

POWER COMMANDER POWER VISION CMD MARINE DFC JET KITS QUICK SHIFTER WIDEBAND 2

METRIC SPORTBIKE AND CRUISERS HARLEY-DAVIDSON ATV-OFF ROAD WATERCRAFT SNOWMOBILES SCOOTERS



Dynojet®

**POWERSPORTS
CATALOG**

2013

WORLDWIDE LEADER

Josh Hayes
Monster Energy - Graves - Yamaha
2012 AMA SUPERBIKE CHAMPION



Jared Mees
Rogers Racing-Blue Springs Harley Davidson-Saddlemen
2012 AMA PRO FLAT TRACK CHAMPION

Tyler Bowers
Team Babbitt's-Monster Energy-AMSOIL-Kawasaki
2012 AMA ARENACROSS NATIONAL CHAMPION

Ty Howard
KTM
2012 CMRA CHAMPION

James Rispoli
Celtic Racing-Orient Express Racing
2012 PRO SUPERSPORT WEST WINNER

Daytona Anderson
OUTLAW Racing
2012 WERA C- SUPERSTOCK EXPERT NATIONAL CHAMPION

Eddie Kraft
WitchKraft Racing
2012 WERA CHAMPION

Dynojet®

Established in 1972, Dynojet is a Research and Development company, employing over 100 people in Nevada, Montana, Holland and Germany. Dynojet develops aftermarket performance products and diagnostic tools for the Motorcycle and Automotive industries.

Dynojet Research is the world leader in the development of Motorcycle Jet Kits, ATV Jet Kits and Fuel Injection Modules and strives to continuously provide the best products available through countless hours of R&D.

CUSTOMER SUPPORT

Our dedicated team of motorcycle enthusiasts will provide you with the best technical support available in the industry. Dynojet's involvement in races and rallies nationwide provide support at most major events throughout the year.

Sales and Technical toll-free phone support is available 8am - 5pm Monday through Friday (Pacific Standard Time) and detailed support information can be found on our web sites at www.dynojet.com and www.powercommander.com.

WORLD STANDARD

Dynojet Research has long term partnerships with industry leading companies in over 35 countries worldwide, ensuring local technical support for most of our customers. Software for the Power Commander products is available in English, French, German, Italian, Dutch, Spanish, Japanese, Korean and Chinese.



Steve Rapp
Attack Performance
PRO NATIONAL GUARD SUPERBIKE



Chris Filmore
HMC Racing-KTM
AMA PRO NATIONAL GUARD SUPERBIKE



Cameron Beaubier
Yamaha Extended Service-Graves-Yamaha
AMA PRO GOPRO DAYTONA SUPERBIKE



Tommy Hayden
Yamaha Extended Service-Graves-Yamaha
AMA PRO GOPRO DAYTONA SUPERBIKE



Jake Zemke
Ducshop Racing
AMA PRO GOPRO DAYTONA SUPERBIKE



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POWER VISION



THE MOST POWERFUL AND QUICKEST FLASH DEVICE ON THE FACE OF THE EARTH FOR HARLEY-DAVIDSON MOTORCYCLES.

The Power Vision is a performance tuner and data monitor that offers the latest flash tuning technology, data logging, and other industry exclusive features. Developed to tune any fuel injected Harley-Davidson motorcycle with the Delphi ECM, including 2013 models. The Power Vision Product Suite includes a full color touch screen flash device, vehicle interface cable, WinPV (Windows PC based tuning application), and PV Update Client (Easy process to ensure you have the latest features and updates available).

The Power Vision incorporates a very sophisticated, yet simple touch screen display that DOES NOT require the use of a computer to flash your bike once you have verified your Power Vision has the latest updates and features by using the PV Update Client. Simply select the tune and follow the on-screen prompts to download the tune, and if you'd like, edit your tune without ever touching a computer again! That's right, you can flash and make changes to your tune without ever getting off your bike.

The Power Vision downloads and stores the Original calibration, and lets you select and save up to 6 different tunes on the device. These tunes can be flashed to your bike at any time. There are 3 types of tunes you can select and use on the Power Vision. The types of tunes include:



DYNOJET PRECONFIGURED TUNES

- Tunes for YOUR bike pre-loaded on the device... ready to go, right out of the box! Power Vision identifies your bike's information and automatically sorts hundreds of applicable dyno proven tunes for you to choose from.

CUSTOM TUNES

- Loaded by a custom tuning shop, or received via email and loaded on the device using the WinPV software.

THE POWER VISION HOLDS UP TO 6 TUNES (ANY COMBINATION OF THE 3 TYPES) FOR YOU TO CHOOSE FROM AT YOUR CONVENIENCE, AND THESE CAN BE REPLACED AS MANY TIMES AS YOU LIKE WITH UPDATED TUNES.

COPY OF ORIGINAL OR COPY OF CURRENT

- A copy of the Original calibration that was saved when the Power Vision was married to the ECM, Or a copy of the Current calibration that is in the ECM



POWER VISION - A FLASH FORWARD!

WANT TO FLASH TUNE YOUR HARLEY-DAVIDSON MOTORCYCLE? FLASH FORWARD TO THE NEW POWER VISION FROM DYNOJET.

3.5 24bit color TFT (touch screen) display with touch panel (16,777,216 colors)

2gb of internal memory provides a robust capacity for tune files and data logs

Compact Dimensions: 2.83L X 3.97W X .84H
Weather, shock, and vibration resistant enclosure - fully potted with silicone elastomer, and utilizes over molded cables with sealed cable connections



Integrated AMPS 4 hole threaded inserts for various mounting solutions (shown here with a TechMounts mount, visit www.techmount.com for further details)



FEATURES

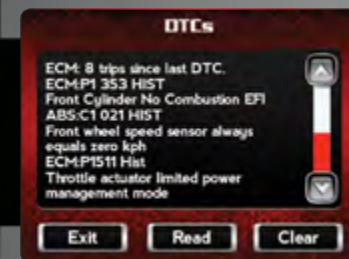
- FLASH TUNE ANY 2001-PRESENT SOFTAIL, 2002-PRESENT TOURING, 2002-PRESENT V-ROD, 2004-PRESENT DYNA AND 2007-PRESENT SPORTSTERS!
- SOPHISTICATED, YET SIMPLE TOUCH SCREEN DISPLAY THAT DOES NOT REQUIRE THE USE OF A COMPUTER TO FLASH YOUR BIKE. SIMPLY SELECT THE TUNE AND FOLLOW THE ON-SCREEN PROMPTS TO DOWNLOAD THE TUNE.
- POWER VISION DOWNLOADS AND STORES THE ORIGINAL CALIBRATION IN THE EVENT YOU NEED TO RESTORE THE ORIGINAL CALIBRATION TO THE ECM
- DISPLAY ALL J1850 AND CAN H-D VEHICLE DATA AS WELL AS WIDE BAND AIR-FUEL RATIO (WITH THE USE OF THE DYNOJET AUTO TUNE MODULE) AND VARIOUS CALCULATED CHANNELS (SUCH AS MPG INSTANT AND TRIP MPG)
- AUTOTUNE BASIC AND PRO - CALCULATES AND STORES FUEL TRIMS TO OPTIMIZE FUEL CURVE
- FLEXIBILITY - CHOOSE FROM DYNOJET PRE-CONFIGURED TUNES, CUSTOM TUNES, OR USE A COPY OF YOUR ORIGINAL OR CURRENT TUNE TO FIT THE NEEDS OF YOUR BIKE.
- RESET ADAPTIVE FUEL TRIMS AND IDLE OFFSET (WITH BIKE RUNNING)



Customizable virtual gauges allow data to be monitored live, and / or logged while riding



User defined visual alarms for any data channel (example, if knock exceeds 2 degrees, or if Cylinder Head Temp exceeds 280 degF, enable visual alarm).

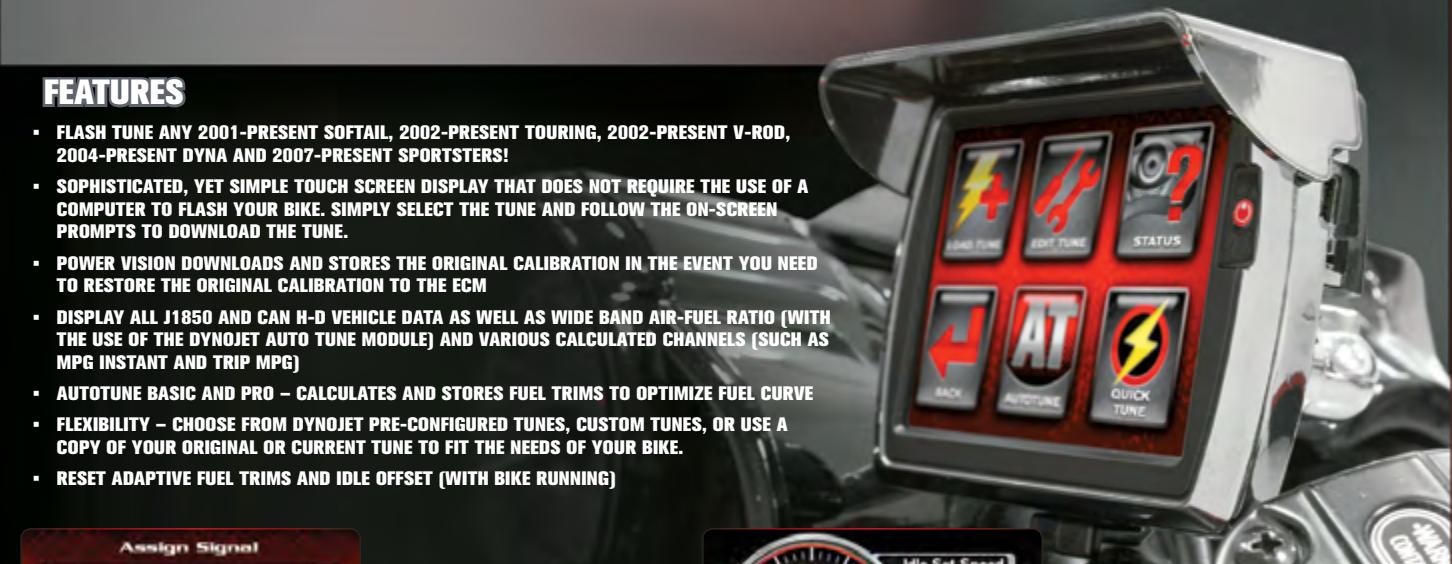


Check and clear diagnostic codes



Quick Tune

On-Device Tune Editing - allows users to change / edit basic tuning parameters on the device, and then deliver the changes to the vehicle ECM without using a computer.



POWER VISION WIN PV SOFTWARE

POWER VISION OFFERS MORE CONTROL

If you are an experienced tuner looking for the latest technology, Dynojet offers The Power Vision Suite. Included is the WinPV software (a powerful tuning application that's user friendly and easy to use compared to other products on the market).

FEATURES

- ALLOWS YOU TO IMPORT POWER COMMANDER MAP FILES (NOT AVAILABLE FOR ALL BIKE MODELS)
- TUNING PARAMETERS LAID OUT IN A CLEAR, CONCISE MANNER UTILIZING A "TREE VIEW STRUCTURE"
- VARIOUS MATH FUNCTIONS CAN BE APPLIED TO EDITABLE TUNING PARAMETERS (ADD/SUBTRACT/MULTIPLY/DIVIDE IN CELLS OF A TABLE)
- INDIVIDUAL TUNING PARAMETERS ARE ABLE TO BE SAVED AS "VALUE FILES". THE VALUE FILES CAN THEN BE APPLIED TO OTHER CALIBRATIONS.
- VARIOUS MATH FUNCTIONS CAN BE PERFORMED ON ANY VALUE
- BASIC OR PROFESSIONAL USER MODES, PERFECT FOR BEGINNERS OR EXPERIENCED TUNERS.
- SYNCHRONIZED EDITING OF FRONT AND REAR VE AND / OR SPARK TABLES
- COMPARE, RESTORE, AND UNDO FEATURES
- HELPFUL TUNING PARAMETER DESCRIPTIONS
- AUTOMATIC UPDATE CLIENT ENSURES YOU HAVE THE LATEST TUNING APPLICATION, FIRMWARE, AND TUNE FILE DATABASE
- COMPATIBLE WITH WINDOWS XP, WINDOWS VISTA, WINDOWS 7, AND WINDOWS 8

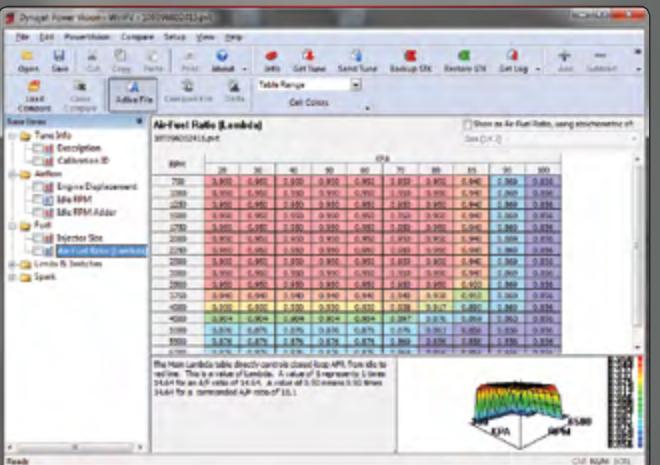
Power Vision Software "tree view" and "value files"

Tuning parameters laid out in a clear, concise manner utilizing a "tree view structure". It displays 6 major tuning areas.

- | | |
|----------------------|-----------------------|
| ▪ AIRFLOW (VE MODEL) | ▪ LIMITS AND SWITCHES |
| ▪ FUEL | ▪ SPARK |
| ▪ GEAR | ▪ ENVIRONMENT OPTIONS |

The value file feature gives you the ability to save individual, or multiple parameters of the calibration as a file. For example, let's say you have certain AFR values that you always use, or even spark tables. You can simply save these values once, and then import them into different calibrations in the future.

This highly flexible feature saves hours of tuning time.



POWER VISION ACCESSORIES -VISOR AND QUICK CLIP SYSTEM

This optional accessory will result in better screen visibility and a provision to quickly detach the Power Vision from your bike.

Made from high quality, tough ABS plastic with a black chrome finish on the visor, this optional accessory is a functional enhancement that looks great as well. The embedded "NutSerts" allow you to securely attach the Visor / Quick Clip accessory to a mounting system such as those offered by TechMounts, or any system with an AMPS 4-hole pattern.



TOLL FREE 1-800-992-4993

POWER VISION ACCESSORIES -AUTOTUNE

AUTOTUNE BASIC AND PRO

AUTOTUNE FOR POWER VISION IS A BUILT-IN FEATURE INSIDE THE DEVICE ITSELF THAT IS FREE OF CHARGE. AUTOTUNE GIVES YOU THE CAPABILITY TO PERFORM CLOSED-LOOP TUNING WITH THE POWER VISION SO YOU CAN FURTHER IMPROVE YOUR MOTORCYCLE'S CALIBRATION.

