
MARINE SERVICE TRAINING 2005

➤ **Oyster 5**

➤ **Oyster 6**

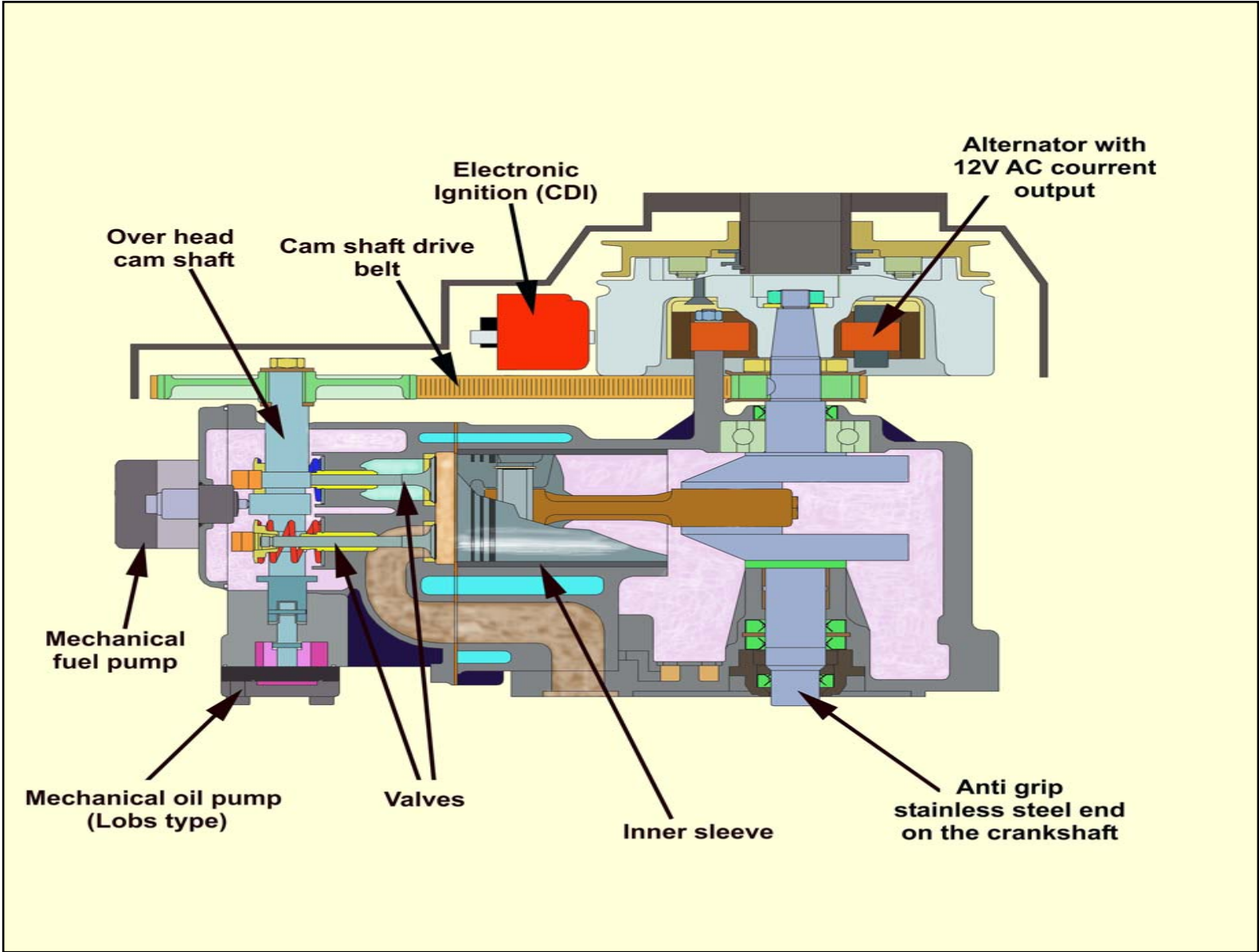


FEATURES

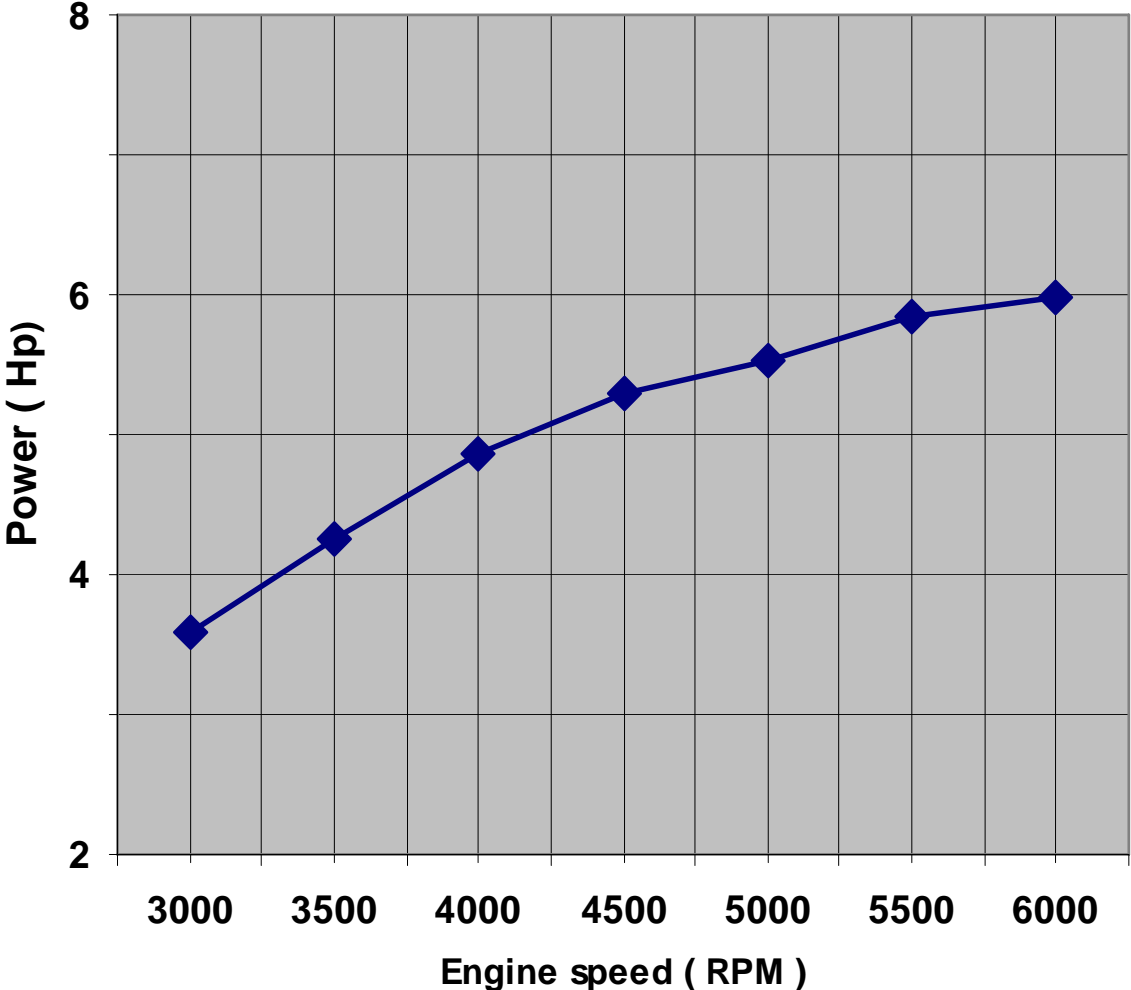


Power Hp	5	6
Power Kw	3,7	4,4
Motor type	4 stroke OHC	
Displacement (cc)	135	
Bore x stroke (mm)	57 x 53	
N° cilindres	1	
N° carburettors	1	
Weight basic version	27 Kg	

