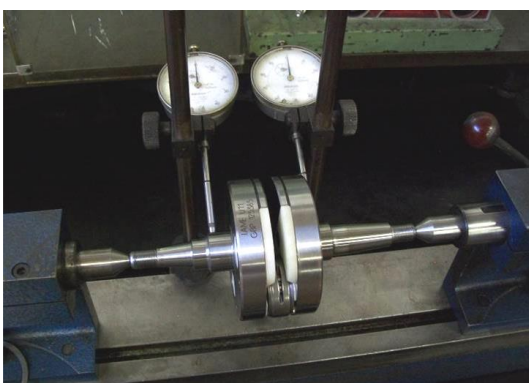


Check the axial clearance of the conrod, it must be **MIN. 0.4mm / MAX. 0.6mm**

IF CLEARANCE IS HIGHER OR LOWER, REBUILD THE CRANKSHAFT

AFTER ASSEMBLY, THE CRANKSHAFT MUST BE ALIGNED. OTHERWISE EXCESSIVE VIBRATION, HARD STARTING OR POOR ACCELERATION WILL RESULT.

Place the crankshaft between the centres with dial gauges indicators reading on left and right bearing seats. Use the copper hammer to align the crankshaft (if necessary). Rotate crankshaft and look at deflection of gauge needles. The deflection must be, after centring, **MAX. 0,01mm.**



ENGINE ASSEMBLY

Before re-assembling, wash all parts with kerosene / diluent

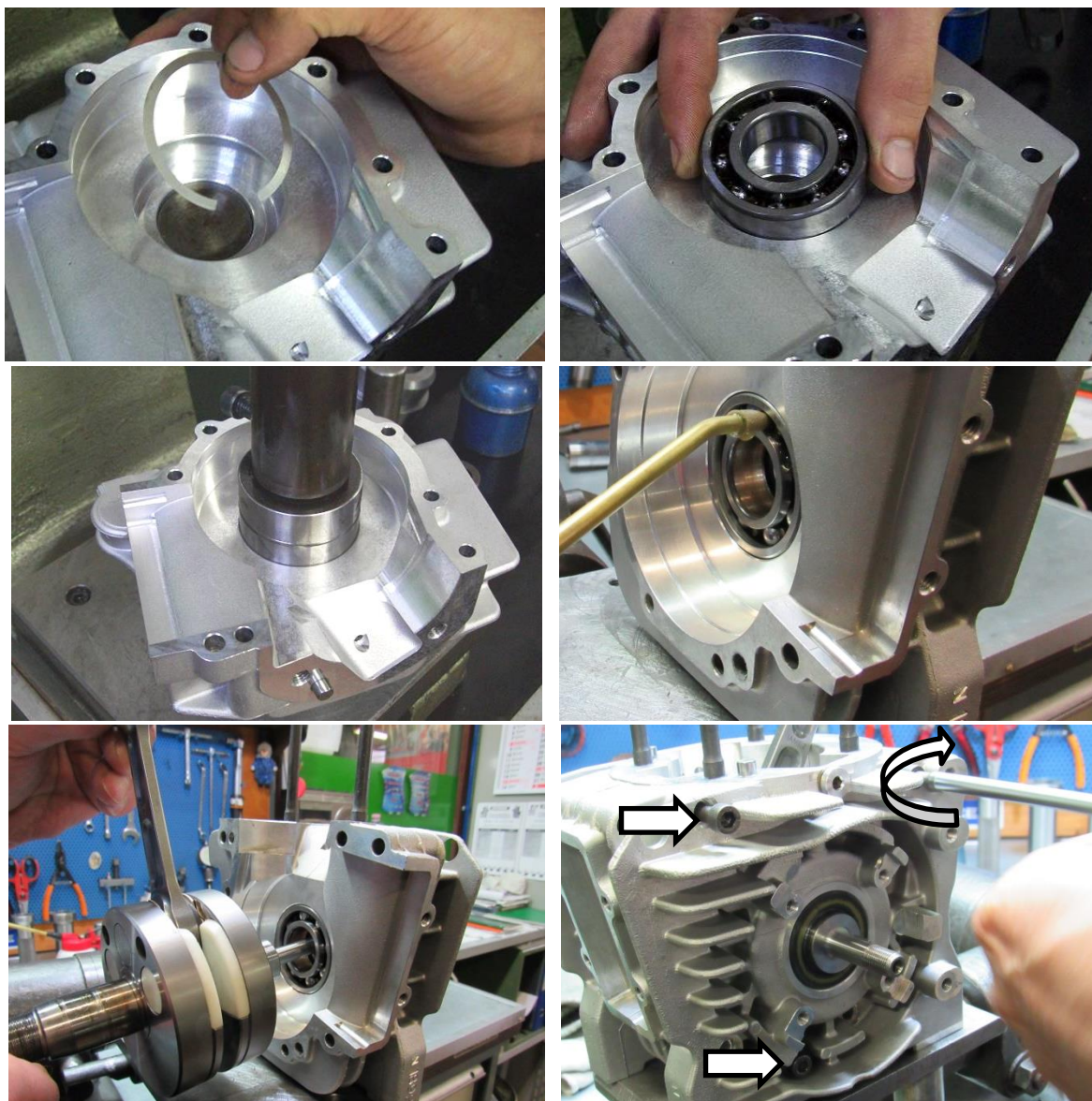
Crankcase Assembly

Check status of crankcase bearing, replace after 30 hours suggested or 60 hrs max. Place crankcase halves under press (use tool as per drawing S 725 / 1).

Or better heat crankcase half at 70°C. If necessary insert the bearing shims.

Insert the bearing, the balls have to be on upper side and visible during the assembly (for both halves).

Then, insert the crankshaft as was positioned in the original installation and close temporarily the crankcase for axial clearance check.

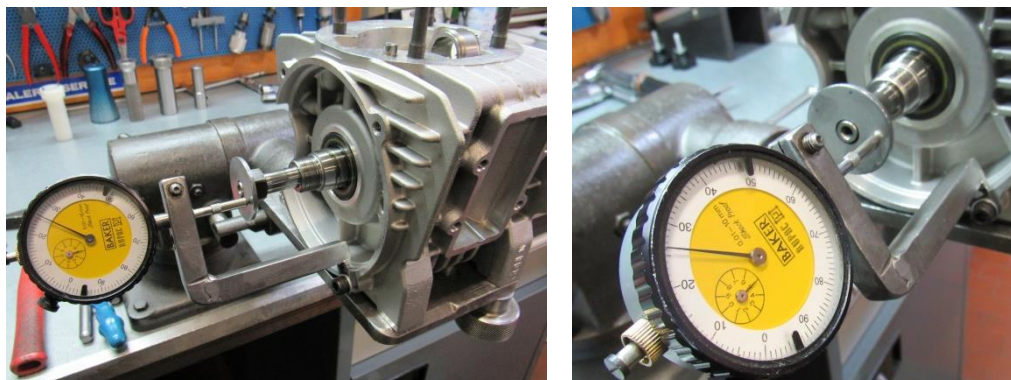


Fixing the crankcase with only 3 / 4 screws with 5mm ALLEN WRENCH – T-TYPE

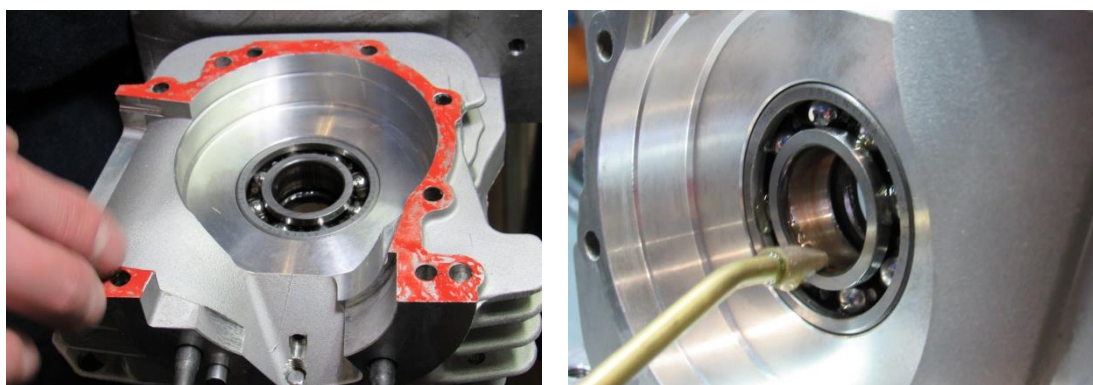
In this step, tighten the screws to approximately 8 Nm (70 lb-in). Check the Axial Clearance.