Power Vision is a ECM flash tuning device, so the adjustments are calculated real-time in the Power Vision, this allows you to review the changes and either accept or ignore them, before flashing the updated tune to the bike's ECM. There are two versions of the Autotune Process for the Power Vision – Basic and Pro.

AUTOTUNE BASIC:

With Autotune Basic and without any additional modules you can use the Power Vision to take advantage of ECM data from its OEM narrowband O2 sensors and help it achieve the target AFR. Not only can it fix the normal closed loop range, but the Autotune Basic will actually temporarily extend the closed loop range to gain insight on the actual AFR in areas where it's normally not allowed (high load / high rpm). This method works great in those areas where it makes sense to run in a lean state: idle, light load, and cruise conditions. So, in any case, now the Power Vision can "see" what the ECM is commanding for AFR AND it can see what the actual AFR is in the exhaust. Armed with this information and other data from the H-D OEM databus, the Power Vision can automatically fix the deviation between the target AFR and actual AFR by adjusting the VE tables. The data is learned in real time, but processing the data and adjusting the tune is done in an "offline state" (key on / engine off). In the end, the Power Vision can process the data, correct the tune, and then reflash the corrected tune into the ECM.



AUTOTUNE PRO:

If you want to tune like a pro and get serious about developing a safe, efficient, and powerful tune, then you need Autotune Pro. Any aftermarket EFI tuning system that does NOT use wideband O2 sensors inherently can NOT give you real time, valuable insight as to how rich or lean the bike is running in areas outside of the OEM closed loop range. Autotune Pro is a process AND requires a product; that being the Autotune wideband control module. The Autotune module uses wideband O2 sensors in order to measure the actual AFR in the exhaust, and these sensors can accurately sample AFR values from 10.0:1 to 18.0:1 (remember, narrowband O2 sensors are only accurate from 14.3 – 15.2 AFR). When the Autotune module wideband O2 sensors are installed in the exhaust and you've selected Autotune Pro in the Power Vision, you're on your way to a complete, refined, and powerful tune. The Power Vision, when running in Autotune Pro mode, will actually temporarily set up your tune just like a professional tuner and monitor all required channels WITHOUT using a computer. Just like Autotune Basic, the entire process is attempting to correct the error from what's commanded in the ECM defined as the target AFR, and the AFR that's actually measured in the exhaust. Armed with this information and other data from the H-D OEM databus, the Power Vision can fix the deviation between the target AFR and actual AFR by adjusting the VE tables. The data is learned in real time, but processing the data and adjusting the tune is done in an "offline state" (key on / engine off).

Neither Autotune Basic nor Autotune Pro requires that you interface with a computer when using this feature. Power Vision sets up the tune, monitors and logs the data, and then corrects the tune to ensure what you ask for (in the AFR table) is what you get. You essentially have a full time professional tuner inside your Power Vision with the Autotune feature. Once you have completed the Autotune process, there is no need to leave the Auto tune process enabled and you can remove the Autotune Pro module until further tuning is required.

POWER VISION MODELS AND ACCESSORIES

PRODUCT DESCRIPTION	PART #
POWER VISION MODELS	
All J1850 ECM Harley-Davidson Models Supported Models: 2001-2010 Softails, 2002-Present Touring, 2002-Present V-Rod, 2004-2011 Dyna, and 07-Present Sportsters	PV-1
All CAN ECM Harley-Davidson Models Supported Models 2011-12 Softail / Softail CVO and 2012 Dyna	PV-2
POWER VISION ACCESSORIES	
Visor and Quick Clip system - BLACK	61300054
Visor and Quick Clip system - CHROME	61300056

PRODUCT DESCRIPTION	PART #
AUTOTUNE FOR POWER VISION	
Autotune Pro kit for PV-1 (J1850) without O2 bungs	AT-110
Autotune Pro kit for PV-1 (J1850) with O2 bungs	AT-110B
Autotune Pro kit for PV-2 (CAN) without O2 bungs	AT-120
Autotune Pro kit for PV-2 (CAN) with O2 bungs	AT120B

POWER COMMANDER V

The PCV uses RPM and throttle position inputs to base fuel adjustments on. In some cases additional inputs can be used such as cylinder head or water temperature as well as gear position or boost.

The PCV has 250 rpm resolution and 10 throttle position columns giving you up to 640 individual mapping points for fuel and an equal number for ignition timing (if ignition equipped). This is the kind of "point specific" adjustability that is necessary with today's bikes and the parts that are available for them.

The Power Commander V gives you the adjustments you need at an affordable price, with the ease of use today's customers demand.

SELECT MODELS OF THE POWER COMMANDER V NOW COME WITH ADDITIONAL ADVANCED FEATURES TO MEET THE NEEDS OF THE MOST DEMANDING APPLICATIONS.

BUILT IN IGNITION CONTROL

For select single and twin cylinder engines, fuel delivery and spark advance adjustments can now be made. Experience the best of both worlds! Now you can realize all the benefits of the Power Commander V and the Ignition Module wrapped in a single enclosure.

- INCLUDES ALL THE FEATURES AND ACCESSORY OPTIONS OF THE POWER COMMANDER V FOR PRECISE FUEL CONTROL
- ALLOWS +/-20 DEGREES OF TIMING ADJUSTMENT
- ADJUST TIMING PER CYLINDER
- ADJUST TIMING PER GEAR
- RAISE YOUR REV LIMIT (ONLY AVAILABLE ON SELECT MODELS)
- ADJUST TIMING BASED ON TEMPERATURE OR BOOST INPUTS
- BUILT IN LAUNCH LIMITER
- GEAR POSITION TIMING

HARLEY-DAVIDSON® UNITS ALSO INCLUDE

- SOFTWARE WILL DISPLAY J1850 DATA FROM BIKES' STOCK ECU - (THIS IS DATA SUCH AS TEMP, FUEL PULSE WIDTH, TIMING ADVANCE, SPARK KNOCK, ETC.)
- REV XTEND

Another feature of the Power Commander V with Fuel and Ignition is the ability to use any TWO of these functions at the same time: Map Switch, Quick Shifter, Pit Lane Speed Limiter, and Launch Control.

PCV-PTI AND DUAL PTI MODELS (P = pressure T = temperature I = Input)

Designed specifically for forced induction applications, the Power Commander V PTi expands on the full functionality of the new Fuel and Ignition PCV units with built in pressure(boost) and temperature control.

This new unit, PCV-PTi, comes with a Bosch 3 bar MAP/ Temp sensor as part of the PCV harness for expanded capabilities built into the Control Center Software.

The PTi version of the PCV gives you the ability to modify your fuel curve based off a pressure (boost) table and/or temperature table. The pressure table gives you 3D mapping capability based on boost vs RPM, while the temperature table gives you 2D mapping capability with up to 50 points of adjustment.

This new version of the Power Commander V is perfect for turbocharged or supercharged applications looking for precision, control, and reliability.

New Dual PTI units available for 2-Stroke Forced Induction applications.

AUTOMATICALLY ADJUSTS FUELING FOR ELEVATION CHANGES AT ALL BOOST LEVELS

PCV-PTI-SI

For super/turbocharged Polaris CFI2 models that use supplemental fuel injectors. We offer this with EV1 and EV6 style connectors depending on the extra injector(s) included in your kit.

THE POWER COMMANDER EX

For Street Bike applications Dynojet offers the Power Commander EX. The PC EX offers virtually the same tuning functionality and installation ease as our "race only" Power Commander line, while at the same time complying with the California Air Resources Board regulations.



POWER COMMANDER V

STANDARD FEATURES

- REDUCED SIZE - (LESS THAN HALF OF THE SIZE OF PCII)
- USB POWERED FROM COMPUTER - (9 VOLT ADAPTER IS NO LONGER NEEDED FOR PROGRAMMING)
- 2 POSITION MAP SWITCHING FUNCTION BUILT IN - (MAP SWITCH NOT INCLUDED)
- GEAR POSITION - (ALLOWS FOR MAP ADJUSTMENT BASED ON GEAR)
- 10 THROTTLE POSITION COLUMNS - (UP FROM 9 ON PCIIUSB)
- BUILT IN QUICK SHIFTER ADJUSTABILITY - (ADJUSTABLE PER GEAR SENSOR AND SHIFT RODS NOT INCLUDED)

- ENHANCED "ACCEL PUMP" UTILITY
- "WARM UP" FUEL ADJUSTMENT - (UNIT READS ENGINE TEMP AND ALLOWS FUEL ADJUSTMENTS BASED ON IT)
- INDIVIDUAL CYLINDER MAPPING
- ANALOG INPUT - (ALLOWS USER TO USE ANY 0-5 VOLT SENSOR AND BUILD AN ADJUSTMENT TABLE BASED ON ITS INPUT SUCH AS BOOST)

POWER COMMANDER V- ACCESSORIES

SECONDARY FUEL MODULE (SFM)

The SFM connects to the upper injector rail using OEM connectors. From there, it needs only a single cable connection to the PCV. Once connected, you will be able to adjust both upper and lower injectors by as much as +250/-100%. It also allows adjustment of the upper injectors SEPARATE from the lower injectors. In addition to the increased fuel adjustability the SFM provides, it also allows for the use of the Dynojet Quick Shifter sensor on 8 injector bikes.

Most of today's high performance, four cylinder Sport Bikes have two injectors per cylinder. The Power Commander V connects to 4 of those 8 injectors. In virtually all cases, the PCV's +250% / -100% fuel adjustability allows more than enough adjustment for all but the most radically altered engines. However, we recognize that there are people building heavily modified engines (extreme big bore, turbo, etc) that may require the adjustment of all 8 injectors.

If the gear position input is connected on your PCV you will have the ability to adjust all of the injectors on a "per gear" basis (a complete map for every gear) as well as the ability to map each injector separately. That gives you up to 48 complete maps!

There will also be a "basic" mode that allows you to have a single fuel table that simply puts the requested fuel change in both upper and lower injector modules at the same time. For those of you that have modified engines that require more fuel than 4 injectors can provide, but do not need the complexity of mapping each cylinder and each gear separately, this setting is for you.

In addition to the increased fuel adjustability the SFM provides, it also allows for the use of the Dynojet Quick Shifter sensor on 8 injector bikes. On earlier Power Commanders an Ignition Module or Stand Alone Ignition Quick Shifter was necessary to use the DQS on bikes with 8 injectors. Now, you can have both added fuel control and shifter functionality at a very low price.



QUICK SHIFTER EXPANSION MODULE

The Quick Shifter Expansion Module allows the Dynojet Quick Shifter sensor to be used with Power Commander V on bikes that have 8 injectors.

The QEM connects to the upper injectors and then into the PCV. Once the sensor is attached you will have full Quick Shifter functionality at the lowest cost possible!



MAP SELECTION SWITCH

Now available for all Power Commander V models

Connecting the Map Selection Switch allows the rider to switch between two different maps within the Power Commander V. For Touring Bikes, this could be used to switch between a "fuel economy map" for long rides and a "full performance map". For Sport Bikes, it could be used for applications such as "Dry Nitrous Oxide" kits to permit the user to make the fuel mixture richer when activating the system.



POWER COMMANDER III



The Power Commander III USB is a fuel injection adjustment unit that plugs "inline" with the bike's stock ECU (electronic control unit). The PC uses original equipment style connectors, so no splicing or cutting of the harness is required. Most installations take less than 15 minutes, some as little as 5 minutes.

Changes are made to the bike's fuel and, in some cases, ignition curves via the PC's onboard microprocessor. Using this technology we are able to offer a large area of adjustment without making any permanent changes to the bike's ECU. Removing the PC returns the bike to its previous stock condition. Each unit comes complete with software and cable link that allows you to change between different maps or make adjustments to a map file.

FEATURES

- WORKS WITH ANY EXHAUST
- EXPANDABLE WITH:
- UP TO -100% / +100% FUEL ADJUSTABILITY OVER STOCK
- IGNITION MODULE
- QUICK SHIFTER
- COLOR LCD DISPLAY
- EASY INSTALLATION (NO CUTTING OR SPLICING)
- MULTI-FUNCTION HUB

MULTI-FUNCTION HUB

The Multi-Function Hub allows users to access advanced expansion features. Several optional harnesses are available to permit both input and output to/from the module.

MAP SELECTION SWITCH 61329304

Connecting the Map Selection Switch allows the rider to switch between two different maps within the Power Commander. For Touring Bikes, this could be used to switch between a "fuel economy map" for long rides and a "full performance map". For Sport Bikes, it could be used for applications such as "Dry Nitrous Oxide" kits to permit the user to make the fuel mixture richer when activating the system. Additionally, if the Power Commander has an Ignition Module connected, it can switch to a less aggressive timing map at the same time.



GEAR POSITION/SPEED INPUT 76950212

Fuel and ignition timing (when using the Dynojet Ignition Module) adjustments can be made based on gear position. If the user wants to advance the timing in lower gears while retarding it in higher gears, this input makes that possible.



PRESSURE INPUT 76950012

When using a Power Commander on turbocharged applications, the Boost Input option makes it possible to have the fuel automatically increase with boost level. In situations where the user has an adjustable boost controller, this makes remapping each time the boost level is changed unnecessary.



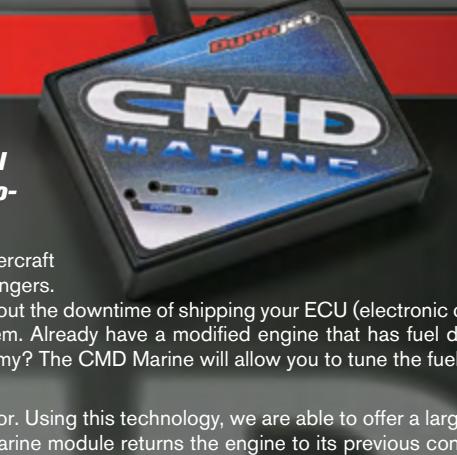
RELAY (DIGITAL IN/OUT) HARNESS 76950506

Based on the data from the Power Commander and the inputs from the Multi-Function Hub, a solenoid, relay, warning light, etc. can be triggered. This can be used to activate items such as a shift light, Nitrous Oxide system, or air shifter.

AVAILABLE MULTI-FUNCTION HUB KITS AND HARNESSSES

PRODUCT DESCRIPTION	PART #	PRODUCT DESCRIPTION	PART #
MULTI-FUNCTION HUB KITS			
Hub Only (no harnesses included, must add from list below as needed)	HUB-001	MULTI-FUNCTION HUB HARNESSES	
Hub with Map Switch & Handle Bar Bracket	HUB-002	Map Selection Switch Harness	76950320
Hub with Map Switch/Bracket and Gear Position, Relay and Boost Harnesses (no connector)	HUB-003	Map Selection Switch Bracket	61329304
		Gear Position Harness	76950212
		Relay (digital in/out) Harness	76950506
		Pressure Input Harness (bare ends, no connector)	76950012
		Pressure Input Harness (with General Motors 3 BAR pressure sensor connector)	76950325

CMD MARINE



The CMD Marine for boats and personal watercraft is an easy-to-install fuel controller that gives the end user full control of the fuel curve in an easy-to-adjust format for the ultimate in air/fuel ratio tuning.