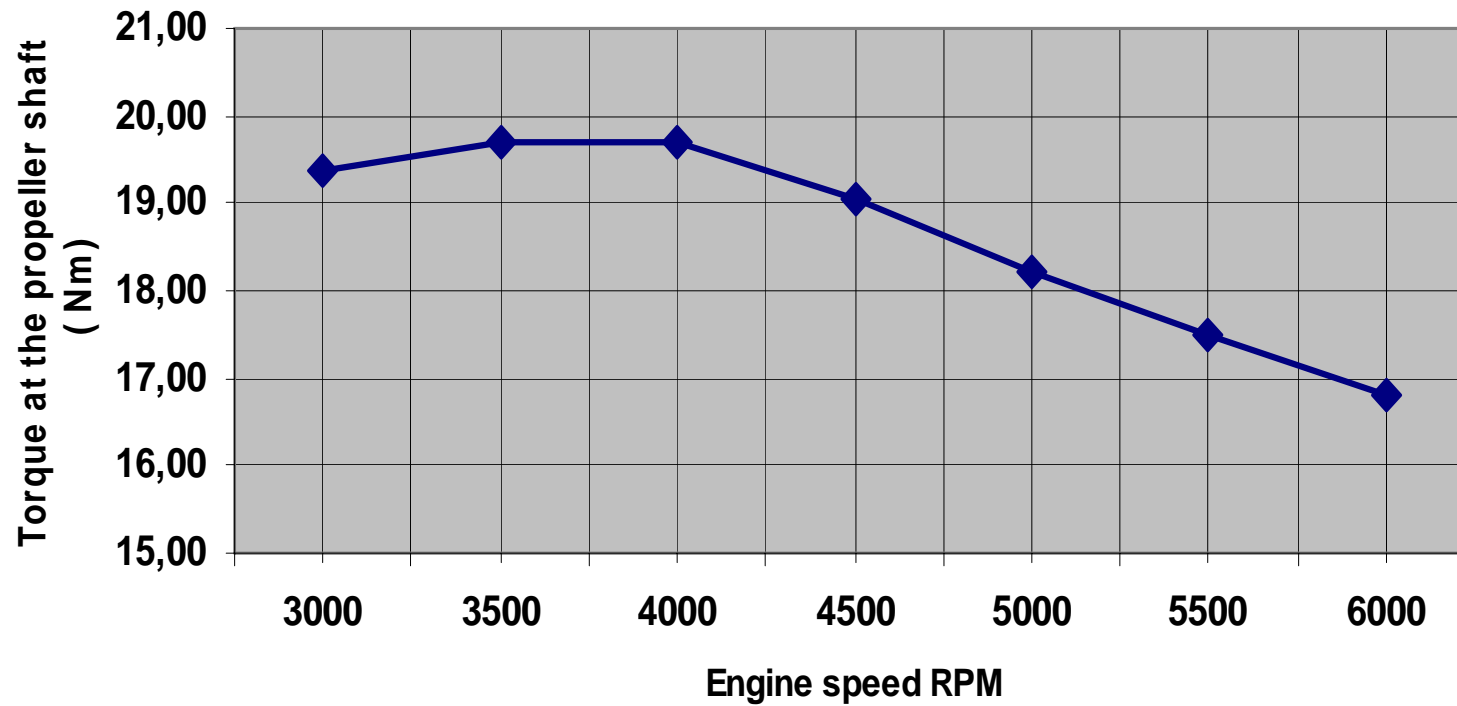
DRAWING



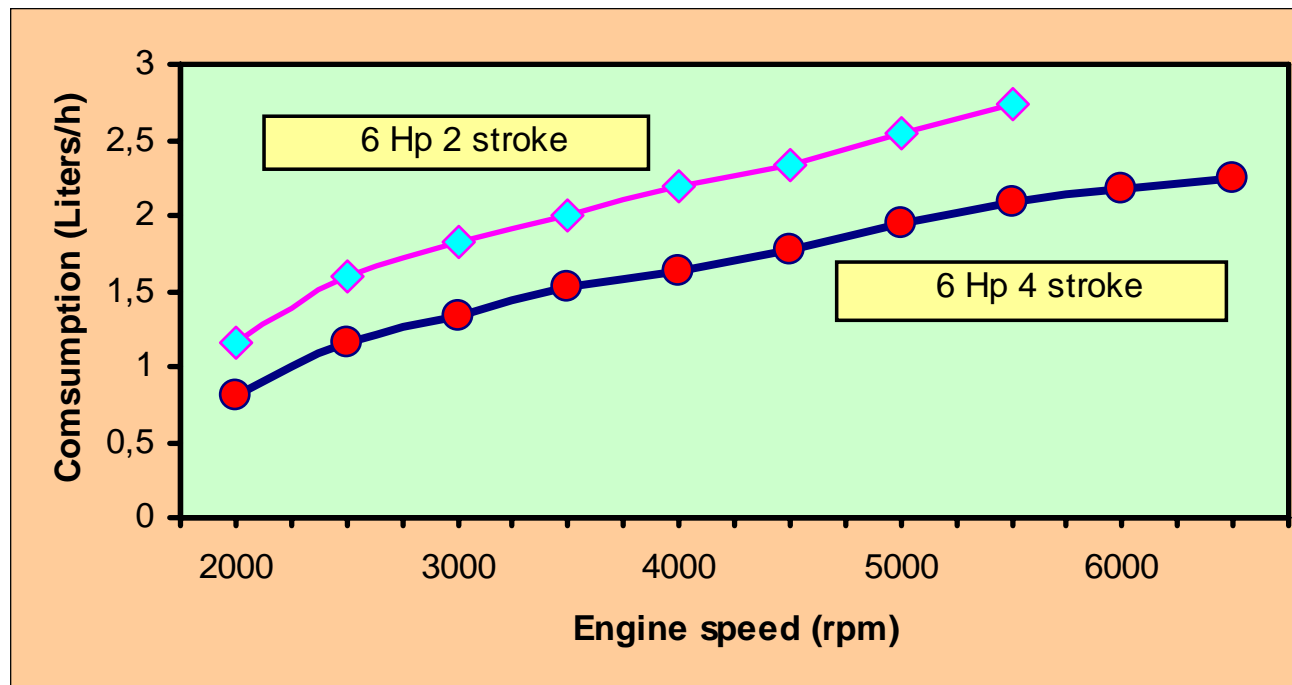
POWER CURVE



TORQUE AT THE PROPELLER SHAFT

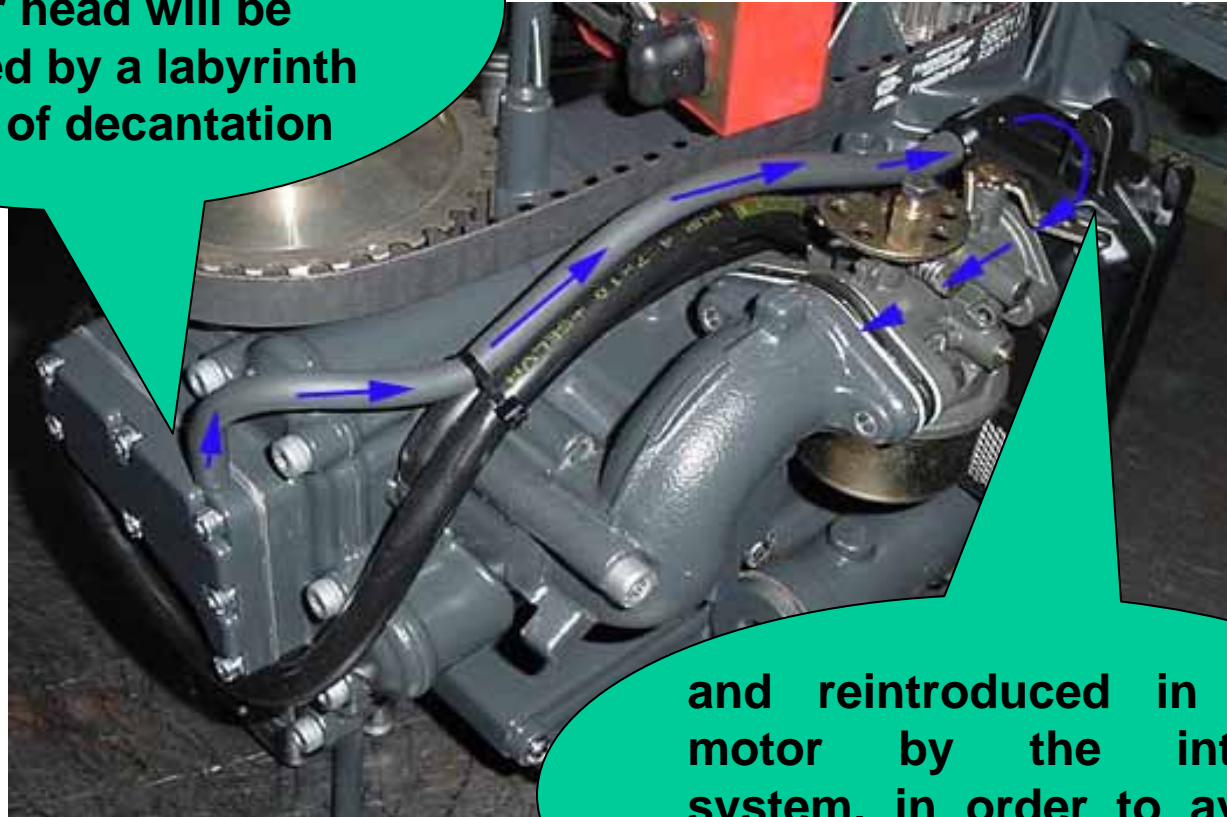


LOW FUEL CONSUMPTION



BLOW-BY SYSTEM

