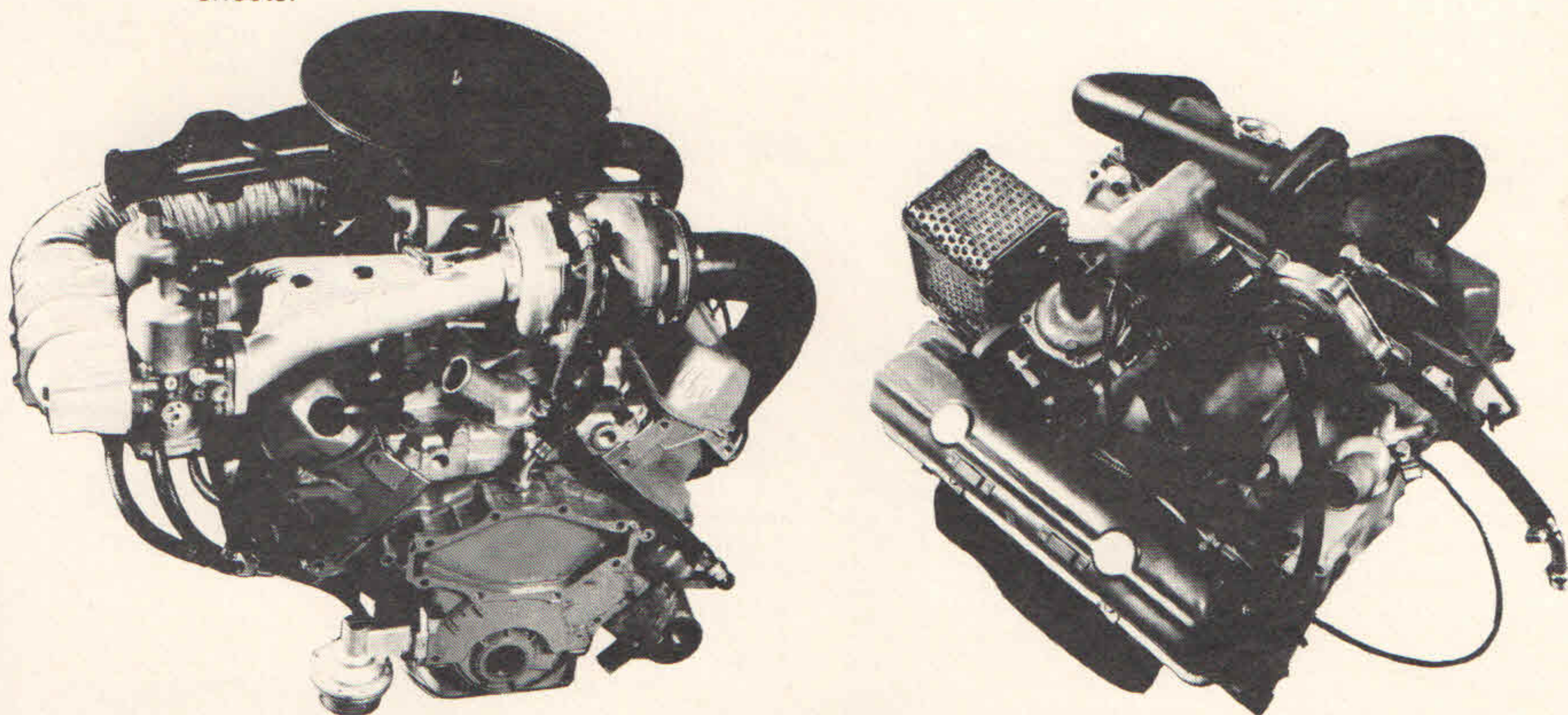


Normalair-Garrett Turbosystem to suit Holden Eight Cylinder Strata II-H.D.

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.



Application

The Strata II-H.D. installations are intended as serious performance packages, for general road use. While not suitable for competition use, as supplied, they may form the basis of a package which could be used on a non-stock engine. (See your nearest specialised distributor.) Further carburettor mixture needle modifications would be required, together with additional internal engine strengthening. As supplied, and calibrated, the kits suit standard engines and will reliably increase the power output to slightly over 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, Tri-matic automatic transmissions are unsuitable in this application, due to their inability to reliably transmit the levels of torque, produced by these kits.

When installed in a 308 V-8 equipped Torana, this package should result in standing quarter mile times in the mid thirteens, depending upon driver ability. For an otherwise standard engine, with unaffected general part throttle tractability and mileage, this is nothing short of outstanding.

At the same time, engine life is not seriously affected, since peak cylinder pressures and

temperatures are only slightly higher than those of the standard 9.4-9.7:1 compression engine. The great majority of the engine's life, is, in fact spent as a 7.5:1 compression unit, only rising in effective compression under full throttle road conditions.

