

ENGINE KIT ASSEMBLY

1600 SRINT SPORTS ENGINE SPECIFICATION

BASE UNIT

Ford o.h.v. 2265E "Kent" crossflow

BORE

80.98mm

STROKE

77.62mm

CAPACITY

1599cc

COMPRESSION RATIO

9.0 : 1

CYLINDER HEAD

Gas flowed with enlarged ports

CAMSHAFT

A2 Profile

FLYWHEEL

Lightened and balanced

CLUTCH

Upated competition cover assembly and drive plate

IGNITION

Bosch distributor with special side entry cap with optional
Lucas electronic ignition. NGK BP7ES spark plugs

VALVE COVER

Caterham cast alloy with "SUPER 7 SPRINT" script

LUBRICATION

High pressure oil pump with standard wet sump

INLET MANIFOLD

Caterham cast alloy

CARBURATION

Two Weber 40DCOE 151

AIR FILTRATION

Two K & N high performance filters

PERFORMANCE DATA

Maximum power 110 B.H.P. (80.9 KW) at 6,000 rpm

Maximum torque 105.5 lb/ft (14.6 MKG) at 4,800 rpm

SERVICING DATA

Static ignition timing

10° B.T.D.C.

Valve clearances (cold)

Inlet 0.020" Exhaust 0.022"

Spark plug type

NGK BP7ES

Spark plug gap

0.025"

Firing order

1-2-4-3

Fuel

97 Octane (4 Star) Leaded

Oil pressure (normal temp)

3-4 B.A.R.

ENGINE KIT ASSEMBLY

1700 SUPERSPRINT ENGINE SPECIFICATION

BASE UNIT

Ford o.h.v. 2265E "Kent" crossflow

BORE

83.27mm

STROKE

77.62mm

CAPACITY

1690cc

COMPRESSION RATIO

9.75 : 1

CYLINDER HEAD

Gas flowed and enlarged ports

VALVES

Oversize, gas flowed design manufactured in 21-4N steel

VALVE SPRINGS

Heavy duty, Duplex with retainers to suit

CAMSHAFT

Caterham BCD, with high lift, short duration profile

PISTONS

Cast aluminium modified to give valve to piston clearance

CRANKSHAFT BEARINGS

Upated competition type main and big end shell bearings

FLYWHEEL

Lightened and balanced

CLUTCH

Upated competition cover assembly and drive plate

IGNITION

Bosch distributor with special side entry cap with optional
Lucas electronic ignition. NGK B8ECS Spark plugs

VALVE COVER

Caterham cast alloy with "1700 SUPERSPRINT" script

LUBRICATION

High pressure oil pump with standard wet sump

INLET MANIFOLD

Caterham cast alloy

CARBURATION

Two Weber 40 DCOE 151

AIR FILTRATION

Two K & N high performance air filters

ENGINE KIT ASSEMBLY

PERFORMANCE DATA

Maximum power 135 B.H.P. (99 KW) at 6,000 rpm
Maximum torque 122 lb/ft at 4,500 rpm

SERVICING DATA

Static ignition timing	10° B.T.D.C.
Valve clearances (cold)	Inlet 0.022" Exhaust 0.024"
Spark plug type	NGK B8ECS
Spark plug gap	0.025"
Firing order	1-2-4-3
Fuel	97 Octane (4 Star) Leaded
Oil pressure (normal temp)	3-4 B.A.R.

CARBURETTOR ADJUSTMENT SCREWS

WEBER 40 DCOE 151

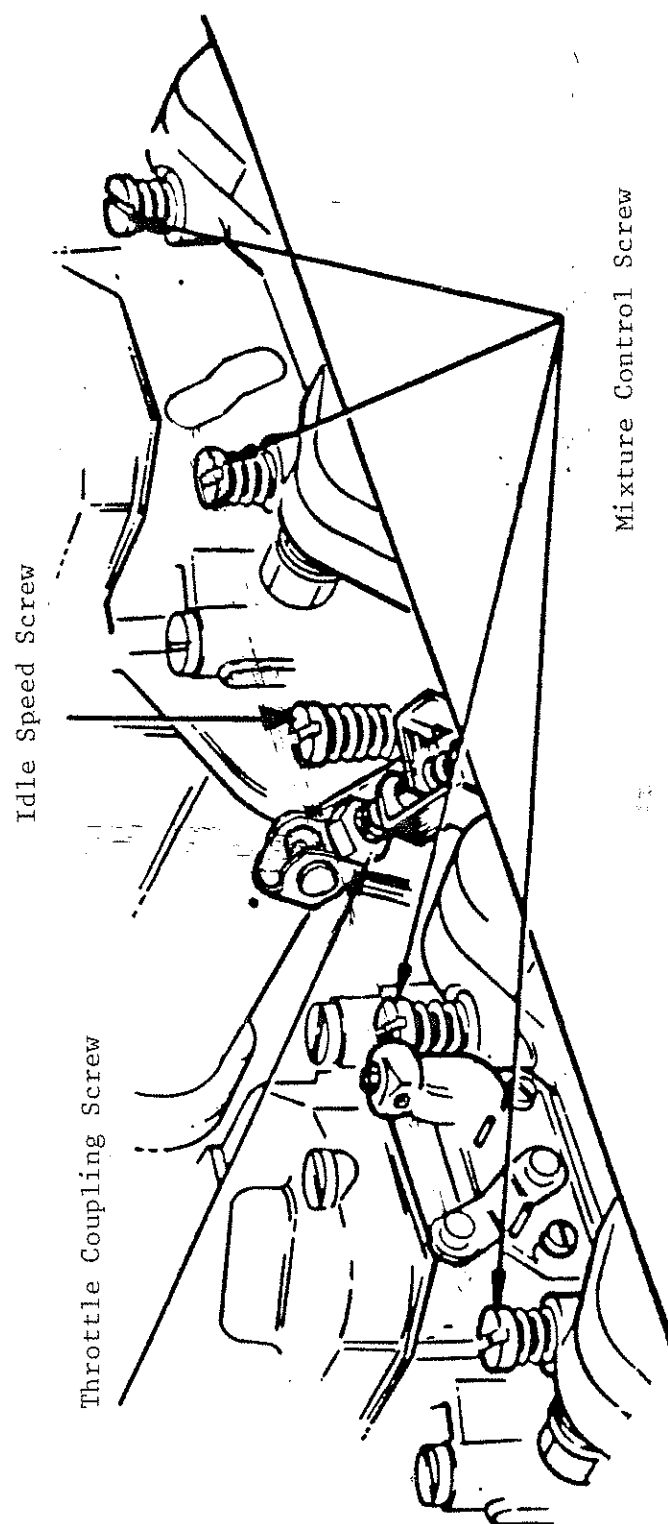


Fig. 18.12