With CMD Marine units available for popular V8 inboard marine engines and personal watercraft applications you'll have the power to control your engines' fuel curve at the tips of your fingers.

The CMD Marine gives you the ability to tune the engine for a proper fuel delivery curve without the downtime of shipping your ECU (electronic control unit) off for recalibration, or the expense of going to a standalone fuel management system. Already have a modified engine that has fuel delivery issues? Does your engine run rich at idle or through the mid-range, killing your fuel economy? The CMD Marine will allow you to tune the fuel curve to work with most aftermarket modifications.

Changes are made to the engines' fuel curve via the CMD Marine's onboard microprocessor. Using this technology, we are able to offer a large area of adjustment without making any permanent changes to the ECU. Removing the CMD Marine module returns the engine to its previous condition. The unit comes complete with software and USB cable link that allows you to change between different maps or make adjustments to a map file. The USB port provides an instant, no-hassle way to connect the CMD Marine unit to today's computers.

FEATURES

- SMALL FOOTPRINT FOR EASY MOUNTING (FOR V-8 APPLICATIONS, 2 MODULES AT 5/8" X 3-3/8" X 2-5/16")
- USB POWERED FROM COMPUTER (CAN BE PROGRAMMED OFF-VEHICLE)
- INDIVIDUAL CONTROL PER ENGINE BANK (LEFT AND RIGHT)
- UNIT HAS A -100%/+250% FUEL CHANGE RANGE
- HIGH RESOLUTION MAP SENSOR BASED FUEL TABLE FOR PRECISE FUEL CHANGES
- AUTOMATIC MAP RETRIEVAL UPON CONNECTION
- ONBOARD NOTES STORAGE FOR MAP DESCRIPTIONS
- QUICK CONNECT CAN ACCESSORY COMMUNICATION PORTS FOR LCD AND AUTOTUNE ACCESSORIES

SEE PAGE 31 FOR A COMPLETE LIST OF CMD MARINE APPLICATIONS

DYNOJET FUEL CONTROLLER - DFC



Through Dynojet's Direct Injector Control, the fuel circuits on current scooters can be modified both richer and leaner than stock as much as -100% to +250% in any particular area of the power spread with the DFC.

Riders can literally select between a DFC Power Map, custom-built maps, or even fine tune low, mid or high rpm ranges while sitting on the bike and without plugging in to a computer. Standard +/- 10% increments from selected map settings, different ranges are available using the supplied Control Center software. Users can load up to 10 of their personally built Power Maps into the DFC and select between them while in the saddle—eliminating the need to "re-boot" with the computer every time a new map is desired.

COMPUTING POWER

For racers and riders looking for the ultimate in precise adjustment and fuel map customization and creation, Dynojet's Control Center Software allows PC-based Power Map creation at 250-rpm increments and 10 different throttle positions. Modification parameters vary upon make and model of machine and fuel changes made in these increments are automatically interpolated between the rpm and throttle position ranges ensuring a smooth final power curve.

FEATURES

- USES OEM STYLE CONNECTORS AND HIGH QUALITY WIRING HARNESSES.
- PRE-PROGRAMMED WITH DFC POWER MAPS SPECIFIC TO MAKE, MODEL
- NO COMPUTER NECESSARY FOR MODIFYING FUEL MANAGEMENT.
- FULLY ADJUSTABLE COMPUTER COMPATIBILITY FOR ULTIMATE TUNING AND PERSONALIZATION.
- SOFTWARE IS COMPATIBLE WITH POWER COMMANDER, SO YOU CAN DOWNLOAD POWER COMMANDER MAPS TO THE DFC

DYNOJET FUEL CONTROLLER (DFC) APPLICATIONS

Model	Year	Price	Part #
HONDA			
PS125	2010	O	HON-001
HONDA SH125 / 150	2008-2010	O	HON-003
CBR 250	2011	M	HON-002
SH300i	2008-2010	O	HON-006
SWT400	2006-2009	O	HON-005
PIAGGIO (CONTINUED)			
BV500	2007-2009	O	PIA-004
BV300 / VESPA 300GTS	2009-2010	O	PIA-005
SUZUKI			
BURGMAN 125	2007-2009	O	SUZ-001
SIXTEEN 125	2009-2010	O	SUZ-002
BURGMAN 400	2005-2012	O	SUZ-003
BURGMAN 650	2004-2012	O	SUZ-004
YAMAHA (CONTINUED)			
C3	2007-2010	O	YAM-001
X MAX 125	2007-2010	O	YAM-002
X CITY 125	2007-2009	O	YAM-003
ZUMA 125	2009-2010	O	YAM-015
X MAX 250	2007-2010	O	YAM-004
XT250	2013	M	YAM-009
X CITY 250	2007-2009	O	YAM-005
MORPHOUS	2007-2009	O	YAM-006
MAJESTY 400	2004-2008	O	YAM-007
T-MAX 500	2008-2010	O	YAM-008

AUTOTUNE KITS



Don't have a dyno tuning center nearby? Are you more of a D.I.Y. (do it yourself) type? Are you constantly changing parts on your bike or personal watercraft?

If you answer "yes" to any or all of the questions above, then our Autotune kit is for you. The Dynojet Autotune kit is an "add on" accessory that can be used with any of our Power Commander V's and CMD. It is easy to install and connects with a single cable and your vehicles +12 volt power source.

AUTOTUNE FOR THE POWER COMMANDER V AND CMD

We have taken virtually the same technology that our patented Tuning Link Dynamometer Software (designed for automated Dyno tuning) uses, along with Bosch Wide Band O2 sensor(s) and miniaturized it to be used on your vehicle, while you ride.

Once installed, the Autotune kit monitors the fuel mixture (by installing the included Wide Band O2 sensor(s) in the exhaust). It then sends this information to the Power Commander V or CMD and automatically corrects it as you ride, letting you feel the changes as they happen. Each map that we offer has preset Air/Fuel ratio target values included that we find to be the best overall settings. This lets you simply plug in the unit and let it do the work. For advanced users who would like to change the Air/Fuel ratios from our baseline, they are fully adjustable. Each throttle opening/rpm combination is individually adjustable, so that you can have both fuel economy during cruise, while maintaining peak output at larger throttle openings.

For most models of bikes, it is also possible to adjust the Air/Fuel ratios "per gear". This gives you total control of the fueling in every gear and throttle/rpm area if required.

The Autotune kit can be configured to run and correct at all times, or by using the "map switch port" on the Power Commander V or CMD. This allows you to switch back and forth between the tuning mode and the base map settings. You can also configure the Autotune kit to wait until the vehicle is at a certain operating temperature before beginning to make adjustments.



We offer three base Autotune kits. The first is specifically for Harley Davidson models. It includes two sensors (for front and rear cylinders), special length sensor cables, (O2 bungs -AT100B) and a connector for power that plugs into the stock harness. The second is a single sensor, universal kit, and can be used on any PCV or CMD. The third kit includes two sensors and is designed to be used on twin cylinder models.

AT-100/100B /AT-101/101B - FOR HARLEY DAVIDSON

The Autotune kit will map each cylinder separately and can also adjust differently for each gear if desired. Gear position information is built into each PCV for HD's, so no additional wiring is required.



AT-200 - UNIVERSAL KIT

The Autotune Universal kit can be used with any Power Commander V and CMD. The kit includes a single sensor and connection harness.



AT-300 - UNIVERSAL KIT

This Autotune Universal kit is designed for twin cylinder motorcycles, ATVs that allows control of two cylinders simultaneously. Also for use in marine application with two banks of cylinders (V6, V8, etc). The kit includes two sensors and connection harnesses.



AUTOTUNE KITS FOR POWER COMMANDER V AND CMD

Product Description	Part #
AUTOTUNE KITS	
Universal Autotune 2 sensors	AT-300
Universal Autotune Kit	AT-200
Harley-Davidson Autotune Kit	AT-100
Harley Davidson 10-12 Touring with Weld Bungs	AT-100B
Harley CANbus (2011-2012 Softail, 2012 Dyna)	AT-101
HARLEY CANbus with Weld Bungs (2011-2012 Softail, 2012 Dyna)	AT-101B

Product Description	Part #
AUTOTUNE ACCESSORIES	
Weld Bung for O2 sensor M18-1.5	37218120
Plug for O2 sensor bung M18-1.5	37318133
Washer, copper O2 sensor	36973000

TOLL FREE 1-800-992-4993

IGNITION MODULE



The Dynojet Ignition Module is an "add on" accessory for select Power Commander III USB and Power Commander V applications. It allows you to control and adjust the ignition timing of your motorcycle's engine.

The Ignition Module comes standard with no adjustments made in the map for the timing table. Due to different states of tune, fuel quality, and engine modifications, we found it is best to leave the ignition timing stock for safety reasons. To have your ignition curve fine tuned, Dynojet recommends bringing your bike to one of our Authorized Power Commander Tuning Centers. These centers have the necessary dynamometer equipment to extract the most performance out of the Ignition Module.

On motorcycles that have eight injectors and were not previously able to benefit from the use of the Dynojet Quick Shifter, the Ignition Module now allows this functionality. The Ignition Module is connected to the Power Commander with its built in expansion port link, and communicates via a CAN interface. As in the case of the Power Commander, the Ignition Module uses OEM style connectors to plug in-line of the stock ignition harness so no cutting or splicing is required.

The Ignition Module uses "direct coil driver technology" and allows a high degree of timing adjustment. In the Power Commander Control Center Software, the user is able to advance or retard the ignition curve up to 10 degrees based on throttle position and RPM. It is also possible to alter the timing for each cylinder individually if necessary.

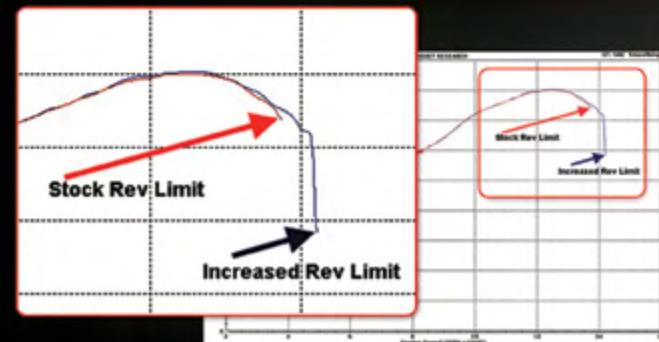


The Ignition Module 2 for the PCV and CMD Marine is similar to the module for the PCIIIUSB with increased tuning capabilities.

- ALLOWS +/- 20 DEGREES OF TIMING ADJUSTMENT
- ADJUST TIMING PER CYLINDER
- ADJUST TIMING PER GEAR
- RAISE YOUR REV LIMIT (select models)
- ADJUST TIMING BASED ON ENGINE TEMP OR BOOST INPUT*
*(when connected to a PCV)
- BUILT IN LAUNCH LIMITER (2 step)
- BUILT IN SPEED LIMITER (pit lane limiter)



PLEASE SEE POWER COMMANDER APPLICATION TABLES FOR AVAILABLE MODELS.



REV X-TEND

On select models of bikes, our Rev X-tend feature is available when using the Ignition Module. Rev X-tend makes it possible to increase the RPM limit from the factory setting. This feature is intended to be used on engines that have been modified to allow the increased RPM limit.

Go to www.powercommander.com for a list of Rev X-tend bike applications.

COLOR LCD UNIT



The LCD Display connects to any Power Commander (some BMW models excluded) via a "quick disconnect" cable. It is designed to remain on the bike and is weather resistant. While connected, the unit will display all available data from the Power Commander. When connected to a PCII USB with the optional Multi-Function Hub also installed, all of its data is available for viewing as well.



FEATURES

- TOUCH SCREEN
- DISPLAYS ALL POWER COMMANDER DATA "REAL-TIME"
- ALLOWS STORAGE & SWITCHING BETWEEN MULTIPLE MAPS
- DATA LOGGING CAPABLE
- "ON SCREEN" MAP ADJUSTMENTS
- USER CONFIGURABLE SCREENS
- USB PROGRAMMABLE & UPGRADEABLE*
- ACTIVE MATRIX TFT LCD 240 X 320 16 BIT COLOR SCREEN

*REQUIRES WINDOWS 2000, ME, XP, VISTA 7, OR 8.

EASY REMOVAL, MOUNTING AND PROGRAMMABILITY

The unit can be removed easily from the bike and accessed with a desktop computer. Maps can be downloaded, stored and the data viewed with the supplied software. As new functions, screens and features become available, the unit is "user upgradable" using the supplied USB cable and free downloads available in this site under downloads and map downloads.

The LCD Unit has the ability to log the data being displayed for later analysis and store multiple maps in the unit (both features require optional SD* memory card, not included). These maps can be sent to the Power Commander "on the fly". Additionally, maps can be adjusted using the controls on the display.

*The Color LCD can support up to a 1gb max card, and that will record up to 186 hours of data



DRAG SIMULATION FEATURE (PCIII ONLY)

Test your skills on the 1/4 mile or how quick you are from 0-60 MPH.

- Requires Multi Function Hub with Speed input cable.
- May require firmware update.



AVAILABLE COLOR LCD UNITS

PRODUCT DESCRIPTION	PART #
COLOR LCD UNIT KITS	
Color LCD Unit for use with PCII USB and Wide Band Commander	LCD-100
Color LCD Unit for use with PCV, CMD Marine and Wide Band 2	LCD-200

PRODUCT DESCRIPTION	PART #
COLOR LCD UNIT HARNESSES	
PCII USB Harness for LCD-100 (included in kit)	76951014
PCV/Wide Band 2 Harness for LCD-200 (included in kit)	76950066
Wide Band Commander Harness for LCD-100 (required)	76950025

QUICK SHIFTER SENSORS

Normally during "up shifting" you must roll off of the throttle and pull in the clutch in order to engage the next higher gear. In racing (both drag and road race), split seconds count. Rolling off the throttle, even slightly, slows your times and can be the difference between winning and losing.

The Dynojet Quick Shifter (DQS) allows full throttle, clutchless shifting. This is done by momentarily cutting the fuel and/or ignition, which unloads the transmission. During this time, the rider can shift up to the next gear without rolling off the throttle or using the clutch.

The amount of "kill time" is adjustable by the user via the provided software. The user can also set a minimum rpm for the system to function. This keeps the system from activating at too low of an rpm, such as low speed road riding.

The PCV allows each gear to have its own "kill time" setting. (requires Gear Position input to be connected)

Note: Certain bikes require additional Dynojet products for Quick Shifter Functionality.