Check the Axial Clearance

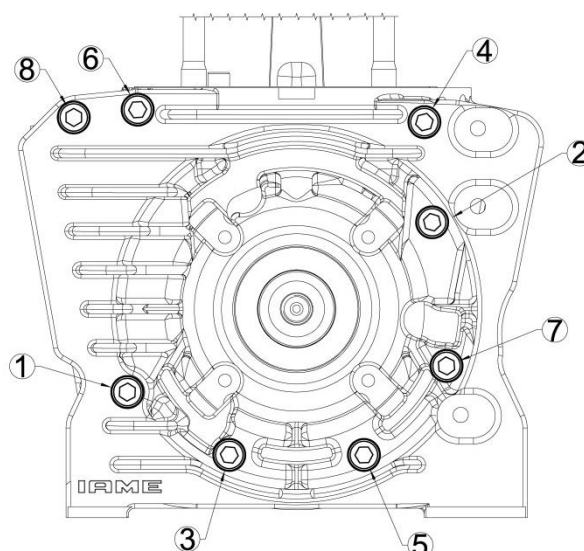
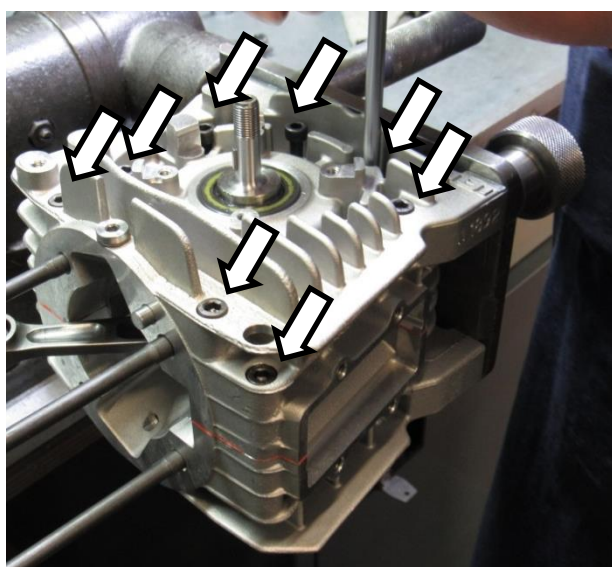
For the check use a check tool for crankshaft axial clearance as in picture. The clearance must be between $0.25 \div 0.35\text{mm}$. If lower or higher disassemble the crankcase, extract the bearing and use different steel shims ($0.10/0.15/0.20$) to recover clearance. Shims must be equally positioned.



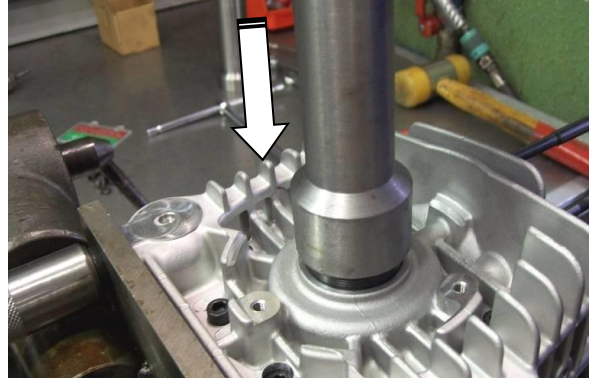
Once the correct clearance is achieved, disassemble the crankcase cleaning the surface with diluent and apply liquid gasket (Motorseal or equivalent) on one side of crankcase half. Be careful to clean eventual excess of product. Lubricate crankshaft seat before insertion, prevent oil from falling onto liquid gasket.



Reassemble crankcase. Fixing n°7 Screws (n°5 M6x45 n°3 M6x60), tighten with ALLEN WRENCH 5mm. Tighten with a torque of 10 Nm (90 lb-in).



Where necessary change the oil seal, apply special grease on lips before inserting (mark on seal to be outside), use special tool as in drawing S 725 / 1.



ATTENTION:
THE OIL SEAL SHOULD BE REPLACED AFTER MAX 10 HOURS AND ALWAYS WHEN DISASSEMBLED

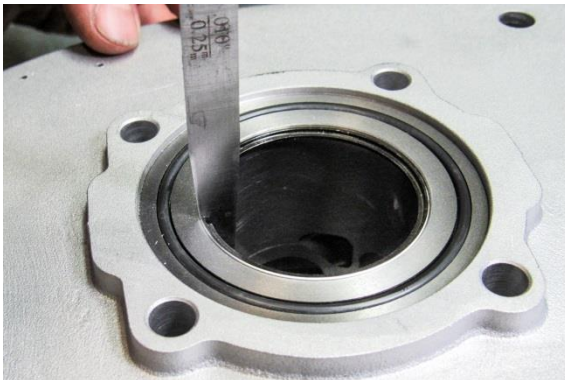
Install Piston

Check status of roller cage, the cage must be replaced after use of 160 litres or 20 hours.
Check status of piston pin, must be replaced when replacing piston or 10÷20 hours.

SEE ATTACHMENT ON MATCHING SELECTIONS

ATTENTION
FIRST CHECK THE PISTON RING END GAP USING A THICKNESS GAUGE. MEASURE THE END GAP OF THE PISTON RING WHEN INSERTED IN THE CYLINDER. GAP SHOULD BE $0.15 \div 0.40$ REPLACE THE PISTON RING IF THE END GAP EXCEEDS 0.50mm.

Install ring on the piston.



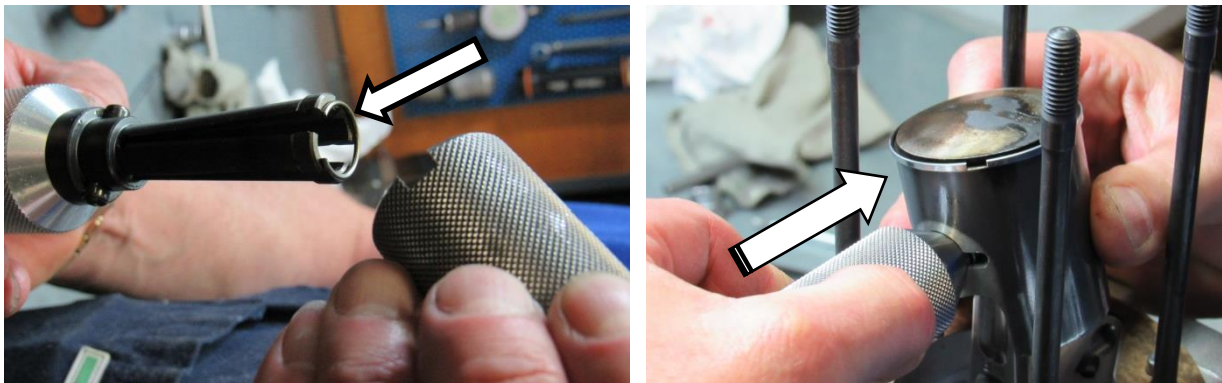
ATTENTION
CLEARANCE BETWEEN PISTON AND LINER MUST BE $0.090 \div 0.095$ mm, IF CLEARANCE IS HIGHER THAN 0.14mm THE PISTON MUST BE REPLACED (AN INSPECTION MUST BE CARRIED OUT AFTER ABOUT A USE OF 45 LITERS OR 5 HOURS OF USE, AND THE PISTONS ARE MEASURED AT 17.5mm FROM BOTTOM. ALWAYS REPLACE PISTON COMPLETE WITH THE RING.

