

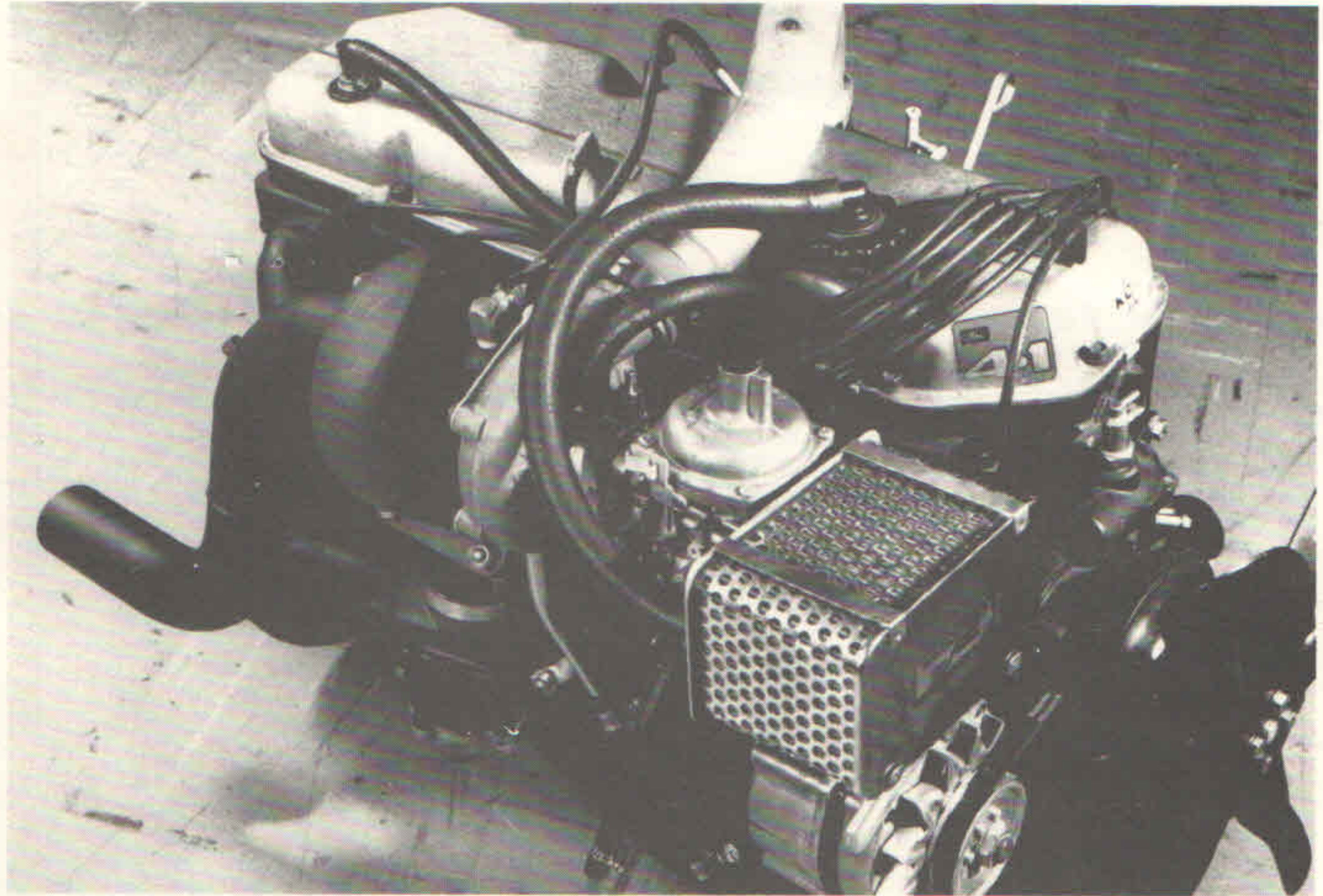
Normalair-Garrett Turbosystem to suit Ford Six Crossflow Strata II - H.D.