Check Power Commander Applications list for details.



THERE ARE THREE BASIC CHOICES OF SWITCHES THAT CAN BE USED TO ACTIVATE THE DQS:

SHIFT ROD PRESSURE/TENSION SENSOR

This universal sensor mounts inline with the shift rod. The customer must provide the appropriate "length and thread" shift rod. This sensor is available in both "push" and "pull" styles depending on the direction the shift rod moves during an up shift. For most applications, a Shift Rod Kit is available.



LINEAR TRAVEL SENSOR KIT

For applications where a bike does not have a shift rod, or the Shift Rod Sensor will not fit, we offer a Linear Travel Sensor. One end of this sensor is mounted to the shift lever itself and the other to a fixed point on the chassis. This sensor is available in both "push" and "pull" style to suit all installations. A universal mounting kit is included.



HANDLEBAR MOUNTED SWITCH - PCIII USB ONLY

A handlebar mounted activation switch is offered for situations where a Quick Shifter sensor is not legal for a particular racing organization, impractical to fit, or not preferred by the rider. The button features gold plated contacts for durability and the least amount of electrical resistance. The CNC machined handlebar bracket has been designed specifically to position the button for the most comfortable operation and accessibility during use. To use this type of switch, the rider must first slightly preload the shift lever, press the handlebar mounted switch, and then complete the shifter movement.



AVAILABLE QUICK SHIFTER SENSORS, KITS AND ACCESSORIES

PRODUCT DESCRIPTION	PART #	PRODUCT DESCRIPTION	PART #
QUICK SHIFTER SENSORS FOR PCIII USB		UNIVERSAL QUICK SHIFTER SENSORS	
Shift Rod Tension Sensor (Pull Type)	4-101	H-D Shift Rod Sensor (Pull Type) - m6 5/16 UNF threads	4-107
Shift Rod Tension Sensor (Push Type)	4-102	H-D Shift Rod Sensor (Push Type) - m6 5/16 UNF threads	4-108
Linear Sensor (Pull Type) - includes mounting kit	4-103	QUICK SHIFTER ACCESSORIES	
Linear Sensor (Push Type) - includes mounting kit	4-104	Dealer Universal Shift Rod Kit (Rods - A, B, C and D)	4-106
Handle Bar Switch	4-105	H-D Softail, Dyna and Touring Model Shift Rod Kit (except Wide Glide)	4-109
QUICK SHIFTER SENSORS FOR PCV		H-D V-Rod Shift Rod Kit	4-110
Shift Rod Tension Sensor (Pull Type)	4-113	H-D XR1200 Shift Rod Kit	4-117
Shift Rod Tension Sensor (Push Type)	4-114	FEMALE/FEMALE Shift Rod A (black anodized aluminum)	32104060
Linear Sensor (Pull Type) - includes mounting kit	4-115	MALE/MALE Shift Rod B (black anodized aluminum)	32104050
Linear Sensor (Push Type) - includes mounting kit	5-116	MALE/MALE Shift Rod C (black anodized aluminum)	32104030
H-D XR1200 Shift Kit	4-117	MALE/FEMALE Shift Rod D (black anodized aluminum)	32105030
Off-Road Linear Sensor (Push Type)	4-121		

IGNITION QUICK SHIFTER KITS

FEATURES

- USER ADJUSTABLE "KILL TIMES"
- USES NORMALLY OPEN STYLE SENSORS
- UNIVERSAL FIT
- USES ADAPTIVE SHIFT TECHNOLOGY FOR LOW SPEED SEAMLESS SHIFTS

These units allow any vehicle with 4 cylinders or less (motorcycle, ATV, mini sprint, etc.) to have quick shifter functionality without the need for a Power Commander. It comes with "coil cap" style connectors for easy installation on most late model motorcycles. For applications that do not have this style of coil, the connectors can be removed and the unit hard wired in.

Additionally the unit features "Intellishift". The controller automatically staggers the "kill times" to cylinder for increased smoothness during lower rpm, part throttle shifts.

No computer is required for setup. Installation can be done in as little as 30 minutes. Must be used with one of the 3 DQS shift sensors (sold separately).

DUCATI UNIVERSAL KIT
4-120



HONDA CBR250R KIT
4-122



KAWASAKI EX250 KIT
4-123



DIRT BIKE/ATV QUICK SHIFTER 4-121

This unit allows any single cylinder vehicle to have quick shifter functionality without the need for a Power Commander. It comes with DENSO style "coil cap" connector for easy installation on most late model applications. For applications that do not have this style of coil, the connector can be removed and the unit hard wired in.

- LONG TRAVEL SENSOR DESIGNED TO KEEP UNIT AWAY FROM RIDERS BOOT AND FROM THE BIKES CHAIN.
- SENSOR IS FULLY WATERPROOF AND IMMUNE TO TEMPERATURE
- OPTIONAL REMOTE QUICKSET ADJUSTER ALLOWS YOU TO ADJUST KILL TIMES ON THE FLY.

AVAILABLE IGNITION QUICK SHIFTER KITS AND ACCESSORIES

PRODUCT DESCRIPTION	PART #
IGNITION QUICK SHIFTERS	
Ignition Quick Shifter (control box only) - requires shifter sensors	4-118
Ducati Stand Alone Ignition shifter (control box only) - requires shifter sensors	4-120
Off-Road Quick Shifter Kit (includes Sensor and Control Box)	4-119
Optional Quickset Adjuster	61100014
Honda CBR250R Kit (includes Sensor, Shift Rod and Control Box)	4-122
Kawasaki EX250 Kit (includes Sensor, Shift Rod and Control Box)	4-123



Dynojet's Wide Band 2 is the second generation of Dynojet's popular Wide Band Air/Fuel Ratio Monitor kit with digital technology, quickest response in the industry, all with a lower price and a more compact package.



SENDS WIDEBAND DATA TO PCV/CMD TO ENABLE AUTOTUNE FEATURE!

PRODUCT FEATURES

- ONE WIRE RPM HOOKUP
- BUILT-IN SENSOR CONDITION TEST
- 0-5V ANALOG INPUT (TPS, MAP, ETC)
- DURABLE ENCLOSURE AND WIRE
- SHEATHING FOR YEARS OF TROUBLE-FREE OPERATION

SPECIFICATIONS

Power Requirement:	11.5-15v, 3A
Dimensions:	2.80" w x .56" h x 1.488" d
Range:	.68 lambda - ambient air
Inputs:	Analog, Digital, Square wave, 0-5v 0-12v nominal (coil (-) tachometer signal)
Outputs:	Gauge Driver Calibrated AFR Simulated Narrow Band
Expansion Connectivity:	CAN based (CAN Link cable required)



WIDE BAND 2 KITS

WIDE BAND 2 BASE KIT - 15-7003

The Wide Band 2 Base Kit includes:

- Wide Band 2 Control Module
- Bosch 5 wire LSU4.2 Wide Band Sensor with harness
- 18mm x 1.5mm Sensor Boss and Plug

WIDE BAND 2 - COLOR TOUCH SCREEN LCD KIT - 15-7008

Monitor and record AFR, (1) Analog Input, and RPM (Record feature requires optional SD memory card).

WIDE BAND 2 - DIGITAL/ANALOG GAUGE KITS - SEE BELOW

Kit Includes the Wide Band 2 Base kit and your choice of either a Black/White Digital or Black / White Analog Gauges.



OPTIONAL WIDE BAND 2 GAUGES & HARNESSSES

DYNOJET CAN-LINK CABLES

Connects the Wide Band 2 to the network of Dynojet performance and diagnostic modules. Sends wideband data to PCV/CMD to enable AutoTune feature.



DATA ACQUISITION / GAUGE COMBINATION HARNESS - 76950118

Allows the Wide Band 2 to simultaneously drive a data acquisition device and optional gauge.

Product Description	Part #
WIDE BAND 2 KITS	
Wide Band 2 Base Kit	15-7003
Wide Band 2 Kit - with Color LCD Unit	15-7008
Wide Band 2 Kit - with White Digital Gauge	15-7007
Wide Band 2 Kit - with Black Digital Gauge	15-7006
Wide Band 2 Kit - with White Analog Gauge	15-7005
Wide Band 2 Kit - with Black Analog Gauge	15-7004
WIDE BAND 2 HARNESSES	
Data Acquisition / Gauge Combination Harness	76950118
Dynojet CAN Link Cable 36"	76950117
Dynojet CAN Link Cable 18"	76950145
Dynojet CAN Link Cable 6"	76950143

HD MICRO DISPLAY

The Dynojet Micro Display is a digital display gauge for Harley-Davidson® models. The Micro Display utilizes the latest LCD technology for perfect daytime clarity and cool backlighting at night.

PRODUCT FEATURES

- TACHO/RPM BAR GRAPH
- TEMPERATURE READING
- CLOCK (12 HOUR)
- 3 ULTRA-BRIGHT SHIFTLIGHTS
- HIGH BEAM INDICATOR
- SHOW CHROME FINISH
- MACHINED FROM BILLET ALUMINUM
- SIMPLE INSTALLATION
- MATCHES OEM APPEARANCE

The Micro Display is machined from billet aluminum for superior durability and then chrome plated for that show bike finish, offering user defined 'cool blue' or 'standard natural' backlighting, RPM tachometer bar graph indication, engine temperature reading, clock, and a 3 Megabright LED shiftlight array for optimum RPM gear shifts plus turn signal & high beam indicators.

The Dynojet Micro Display features a universal wiring harness that is weatherproof to IP66 specifications, indicating it is impervious to damage from natural elements. The universal harness is designed to lay along the existing wiring loom so the appropriate wires fall into their respective positions close to the connection areas. Typically there are just 4 wires to connect: high beam, indicators left and right, and RPM sensing from an ignition coil.

The Harley temperature gauge sensor is supplied in the universal harness and is a copper ring terminal thermister type - very accurate. This sensor is attached to the front 3/8" engine mount bolt on the left hand side of the engine and provides invaluable engine temperature readings.



The HDMD-100 Micro Display - simply attaches to the back of the original speedometer tank housing of the Road King models in seconds using 3M's patented adhesive tape system resulting in a very clean 'straight from the factory' look.

Product Description	Part #
DYNOJET HD MICRO DISPLAY	
Dynojet Micro Display 2008-2011 Harley Road King	HDMD-100
Dynojet Micro Display Universal mount - kit includes 3/8" mounting studs	HDMD-200
Dynojet Micro Display Universal mount - kit includes 5/16" mounting studs	HDMD-300

AVAILABLE HD MICRO DISPLAY MODELS

DYNOJET MOTORCYCLE JET KITS

STAGE 1 KITS

Designed for motorcycles with a stock engine using the stock airbox, air filter, and stock or aftermarket pipe. Stage 1 kits are fully adjustable to allow the use of well-designed aftermarket pipes and K&N stock replacement air filters. Stage 1 kits are designed to improve throttle response and driveability – in most cases power increases of approximately 5% throughout the entire power range can be achieved.

STAGE 2 KITS

Designed for motorcycles with a stock or mildly modified engine using a well-designed stock or aftermarket pipe with a modified airbox and a stock or K&N replacement air filter. Stage 2 kits are designed for applications where individual air filters cannot be installed and for applications where airbox modifications improve overall engine performance. In most cases power increases of approximately 8% can be achieved.

STAGE 3 KITS

Designed for motorcycles with stock or mildly modified engines using K&N individual air filters and a stock or aftermarket pipe. In most cases power increases of 10-15% can be achieved. However, driveability may be compromised particularly with short stroke high RPM motors. On some modern engine and airbox designs, individual filters and proper jetting offer no performance improvement, yet compromise driveability. In such cases stage 3 kits are not available.

STAGE 7 KITS

Designed for race use only or special applications. With the exception of our Harley-Davidson® stage 7 kits, all stage 7 kits are high RPM, racetrack use only and are not suitable for street use.

THUNDERSLIDE KITS

Thunderslide for Harley-Davidson® and Buell, is the benchmark in jet kit design. It incorporates the first custom-made slide by an aftermarket manufacturer, something no other competitor can claim. The unique configuration allows precise control over the slide's range of movement. The slide creates a stronger signal, which improves fuel atomization. This provides more power, increased throttle response and improved fuel economy.

NEEDLE JET REPLACEMENT KITS

Modern fuels have less lubricating properties and over time, needle jet wear is quite common on certain motorcycles. Some carburetors have what are termed "non replaceable" needle jets and when worn, the motorcycle will experience poor fuel consumption and driveability problems.



Example of worn jet

Dynojet Needle Jet Replacement Kits contain new needle jets and special tools which allow the needle jets to be replaced.

These kits are designed to function with the stock needles or Dynojet Kit Needles.



YEAR	MODEL	COMPLETE NEEDLE JET REPLACEMENT KIT	REPLACEMENT NEEDLE JETS ONLY (4 REQUIRED)
KAWASAKI			
1994-1999	ZX9 R	DNJRP002	DJN001
2000-2001	ZX9 R	DNJRP003	DJN001
SUZUKI			
1997-1999	GSXR 600	DNJRP001	DJN002
1996-1997	GSXR 750T	DNJRP001	DJN002
YAMAHA			
1999-2002	YZF600 R6	DNJRP004	DJN003
1998-2001	YZF1000 R1	DNJRP001	DJN002
1996-2002	YZF1000 T/ACE	DNJRP001	DJN002

REPLACEMENT JET STYLES

DJ STYLE MAIN JET

Available from size; 74 - 150 in increments of 2 150 - 200 in increments of 5, and size 210.

YJ STYLE MAIN JET

Available from size ; 116-150 in increments of 2 155-185 in increments of 5.

SJ STYLE MAIN JET

Available from size; 126 - 144 in increments of 2 150 - 160 in increments of 5.

BJ STYLE MAIN JET

Available from size; 150 - 200 in increments of 2 155-185 in increments of 5.

PART#	PRODUCT DESCRIPTION
JET TYPES	
SJ-2	SJ 126-144 & 150-160 (120pcs, 10 of each)
YJ-1	YJ 116-128 & YJ-0 (24pcs, 4 of each & 24pcs of YJ-0)
YJ-2	YJ 144-200 (120pcs, 10 of each & 24pcs of YJ-0)
DJ-1	DJ 74-96 & 150-210 (240pcs, 10 of each)
DJ-2	DJ 122-210 (260pcs, 10 of each)
DJ-3	DJ 98-144 (240pcs, 10 of each)
DJ-4	DJ 74-120 (240ocs, 10 of each)
DJ-5	DJ - Select any 5 sizes (20pcs, 4 of each)
DJ-6	DJ 74-210 (500pcs, 10 of each)
SJ-1	SJ 126-144 & 150-160 (48pcs, 4 of each)

PART#	PRODUCT DESCRIPTION
E-CLIP & WASHER ASST.	
SJ-2	E-Clip & Washer Asst. (DE001 & DW0001 50 pcs of each)
YJ-1	
YJ-2	
DJ-1	
DJ-2	
DJ-3	
DJ-4	
DJ-5	
DJ-6	
SJ-1	



HARLEY HARLEY-DAVIDSON® PRODUCT AND ACCESSORY APPLICATIONS

POWER VISION PERFORMANCE TUNER

**WANT TO FLASH TUNE YOUR HARLEY-DAVIDSON MOTORCYCLE?
FLASH FORWARD TO THE NEW POWER VISION FROM DYNODET.**

Power Vision is a performance tuner and data monitor that offers the latest flash tuning technology, data logging, and other industry exclusive features.