Match piston, pin, cage the same as shown on the attachment, insert pin and cage on the piston.
Lubricate any components. Make sure that the arrow on top of the piston is towards the exhaust. As a general rule, the pin must be inserted in the hole with a little force. If tolerance is slack, replace it with a higher diameter pin. Using piston pin punch as guide.



Position Circlip On Tool

Grease tool to keep circlip in place, use TOOL P.N. 10120, insert circlips and check that both the circlips are correctly in seat.



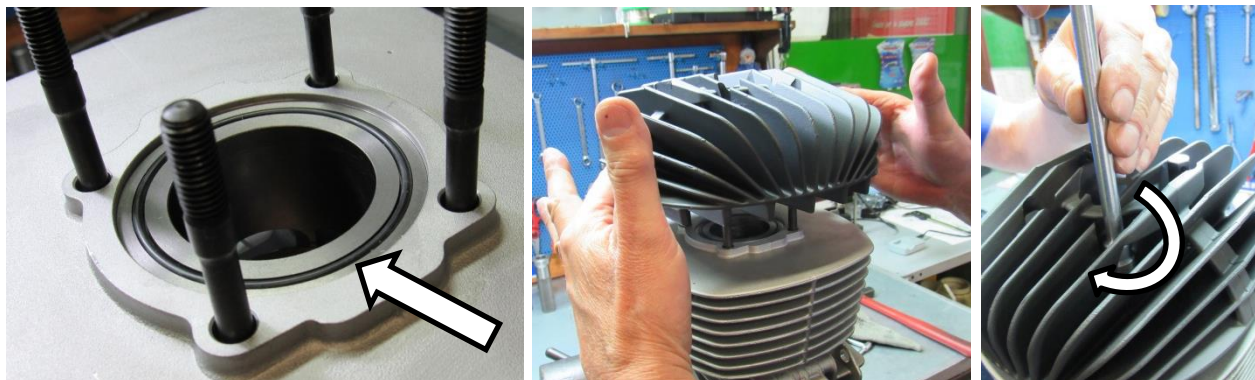
Install a New Cylinder Gasket and the Cylinder

Lubricate the cylinder and piston, install cylinder.



Check status of cylinder head, clean from deposits, do not scratch combustion chamber.

After the check, install O-Ring and cylinder head. Install n°4 head washer, then tighten n°2 Nuts M8 and n°2 Column nuts M8 with SOCKET WRENCH 13mm T-TYPE (18÷22Nm – 160÷190lb-in).



Re-Assembly of The Clutch

Before assembling the clutch, wash with the diluent: the shaft cone, the starter wheel and the clutch drum.

Assemble the starter wheel on the clutch hub, tighten n°3 M6 TCEI with ALLEN WRENCH 5mm – T TYPE (10÷12 Nm – 90÷110 lb-in) and the dragging pin. Apply “Loctite” thread locker on screws.

ATTENTION:
IT'S NECESSARY TO ALWAYS INSTALL Ø7mm PIN, EVENTUAL KICKS COULD SHEAR THE SCREWS

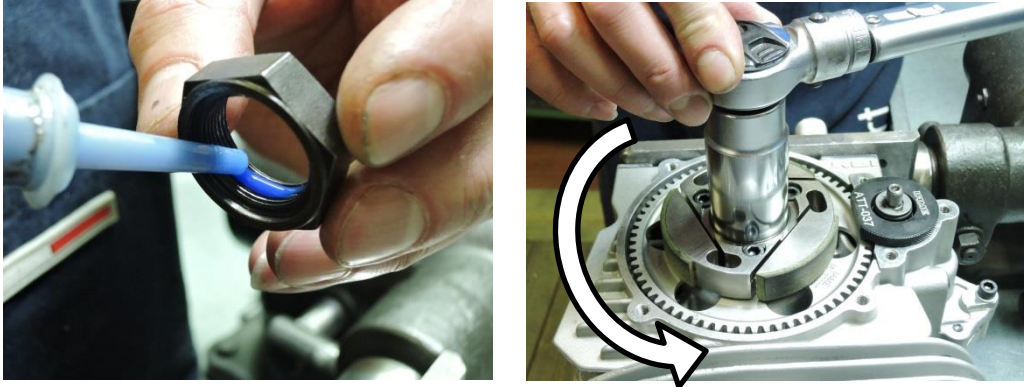


Apply “Loctite 641” for coaxial locking. Place the clutch hub and the starter wheel on the shaft. Insert on the crankshaft and position the ATT.037 STARTER WHEEL LOCKING TOOL.



Apply the "Loctite" thread locker. Assemble fixing nut, clutch hub and starter wheel, using the STARTER WHEEL LOCKING TOOL and SOCKET WRENCH 27mm (torque 100÷110Nm 900÷990lb-in).

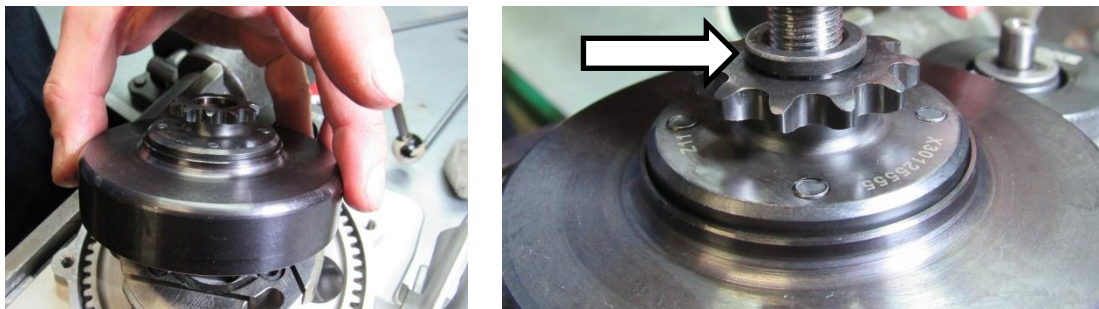
WARNING: SCREW COUNTER CLOCKWISE AS THE NUT HAS LEFT-HAND THREAD.



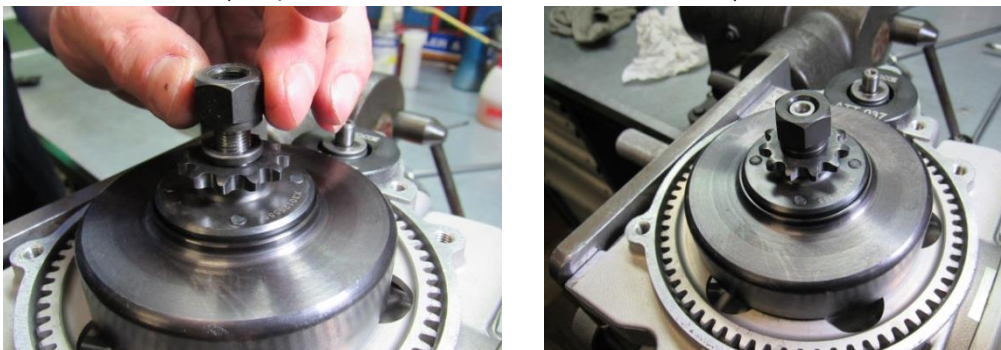
Assemble the internal washer (the bevel of the washer hole must be towards the shaft). Install the O-Ring. Clean the roller cage and grease it before assembling it on the shaft.



Mount the clutch drum and external washer (the bevel of the washer hole must be towards the shaft).

