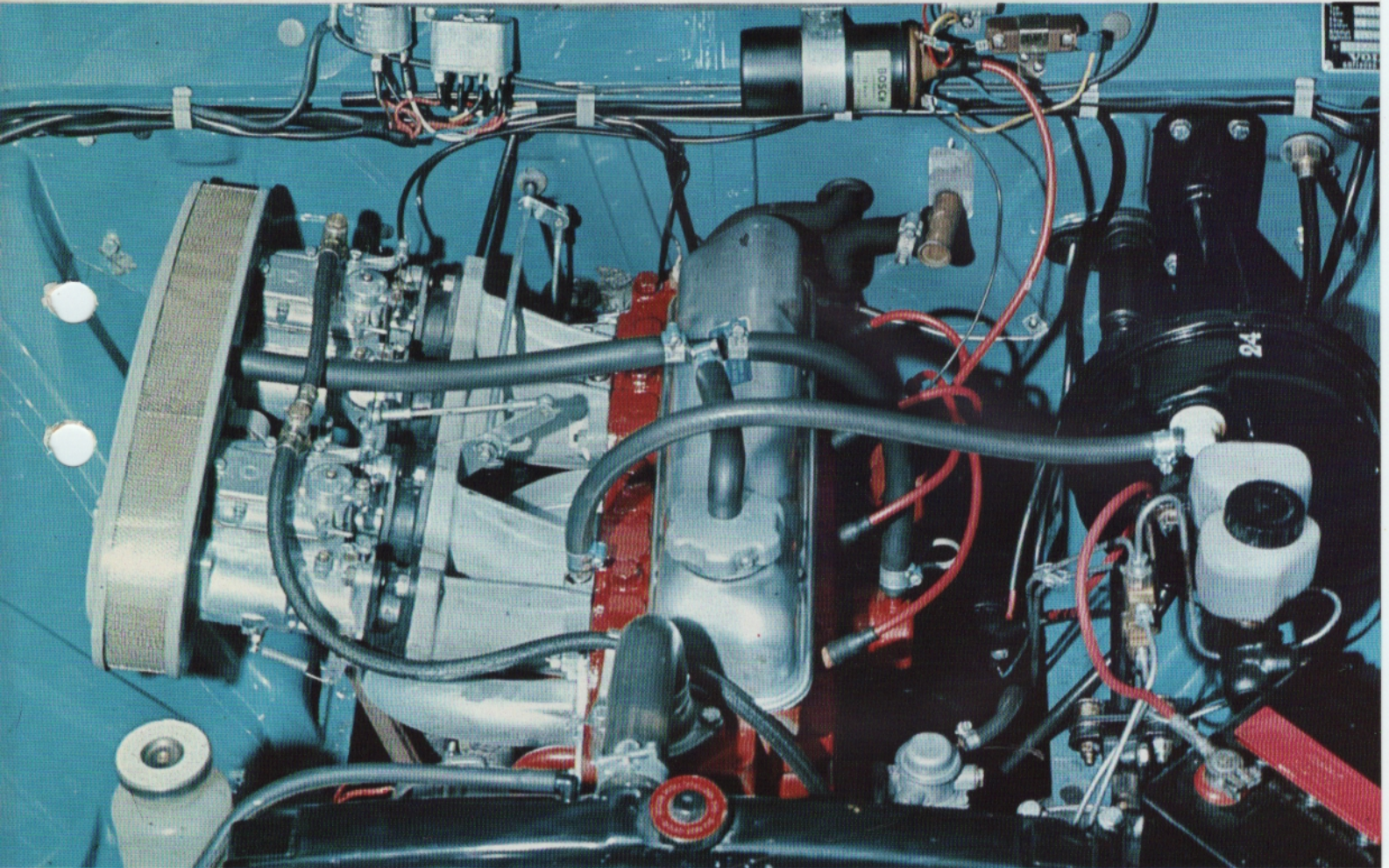
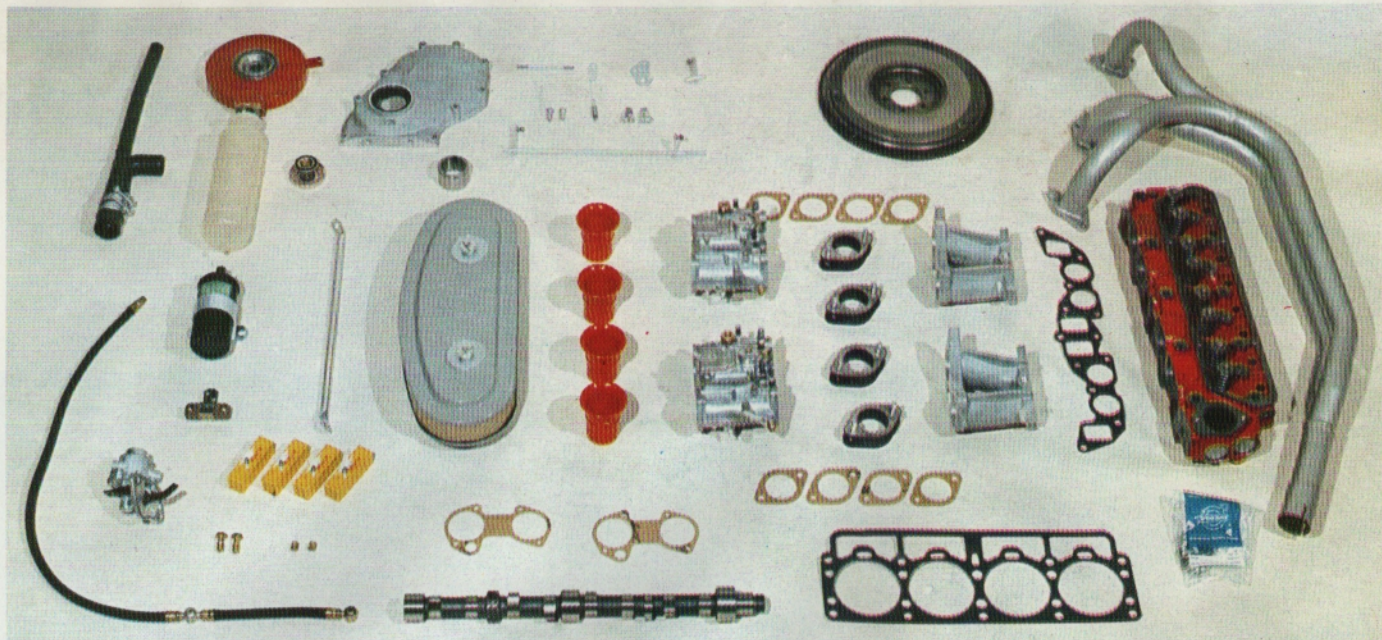