Developed to tune any Harley-Davidson® motorcycle with the Delphi ECM, even the latest 2012 models, the Power Vision Product Suite includes a full color touch screen flash device, vehicle interface cable, and WinPV (Windows PC based tuning application).

The Power Vision incorporates a very sophisticated, yet simple touch screen display that DOES NOT require the use of a computer to flash your bike. Simply plug in the Power Vision to your bike and follow the on-screen prompts. You can then select the tune to download, or in other words, flash the tune to your bike in a few easy steps. Don't worry, the Power Vision automatically uploads and stores the original tune for safe keeping before flashing a new tune. If you'd like, you can even edit your tune without touching a computer with the Quick Tune feature! That's right, you can flash AND make changes to your tune without ever getting off your bike.

POWER VISION MODELS AND ACCESSORIES

PRODUCT DESCRIPTION	PART #
POWER VISION MODELS	
All J1850 ECM Harley-Davidson Models	PV-1
Supported Models: 2001-2010 Softails, 2002-Present Touring, 2002-Present V-Rod, 2004-2011 Dyna, and 07-Present Sportsters	
POWER VISION ACCESSORIES	
Visor and Quick Clip system - BLACK	61300054
Visor and Quick Clip system - CHROME	61300056

PRODUCT DESCRIPTION	PART #
AUTOTUNE FOR POWER VISION	
Dual Channel, Harley J1850 Models	AT-110
Dual Channel, Harley J1850 Models w/ Weld Bungs	AT-110B
HARLEY CANbus Models	AT-120
HARLEY CANbus Models w/ Weld Bungs	AT120B

Additional information on the Power Vision and available accessories please see the following pages:

Power Vision Performance Tuner: 4-6

Autotune Kits for the Power Vision: 7

HD MICRO DISPLAY

The Micro Display is machined from billet aluminum for superior durability and then chrome plated for that show bike finish, offering user defined 'cool blue' or 'standard natural' backlighting, RPM tachometer bar graph indication, engine temperature reading, clock, and a 3 Megabright LED shiftlight array for optimum RPM gear shifts plus turn signal & high beam indicators.



Product Description	Part #
DYNOJET HD MICRO DISPLAY	
Dynojet Micro Display 2008-2011 Harley Road King	HDMD-100
Dynojet Micro Display Universal mount - kit includes 3/8" mounting studs	HDMD-200
Dynojet Micro Display Universal mount - kit includes 5/16" mounting studs	HDMD-300

POWER COMMANDER MODELS AND ACCESSORIES

The PCV uses RPM and throttle position inputs to base fuel adjustments on. In some cases additional inputs can be used such as cylinder head or water temperature as well as gear position or boost.

The PCV has 250 rpm resolution and 10 throttle position columns giving you up to 640 individual mapping points for fuel and an equal number for ignition timing. This is the kind of "point specific" adjustability that is necessary with today's bikes and the parts that are available for them.

"IGNITION TIMING CONTROL"

We realized early on that while other motorcycles did not always need timing control, Harley Davidson's do. Every Power Commander we have ever made for HD models has come with the ability to adjust the ignition timing. We often find significant horsepower increases by making timing adjustments as well as being able to correct detonation problems that make occur. You can advance or retard your stock timing curve by +/- 10 degrees in the exact same, point specific throttle/rpm combinations that we allow the fuel changes in. There is no reason to retard the entire ignition timing curve (and reduce overall power) just because you have some detonation in a high throttle opening/low rpm area.

"REV XTEND"

Due to the fact we control both the injector and coils on the bike we are able to increase the rev limit of your stock ECM without an expensive "flash" upgrade from the dealer. We are able to increase the rev limiter to 6,200 rpm as part of the normal Power Commander functions without additional cost.



Model	Year	PCIII USB	PCV	Price Class	PC EX	Price Class	Shifter	Price Class	Optimizer	O2	Standard/Optional	O2 Type
883 Sportsters	2007-2009		15-001	C	15-001EX	C			76423011	STD	1	
883 Sportsters	2010-2013		15-009	C	15-009EX	C			76423011	STD	1	
1200 Sportsters	2007-2009		15-002	C	15-002EX	C			76423011	STD	1	
1200 Sportsters	2010-2013		15-010	C	15-010EX	C			76423011	STD	1	
XR1200	2009-2012		15-015	C	15-008EX	C	4-117		76423011	STD	1	
All EFI Models (Evo Motor)	97-98	801-511		B	801-511EX	C	4-109	K				
Touring Models (Twin Cam)	99-2001	802-511		B	802-511EX	C	4-109	K				
Touring Models	2002-2006		15-027	C	15-027EX	C	4-109	K				
Touring Models	2007		15-028	C	15-028EX	C	4-109	K	76423011	STD	1	
Touring Models	2008-2013		15-011	C	15-011EX	C	4-109	K	76423011	STD	1	
Softail Models	2001-2006		15-024	C	15-024EX	C	4-109	K				
Softail Models	2007-2011		15-004	C	15-004EX	C	4-109	K	76423011	STD	1	
Softail Models	2012-2013		15-021	C	15-021EX	C	4-109	K	76423029 FRONT 76423030 REAR	STD	1	
Softail Deluxe / Heritage	2009-2011		15-007	C	15-004EX	C	4-109	K	76423011	STD	1	
Dyna Models	2004-2005		15-025	C	15-025EX	C	4-109	K				
Dyna Models	2006-2011		15-005	C	15-005EX	C	4-109	K	76423011	STD	1	
Dyna Models	2012-2013		15-022	C	15-022EX	C	4-109	K				
V-Rod	2002-2007		15-026	C	15-026EX	C	4-110	L				
V-Rod	2008-2011		15-006	C	15-006EX	C	4-110	L	76423011	STD	1	
V-Rod	2012-2013		15-023	C	15-006EX	C	4-110	L				

POWER COMMANDER V ACCESSORIES

PART #	PRODUCT DESCRIPTION
AUTOTUNE KITS	
AT-100	AutoTune Kit, Dual Channel, Harley J1850 (all except 2011 Softail)
AT-100B	AutoTune Kit, Dual Channel, Harley J1850 w/ Weld Bungs (all except 2011 Softail)
AT-101	AutoTune Kit, Harley CANbus (2011 Softail)
AT-101B	AutoTune Kit, HARLEY CANbus w/ Weld Bungs (2011 Softail)
COLOR LCD UNIT	
LCD-200	Color LCD Unit for use with the Power Commander V
7695006	PCV Harness for LCD-200 (included with LCD Kit)
QUICK SHIFTER SENSORS-SEE POWER COMMANDER APPLICATIONS	

Additional information on the Power Commander and available accessories please see the following pages:

Power Commander V and Power Commander III USB : 8-10

Autotune Kits for the Power Commander V: 12

Power Commander O2 Optimizers and types: 29

POWER COMMANDER III USB ACCESSORIES

PART #	PRODUCT DESCRIPTION
COLOR LCD UNIT	
LCD-100	Color LCD Unit for use with the Power Commander III usb
MULTI-FUNCTION HUB	
HUB-001	CAN HUB,BARE KIT
HUB-002	CAN HUB,BARE KIT W/MAP SWITCH
HUB-003	CAN HUB,BARE KIT W/ ALL CABLES
QUICK SHIFTER SENSORS-SEE POWER COMMANDER APPLICATIONS	

Color LCD Unit: 14

Multi Function Hub for the Power Commander III USB: 10

Quick Shifter Sensors: 15



METRIC SPORTBIKE AND CRUISERS PRODUCT AND ACCESSORY APPLICATIONS

POWER COMMANDER MODELS

POWER COMMANDER V

The PCV uses RPM and throttle position inputs to base fuel adjustments on. In some cases additional inputs can be used such as cylinder head or water temperature as well as gear position or boost.

The PCV has 250 rpm resolution and 10 throttle position columns giving you up to 640 individual mapping points for fuel and an equal number for ignition timing (if ignition equipped). This is the kind of "point specific" adjustability that is necessary with today's bikes and the parts that are available for them.

BUILT IN IGNITION CONTROL

For select single and twin cylinder engines, fuel delivery and spark advance adjustments can now be made. Experience the best of both worlds! Now you can realize all the benefits of the Power Commander V and the Ignition Module 5 wrapped in a single enclosure.

POWER COMMANDER III USB

The Power Commander III USB is a fuel injection adjustment unit that plugs "inline" with the bike's stock ECU (electronic control unit). The PC uses original equipment style connectors, so no splicing or cutting of the harness is required.

FEATURES

- WORKS WITH ANY EXHAUST
- EASY INSTALLATION (NO CUTTING OR SPLICING)

- EXPANDABLE WITH:
 - IGNITION MODULE
 - COLOR LCD DISPLAY
- QUICK SHIFTER
- MULTI-FUNCTION HUB

POWER COMMANDER EX

CALIFORNIA ARB.EO NO.D-619

For Street Bike applications Dynojet offers the Power Commander EX. The PC EX offers virtually the same tuning functionality and installation ease as our "race only" Power Commander line, while at the same time complying with the California Air Resources Board regulations.

Map Compatibility - The PC EX is compatible with our patented Tuning Link Software. Custom maps can be developed in much the same way as the "race only" version. Maps made for the "race only" Power Commander models can be loaded into the PC EX and are automatically converted to the proper format.



Model	Year	PCIII USB	PCV	Price Class	PC EX	Price Class	Note	Ignition	Price Class	Shifter	Price Class	O2 Optimizer	Standard/Optional	O2 Type
APRILIA														
RXV/SXV 450	2006-2008	927-411		A										
RXV 450	2009		10-002	C										
SXV 450/550	2009		10-005	C										
RXV/SXV 550	2006-2008	929-411		A										
Pegaso	2005-2006	926-411		A										
RSV Mille	2000-2003	902-411		A	902-411EX	A								
RSV Mille SP	2000-2001	903-411		A	903-411EX	A								
RSV Mille	2004-2009		10-003	F			1							
												76125002	Std	3

PLEASE SEE PAGE 29 FOR NOTES AND PAGE 30 FOR OPTIONAL ACCESSORIES

Model	Year	PCIII USB	PCV	Price Class	PC EX	Price Class	Note	Ignition	Price Class	Shifter	Price Class	O2 Optimizer	Standard/Optional	O2 Type
APRILIA (CONTINUED)														
Falco	2001-2004	905-411		A	905-411EX									
RST 1000 Futura	2001-2004	906-411		A	906-411EX									
Tuono	2003-2005	907-411		A	907-411EX									
Tuono	2006-2009		10-004	F										
RSV4	2010-2011		10-001	Q										
BENELLI														
TNT 1130	2005-2007	726-411		A										
Tornado	2005-2006	728-411		A										
BMW														
G450X	2009-2011			12-005	C									
C600/ C650 GT	2013			12-017	C									
G650X	2009			12-006	C									
G650GS	2012			12-015	C									
F650 GS / Dakar / CS	2000-2004	913-611		G										
F650 GS	2008-2012		12-007	C										
F700 GS	2013		12-013	C										
F800 GS	2008-2013		12-008	C										
F800 ST	2007-2012		12-009	C										
S1000RR	2010-2012		12-012	C	12-012EX	C								
R1100 R/RT	1995-2001	916-611		G										
R1100S	1997-2004	920-611		G										
R1150 R/RT	2001-2005	918-611		G										
R1150 GS	1998-2003	919-611		G										
R1200 GS	2005-2007	936-411		A										
R1200 GS	2008-2009		12-001	C										
R1200 GS	2010-2012		12-014	C										
R1200 GS	2013		12-016	C										
R1200 R	2005-2008	944-411		A										
R1200 R / RT	2009-2012		12-002	C										
R1200 RT	2005-2008	948-411		A										
R1200 S	2008	950-411		A										
R1200 S (euro only)	2009		12-003	C										
K1200 S/R	2005-2008	937-411		A										
HP2	2009-2010		12-010	C										
HP2 Megamoto	2009		12-011	C										
K1200 RS / GT	2000-2004	914-611		G										
K1300 S/R	2009-2012		12-004	C										
BOMBARDIER														
CanAm Spyder	2009-2011		25-004	F										
CanAm Spyder RT/RTS	2010		25-006	P										
CanAm Spyder RT/RTS	2011-2012		25-010	G										
BUELL														
1125	2009		15-016	C										
DUCATI														
620 i.e.	2003-2006	719-411		A	719-411EX	A								
696	2009-2011		14-001	P										
748	97-2003	704-411		A	704-411EX	A								
749	2003-2006	715-411		A	714-411EX</td									