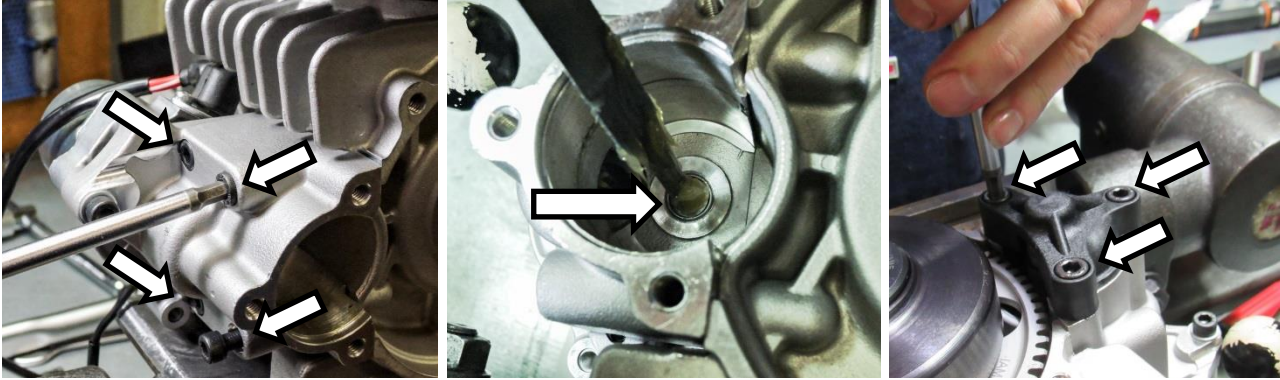


With the ATT.037 STARTER WHEEL LOCKING TOOL, tighten the drum retaining nut (nut M10). Use RING WRENCH 17mm (torque at 30÷40 Nm – 270÷360 lb-in).



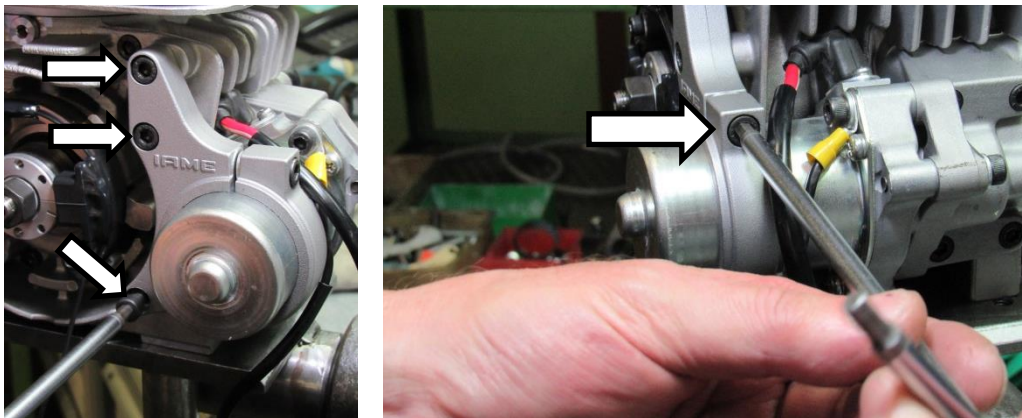
Installation of Bendix Support

Fit n°4 Screw M6x45 use 5mm ALLEN WRENCH – T TYPE (torque at $8 \div 10$ Nm – $70 \div 90$ lb-in). Grease the Bendix cage, insert the Bendix and fit the cover, n°3 M6x25 with 5mm ALLEN WRENCH – T TYPE (torque at $6 \div 8$ Nm – $55 \div 70$ lb-in).



Installation of the Starter Support

Place the support on the crankcase and tighten the n°3 M6x25 and n°1 M6x30, use 5mm ALLEN WRENCH – T TYPE (torque at $8 \div 10$ Nm – $70 \div 90$ lb-in).

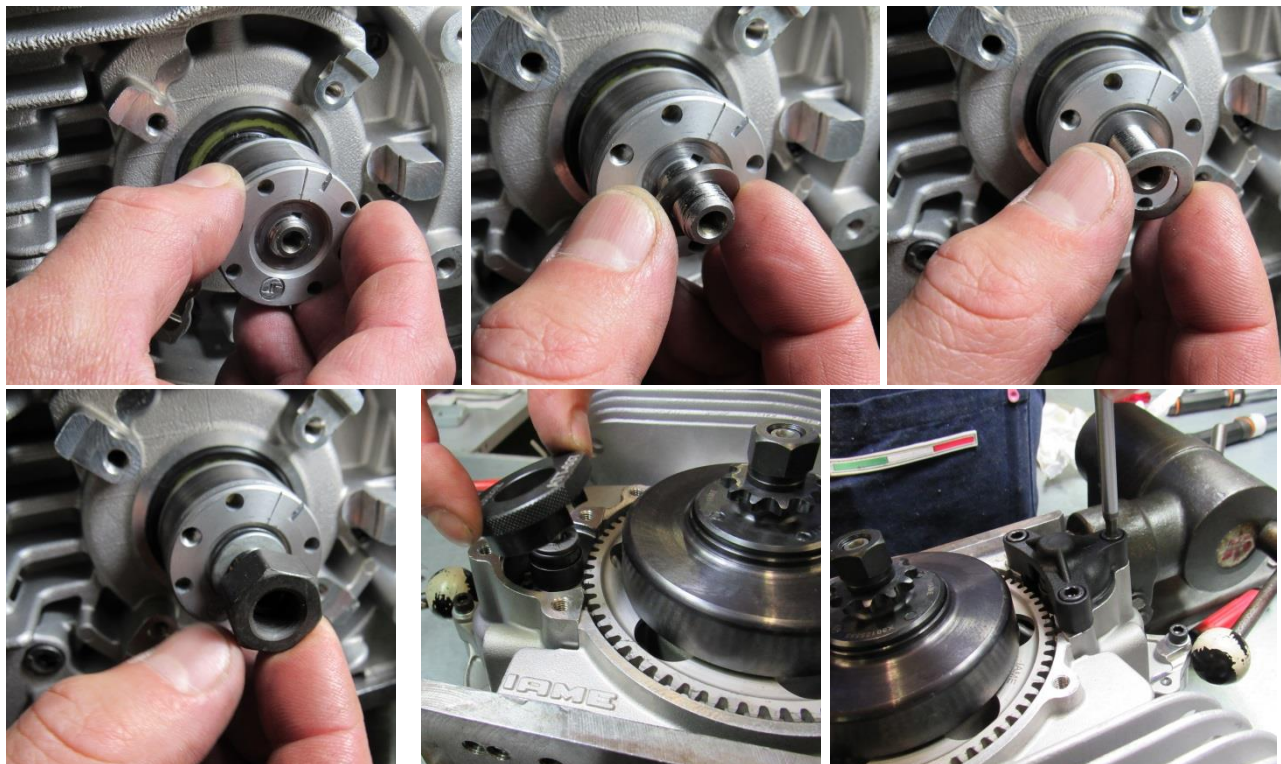


Re-Assemble The Ignition

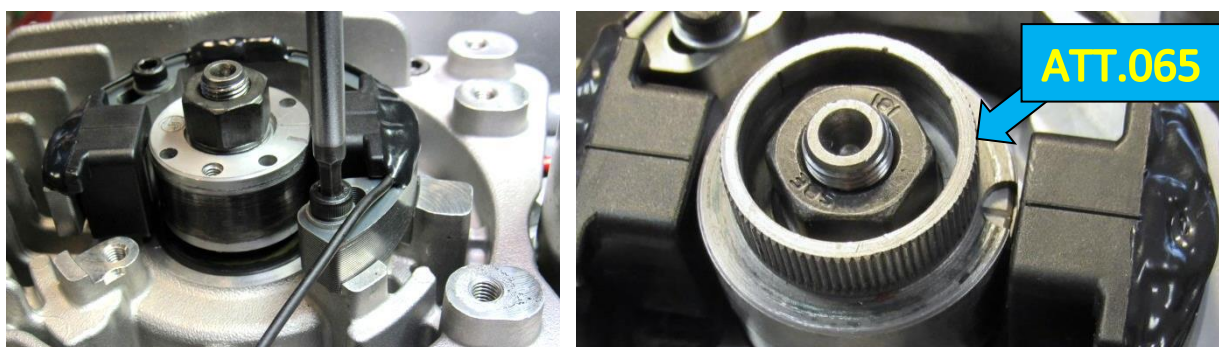
Install ignition rotor on shaft, the spacer-washer , the knurled washer and the nut M10. Remove the Bendix cover if was installed. Tighten all with a 12 POINT WRENCH 17mm and ATT.037 STARTER WHEEL LOCKING TOOL in position.

Then remove ATT.037 STARTER WHEEL LOCKING TOOL, and install the Bendix cover.