TUNING KIT



A tuning kit is now available for 140 series cars with the Volvo B 20 engine. This kit increases engine output to no less than 140 b.h.p. DIN. This kit is ideal for both sporty family driving and competition events.





The illustration shows the various components which make up the tuning kit. The required number of nuts, washers etc. are also supplied for fitting. The complete kit or parts can be obtained

from Volvo Competition Service via your local dealer. Fitting instructions are supplied with the complete kit.

Part number

1 Tuning kit compl.	419881
1 Cylinder head	419849
4 Inlet valves (Ø 44 mm)	419766
4 Exhaust valves (Ø 35 mm)	419735
8 Valve springs	418737
8 Washers, upper, for valve springs	419644
8 Valve seals	419702
16 Valve collets	419643
3 Cylindrical studs	950586
1 Cylinder head gasket	419763
1 Camshaft (D)	419258
1 Induction manifold, front	419883
1 Induction manifold, rear	419884
1 Branched exhaust manifold, complete	419381
1 Gasket for induction and exhaust manifolds	419764
2 Carburettors	237435
1 Shaft, upper compl. throttle control	684899
1 Bracket for throttle control	460039
4 Intermediary flanges for carburettors	824643
8 Gaskets for carburettors	819769
1 Intermediary shaft	686057
1 Control rod	943936
4 Air intakes	824708
1 Air cleaner	684036
1 Lever, front	668558
1 Lever, rear	668559
1 Stay for air cleaner	460047
1 Fuel pump	831092
1 Nipple for fuel pump	943818
1 Fuel hose	825856
2 Banjo screws	825857
4 Gaskets for fuel hoses	957173
2 Strainer for fuel hose	825858
1 Ignition coil	239499
4 Spark plugs	238624
1 Transmission casing	418693
1 Hub for belt pulley	418264
1 Flywheel compl.	418433
1 Oil cooler compl.	418490