The oil in the gas inside in the cylinder and in the motor head will be recovered by a labyrinth system of decantation



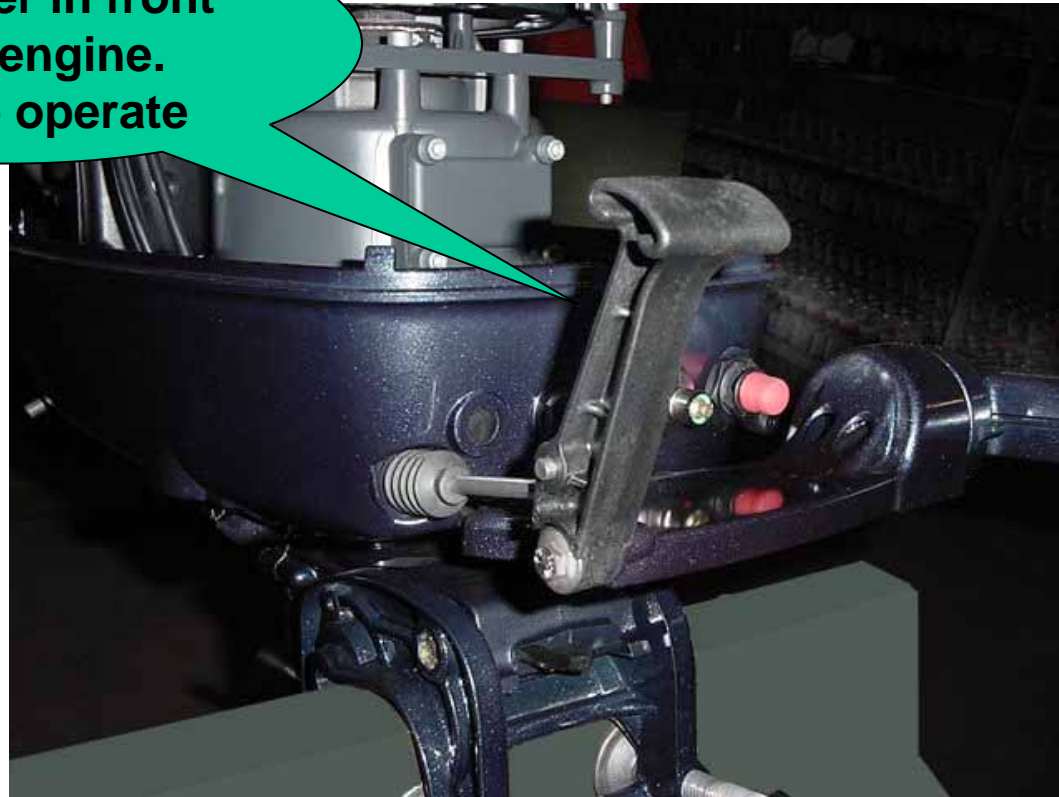
and reintroduced in the motor by the intake system, in order to avoid the dispersion in the atmosphere.