Tighten n°3 M6x25 with 5mm ALLEN WRENCH – T TYPE (torque at 6÷8 Nm – 55÷70 lb-in).



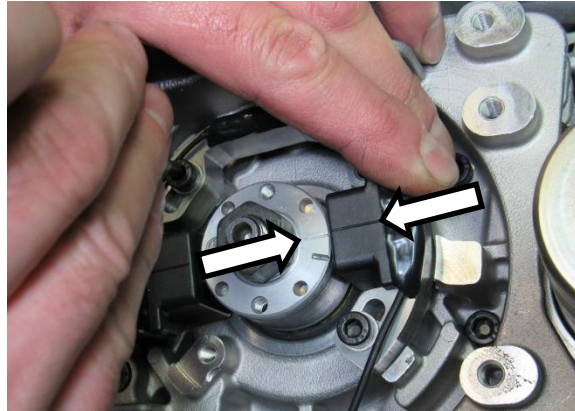
Install the ignition stator on the crankcase, position the washer and tighten but not completely n°2 M5x25 screws. Use 4mm ALLEN WRENCH – T TYPE.



Place the ATT.065 STATOR CENTERING TOOL over the ignition rotor to ensure the correct clearance between stator and rotor is set.

Ignition Timing

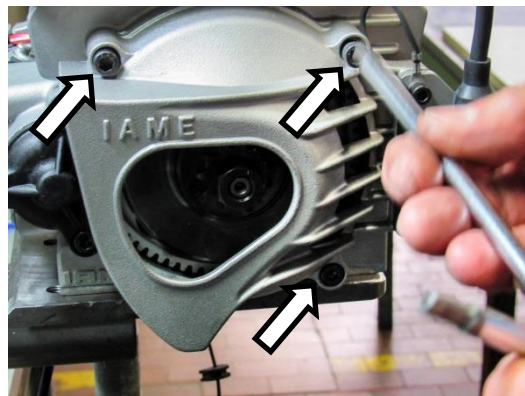
Install dial gauge with adapter on head, rotate rotor until piston is at T.D.C. put dial gauge at zero. Looking at the ignition, turn rotor clockwise 2.1mm, fix rotor to avoid it from turning. Rotate the stator until the two marks (on rotor and stator) match. Fix stator with n°2 screw TCEI M5x25 with 4mm ALLEN WRENCH – T TYPE (torque at $5 \div 6$ Nm – $45 \div 55$ lb-in).



Ignition timing is completed.

Install the Clutch Cover

Reassemble the clutch cover, tighten n°3 M6x30 with 5mm ALLEN WRENCH – T TYPE (torque at $8 \div 10$ Nm – $70 \div 90$ lb-in).



Install the Spark-plug

Tighten with 20.8mm SOCKET WRENCH – T TYPE (torque at $20 \div 26$ Nm – $70 \div 90$ lb-in).



Install the Reed Pack

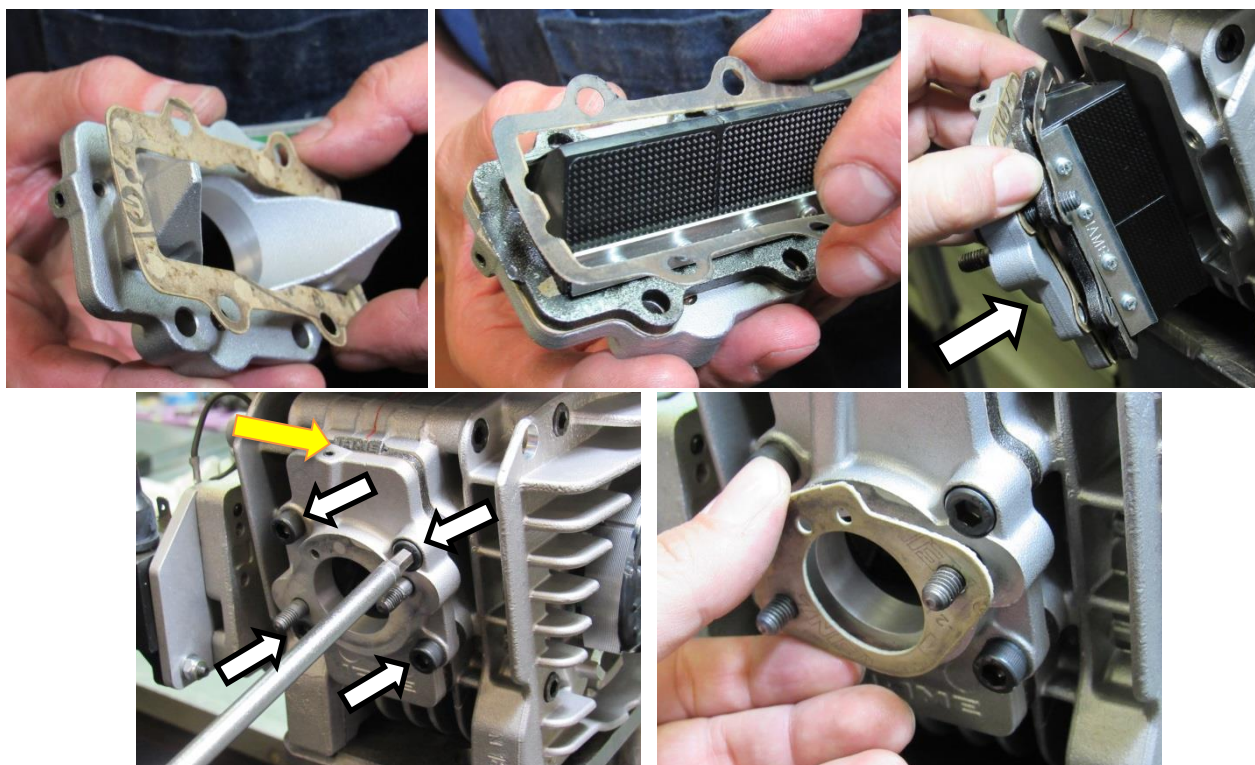
Place the inner gasket on inlet conveyor, check status.

ATTENTION

FIRST CHECK STATUS OF REED PETALS BEFORE INSTALLING THE REED PACK. REPLACE PETALS IF CRACKED, OR IF LOOKING WITH BACK LIGHT, THE PETALS DO NOT SHUT PERFECTLY, LOOSEN THE N°8 SCREWS AND INSERT NEW PETALS WITH BOTTOM CUT TOWARDS RIGHT.

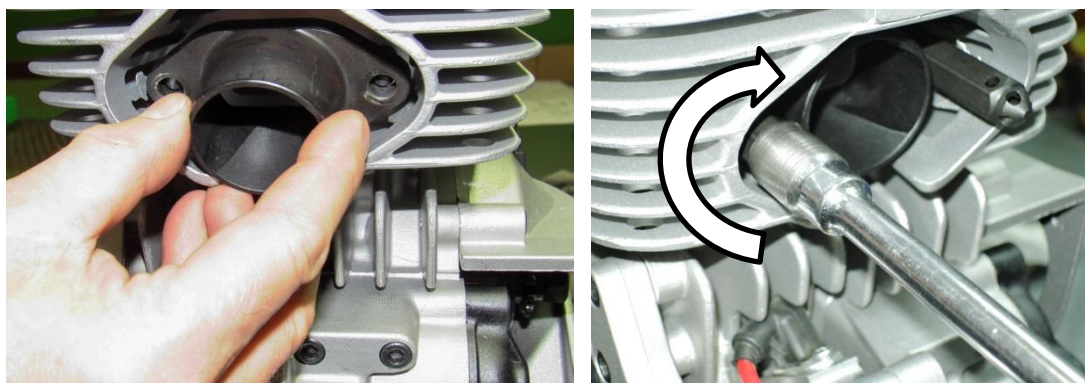
Position the reed pack and its gasket, install the reed pack group into the inlet seat of the engine, with IAME marking on top, check before tightening.

Tighten n°4 TCEI M6x25 with ALLEN WRENCH 5mm T TYPE. Install the carburettor gasket.