Installation Notes

1. No existing 308 V-8 kit can be installed in vehicles equipped with O.E.M. air conditioning 'Hang-On' systems should be compatible.
2. Installation of this kit in Toranas or Commodores may require the installation of an A9X bonnet scoop. (Not provided.)
3. All Strata II-A V-8 conversions require the installation of a dual 2½" sports exhaust system, with free flowing muffler. (Not provided.)
4. Installation of the turbocharger lubrication oil return fitting, in the top of the timing chain cover, requires professional attention.
5. Some modification to the distributor mid-range centrifugal advance curve may be required.

MARK II

Turbosystem to suit Holden

Eight Cylinder Engine 253-308 Cubic Inch

Strata II-A Conversion

Engine Displacement	Turbocharger	Installation Kit Pre-Emission	Emission
253	5-9890	5-4500/1	5-4500
308	5-9960	5-4600/1	5-4600

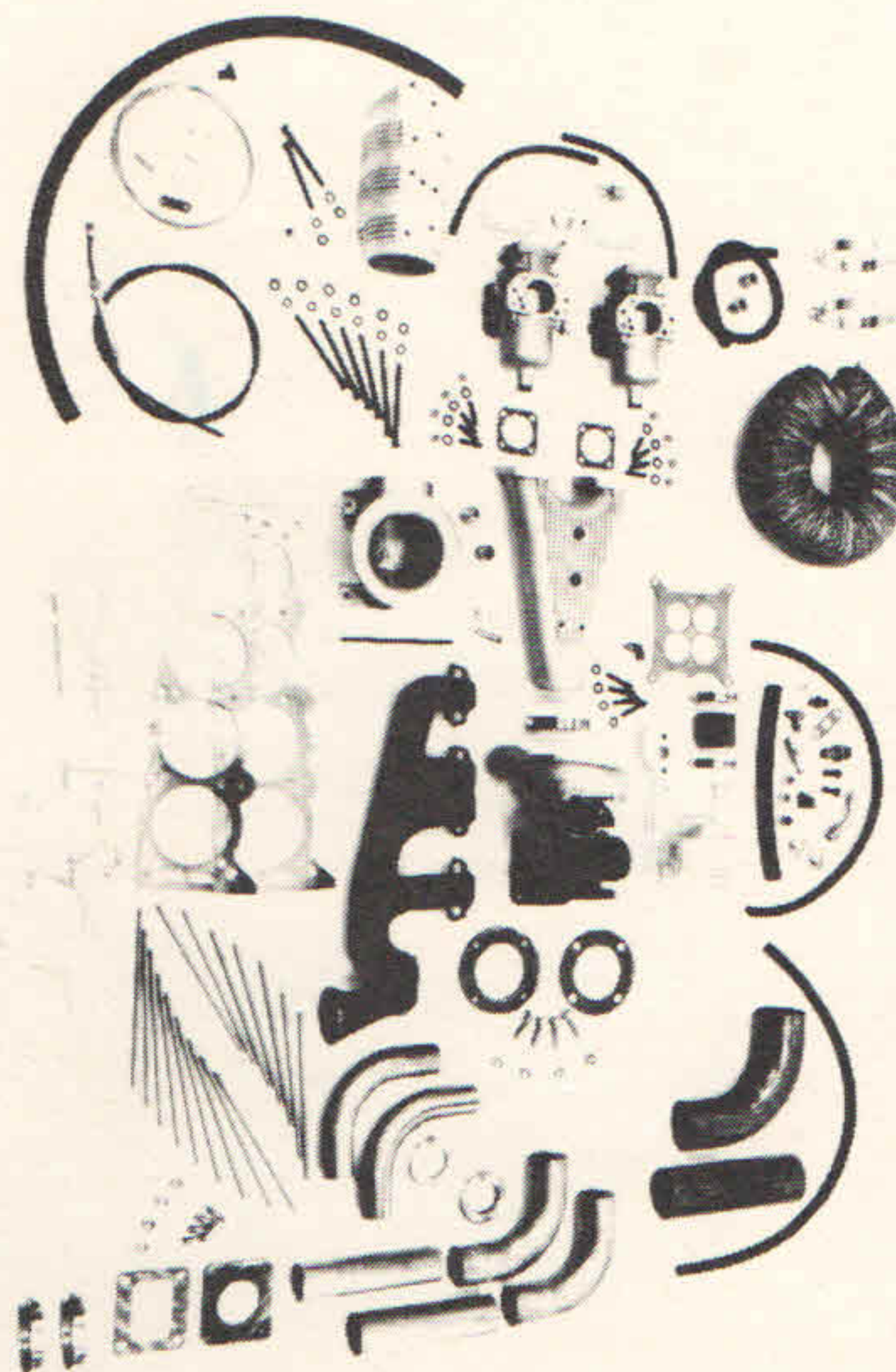
The preceding kits may be installed on the following G.M.H. models, when equipped with O.E.M. front disc brakes. Owners are warned that they may be in violation of State regulation if this kit is installed on vehicles **other than those specified.**