Part number

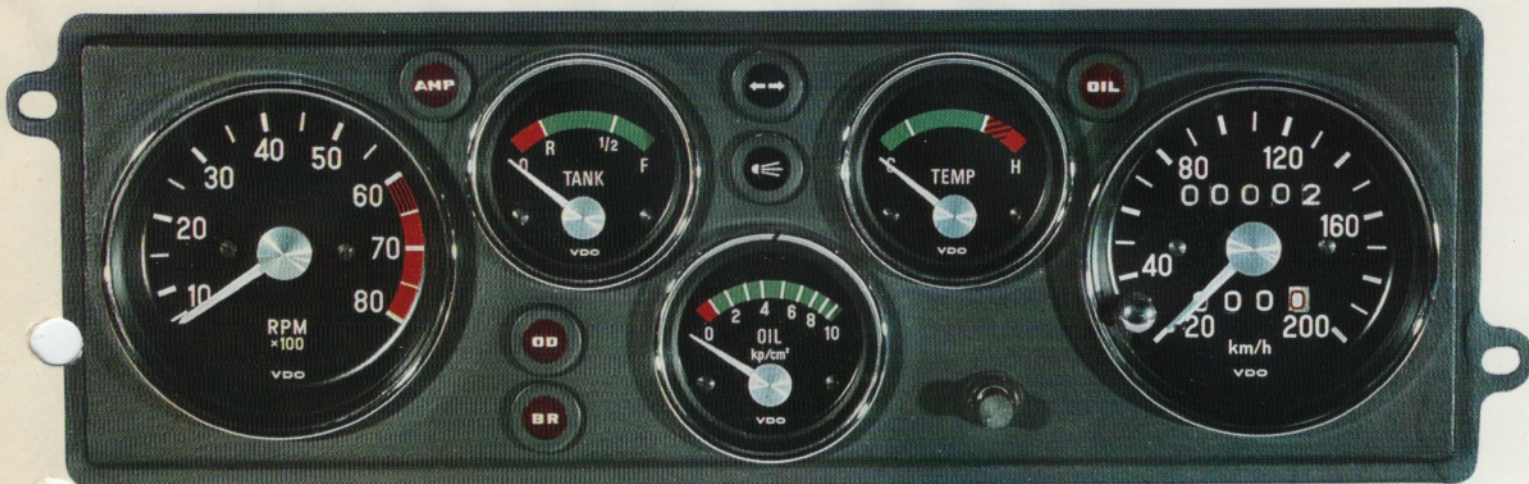
1 Water pipe	418651
1 Nipple	418601
1 Expansion tank	676558
1 Pressure cap	673336
1 Lower radiator hose	671840
1 Hose clamp	951789

Technical data

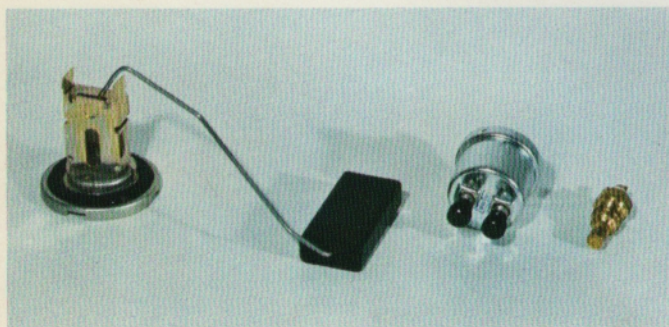
The technical data listed below concerns only those items which deviate from the standard engine specification.

Output, b.h.p. at r.p.m. (DIN)	140/6000
Torque kpm at r.p.m. (DIN)	19.6/4500
Compression ratio	11:1
Compression (warm engine)	12–14 kp/cm ²
Effective valve clearance (cold engine) for control of camshaft timing	1.4 mm
Induction valve shall then open at	5.5° b.t.d.c.
Valve clearance, induction and exhaust valves (warm engine)	0.40–0.45 mm
Fuel pump, pressure (at 1000 r.p.m.)	0.5–0.25 kp/cm ²
Carburettors (2)	solex 45 DDH-1
specification:	
outer venturi	36
inner venturi	C 23352 NO. 1
main jet	185
air jet	175
idling jet	57,5
idling air jet	120
emulsion pipe	C 24186
start jet	125
Idling speed	900 r.p.m.
Spark plugs	Bosch W 240 T 1
Distributor	
basic setting (at low idling)	10° b.t.d.c.
maximum advance (at 5,800 r.p.m.)	38° b.t.d.c.

NEW INSTRUMENT PANEL



Motoring sport of an advanced kind requires a more comprehensive instrumentation than that provided by the standard equipped dashboard. Volvo Competition Service is now able to offer a new instrument panel which has already gained appraisal from drivers who have need for a special oil pressure gauge and rev. counter. This new instrument panel can be fitted to the Volvo 164 and the 140-series.



- The new instrument panel includes, in addition to the above mentioned oil pressure gauge and rev. counter, also a clock-type speedometer, mileometer, odometer as well as a temperature gauge and a fuel gauge. The panel is also fitted with warning lamps for turn indicators, main beam, parking brake/faulty brake circuit, overdrive as well as oil pressure and charging.

- The instrument panel is supplied complete with an oil pressure sensor, a temperature sensor and a fuel level sensor.

- This specially manufactured instrument panel has the same dimensions as the standard combined instrument and is therefore easily fitted if the instructions given overleaf are followed.