Install the exhaust manifold

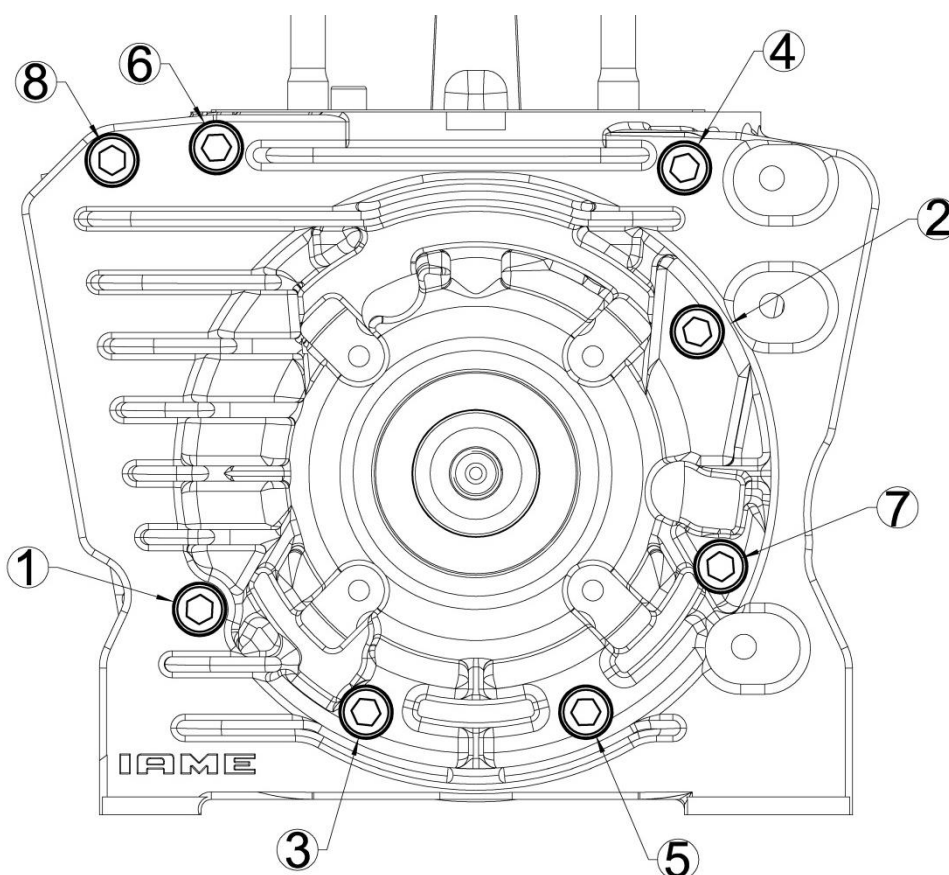
Place gasket and install the exhaust manifold. Insert washers and tighten n°2 COLUMN NUTS M8.



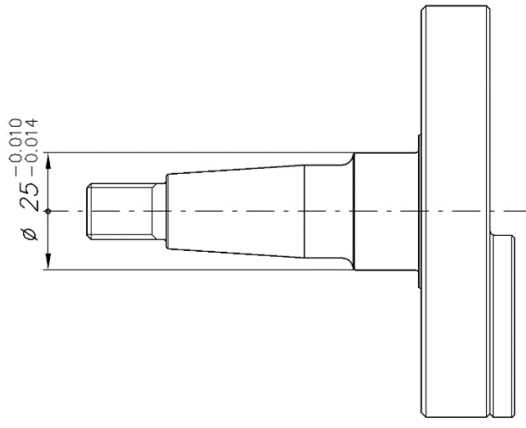
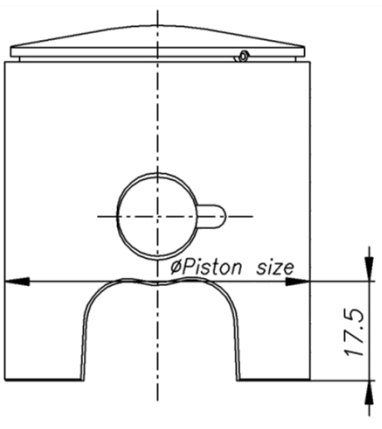
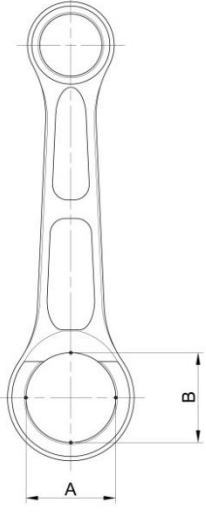
FASTENER TORQUE VALUE

NOMINAL SIZE	Q.TY	FASTENER NAME	WRENCH	VALUES (Nm)	VALUES (lb-in)
M14x1,25	1	Spark Plug	Hex.20,8	20 ÷ 26	175 ÷ 230
M8x1,25	4	Head and Cylinder Nuts	Hex.13	18 ÷ 22	160 ÷ 190
M8x1,25	2	Exhaust manifold Stud Nuts	Hex.13	18 ÷ 22	160 ÷ 190
M6x1	4	Reed Group Screws	Allen 5	8 ÷ 10	70 ÷ 90
M5x0,8	3	Coil Attach Screws	Allen 4	5 ÷ 6	45 ÷ 50
M5x0,8	2	Ignition Stator Fixing Screws	Allen 4	5 ÷ 6	45 ÷ 50
M10x1	1	Ignition Rotor Fixing Nuts	Hex.17	20 ÷ 26	175 ÷ 230
M6x1	3	"Bendix" Support Cover Screws	Allen 5	6 ÷ 8	55 ÷ 70
M6x1	4	"Bendix" Support Screws	Allen 5	6 ÷ 8	55 ÷ 70
M6x1	4	Starter Support Fixing Screws	Allen 5	8 ÷ 10	70 ÷ 90
M6x1	3	Clutch Cover Fixing Screws	Allen 5	8 ÷ 10	70 ÷ 90
M10x1	1	Clutch Drum Fixing Nut	Hex.17	30 ÷ 40	260 ÷ 350
M20x1	1	Starter Ring Fixing Nut	Hex.27	100 ÷ 110	900 ÷ 990
M5x0,8	4	Engine Sprocket Fixing Screws	Allen 3	6 ÷ 8	55 ÷ 70
M6x1	3	Starter Ring Fixing Screws	Allen 5	10 ÷ 12	90 ÷ 110
M6x1	8	Crankcase Fixing Screws	Allen 5	8 ÷ 10	70 ÷ 90

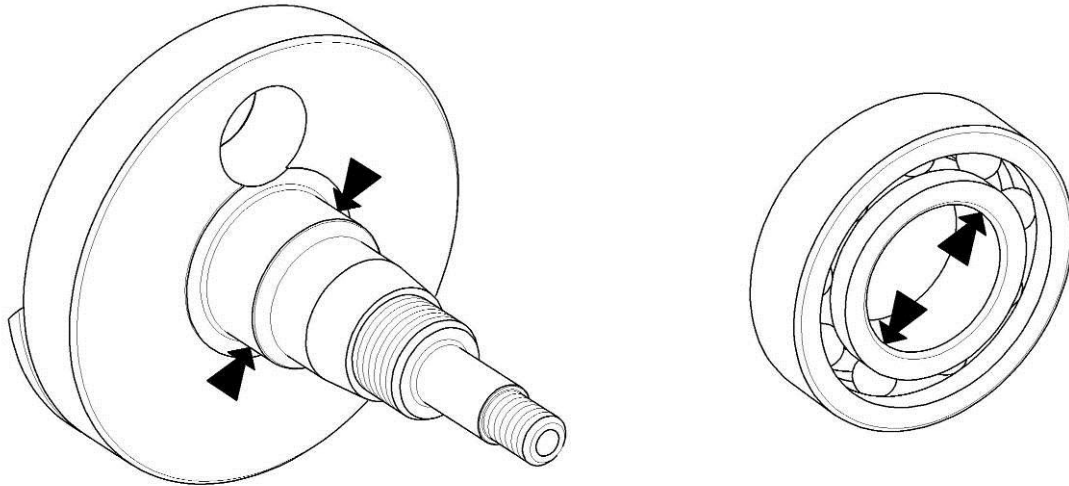
CROSS PATTERN LOCKING ORDER ON CRANKCASE