METRIC SPORTBIKE AND CRUISER APPLICATIONS

Model	Year	PCII USB	PCV	Price Class	PC EX	Price Class	Note	Ignition	Price Class	Shifter	Price Class	O2 Optimizer	Standard/Optional	O2 Type
HONDA (CONTINUED)														
CB 1300F (european only)	2003-2008	118-411		A							76423008	Std	1	
CB 1300F (european only)	2009-2013		16-038	C						4-114	76423008	Std		
VT1300 Models	2010-2013		16-014	C	16-014EX	C					76423008 (2)	Opt	1	
VT1300 Models FUEL & IGNITION	2010-2013		16-025	F			12							
VTX 1800 FUEL & IGNITION	2002-2008		16-035	F	16-035EX	C	6,12				76423005	Opt		
Husqvarna														
250 models	2008-2011		23-006	C							76423023	Std	1	
TC250	2012-2013		23-011	C										
310 models	2009-2012		23-001	C							76423023	Std	1	
Mikuni ECU models FUEL & IGNITION	2008-2012		23-009	F			12				76423023	Std	1	
450 models	2008-2010		23-003	C							76423023	Std	1	
510 models	2008-2010		23-004	C							76423023	Std	1	
610 models	2007-2010		23-002	C							76423023	Std	1	
630 Models	2011		23-008	C							76423023	Std	1	
Nuda 900	2012		23-010	C										
Hyosung														
GV650 / GT650	2009-2010		13-001	C									Std	
KAWASAKI														
EX250 (european only)	2008-2012		17-001	C						4-114	J	76423015	Std	1
EX250 (european only) FUEL & IGNITION	2008-2012		17-035	F			12					76423015	Std	1
KLX250S (european only)	2010		17-023	C								76423021	Std	1
EX300 (european only)	2013		17-046											
ZX-6 R	2003-2004	207-411		A	207-411EX	A		6-05	H	4-102	J			
ZX-6 R	2005-2006	218-411		A	218-411EX	A	7	6-01	H	4-102	J			
ZX-6 RR	2003	208-411		A	208-411EX	A		6-05	H	4-102	J			
ZX-6 RR	2004	213-411		A	213-411EX	A	7	6-05	H	4-102	J			
ZX-6 RR	2005-2006	219-411		A	219-411EX	A	7	6-01	H	4-102	J			
ZX-6 R	2007-2008		17-026	C	17-026EX	C	7			4-114	J			
ZX-6 R	2009-2012		17-003	C	17-003EX	C	7,9	6-73	O	4-114	J	76125020	Opt	3
ZX-6 R	2013		17-047	C	17-047EX	C		6-73	O	4-114	J			
EX650R / ER6n / Versys	2006-2011		17-008	C	17-008EX					4-116	M	76423007	Opt	1
EX650R / ER6n / Versys FUEL & IGNITION	2006-2011		17-030	F			12					76423007	Opt	1
EX650R / ER6n / Versys FUEL & IGNITION	2012-2013		17-042	F	17-042EX	C	12							
Z750	2004-2005	214-411		A	214-411EX	A		6-18	H	4-104	M			
Z750 S	2005-2006	221-411		A	221-411EX	A		6-34	H	4-102	J			
Z750 (Euro only)	2007-2012		17-016	F			1			4-114		76125022	Std	3
VN900	2006-2013		17-015	C			9					76125021	Opt	4
VN900 FUEL & IGNITION	2006-2013		17-032	F			9,12					76125021	Opt	4
Z1000	2003-2006	210-411		A	210-411EX	A		6-27	H	4-104	M			
Z1000	2007-2008	227-411		A	227-411EX	A	9	6-53	H					
Z1000 (Euro only)	2009		17-017	F			1	6-104	O			76125023	Std	3
Z1000 / Ninja 1000	2010-2013		17-021	C	17-021EX	C	9	6-104	O	4-114	J	76125023	Opt	3
KLV1000	2004-2005	217-411		A	217-411EX	A								
Versys 1000 (european only)	2012-2013		17-043	F			1					76125023	Std	
ZX-10R	2004-2005	212-411		A	212-411EX	A		6-21	H	4-102	J			
ZX-10R	2006-2007	222-411		A	222-411EX	A		6-41	H	4-102	J			
ZX-10R	2008-2010		17-004	C	17-004EX	C	9	6-75	O	4-114	J	76125019	Opt	4
ZX-10R	2011-2013		17-028	C	17-028EX	C	9	6-82	O	4-102	J	76125035	Opt	3
ZX-12R	2000-2001	204-411		A	204-411EX	A		6-11	H	4-102	J			
ZX-12R	2002-2003	206-411		A	206-411EX	A		6-11	H	4-102	J			
ZX-12R	2004-2005	216-411		A	216-411EX	A		6-22	H	4-102	J			
ZX-14R	2006-2011		17-012	C	17-012EX	C	9	6-76	O	4-116	M	76125017	Opt	3
ZX-14R	2012-2013		17-005	C	17-005EX	C		6-101	O			76125017	Opt	

PLEASE SEE PAGE 28 FOR NOTES AND PAGE 30 FOR OPTIONAL ACCESSORIES



Model	Year	PCIII USB	PCV	Price Class	PC EX	Price Class	Note	Ignition	Price Class	Shifter	Price Class	O2 Optimizer	Standard/O2 Type	O2 Type
KAWASAKI (CONTINUED)														
ZG1400 Concours	2008-2009		17-013	C	17-013EX	C	9	6-76	O					
ZG1400 Concours	2010-2013		17-022	C		A	9	6-76	O					
1500 Drifter	99-2005	201-411			A	201-411EX	A							
1500 Nomad	2000-2004	202-411			A	202-411EX	A							
1500 Vulcan Classic	2000-2008	203-411			A	203-411EX	A							
Mean Streak 1500	2002-2003	205-411			A	205-411EX	A							
Mean Streak 1600	2004-2008	215-411			A	215-411EX	A							
1600 Nomad	2005-2008	220-411			A	220-411EX	A							
1600 Classic	2003-2008	209-411			A	209-411EX	A							
Vulcan 1700 Models	2009-2013		17-006	C	17-006EX	C								
Vulcan 1700 Models FUEL & IGNITION	2009-2013		17-033	F			12							
Vulcan 2000	2004-2007	211-411			A	211-411EX	A	11	6-20	H				
Vulcan 2000	2008-2011		17-011	C				11			76423007	Opt	1	
Vulcan 2000 FUEL & IGNITION	2008-2011		17-034	F				11,12			76423007	Opt	1	
KTM														
200 Duke (european only)	2012		18-006	C										
690 SM/SMC	2009-2010		18-001	C							76423017	Std	1	
690 Duke	2008-2010		18-010	C							76423017	Std	1	
690R Enduro	2011-2012		18-011	C							76423017	Std	1	
Superduke	2006-2008	925-411		F							76423016(2)	Std	1	
Superduke FUEL & IGNITION	2009-2011		18-002	F			12				76423016(2)	Std	1	
Adventurer	2007-2008	928-411		F							76423016(2)	Std	1	
Adventurer FUEL & IGNITION	2009-2011		18-003	F			12				76423016(2)	Std	1	
990 SMR / SMT FUEL & IGNITION	2009-2011		18-005	F			12				76423016(2)	Std	1	
RC8 (09-10 RC8R) FUEL & IGNITION	2008-2010		18-004	F			12				76423016(2)	Std	1	
RC8	2011-2012		18-009	C			6-74	O			76423016(2)	Std	1	
MOTO GUZZI														
Breva 750	2004-2006	722-411		F			1							
V11 Sport	2000-2001	706-411		A										
California Special	2000-2001	707-411		A										
Jackal / Bassa / Stone	2000-2003	708-411		A										
Quota 1100 ES	2000-2001	709-411		A										
Centauro	1996-1998	718-411		A										
Norge	2009-2010		26-001	F			1							
Norge	2012		26-007	P			3							
Griso 1100 / Breva 1100	2006-2008		26-002	F			1							
Griso 1200	2009-2011		26-003	F			1							
V7	2010-2011		26-004	F			1							
V7	2012		26-008											
Stelvio	2009-2011		26-005	F			1							
Stelvio	2012		26-006	P			3							
MV AGUSTA														
F3	2012		24-007	Q			6-107	O						
F4	2002-2006	713-411		A	713-411EX	A								
Brutale	2004-2005	712-411		A	712-411EX	A								
F4 1000	2004-2005	725-411		A	725-411EX	A								
F4 1000	2006-2007	730-411		A	730-411EX	A								
Brutale 910	2006-2007	727-411		A	727-411EX	A								
Brutale 990	2010		24-004	F			1							
Brutale 1078	2009		24-002	F			1				76125024	Std	1	
Brutale 1090	2010-2012		24-005	F			1							
F4 1078RR	2009		24-003	F			1				76125024	Std	1	
F4 1000	2010-2011		24-006	Q			1							
MZ														
MZ 1000 S	2004-2005	721-411		A										
ROYAL ENFIELD														
EFI Models FUEL & IGNITION	2008-2013		27-001	F			12				76423033	Std		
SUZUKI														
TU250	2009-2012		20-011	F			1							
Burgman 400 / Skywave	2007-2008	345-411		A							76423009	Std	1	
GSXR 600	2001-2003	307-411		A	307-411EX	A	6-06	H	4-102	J				
GSXR 600	2004-2005	316-411		A	316-411EX	A	6-03	H	4-102	J				
GSXR 600	2006-2010		20-005	C	20-005EX	C	7	6-78	O	4-114	J	76423019	Std	1
GSXR 600	2011-2013		20-028	C			7	6-78	O	4-114	J	76423019	Std	1

PLEASE SEE PAGE 29 FOR NOTES AND PAGE 30 FOR OPTIONAL ACCESSORIES



METRIC SPORTBIKE AND CRUISER APPLICATIONS

Model	Year	PCIII USB	PCV	Price Class	PC EX	Price Class	Note	Ignition	Price Class	Shifter	Price Class	O2 Optimizer	Standard/O2	O2 Type
S														



METRIC SPORTBIKE AND CRUISER APPLICATIONS

Model	Year	PCII USB	PCV	Price Class	PC EX	Price Class	Note	Ignition	Price Class	Shifter	Price Class	O2 Optimizer	Standard/ Optional	O2 Type	
TRIUMPH (CONTINUED)															
Daytona 675	2006-2008	515-411		A	515-411EX	A						76423017	Std	1	
Daytona 675	2009-2012		21-002	C			6-97	O				76423017	Std	1	
Street Triple 675	2008	518-411		A								76423017	Std	1	
Street Triple 675	2009-2012		21-004	C			6-97	O				76423017	Std	1	
Bonneville	2008	519-411		A								76423017	Std	1	
Bonneville / T100 / Thruxton / Scrambler	2009-2010		21-005	C								76423017	Std	1	
Bonneville / T100 / Thruxton F/I	2012		21-012	F								76423017	Std	1	
Speedmaster	2008	520-411		A								76423017	Std	1	
Speedmaster / America	2009-2010		21-006	C								76423017	Std	1	
Speedmaster / America FUEL & IGNITION	2012		21-014	F								76423012	Std		
Tiger 800	2011-2012		21-010	C								76423017	Std	1	
Daytona 955i	97-2006	501-411		A	501-411EX	A	8								
Speed Triple	99-2004	502-411		A	502-411EX	A	8								
Speed Triple	2005-2006	513-411		A	513-411EX	A						76423016	Std	1	
Speed Triple	2007-2010		21-007	C								76423017	Std	1	
Speed Triple	2011-2012		21-011	C			6-90	O				76423017	Std	1	
Sprint ST	2005-2006	514-411		A	514-411EX	A						76423016	Std	1	
Tiger 1050	2007-2012		21-009	C								76423017	Std	1	
Sprint ST / GT	2009-2012		21-008	C								76423017	Std	1	
Explorer 1200	2012		21-013	C			6-106	O							
Trophy 1200	2013		21-015												
Thunderbird 1600	2010-2012		21-001	C								76423017(2)	Std	1	
Rocket 111	2004-2008	510-411		A	510-411EX	A						76423016	Std	1	
Rocket 111	2009-2012		21-003	C				6-103	O			76423016	Std	1	
YAMAHA															
YZF125R	2008-2011		22-019	C											
WR125X (european only)	2009-2010		22-034	C											
WR250X/R	2008-2013		22-016	C								O			
WR250X/R FUEL & IGNITION	2008-2013		22-043	F			12								
Majesty 400	2004-2008	402-411		A											
T Max 500 (european only)	2004-2007	404-411		A			6-59	H							
T Max 500	2008-2011		22-028	C								O			
T Max 500 FUEL & IGNITION	2008-2011		22-051	P			1,12								
T Max 500 FUEL & IGNITION	2012		22-055	P			1,12								
YZF 600 R6	2003	407-411		A	407-411EX	A						4-101	J		
YZF 600 R6	2004	413-411		A	413-411EX	A						4-101	J		
YZF 600 R6	2005	415-411		A	415-411EX	A						4-101	J		
YZF 600 R6S	2006-2008	415-411		A	415-411EX	A						4-101	J		
YZF 600 R6S	2009		22-001	C								4-113	J		
YZF 600 R6	2006-2007	418-411		A	418-411EX	A	7	6-37	H	4-101	J				
YZF 600 R6	2008-2009		22-005	C			1,7	6-83	O	4-113	J				
YZF 600 R6	2010-2013		22-031	C	22-031EX	C	1,7	6-83	O	4-113	J		Std	2	
FZ6 Fazer	2004-2009		22-014	C											
FZ6R	2009-2013		22-008	C	22-008EX	C						4-113	J		
XT660-R (european only)	2004-2008	412-411		A									76125028	Opt	3
XT660-R (european only)	2009-2010		22-020	F			1						76125028	Std	3
MT-03 (european only)	2006-2008	422-411		A									76125025	Opt	3

PLEASE SEE PAGE 29 FOR NOTES AND PAGE 30 FOR OPTIONAL ACCESSORIES

PLEASE SEE PAGE 29 FOR NOTES AND PAGE 30 FOR OPTIONAL ACCESSORIES

PLEASE SEE PAGE 29 FOR NOTES AND PAGE 30 FOR OPTIONAL ACCESSORIES

APPLICATION NOTES

- 1 - Includes single channel O2 Optimizer

2 - Optional Oxygen Sensor Controller Available - part #76125002 ECU must be set to Race Mode if not using the O2 Controller

3 - Includes dual channel O2 Optimizer

4 - Optional Oxygen Sensor Eliminator required for California and some Overseas Models -
* = 2 Eliminators Required - part #76423005

5 - Optional Oxygen Sensor Eliminator required for some Overseas Models
* = 2 Eliminators Required - part #76423008

6 - Optional Oxygen Sensor Eliminator required for California "C" Models, 2 Eliminators Required for California "Retro" Models - part #76423005

7 - Requires additional Dynojet hardware for quickshifter to function - call Dynojet

8 - Optional Oxygen Sensor eliminator available for European models - part #76423006

9 - European models require O2 optimizer for closed loop control

10 - Includes Wideband O2 sensor

11 - Optional Oxygen eliminator available for California and European models - part #76423007

12 - Includes Ignition adjustment

POWER COMMANDER O2 OPTIMIZERS

To get the optimal performance out of a bike that comes standard with an O2 sensor, it may require using one of Venojet's O2 Optimizers. Some RACE Power Commanders come standard with the necessary O2 Optimizer. On other models the O2 Optimizer is optional.



TYPE 1

Simple plug that eliminates the stock O₂ sensor.



TYPE 2

Enhanced module that eliminates
the stock O₂ sensor.



TYPE 3

Single channel module that plugs in-line of the stock O₂ sensor and wiring harness.



TYPE

Dual channel module that plugs in-line of the stock O2 sensors and wiring harness.