CARTRIDGE OIL FILTER



FRONTAL SHIFT LEVER

Shift lever in front
of the engine.
Easy to operate



FEATURES

Friction screw
on the
accelerator
handling



Steering
friction
screw



FEATURES



System of navigation in shallow water



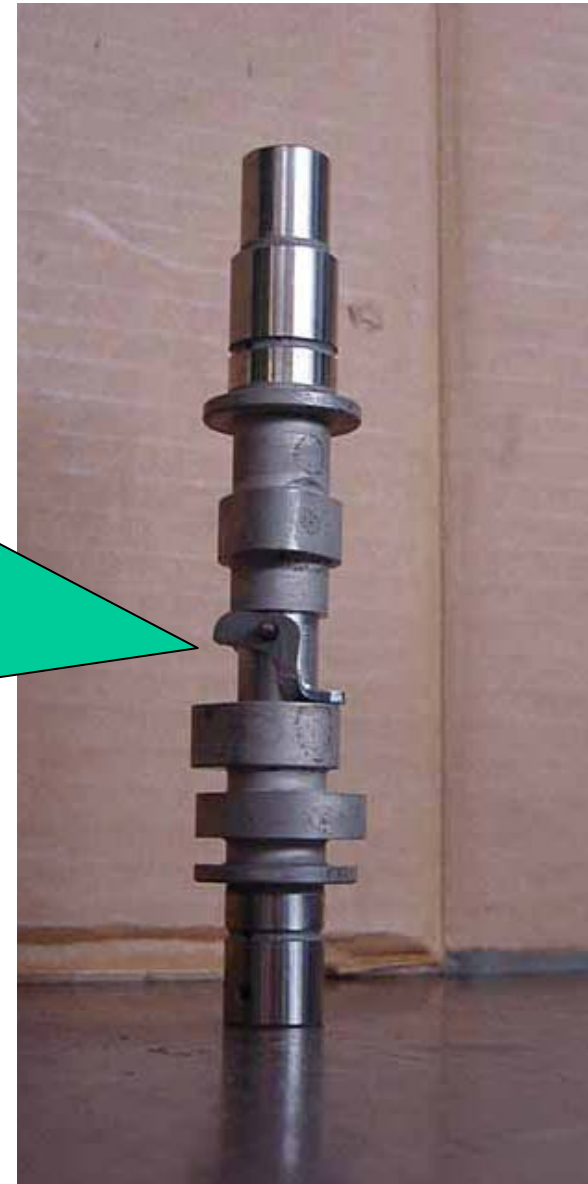
Trim locker lever in front of the engine



EASY STARTING SYSTEM

To make easy the starting, the motor is equipped with an automatic decompression system, that with the switched off motor, acts on the rocker arm of the exhaust valve, let it staying a bit opened.

When the a camshaft start the rotation, the centrifugal power avoids the action decompressor.



SPECIFICATIONS

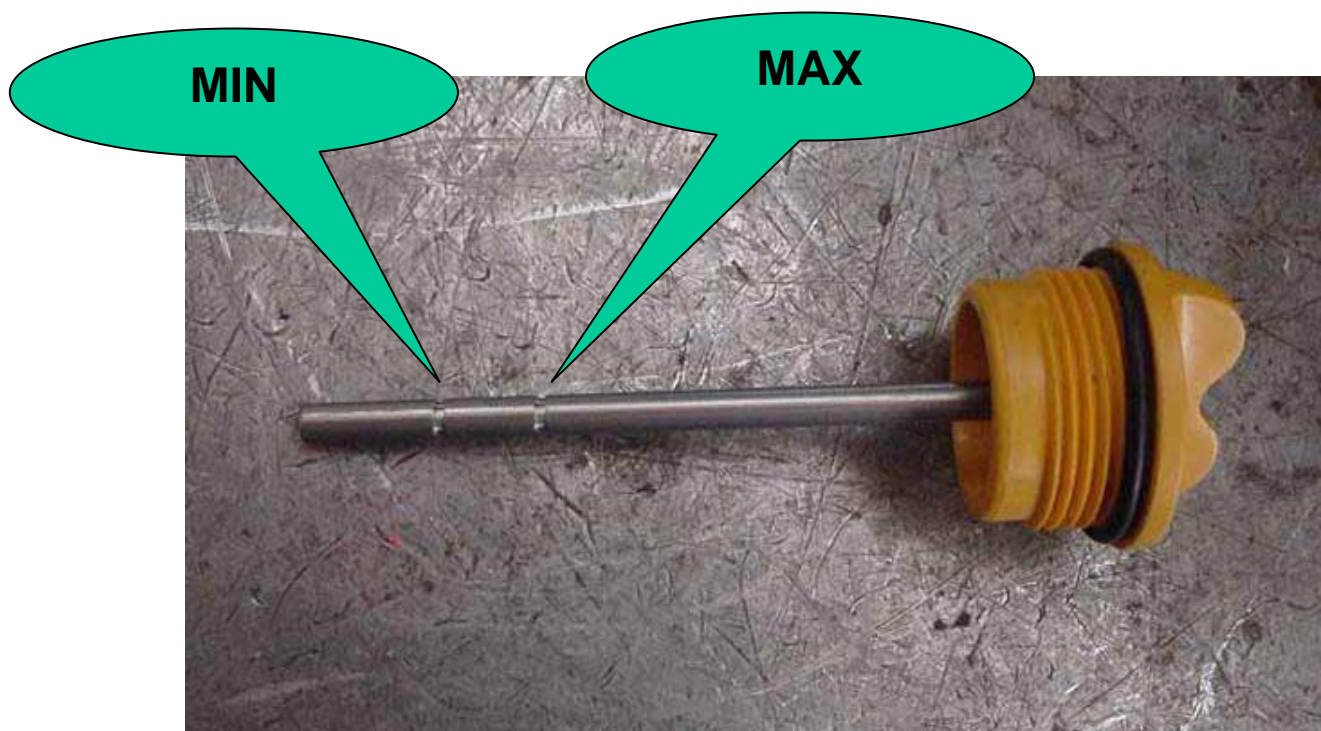


FUEL: UNLEADED PETROL

**MOTOR OIL: API SE, SF, SG,SH,SJ
SAE 10W-30; 10W-40 ;15W-40**

GEAR BOX OIL: API GL5 - SAE 80W-90

MOTOR OIL LEVEL



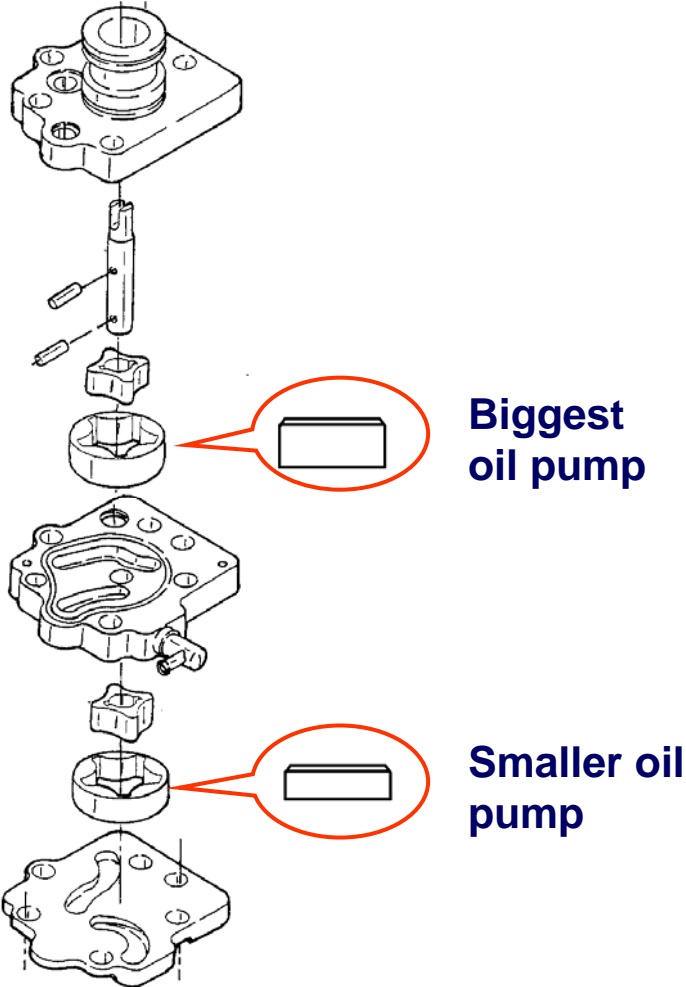
TOTAL QUANTITY: 600 g

MOTOR OIL EXHAUST PLUG

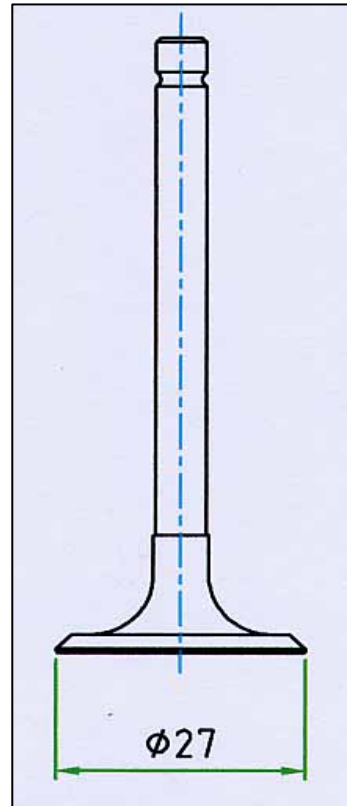