MAIN PRESCRIPTIONS

ENGINE CRANKSHAFT	MATCHING THE PISTON
 <p>Bearing seat diameter on new engine</p> <p>Refer to the attached table to define the state of wear of the drive shafts.</p> <p>The replacement operation must be carried out when size is lower than 0.03mm vs. original.</p>	 <p>! ATTENTION: <u>Clearance between piston and liner must be: 0.090 / 0.095mm.</u></p> <p><u>If clearance is higher than 0.14mm, the piston must be replaced.</u></p>
MAX ALLOWED OVALIZATION ON CONROD	
 <p>Max. allowed ovalization between A and B on new conrod: 0.002mm</p> <p>Max. allowed ovalization between A and B on used conrod: 0.01mm</p> <p>! An inspection must be carried out after about 30 hours use. When ovalization reaches 0,01mm (the difference between the measured diameter in the positions shown below "A" and "B") the conrod must be replaced.</p> <p>The replacement operation must be carried out about a use of 60 hours.</p>	<p>! An inspection must be carried out after about a use of 45 litres or 5 hours of use, and the pistons are measured at 17.5mm from bottom.</p> <p>The replacement operation must be carried out about a use of 10 hours or 80 litres.</p> <p>Size of the liner to be matched with piston is marked on top of piston.</p> <p>Allowed ring gap 0.15÷0.40 mm.</p>
	ESTIMATED AVERAGE LIFE OTHER COMPONENTS
	<p>Big End Conrod Roller Bearing + Crankpin + silver washers = 30 hours</p>
	<p>Little End Conrod Roller Bearing + Piston Pin = 10 to 20 hours</p>

WEAR STATUS EVALUATION CHART BEARINGS AND HALF CRANKSHAFT



NOTE:

ALWAYS CHECK DIMENSIONS IN DIFFERENT POINTS ON THE CIRCUMFERENCE, LOOKING FOR EVENTUAL OVALIZATIONS.

The following chart shows the ovalization limits over which replacement is required

MEASURED PART (MEASURING INSTRUMENT)	LIMITS	Replace after Hours for Using
CRANKSHAFT – BEARING SEAT (MICROMETER 25÷50 1/100)	MIN. Ø24.96	DEPENDING ON WEAR RATE
CRANKSHAFT BEARINGS (1/100 BORE GAUGE WITH CHECK RING Ø25)	* MAX. Ø25.03	30h

* **ATTENTION:**

THE MEASURED VALUE ON THE BEARING MUST ALWAYS BE COMPARED WITH THE SEAT VALUE (ON SHAFT), TO CHECK THAT PLAY BETWEEN SHAFT AND BEARING DOES NOT EXCEED THE LIMIT VALUE OF 0.05mm.

MATCHING PLAYS - CONROD LOWER END				
CONROD END	Ø CRANK PIN	ØROLLERS ON CAGE	PLAY	
			MIN.	MAX.
$26^{+0.024}_{+0.020}$	$20^{-0.004}_{-0.008}$	$3^0_{-0.002}$	0.027	0.033

MATCHING PLAYS - CONROD UPPER END					
CONROD END	Ø PISTON PIN		ØROLLERS ON CAGE	PLAY	
	RED	WHITE		MIN.	MAX.
$18^{+0.016}_{+0.012}$	$14^{+0.002}_0$		$2^0_{-0.002}$	0.010	0.020
		$14^0_{-0.002}$		0.012	0.022
			$14^{-0.002}_{-0.004}$	0.014	0.024

OVERHAUL TOOL LIST

SPECIFIC TOOLS AVAILABLE AT IAME

<u>DESCRIPTION</u>	<u>P.N.</u>
• PISTON STROKE LOCKER	10271
• CLUTCH PULLER	ATT.026
• PISTON PIN PUNCH	10200
• PISTON CIRCLIP ASSEMBLY TOOL	10120
• CRANKSHAFT ASSEMBLY KIT	10110-A
<i>it includes:</i>	
- <i>crankpin bush</i>	10150A
• KIT CRANKSHAFT DISASSEMBLY KIT	10100 – C2
<i>it includes:</i>	
- <i>Crankshaft plate</i>	10104A
- <i>Crankshaft support</i>	10100
- <i>Crankpin pusher</i>	10107
- <i>crankshaft insert</i>	10106
• TIMING CHECK TOOL	10192
• VOLUMETER	ATT.063 / 2
• STATOR CENTERING TOOL	ATT.065

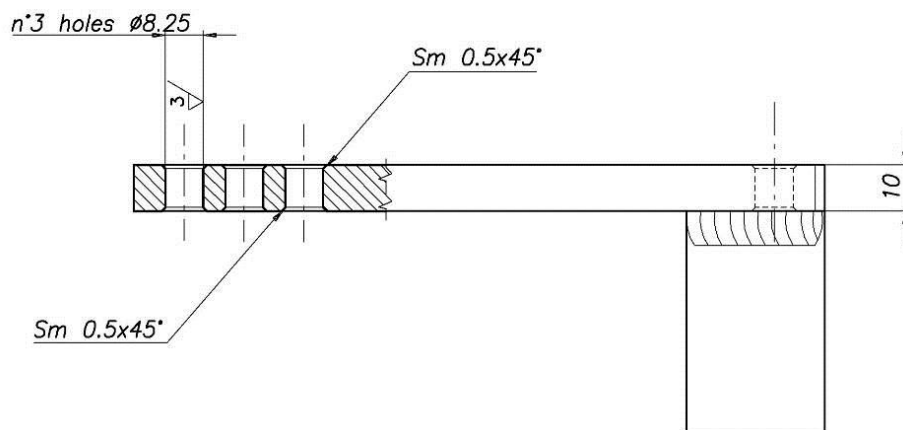
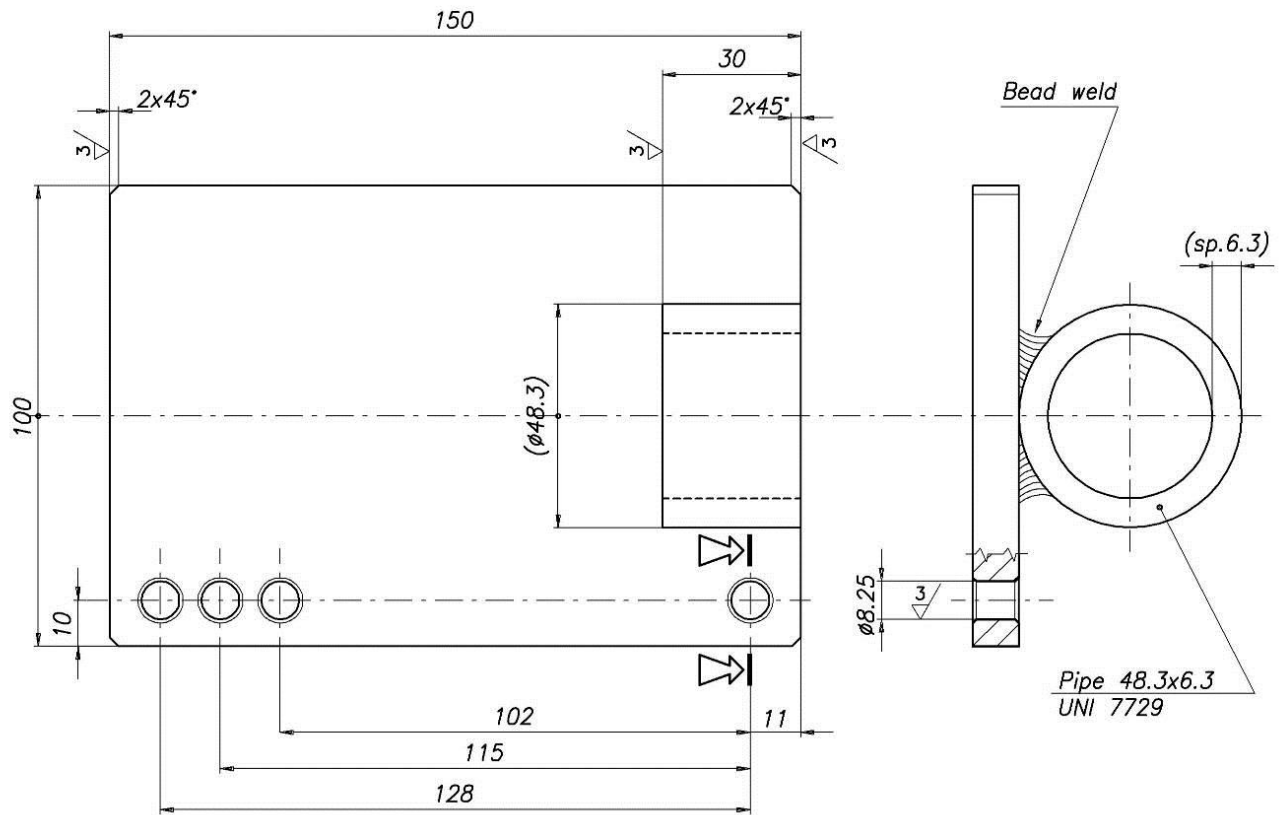
SPECIFIC TOOLS – DRAWINGS ONLY – Draw. S725/1

