

SSE IAME 175CC SHIFTER ENGINE — USA SPEC

GEARBOX OIL

Fill with 300cc (10.15oz) SAE 75W or SAE75W90 gearbox oil.
Do not use hydraulic oils like ATF, Dextron or similar. Standard motor oil SAE10W50 may be used if gearbox oil is not available.

FUEL

Mix 8oz (6.25%) of oil per gallon of gasoline

SPARK PLUGS

01.) NGK BR10EG 02.) NGK B10EG 03.) NGK R6252K-105 04.) NGK R6254E-105

PISTON CLEARANCE:

0.14mm (.0055") 15-20min break in is required

CHANGE PISTON:

8 Hrs. or when clearance exceeds 0.17mm (.0067")

TOP ROD CAGE BEARING AND PISTON PIN:

Every piston change

REED PETALS:

Inspect every 2 hours of running

Change if tip damage is noted

CRANKSHAFT REBUILD AND CRANK OIL SEALS:

20 hours

CONNECTING ROD REPLACEMENT:

When 0.127mm (.0005") of ovalization exists on the lower end

MAIN CRANKSHAFT BEARINGS:

Each racing season (roller bearings)

LINED CLUTCH DISCS:

Change when thickness is less than 2.7mm (.106") this should be checked at several locations around the diameter — the first disc working against the push plate is normally the most worn so it should be checked first.

WATER TEMP:

The water should never be below 50 deg C (122 F) when pushing to full power — ideal is 52-55 C (126-131 F).

CAUTION SHOULD BE TAKEN WHEN INSTALLING THE SPARK PLUG

- Always clean and inspect the spark plug threads before installation.
- Always apply anti seize compound, grease or oil.

NEVER INSTALL THE SPARK PLUG WITHOUT SOME FORM OF LUBRICATION

You should be able to freely turn the plug into the head using only your fingers to turn the plug. DO NOT force the plug with a tool or damage will occur. After rotating the plug into the head by hand only, torque to 175-230 lbs-in