**Oil exhaust
plug**

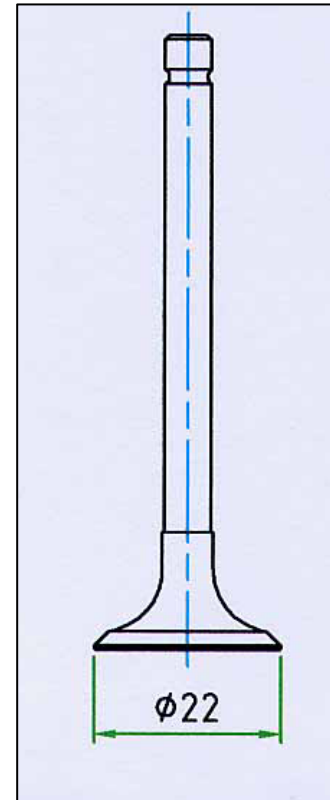
MECHANIC OIL LOBS PUMP



VALVES



Intake valve



Exhaust valve

VALVE CLEARANCE

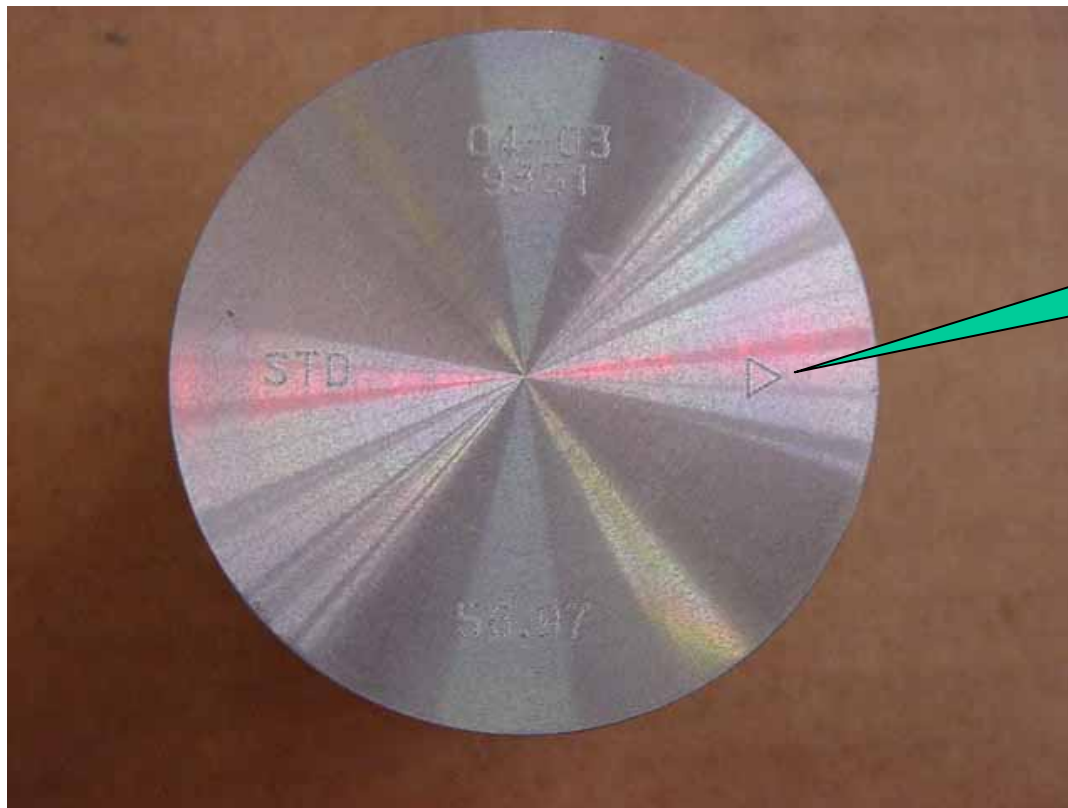


Intake valve: **0,10 mm**

Exhaust valve: **0,20 mm**

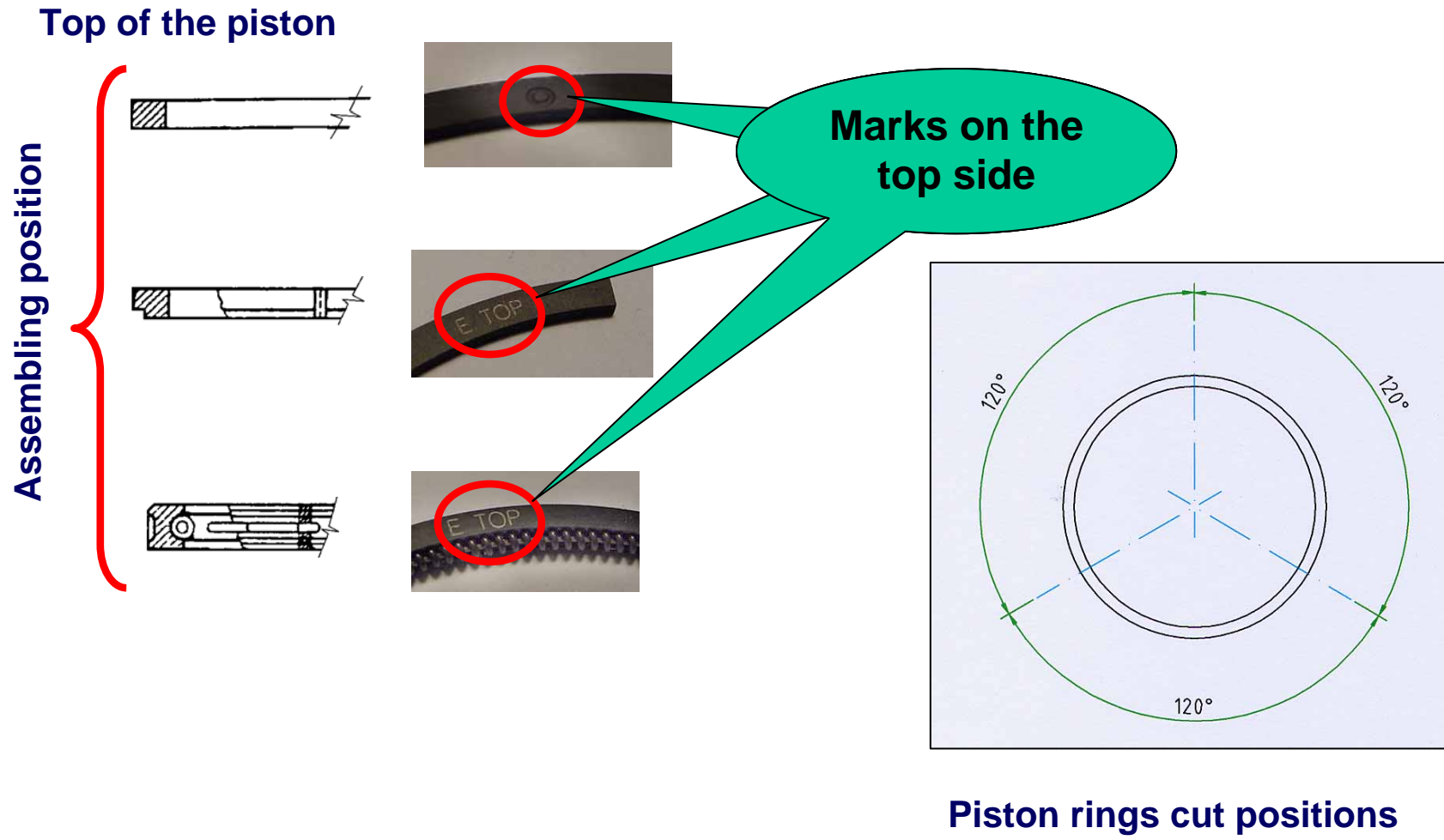
**Measuring with the
valves closed.
Engine cold.**