- ENGINE FIXING TOOL
- BEARING DISASSEMBLY TOOL
- BEARING ASSEMBLY TOOL

STANDARD TOOLS

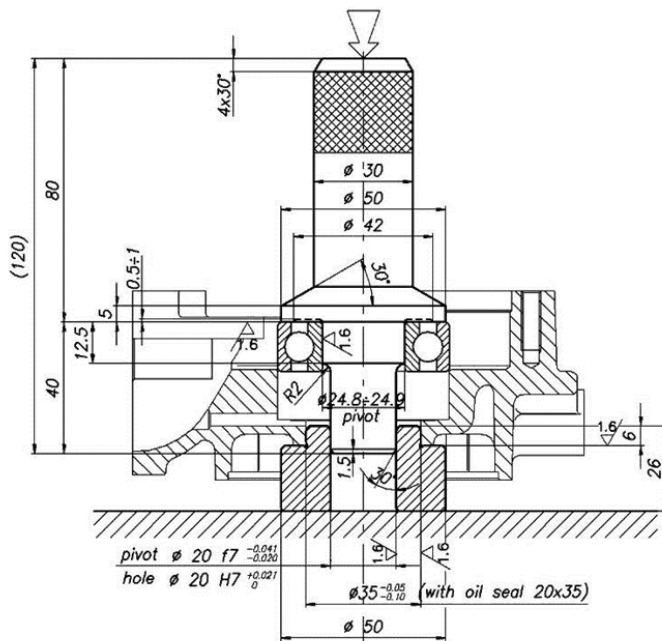
- | | |
|----------------------------------|-------------|
| • ALLEN WRENCH T TYPE | 4mm |
| • ALLEN WRENCH T TYPE | 5mm |
| • SOCKET WRENCH T TYPE | 10mm |
| • SOCKET WRENCH T TYPE | 13mm |
| • 12 POINT WRENCH | 13mm |
| • 12 POINT WRENCH | 17mm |
| • 12 POINT WRENCH | 27mm |
| • SOCKET WRENCH – T TYPE | 20.8mm |
| • SCREWDRIVER WITH ROUNDED EDGES | |
| • PLASTIC Mallet | |
| • SOCKET TYPE-DYNAMOMETRIC | 13mm / 10mm |
| • 5 MeT PRESS | |

FIXING TOOL ON BENCH VISE

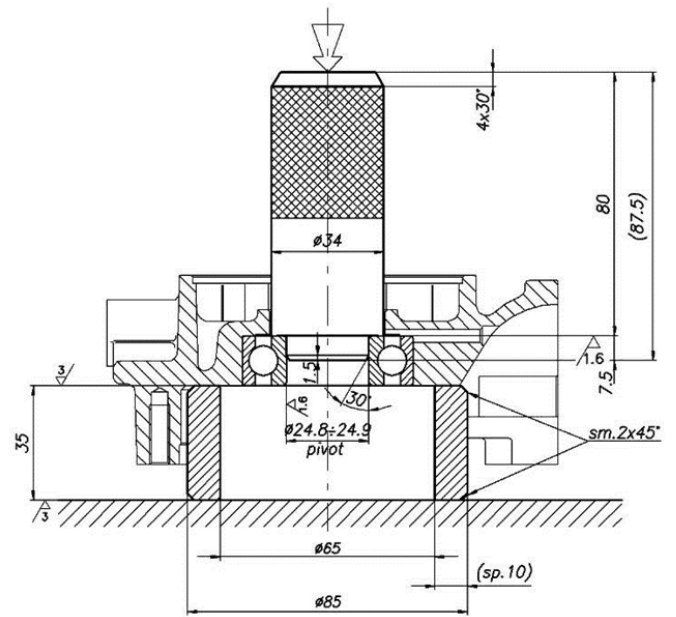


MATERIAL: Steel Fe 50 UNI 5332

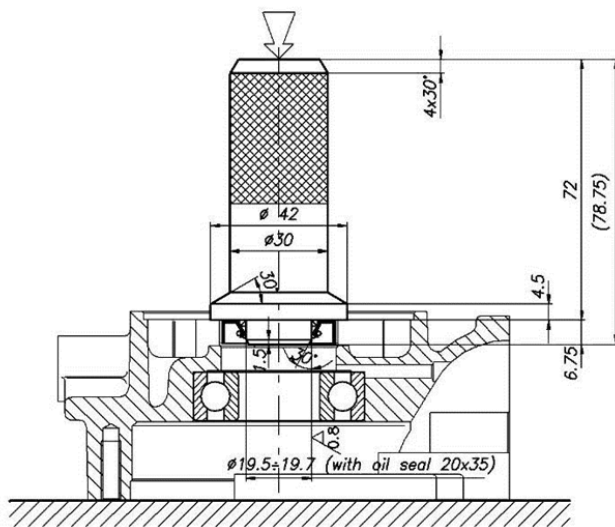
Drawing S725/1



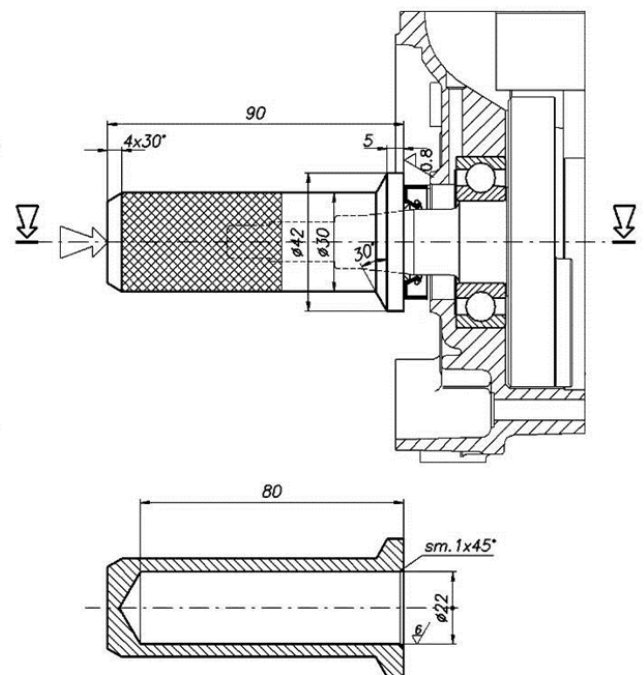
BEARING ASSEMBLY TOOL (Steel C16 cmt. tmp.)



BEARING DISASSEMBLY TOOL (Steel C16 cmt. tmp.)



OIL SEAL ASSEMBLY TOOL WITH (Steel C16 UNI 5331)
DISASSEMBLED CRANKSHAFT



OIL SEAL ASSEMBLY TOOL WITH (Steel C16 UNI 5331)
INSTALLED CRANKSHAFT

WIRING DIAGRAM