SPORTBIKE / METRIC POWER COMMANDER ACCESSORIES

POWER COMMANDER V ACCESSORIES

PRODUCT DESCRIPTION	PART #
IGNITION MODULE - See Power Commander Application list	
O2 OPTIMIZERS - See Power Commander Application list	
METRIC AUTOTUNE KITS	
Autotune Kit single sensor	AT-200
Autotune Kit dual sensor	AT-300
COLOR LCD UNIT	
Color LCD Unit for use with PCV	LCD-200
QUICK SHIFTER SENSORS - See Power Commander Application list	
PRESSURE SENSOR-PULL TYPE	4-101
PRESSURE SENSOR-PUSH TYPE	4-102
LINEAR SENSOR-PULL TYPE	4-103
LINEAR SENSOR-PUSH TYPE	4-104

Additional information on the Power Commander and available accessories please see the following pages:

Power Commander V and Power Commander III USB : 8-10

Autotune Kits for the Power Commander V: 12

Power Commander O2 Optimizers and types: 29

Color LCD Unit: 14

POWER COMMANDER V ACCESSORIES- SFM AND OEM APPLICATIONS

Model	Year	SFM	QEM
BMW			
S1000R	10-13	SFM-8	
HONDA			
CBR600RR	03-13	SFM-1	OEM-10
CBR1000RR	04-13	SFM-1	OEM-10
KAWASAKI			
ZX6R	07-12	SFM-2	OEM-11
ZX10R	08-10	SFM-6	OEM-16
ZX10R	11-13	SFM-9	OEM-17

Model	Year	SFM	QEM
SUZUKI			
GSXR600	06-13	SFM-3	OEM-12
GSXR750	06-13	SFM-3	OEM-12
GSXR1000	05-06	SFM-10	
GSXR1000	07-13	SFM-4	OEM-13
Hayabusa	08-13	SFM-4	OEM-14
B-King	08-13	SFM-4	OEM-14

Model	Year	SFM	QEM
YAMAHA			
R6	08-13	SFM-5	OEM-15
R1	09-13	SFM-5	OEM-15



Stock Servo Motor

OPTIONAL METRIC PRODUCTS

DYNOJET EXHAUST SERVO REMOVAL MODULE (ESRM)

When adding a full exhaust system to late model Yamaha motorcycles, you no longer need the heavy, bulky, exhaust servo motor and cable assembly.

The problem is if you just unplug the servo motor from the bike, it triggers the FI light on the dashboard. This is not only annoying, but it keeps you from knowing if there is another "real" problem with the bikes' systems.

By installing the small, lightweight, ESRM-1, you will keep the FI light from coming on and it will also turn it off if you have already removed the servo and triggered the light. Additionally, you will decrease weight and increase space on the bike for the installation of other equipment.

ESRM-1 Fits the following Yamaha models:

- YZFR1 2002-2003
- YZFR6 2006-2012
- FZ1 2006-2011
- WR250X 2008-2011
- VMAX 2009-2012

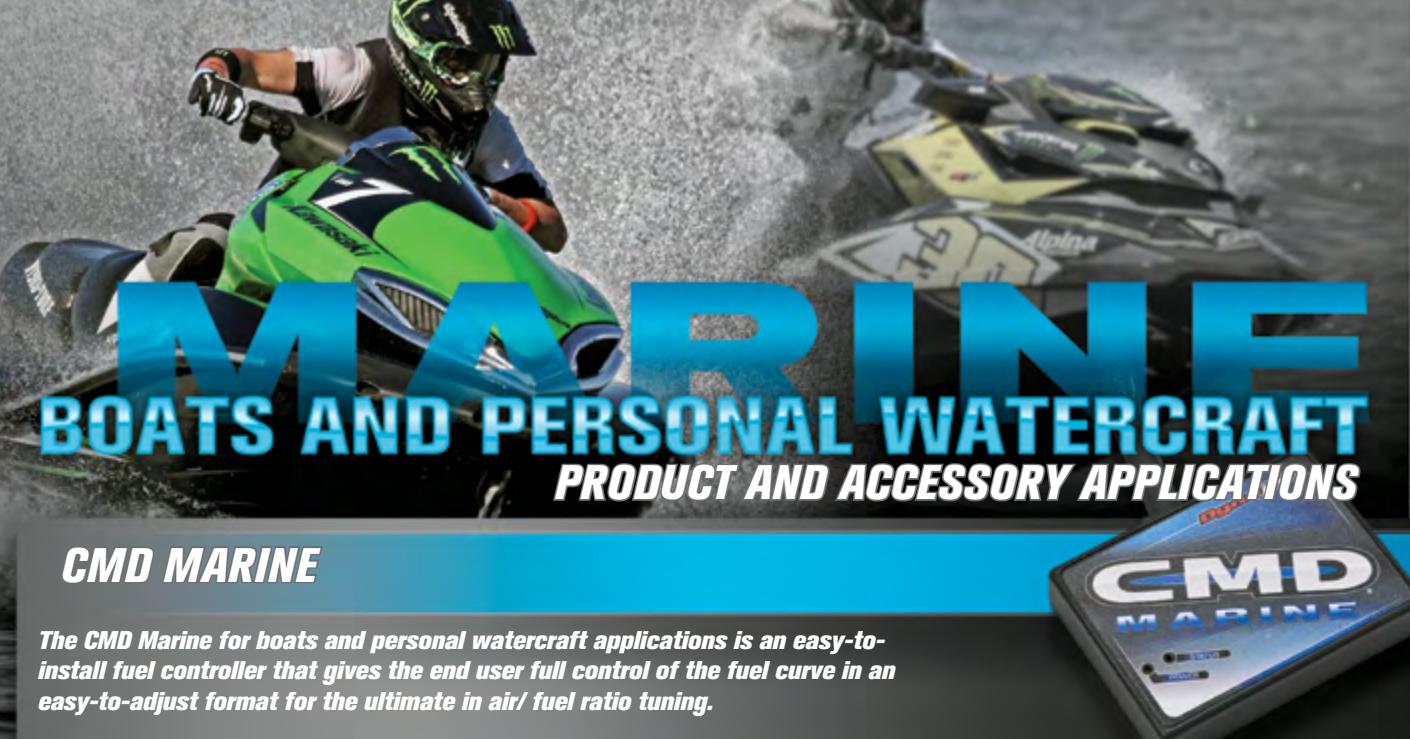
IGNITION RETARD CONTROLLER (USA MODELS ONLY)

This product eliminates the stock ignition retard at 100% throttle.

FITS TWO HONDA MODELS:

- IRC-1 2008-2013 CBR1000RR
- IRC-2 2009-2013 CBR600RR

NOTE: USA Models Only!



MARINE BOATS AND PERSONAL WATERCRAFT PRODUCT AND ACCESSORY APPLICATIONS

CMD MARINE

The CMD Marine for boats and personal watercraft applications is an easy-to-install fuel controller that gives the end user full control of the fuel curve in an easy-to-adjust format for the ultimate in air/fuel ratio tuning.

FEATURES

- SMALL FOOTPRINT FOR EASY MOUNTING (FOR V-8 APPLICATIONS, 2 MODULES AT 5/8" X 3-3/8" X 2-5/16")
- USB POWERED FROM COMPUTER (CAN BE PROGRAMMED OFF-VEHICLE)
- 2 POSITION MAP SWITCHING FUNCTION BUILT IN (MAP SWITCH NOT INCLUDED)
- INDIVIDUAL CONTROL PER ENGINE BANK (LEFT AND RIGHT)
- UNIT HAS A -100%/+250% FUEL CHANGE RANGE

- HIGH RESOLUTION MAP SENSOR BASED FUEL TABLE FOR PRECISE FUEL CHANGES
- AUTOMATIC MAP RETRIEVAL UPON CONNECTION
- ONBOARD NOTES STORAGE FOR MAP DESCRIPTIONS
- QUICK CONNECT CAN ACCESSORY COMMUNICATION PORTS FOR LCD AND AUTOTUNE ACCESSORIES

CMD MARINE APPLICATIONS

Part No.	Year	Model	Price Code	Ignition Module
CMD MARINE				
CMDM-5010		Mercury Marine 496 Mag / 496 HO	Q	
CMDM-5011		Mercury Marine - All spread port BB w/EV1 Injectors & distributor ignition	Q	
CMDM-5012		Mercury Small Block engines with EV6 inj connector	Q	
CMDM-5013		Mercury Marine - All spread port BB w/EV1 Injectors & distributorless ignition	Q	
CMDM-5014		Mercury marine engines with top mount Whipple SC kit, 8 EV1 injectors	Q	
CMDM-5110		Indmar 8.1L	Q	
CMD MARINE FOR PERSONAL WATERCRAFT				
CMDM-6110		Kawasaki Ultra 300 watercraft	P	6-102
CMDM-6111		Kawasaki Ultra 250/260 watercraft	P	6-102
CMDM-6210	2003-2010	Sea Doo 4-Tec Supercharged 1503cc watercraft w/Siemens ECU (cable throttle)	P	
CMDM-6212	2011-2012	09-12 Sea Doo 4-Tec Supercharged 1503cc watercraft w/Bosch ECU (DBW)	P	
CMDM-6310		Yamaha 1812cc SHO/HO watercraft	P	



CMD MARINE ACCESSORIES

PRODUCT DESCRIPTION	PART #
IGNITION MODULE	
Kawasaki 250/260/300	6-102
CMD MARINE AUTOTUNE KITS	
Autotune Kit single sensor	AT-200
Autotune Kit dual sensor	AT-300
COLOR LCD UNIT	
Color LCD Unit for use with CMD Marine	LCD-200
ACCESSORY CABLES	
36" CAN to CAN Cable	76950117
18" CAN to CAN Cable	76950143
6" CAN to CAN Cable	76950145
6' Can Extension Cable	76950285





OFF-ROAD ATV & OFF-ROAD PRODUCT AND ACCESSORY APPLICATIONS

POWER COMMANDER MODELS

POWER COMMANDER V

The PCV uses RPM and throttle position inputs to base fuel adjustments on. In some cases additional inputs can be used such as cylinder head or water temperature as well as gear position or boost.

The PCV has 250 rpm resolution and 10 throttle position columns giving you up to 640 individual mapping points for fuel and an equal number for ignition timing (if ignition equipped). This is the kind of "point specific" adjustability that is necessary with today's bikes and the parts that are available for them.



POWER COMMANDER V ADVANCED FEATURE MODELS:

BUILT IN IGNITION CONTROL

For select single and twin cylinder engines, fuel delivery and spark advance adjustments can now be made. Experience the best of both worlds! Now you can realize all the benefits of the Power Commander V and the Ignition Module 5 wrapped in a single enclosure.

PCV-PTI (P = pressure T = temperature I = Input)

Designed specifically for forced induction applications, the Power Commander V PTi expands on the full functionality of the new Fuel and Ignition PCV units with built in pressure(booster) and temperature control.

This new unit, PCV-PTi, comes with a Bosch 3 bar MAP/ Temp sensor as part of the PCV harness for expanded capabilities built into the Control Center Software.



POWER COMMANDER III USB

The Power Commander III USB is a fuel injection adjustment unit that plugs "inline" with the bike's stock ECU (electronic control unit). The PC uses original equipment style connectors, so no splicing or cutting of the harness is required.



FEATURES

- WORKS WITH ANY EXHAUST
- EASY INSTALLATION (NO CUTTING OR SPLICING)
- UP TO - 100% / + 100% FUEL ADJUSTABILITY OVER STOCK
- EXPANDABLE WITH:
 - IGNITION MODULE
 - COLOR LCD DISPLAY
- QUICK SHIFTER
- MULTI-FUNCTION HUB

Model	Year	PCIII USB	PCV	Module Type	Price Class	Note	Ignition	Price Class	Shifter	Price Class
ARCTIC CAT										
450H1	2010		11-008		C					
550H1	2009-2011		11-005		C					
Prowler	2008	623-411			A					
700 EFI Quad	2006-2007	616-411			A					
700 H1	2008	630-411			A					
700 H1	2009-2010		11-006		C					
Thundercat 1000 / XT	2008-2013		11-002		C					
Thundercat 1000 / XT	2008-2013		11-011	FUEL & IGNITION	F	12				
Prowler 1000	2008-2013		11-001		C					
Wildcat 1000	2008-2013		11-010		C					
BOMBARDIER										
Outlander 400	2009-2012		25-005		C					
DS450	2008-2012		25-001		C					
Outlander 500	2007-2011		25-012		C					
Outlander 650	2006-2011		25-013		C					
Outlander 800	2006-2008	615-411			A					
Outlander 800/1000	2012		25-009		C					
Renegade 800	2007-2011		25-003		C					
Renegade 500/800/1000	2012		25-014		C					
Commander 800	2011-2012		25-007	FUEL & IGNITION	F	12				
Commander 800	2011-2012		25-007-PTI	FUEL & IGNITION & BOOST	P	12				
CanAm Spyder	2009-2011		25-004		F	1				
CanAm Spyder RT/RTS	2010		25-006		P	3				
CanAm Spyder RT/RTS	2011-2012		25-010		G	3,12				
Commander 1000	2011-2012		25-008	FUEL & IGNITION	F	12				
Commander 1000	2011-2012		25-008-PTI	FUEL & IGNITION & BOOST	P	12				
Maverick	2013		25-016							
HONDA										
CRF250R	2010-2012		16-015		C			4-122		
CRF250R	2010-2012		16-026	FUEL & IGNITION	F	12				
Rancher	2007-2008	128-411			A					
Rancher 420	2009-2013		16-018		C					
CRF450	2009-2012		16-003		C					
CRF450	2010-2012		16-027	FUEL & IGNITION	F	12				
CRF450	2013		16-037	FUEL & IGNITION	F	12				
Foreman	2012-2013		16-028	FUEL & IGNITION	C					
Rincon	2006-2013		16-019		C					
Big Red	2009-2013		16-033	FUEL & IGNITION	F	12				
TRX700XX	2008-2009		16-004		C					
HUSQVARNA										
449 Models	2011-2013		23-005	FUEL & IGNITION	F	12				
511 models	2011-2013		23-007	FUEL & IGNITION	F	12				
JOHN DEERE										
825i	2012		28-001		C					
KAWASAKI										
KX250F	2011		17-025		C					
KX250F	2012		17-029		C					
KX250F	2013		17-045		C					
KFX450	2008-2013		17-014		C					
KFX450	2008-2013		17-036	FUEL & IGNITION	F	12				
KX450F	2009		17-002		C					
KX450F	2010-2011		17-020		C					
KX450F	2012-2013		17-038		C					
Brute Force 750	2008-2011		17-019		C					