This specification sheet contains the basic information needed to select the right Garrett turbocharger and Turbosystem kit.

Before utilising this information, please ensure that you read the sections in the AiResearch Turbosystems brochure "Before Turbocharging your engine" and "Selecting your Kit."

Recommendations for proper selection of turbochargers for specific custom applications are contained in separate Turbosystem TO4B turbocharger specification sheets.

MIKE VINE TURBOCHARGERS
475 REDLAND BAY RD.
CAPALABA, BRISBANE. 4157



Application

The Strata II — H.D. installation is intended for applications requiring continuous, extended period of boosted operation, such as Camper Vans; and installed on standard engines. While not suitable for any form of competition usage, as supplied, they form the basis of a package which could be used on a non-stock engine. (See your nearest specialised distributor).

Further carburettor needle mixture modifications would be required, together with possible additional internal engine strengthening. For any continuous usage applications, an engine oil cooler should be seriously considered, as the power increase is slightly in excess of double the standard figure.

These packages utilise wastegate controls, (see AiResearch Turbosystem booklet), for optimum power output and boost response. As with the Strata II Kits, standard automatic transmissions are unsuitable in this application, due to their inability to reliably transmit the torque levels produced in these kits. However, it is quite possible to have the automatic gearbox updated to V-8 specifications in order to cope with these power levels.

As illustrated by the power graph the principal increase in output lies between 2,000 and 3,500 R.P.M. the area most used in normal driving.

While there is no noticeable increase in top speed, the time taken from 0-160 K.P.H. is approximately one third that of the standard vehicle. Overtaking times are slashed, and fuel consumption under heavily laden conditions, significantly improved.

Generally speaking, engine life is unaffected, since peak cylinder pressures are not significantly higher than those of the standard compression engine. In fact, the majority of the turbocharged engine's life is spent as a 7.5:1 compression unit (as a result of the decompression plate fitted with the kit) only rising in effective compression ratio, under a heavy load situation.

Installation Notes

1. All kits require welding of the exhaust outlet pipe which, on the Strata II — H.D. conversion, rejoins a sports 2½" system (not supplied) below the floor.
2. Installation of the turbocharger lubrication oil return fitting, in the side of the sump, requires professional attention.
3. Some modification to the distributor centrifugal advance curve may be required.

MARK II Turbosystem to suit Ford Crossflow

Six Cylinder Engine 3.3 — 4.1 Litre
Strata II-H.D. Conversion

Engine Displacement	Turbocharger	Installation Non-Emission	Kit Emission
3.3	5-9690	5-3700/1	5-3700
4.1	5-9710	5-3700/1	5-3700

The preceding kits may be installed on the following Ford models, when equipped with O.E.M. **front disc brakes**. Owners are warned that they may be in violation of State regulation if this kit is installed on vehicles **other than specified**.

FALCON	CORTINA
XC	TD
XD	TE

All engines **must** be standard compression ratio, **before** installation of turbocharger kit.

Installation kits contain the following:

5-3700		5-3700/1	
5-3605	Air Cleaner Mtg. Adpt.	5-3605/1	Air Cleaner
5-3610	Carburettor	5-3610/1	Carburettor
5-3615	Carb. Mount Adpt.	5-3615	Carb. Mount Adpt.
5-3525	Turbo Lubrication	5-3525	Turbo Lubrication
5-3730	Exhaust Manifold	5-3730/1	Exhaust Manifold
5-3735	Turbine Outlet	5-3735	Turbine Outlet
5-3540	Inlet Manifold	5-3540/1	Inlet Manifold
5-1045	Throttle Linkage	5-1045	Throttle Linkage
5-3550	Decompression Kit	5-3550	Decompression Kit
5-1155	Water Injection	5-1155	Water Injection
5-3765	Fuel Line	5-3765	Fuel Line
5-3590	Gasket Set	5-3590	Gasket Set

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