HOLDEN	TORANA
HT HJ	*LH
HG HX	*LX
HQ HZ	

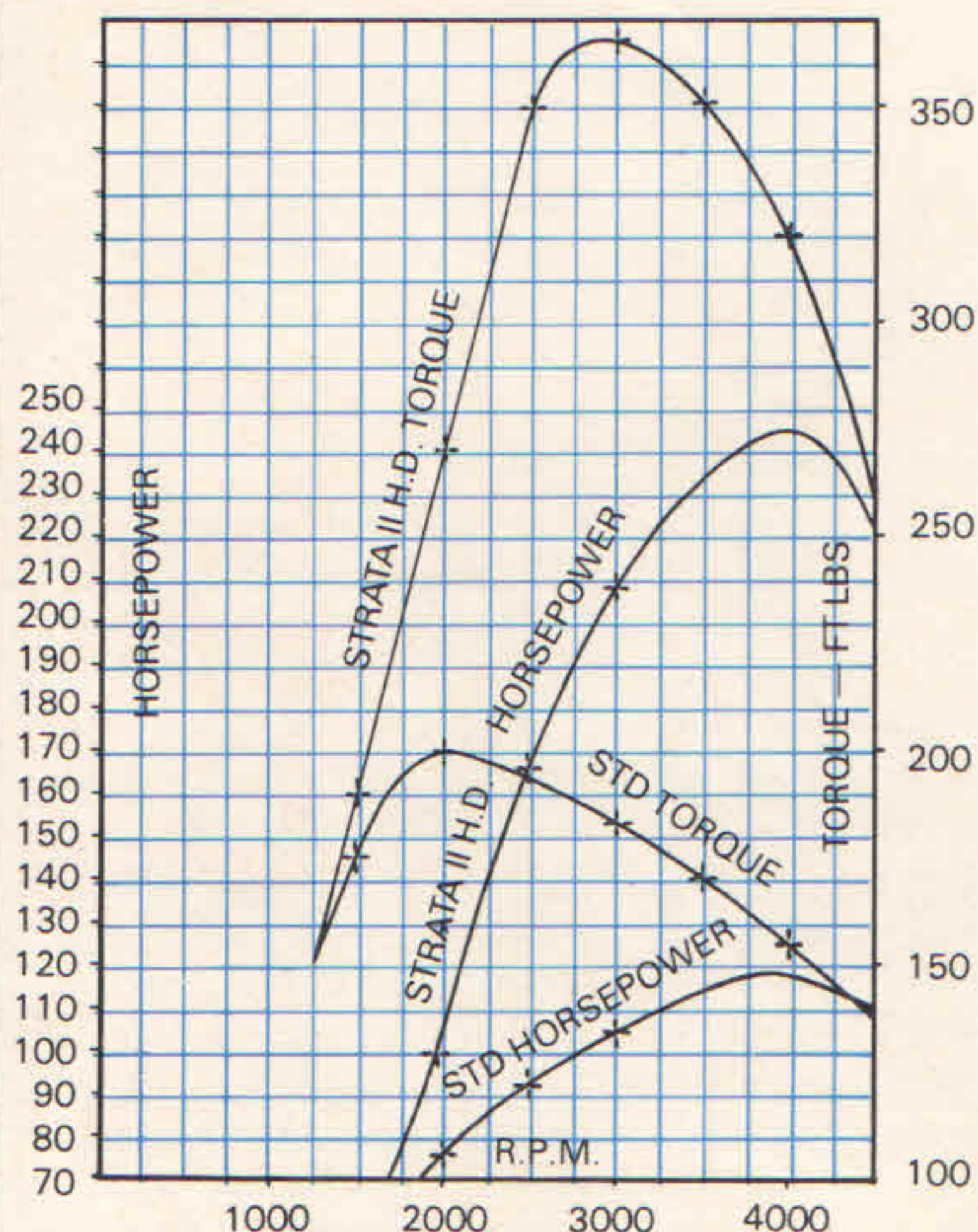
*Not suitable for L-34 engines.
All engines **must** be standard compression ratio, **before** installation of turbocharger kit.

Installation kits contain the following:—

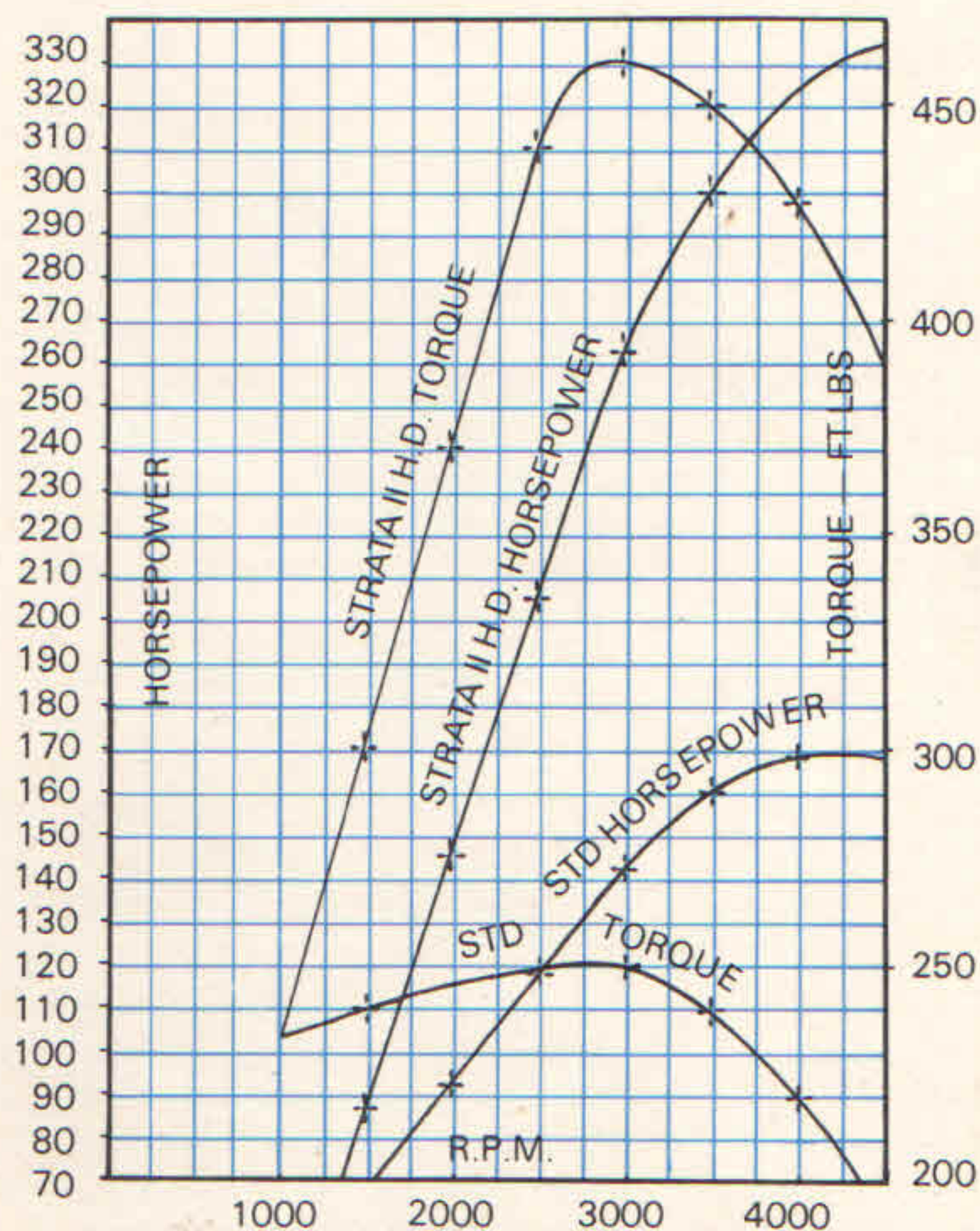
	5-4500	5-4500/1	5-4600	5-4600/1
Air Cleaner Mtg. Adpt.	5-4305	5-1005/1	5-2505	5-1105/1
Carburettor Kit	5-4410	5-4410/1	5-4610	5-4610/1
Carb. Mount Adpt.	5-4315	5-4315/1	5-2515	5-2515/1
Turbo Lubrication	5-2525	5-2525	5-2525	5-2525
Exhaust Manifold	5-4530	5-4530	5-4630	5-4630
Exhaust Outlet	5-2635	5-2635	5-2635	5-2635
Inlet Manifold	5-4340	5-4340	5-2540	5-2540
Accelerator Linkage	5-1045	5-1045	5-1045	5-1045
Decompression Kit	5-4350	5-4350	5-2550	5-2550
Water Injection	5-1155	5-1155/1	5-1155	5-1155/1
Fuel Supply	5-2660	5-2660	5-2660	5-2660
Wastegate	5-4565	5-4565	5-4565	5-4565
Emissions	5-2585	—	5-2585	—
Gaskets	5-4390	5-4390	5-2590	5-2590



Installation kit pictured with 308 V-8 5-2585 kit assy — emission control.



STRATA II-H.D. 253 V-8
NETT FLYWHEEL POWER
CORRECT TO 85° F 28.4" Hg.



STRATA II-H.D. 308 V-8
NETT FLYWHEEL POWER
CORRECT TO 85° F 28.4" Hg.