

AMM - IMMOGNITION I&II

- THE MILLENIUM SERIES -

PROFESSIONAL FIELD-PROGRAMMABLE HIGH-RESOLUTION HIGH-ENDURANCE DUAL-/SINGLE-FIRE ELECTRONIC-IGNITION-SYSTEM WITH INTEGRATED IMMOBILIZER FOR HARLEY-DAVIDSON® MOTORCYCLES

(patent applied for)

NEW FEATURES:

- 5 (FIVE) YEARS LIMITED WARRANTY
- „FORMULA-ONE“ ELECTRONIC COMPONENTS INSIDE
- MULTIPLIED SPARK ENERGY - UNRIVALLED PERFORMANCE
- „SYNCHRO-CONTROL“ -> ULTRA LOW ENG. VIBRATION
- OVERLOAD PROTECTION
- SUPPORTS 1,4Ω IGNITION-COILS FOR DRAG-RACE
- SUPER-START-ENHANCEMENT-MODE (KICK & ELECTRIC)

FEATURES:

- professional high-definition, high-resolution computerized electronic ignition
- generates a very hot and long spark throughout the entire rpm-range with almost any coil
- integrated into a F53-aluminium nose-cone outer-cover, using late OEM trigger-rotor
- available as Dual-Fire (AMM-IMMOGNITION I) and Single-Fire (AMM-IMMOGNITION II)
- rugged construction ensures outstanding endurance
- integrated immobilizer-function using stainless-steel electronic key with over 281.500.000.000.000 combinations, activation through „touch“
- high definition curve-fields can be downloaded into the AMM - IMMOGNITION simply by touching with a preprogrammed „curve-key“
- completely programmable rev. limiter
- fits all Evolution-, late Shovelhead- and Sportster engines from 1970..now
- adapting distributor for Panhead and Early-Shovel available



nose-cone outer-cover,
actual size



activation-key,
actual size

DESCRIPTION:

The AMM - IMMOGNITION is a professional electronic ignition-system for Harley-Davidson motorcycles. It is designed using the latest available technology, and implements a new approach of calculating the spark-timing, resulting in an unrivalled resolution and accuracy.

The new AMM - IMMOGNITION MILLENIUM-SERIES features the „SYNCHRO-CONTROL“ mode, a new development by AMM, capable of automatically optimizing engine torque through the entire rpm range. This is done in „real-time“ by elaborate large-scale calculations in the ignition computer.

As a side-effect of this technological breakthrough, engine vibration is reduced to an extent, formerly not considered as possible for a V2 engine.



Extensive test-runs have shown major improvements on the following subjects:

- engine start (hot & cold; kick & electric)
- acceleration (excellent acceleration with minimum vibrations, tested in drag-race)
- smoothness of engine-reaction in any situation
- turbine-like engine characteristics
- gas-consumption (less)
- engine-vibration (dramatically reduced through „SYNCHRO-CONTROL“)
- throttle-response
- cold engine throttle-response
- overall performance

The AMM - IMMOGNITION MILLENIUM SERIES is protected against overload- and short-circuit-conditions, which will result in a shut-off state before internal components are damaged.

The AMM - IMMOGNITION is housed in a F-53 aluminium nose-cone outer-cover, that replaces the stock-cover. Connections to the OEM-sensor-plate are made inside the nose-cone. There are only 2-3 external cables, which have to be connected outside the nose-cone (+12Volt, coil-1 minus, coil-2 minus).

The AMM - IMMOGNITION features an integrated high-security immobilizer-function, that prohibits engine-starting until the appropriate electronic-key touched the nose-cone outer-cover. This feature has been added as an efficient theft-protection for the entire motorcycle.

A Harley-Davidson-engine that is equipped with the AMM - IMMOGNITION, will definitely under no circumstance start and run, until the ignition-function is activated by touching the nose-cone outer-cover with the appropriate electronic activation-key (provided, the immobilizer feature has not been deactivated by the customer).

The electronic keys are hermetically sealed in a stainless-steel package and are insensitive against mechanical shock and moisture. The immobilizer-code features over 281.500.000.000.000 combinations.

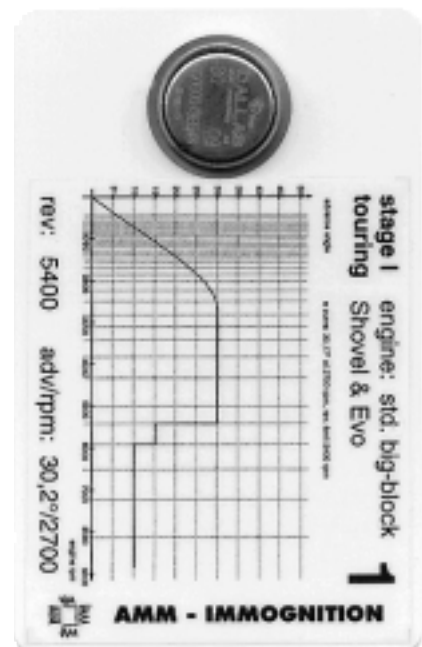
High-definition curve-fields can be downloaded into the AMM - IMMOGNITION by touching the nose-cone outer-cover with a special curve-key. It is not necessary to plug to a computer.

Curve adjustments can be made in less than a second anywhere and anytime, simply by „touching“. This is especially useful in race-applications (adaption to specific fuel characteristics, race-track, -humidity etc.).

Curve-keys are available from AMM for all kinds of engines and applications. The User can program his self-designed high-definition curve-fields into curve-keys with a special IMMOGNITION-PROGRAMMING-KIT, which is sold separately.

The User-curve-keys have an internal non-volatile memory that can be reprogrammed as often as desired (refer to the IMMOGNITION-PROGRAMMING-KIT data-sheet).

Related products: AMM - IMMOLATOR-KEY
 AMM - CURVE-KEY PRO-KIT
 AMM - IMMOGNITION-PROGRAMMER



curve-key, actual size