PISTON ASSEMBLING

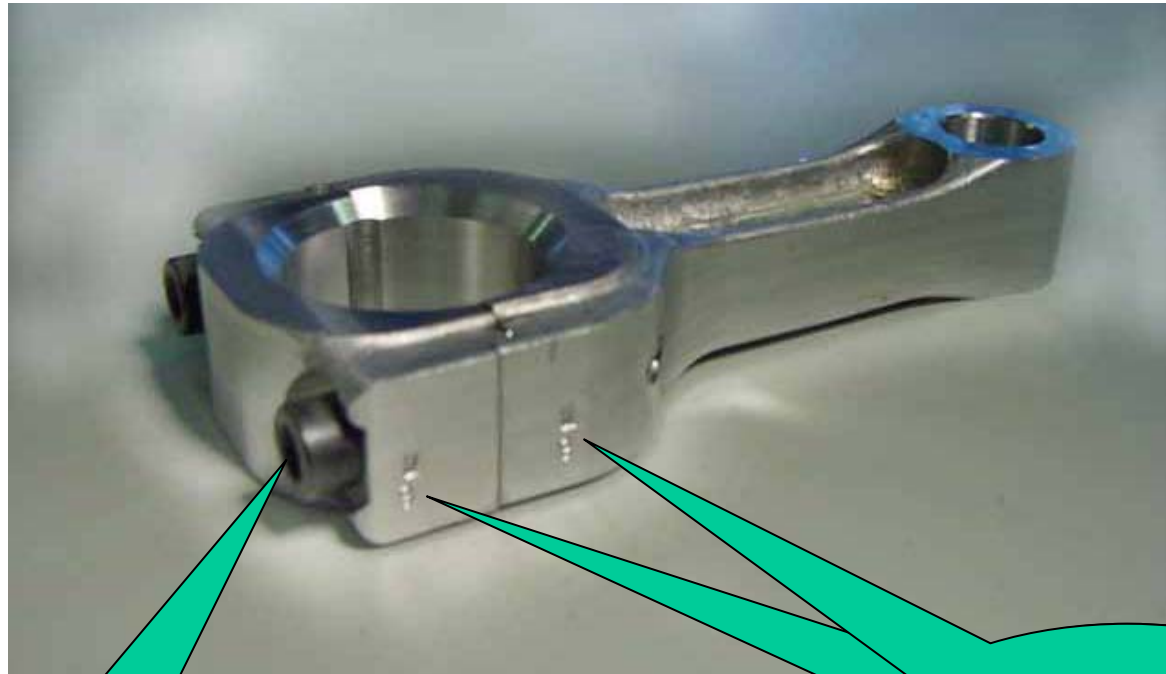


Mark on the exhaust side

PISTON RINGS ASSEMBLING



CONNECTING ROD ASSEMBLING



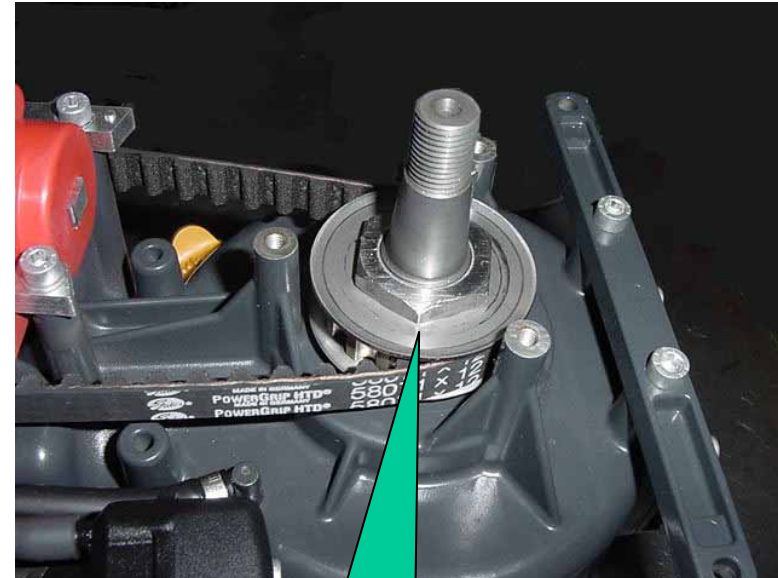
Torque: **16 Nm**

Both marks on the exhaust side

TRANSMISSION



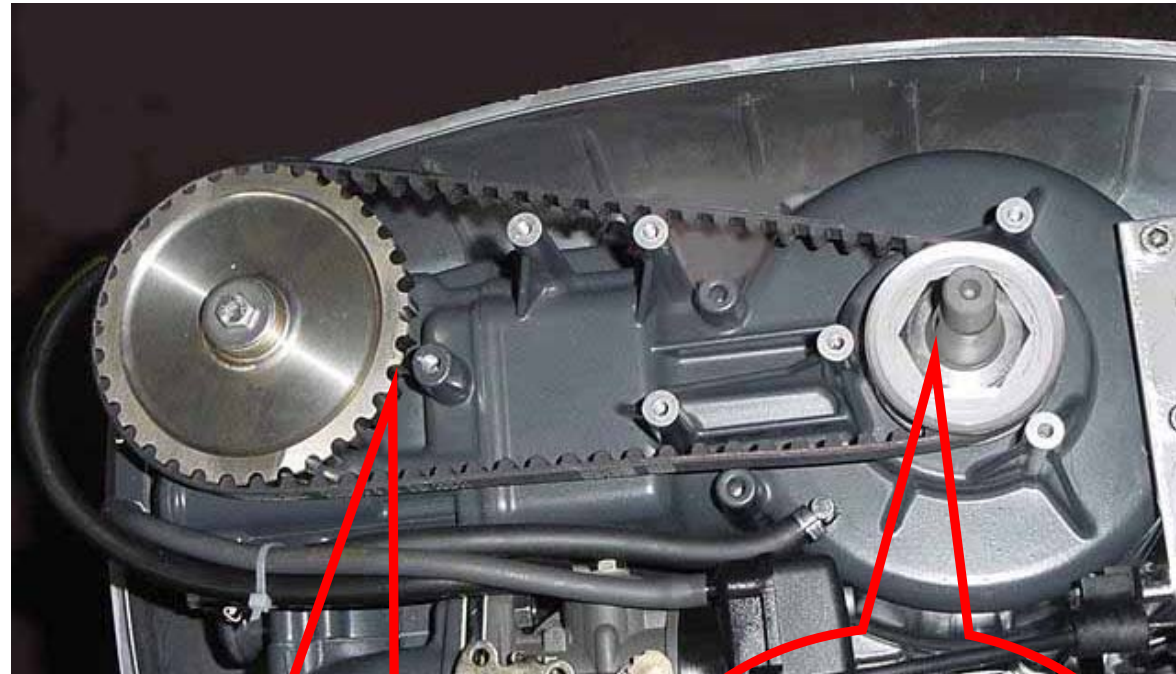
Torque: **15 Nm**



Torque: **50 Nm**

TRANSMISSION

**Set-up
position at
the top
dead point**

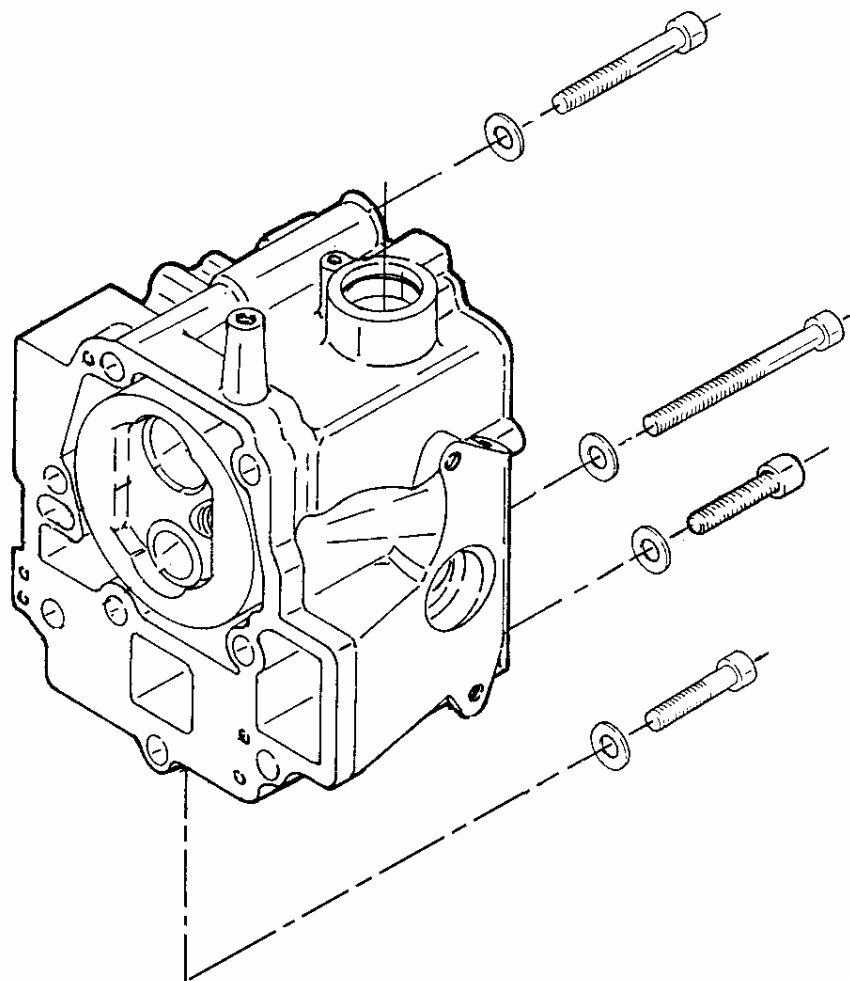


FLYWHEEL



Torque: **30 Nm**

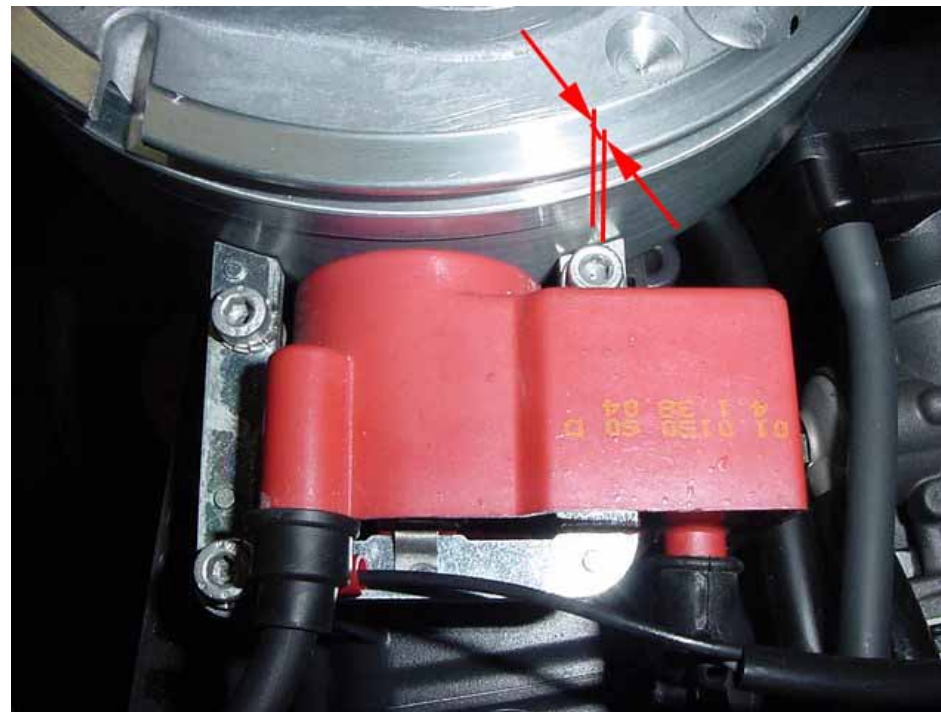
HEAD SCREW



M8 head screws
torque: **25 Nm**

IGNITION COIL

Ignition coil – flywheel gap:
0,25 mm



FUEL PUMP

To the carburettor



From the fuel tank

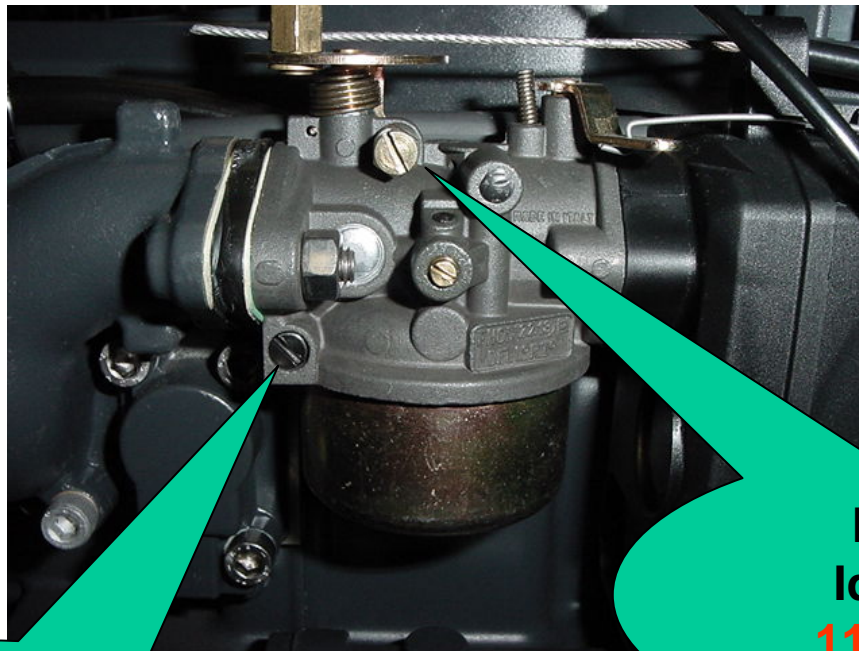
SPARK PLUG TYPE

BOSCH: XR 5 DC