Fitting instructions

- Remove the standard combination instrument as instructed in the relevant Workshop Handbook.
- Replace the original temperature sensor with the new sensor included in the kit.
- Remove the original oil pressure switch and replace it with the oil pressure sensor supplied.
- Connect the cable from the oil pressure warning lamp to the oil pressure sensor connection "Wk". Install a new cable from connection "G" on the oil pressure sensor to connection "G" on the oil pressure gauge.
- Install a new cable from connection "I" on the ignition coil or the distributor to connection "I" on the rev. counter.
- Connect the electrical cables and also the speedometer drive. The drive must be drawn inside of the defroster hoses.
- Fit the instrument panel. Assembly is simplified if the upper section of the turn indicator switch housing on the steering column is first removed. The new instrument panel is fixed in position with the original fasteners.
- Replace the original fuel level sensor with the unit supplied in the kit.

VOLVO

*Competition
Service*



Jackor och tröjor

Jackets, Sweaters and T-shirts





Rally-jacka

Storl 46, 48, 50, 52, 54, 56.

Täckjacka i Volvo-blå färg och försedd med huva i kragen, tvärgående stripes i vitt, ytterfickor med dragkedja, bröstficka med klockband, innerficka, pennficka på vänster ärm, plastfodral modell "rullgardin" för ID-kort, licens m m, inbroderat Volvomärke. Tvåvägs dragkedja, muddar i ärmarna. Dubbelfodrad och tvättbar 30°.

En varm och lätt allroundjacka för såväl privat som tävlingsförare.

Rally-jacket

Extra small, small, medium, large, extra large, super large.

Rally jacket in Volvoblu, fitted with concealed hood, white stripes around left arm, two outer pockets with zippers, breast pocket with clock-string, inside pocket, pen-pocket on left sleeve, plastic holder type "roller-blind" for ID-card, licence etc., embroidered Volvo-badges, two-way zipper, sleeve-cuff. Double lining and washable 30° C.

A warm and light all-round jacket for both private and competition drivers.



Sommar-jacka

Liten, Medium, Stor

Volvo-blå sommarjacka med två sidofickor, en bröstficka med dragkedja, skjortmanchett, enkel dragkedja och Volvo-märket broderat i vitt. Tvättbar 30°.

Praktisk och sval för den varmaste årstiden.

Summer-jacket

Small, Medium, Large

Volvo-blue summer jacket with two outer pockets, one breast pocket with zipper, sleeve cuff, zipper and embroidered Volvo-badges in White. Washable 30° C.

Practical light-weight jacket for warmer days.



College-tröja

Storl 46 - 54

Collegetröja i bomull, krympt. Finns i vitt och gult med påtryckt Volvo-märke. Den gula tröjan finns även med texten "RALLY" under Volvo-märket. Tvättas i 40°.

Härlig utanpåtröja i skön kvalitet.

College-sweater

Extra small - extra large

College-sweater of cotton, shrinked, in white or yellow with Volvo-badges. The yellow sweater is also available with the word "RALLY" underneath. Washable 40° C.

Nice fashion and a lovely quality.



T-shirt

Liten - Stor

Vit bomullströja med kort ärm och påtryckt Volvo-märke i blå färg. Finns även med texten "RALLY" under Volvo-märket. Tvättas i 30°.

Populärt plagg under sommaren.

T-shirt

Small - Large

White T-shirt with Volvo-badges in blue. Also available with the word "RALLY" underneath the Volvo-badges. Washable 30° C.

Very popular for summer-use.

Kontakta Er närmaste Volvo återförsäljare:

Contact Your nearest Volvo-dealer:

VOLVO
*Competition
Service*



T-shirts



T-shirt

Kortärmad bomullströja i vitt, gult eller blått.
Mörkblått tryck i fyra olika utföranden:

1. Med Volvo-märke (endast vit eller gul)
2. Med Volvo-märke samt ordet "RALLY" under märket (endast vit eller gul)
3. Med bilmotiv och texten "Volvo Competition Service".
4. Med båtmotiv och texten "Volvo Competition Service".

Storlekar 0—6

Tvättas i 30°

Populärt plagg under sommaren.

T-shirt

T-shirts in white, yellow or blue.

Available in four different versions with print or picture in dark-blue on chest:

1. With Volvo-badge
2. With Volvo-badge and the word 'RALLY' underneath
(Above versions available in white or yellow only)
3. With picture of Volvo car in action and the text 'Volvo Competition Service' underneath.
4. With picture of racing-boat in action and the text 'Volvo Competition Service' underneath.

Sizes: 0—6

Washable at 30°C

Very popular for summer-use.

Kontakta Er närmaste Volvo återförsäljare:

Contact Your nearest Volvo-dealer: