



LIEBL KFZ-Technik

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Throttle System Ford V6-Köln Engine

Prices and Scope of Delivery, Throttle System V3 (Dated Aug. 2008) :

all Prices including 19% German VAT, Export Prices outside Germany upon Request.

Throttle Valve System V3.04: (Adapter-Plate additionally required for mounting, see below.)	1528,-- Euro
<ul style="list-style-type: none"> • 1 Throttle Valve System 45mm incl. Intake Funnels, Central Shaft and all necessary linkages, pre-mounted and adjusted • 1 Gasket Throttle Valve System onto Adapter Plate (ready to fit) • 6 Sealing Rings for the Kugelfischer Injectors • 1 Check-Valve for Brake Vacuum Booster, incl. Hose and Clamps • 1 adjustable Ball Shank for replacement of the riveted, fixed Ball Shank on the Stock lever to the injection pump • special Injection pipe to Cyl.#1, ready to install, pre-formed. • 1 Mounting Kit (Screws etc.) • Illustrated Instructions for Assembly and Adjustment in conjunction with the B1 and B2 pumps (English Instructions available) (the End-Adjustment should be done at our dyno, this is not essential for use on nearly stock engines. <u>Using with C-Pumps upon request, Dyno necessary</u>) 	

Adapter-Plate V3:	164,-- Euro
<ul style="list-style-type: none"> • 1 Adapter-Plate, pre-milled (please specify whether Adapter is needed for A/B-Manifolds →May 1972, or for C-Manifolds May 1972→) • 1 Gasket Adapter to the Manifold (Pre-cutted, has to be finished to the shape of the manifold's ports) • 4 Sealing Rings and 4 O-Rings for sealing the manifold at the bolts into the crankcase • 4 Plugs, needed to seal the holes in the Manifold during the cleaning of the manifold's surface • 1 Mounting Kit (Screws etc.) 	

Fuel Pipes Set „Phase II“ for V3-Throttle Systems	149,-- Euro
<ul style="list-style-type: none"> • 5-pc. Set for Cyl. 2-6 (Pipe to Cyl. 1 is already included with the Main Throttle Kit), Optional, with extra short Pipes and a high-Grade Finish, matching the Finish of the new V3.04 Throttle System 	

Accessory Kit Load-Depending Control of Ignition Timing: (Not needed in conjunction with Electronic Engine Management Systems)	77,-- Euro
<ul style="list-style-type: none"> • 1 Micro-Switch • 1 adjustable Cam, to be fitted on the central shaft • 1 electric Vacuum-Valve, Metal Case • 1 Wire Loom with installed Water-Proof Connector, necessary Plugs and Pins • 1 Set of Vacuum Hoses and Polyamid-Pipes 4mm • 1 Mounting Kit (Screws etc.) • Illustrated Instructions for Assembly and Adjustment 	

Accessory Kit Airbox:	(Price upon Request)
<ul style="list-style-type: none"> • 2 Sets of Mounting Brackets for the Airbox' Base Plates to the Throttle Valve Plates (V3), Mounting Kit (Screws, Lock-Wire etc.) • 2 Alloy Base Plates, laser-cutted • 1 Airbox Top (upper Part) Fibre Glass, with integrated Connection Pipe 80mm (Carbon upon request, surcharge, extremely Light-Weight) • Intake Tube 80mm with inner steel coil, Heat-Resistant and extremely flexible, black (red on special request) 	

Accessory Parts Kit „Electronic Engine Management“: (Prospectively Release and Prices of cpl. Kits upon request)

As an Alternative individual installations are possible at our workshop, Installation will take about 2 Weeks including Tuning at our Dyno)

Intended Content of the Parts Kit „Electronic Fuel Management“ (3D –Control of Injection with stock Ignition, modified to Contactless necessary, e.g. Lumenition, MSD...)

- 6 Bosch Injectors (*upon request also tested used Injectors available at essential reduced price, dependent on our stock*)
- 6 Adapters for Injectors to the throttle plate, 3 special Injector-Retainers with joints, plugs, consoles etc.
- Pressure Valve 2,5bar, Fuel Hoses and Polyamid-Pipes, fittings and Gaskets, O-Rings
- Adapter Temperature-Sensor into Water-Outlet of the Manifold
- Electronic Control Unit with universal Loom (Plugs not ready mounted), Temperature-Sensors Coolant and Air, Throttle Position Sensor, Fuse-Block, Relais with Retainers, all required electrical connectors. General Manual (english, with special tips for the Ford V6), Programming Software (min. WIN 95) and Base Program including Setup an Base Maps for div. Ford V6. (Fine Adjustment and Tuning has to be completed at our Dyno !)

Alternative: Parts Kit Electronic Engine Management (3D – Control of Injection AND Ignition)

(Updating from „Fuel Management“ to „Engine Management“ is not possible in fact of completely different Hardware !)

contains all Parts of the Electronic Fuel Management except of the other Control unit and Loom. In Addition:

- Inspection and Modifying of a given contactless Ford V6 Distributor
(any type of contactless stock V6 Distributors will fit, the stock Ignition Advance Devices have to be fixed and the trigger advance to be modified)
- Bosch High Power Ignition Coil and Ignitor, primary Ignition Loom, all required Pins and Plugs

Optional for both Electronic Versions: Fuel Distributor in „Kugelfischer-Look“

To be installed instead of the stock Head of the Kugelfischer-Pump. The Pump does not need to be removed or modified. It is furthermore lubricated by the stock Oil Pipe through the special bored top and runs without any load, it can be rebuilt with the stock Top without any effort.

This Kit helps to keep the authentic Look of the Engine and provides maximum performance of the engine in fact of steady fuel supply.

- Cast Iron Fuel Distributor, ready bored and pre-mounted
- 4m Injection Pipe 6/4mm (yard good), all necessary fittings and Parts