NGK: DPR6EA-9

CHAMPION: RAX96C/T10

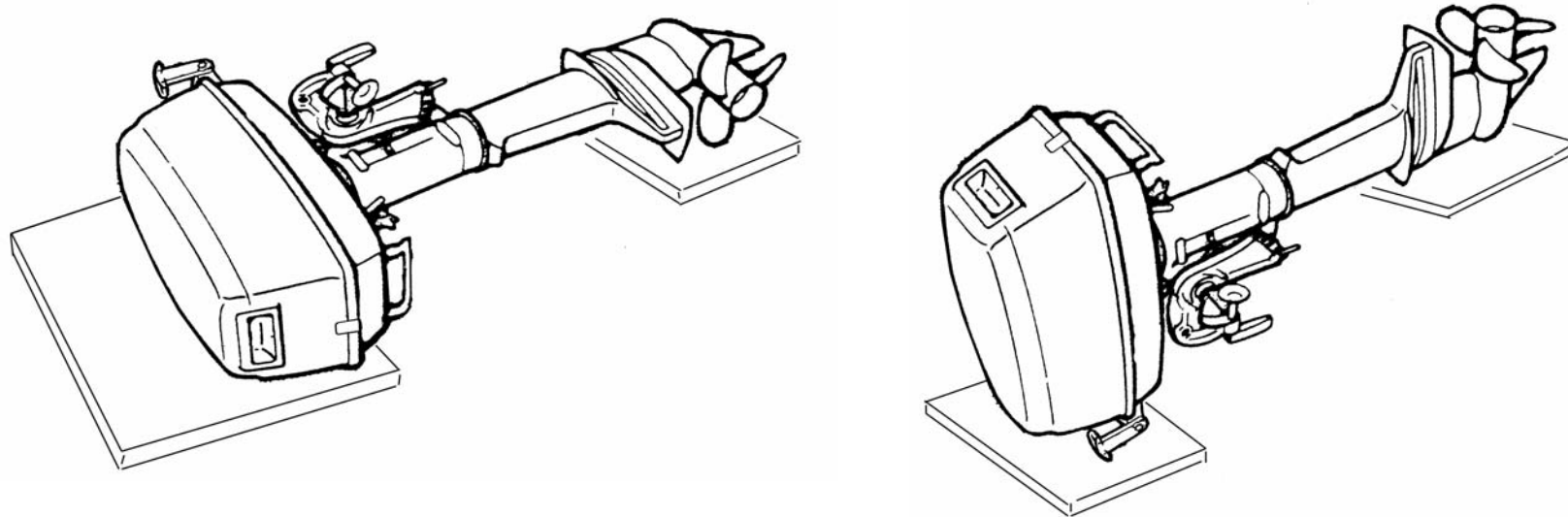
CARBURETTOR SETTING



Mixing screw
Standard opening:
1,5±1/2 turn

Idle screw
Idle in gear:
1100±50 RPM

STORAGE



In order to prevent the motor oil leaking from the vent-hole and any possible damage to the engine, the storage position when the oil cuve is filled of oil are the vertical one (working position) or those in the upper drawings.

MAINTENANCE OPERATIONS

Operation	First time		Every	
	10 hour	50 hour	6 months	year
Greasing	●	●	●	●
Engine oil	●		●	
Engine oil filter			●	
Gearcase oil				●
Spark plug		●	●	
Valve clearance checking	●	●		●
Transmission belt checking				●
Carburettor checking				●
Fuel line checking				●
Screw torque checking	●			●