ATV/OFF-ROAD APPLICATIONS

Model	Year	PCIII USB	PCV	Module Type	Price Class	Note	Ignition	Price Class	Shifter	Price Class
KAWASAKI (CONTINUED)										
Brute Force 750	2008-2011		17-031	FUEL & IGNITION	F	12				
Brute Force 750	2012		17-039	FUEL & IGNITION	F	12				
Teryx	2009-2013		17-018	FUEL & IGNITION	C					
Teryx	2009-2013		17-037	FUEL & IGNITION	F	12				
Teryx 4	2012-2013		17-044	FUEL & IGNITION	F	13				
KTM										
250 SXF / XCF	2011		18-007		C					
350 SXF / XCF	2010-2011		18-008		C					
450 / 500 XCW	2012		18-012		C					
450 SXF	2013		18-013		C					
POLARIS										
Sportsman 550	2009-2012		19-016	FUEL & IGNITION	F	12				
RZR 570	2012		19-015	FUEL & IGNITION	F	12				
700 Twin EFI	2004	910-411			A					
700 Twin EFI	2005-2008	911-411			A					
Ranger XP	2006-2008	924-411			A					
Ranger RZR / S	2008-2010		19-003		C		O			
Ranger RZR / S	2008-2010		19-013	FUEL & IGNITION	F	12				
Ranger RZR / S	2008-2010		19-013PTI	FUEL & IGNITION & BOOST	P	12				
Ranger RZR / S / 4	2011-2012		19-011	FUEL & IGNITION	F	12				
Ranger RZR / S / 4	2011-2012		19-011PTI	FUEL & IGNITION & BOOST	P	12				
Sportsman 800	2005-2010		19-008		C					
Sportsman 850	2009-2011		19-005		C					
Sportsman 850	2009-2011		19-014	FUEL & IGNITION	F	12				
Sportsman 850	2012		19-018	FUEL & IGNITION	F	12				
Scrambler 850	2013		19-019							
Ranger XP900	2013		19-020							
RZR XP900	2011		19-012	FUEL & IGNITION	F	12				
RZR XP900	2011		19-012-PTI	FUEL & IGNITION & BOOST	P	12				
RZR XP900	2012-2013		19-017	FUEL & IGNITION	F	12				
RZR XP900	2012-2013		19-017-PTI	FUEL & IGNITION & BOOST	P	12				
SUZUKI										
RMZ250	2010-2012		20-020		C					
RMZ250	2013		20-033		C					
LTZ400	2009-2012		20-002		C					
LTR450	2006-2007	329-411			A					
LTR450	2008	346-411			A					
LTR450	2009-2010		20-019		C					
RMZ450	2008	341-411			A					
RMZ450	2009-2012		20-001		C					
RMX450Z	2010		20-022		C					
KingQuad 400	2011-2013		20-026		C					
KingQuad 450	2007-2008	335-411			A					
KingQuad 500	2011-2013		20-027		C					
KingQuad 700 EFI	2005-2007	321-411			A					
KingQuad 750	2008	347-411			A					
KingQuad 750	2010-2013		20-031		C					
YAMAHA										
YFZ450 R / X	2009-2013		22-007		C					
YFZ450 R / X	2009-2013		22-044	FUEL & IGNITION	F	12				
YZ450F	2010-2013		22-032		C					
YZ450F	2010-2013		22-045	FUEL & IGNITION	F	12				
WR450F	2012-2013		22-053		C					
Grizzly 550	2009-2013		22-033		C					
Raptor	2006-2013		22-002		C		4-116	M		
Raptor	2006-2013		22-046		F	12				
Raptor	2006-2013		22-046-PTI	FUEL & IGNITION & BOOST	P	12				
Grizzly 700	2007-2013		22-027		C					
Rhino 700	2008	434-411			A		6-61	H		
Rhino 700	2009-2013		22-004		C					
Rhino 700	2008-2013		22-047	FUEL & IGNITION	F	12				

TOLL FREE 1-800-992-4993

ATV/OFF-ROAD POWER COMMANDER ACCESSORIES

POWER COMMANDER V ACCESSORIES

PRODUCT DESCRIPTION	PART #
IGNITION MODULE - See Power Commander Application list	
O2 OPTIMIZERS - See Power Commander Application list	
METRIC AUTOTUNE KITS	
Autotune Kit single sensor	AT-200
Autotune Kit dual sensor	AT-300
COLOR LCD UNIT	
Color LCD Unit for use with PCV	LCD-200
QUICK SHIFTER SENSORS - See Power Commander Application list	
PRESSURE SENSOR-PULL TYPE	4-101
PRESSURE SENSOR-PUSH TYPE	4-102
LINEAR SENSOR-PULL TYPE	4-103
LINEAR SENSOR-PUSH TYPE	4-104

Additional information on the Power Commander and available accessories please see the following pages:

Power Commander V and Power Commander III USB : 8-9
 Autotune Kits for the Power Commander V: 12
 Power Commander O2 Optimizers and types: 10
 Color LCD Unit: 14
 Multi Function Hub for the Power Commander III USB: 15
 Quick Shifter Sensors: 17

POWER COMMANDER III USB ACCESSORIES

PRODUCT DESCRIPTION	PART #
IGNITION MODULE - See Power Commander Application list	
MULTI-FUNCTION HUB KITS	
Hub Only (no harnesses included, must add from list below as needed)	HUB-001
Hub with Map Switch & Handle Bar Bracket	HUB-002
Hub with Map Switch/Bracket and Gear Position, Relay and Boost Harnesses (no connector)	HUB-003
MULTI-FUNCTION HUB HARNESSES	
See page 15 for available harnesses	
COLOR LCD UNIT KITS	
Color LCD Unit for use with PCIII USB	LCD-100
QUICK SHIFTER SENSORS - See Power Commander Application list	
PRESSURE SENSOR-PULL TYPE	4-101
PRESSURE SENSOR-PUSH TYPE	4-102
LINEAR SENSOR-PULL TYPE	4-103
LINEAR SENSOR-PUSH TYPE	4-104
PCUSB, H/BAR BUTTON SWITCH	4-105



ADDITIONAL ATV/OFF-ROAD ACCESSORIES

OFF-ROAD QUICK SHIFTER- STAND ALONE UNIT

This unit allows any single cylinder vehicle to have quick shifter functionality without the need for a Power Commander. It comes with "coil cap" style connector (Denso) for easy installation on most late model applications. For applications that do not have this style of coil, the connector can be removed and the unit hard wired in.

PRODUCT DESCRIPTION	PART #
IGNITION QUICK SHIFTERS	
Off-Road Quick Shifter Kit (includes Sensor and Control Box)	4-119
Off-Road Linear Sensor (Push Type)	4-121
Optional Quickset Adjuster	61100014





SNOWMOBILE EFI SNOWMOBILE

PRODUCT AND ACCESSORY APPLICATIONS

POWER COMMANDER MODELS

POWER COMMANDER V

The PCV uses RPM and throttle position inputs to base fuel adjustments on. In some cases additional inputs can be used such as cylinder head or water temperature as well as gear position or boost.

The PCV has 250 rpm resolution and 10 throttle position columns giving you up to 640 individual mapping points for fuel and an equal number for ignition timing (if ignition equipped). This is the kind of "point specific" adjustability that is necessary with today's bikes and the parts that are available for them.

POWER COMMANDER V ADVANCED FEATURE MODELS:

BUILT IN IGNITION CONTROL

For select single and twin cylinder engines, fuel delivery and spark advance adjustments can now be made. Experience the best of both worlds. Now you can realize all the benefits of the Power Commander V and the Ignition Module 5 wrapped in a single enclosure.

Model	Year	PC3 usb	PCV	CMD	Type	Price Class	Ignition	Price Class
ARCTIC CAT								
500 / 600 EFI (excludes Pantera)	2003-2011		11-007		Fuel Only	C		
500 / 600 EFI (excludes Pantera)	2003-2011		11-007-PTI		Fuel with Dual TMAP	R		
700 EFI	2003-2006		11-007		Fuel Only	C		
700 EFI	2003-2006		11-007-PTI		Fuel with Dual TMAP	R		
M/X/F8 / M/X/F1000	2007-2008	617-411			Fuel Only	A		
M/X/F8 / M/X/F1000	2009-2011		11-004		Fuel Only	C		
M/X/F8 / M/X/F1000	2009-2011		11-004-PTI		Fuel with Dual TMAP	R		
M/X/F800 snomobile	2012-2013		11-004		Fuel Only	C		
M/X/F800 snomobile	2012-2013		11-004-PTI		Fuel with Dual TMAP	R		
M/X/F800 snomobile	2007-2013		11-013		Fuel with Ignition	P		
Z1 snowmobile	2009-2011		11-003		Fuel Only	C		
Z1 snowmobile	2009-2011		CMD-1910		Fuel and Boost Control	P		
1100 Turbo	2012-2013		11-009		Fuel Only	C	6-91	O
1100 Turbo	2012-2013		CMD-1911		Fuel and Boost Control	P		
TZ1 Turbo LXR	2012-2013		11-009		Fuel Only	C	6-91	O
BOMBARDIER								
Ski Doo Ace 600	2011-2012		25-011		Fuel Only	C		
Ski Doo Skandic Tundra LT	2007-2008	619-411			Fuel Only	A		
Ski Doo 800 E-TEC	2009-2013		25-015		Fuel Only	R		
Ski Doo 4-tec 1200	2009-2010		25-002		Fuel Only	C		
Ski Doo 4-tec 1200	2009-2010		25-002-PTI		Fuel with TMAP	P		
POLARIS								
Snowmobile clean fire injection models	2007-2008	943-411			Fuel Only	A		
Snowmobile CF1 2 models	2011-2013		19-004		Fuel Only	C		
Snowmobile CF1 2 models	2011-2013		19-004-PTI		Fuel with Dual TMAP	R		
Snowmobile CF1 4 models	2007-2012		19-007		Fuel Only	C		
Snowmobile CF1 4 models	2007-2012		19-007-PTI		Fuel with Dual TMAP	R		



PCV-PTI / DUAL PTI

Designed specifically for forced induction applications, the Power Commander V PTi expands on the full functionality of the new Fuel and Ignition PCV units with built in pressure(boost) and temperature control.

This new unit, PCV-PTi, comes with a Bosch 3 bar MAP/ Temp sensor as part of the PCV harness for expanded capabilities built into the Control Center Software.

PCV-PTI-SI

For super/turbocharged Polaris CF12 models that use supplemental fuel injectors. We offer this with EV1 and EV6 style connectors depending on the extra injector included in your kit.



Model	Year	PC3 usb	PCV	CMD	Type	Price Class	Ignition	Price Class
YAMAHA								
Phazer / Venture Lite	2007	427-411			Fuel Only	A	6-48	H
Phazer / Venture Lite	2008	436-411			Fuel Only	A		
Phazer / Venture Lite	2007-2013		22-026		Fuel Only	C		
Phazer / Venture Lite	2007-2013		22-052		Fuel with Ignition	F		
Phazer / Venture Lite	2007-2013		22-052-PTI		Fuel with Ignition and TMAP	P		
Nytro	2008		428-411		Fuel Only	A	6-55	H
Nytro	2008-2013		22-025		Fuel Only	C	6-110	O
Nytro	2008-2013		22-025-PTI		Fuel with TMAP	P	6-110	O
Vector / Venture GT	2010-2013		22-039		Fuel Only	C	6-110	
Vector / Venture GT	2010-2013		22-039-PTI		Fuel with TMAP	P	6-110	
Apex	2006-2008	423-411			Fuel Only	A	6-46	H
Apex	2006-2010		22-024		Fuel Only	C	6-111	O
Apex	2006-2010		22-024-PTI		Fuel with TMAP	P	6-111	O
Apex	2011-2013		22-038		Fuel Only	C	6-111	O
Apex	2011-2013		22-038-PTI		Fuel with TMAP	P	6-111	O
Attak	2006-2007	423-411			Fuel Only	A	6-46	H
Attak	2006-2007		22-024		Fuel Only	C	6-111	O
Attak	2006-2007		22-024-PTI		Fuel with TMAP	P	6-111	O

NEW POWER COMMANDER V MODELS

PCV-CDI,

Fuel and ignition control for Arctic Cat M8 in a single box! Add / subtract fuel AND timing!!

PCV E-TEC,

The worlds first piggyback fuel controller for BRP's 800cc models that use direct injection technology (E-TEC).



POWER COMMANDER III USB

The Power Commander III USB is a fuel injection adjustment unit that plugs "inline" with the bike's stock ECU (electronic control unit). The PC uses original equipment style connectors, so no splicing or cutting of the harness is required.

POWER COMMANDER MODELS AND ACCESSORIES

POWER COMMANDER V ACCESSORIES

PRODUCT DESCRIPTION	PART #
IGNITION MODULE - See Power Commander Application list	
AUTOTUNE KITS	
Autotune Kit single sensor	AT-200
Autotune Kit dual sensor	AT-300
COLOR LCD UNIT	
Color LCD Unit for use with PCV	LCD-200

Additional information on the Power Commander and available accessories please see the following pages:

Power Commander V and Power Commander III USB : 8-9
Color LCD Unit: 14
Multi Function Hub for the Power Commander V: 12
Autotune Kits for the Power Commander III USB: 15

POWER COMMANDER III USB ACCESSORIES

PRODUCT DESCRIPTION	PART #
IGNITION MODULE - See Power Commander Application list	
MULTI-FUNCTION HUB KITS	
Hub Only (no harnesses included, must add from list below as needed)	HUB-001
Hub with Map Switch & Handle Bar Bracket	HUB-002
Hub with Map Switch/Bracket and Gear Position, Relay and Boost Harnesses (no connector)	HUB-003
MULTI-FUNCTION HUB HARNESSES	
COLOR LCD UNIT KITS	
Color LCD Unit for use with PCIII USB	LCD-100

OPTIONAL SNOWMOBILE PRODUCTS AND ACCESSORIES

COMBUSTION MANAGEMENT DEVICE (CMD)

The CMD plugs directly into your OEM wire harness and intercepts signals between various sensors and the ECU. In most cases, MAP (Manifold Pressure), TP (Throttle Position), Crank, Cam, and each fuel injector are captured and processed by the CMD to enhance each combustion event. Not only can you remap your injector pulse-width +/- 100% based on the various sensor inputs (with direct injector control), but you can also clamp (limit the output to the ECU) and remap (skew the output for larger sensors) the sensor output to suit your needs.

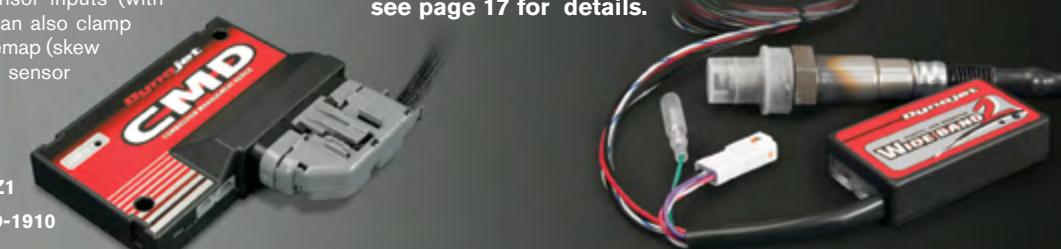
AVAILABLE FOR :

2012-2013 Arctic Cat 1100
2009-2011 Arctic Cat Z1
TURBO
Part # CMD-1910
Part # CMD-1911

WIDE BAND 2

Dynojets Wide Band 2 is the second generation of Dynojet's popular Wideband Air/Fuel Ratio Monitor kit with digital technology, quickest response in the industry, all with a lower price and a more compact package.

Multiple kits and gauge combination kits are available see page 17 for details.



MOTORCYCLE MOTRCYCLE JET KITS

CC	YEAR	MODEL	STAGE	PART #	CODE	CC	YEAR	MODEL	STAGE	PART #	CODE	CC	YEAR	MODEL	STAGE	PART #	CODE						
BIMOTA																							
91	YB10		1	6101	C	450	05-12	CRF450X	1	1172	A	600	88-97	ZX600R NINJA	1	2129	C						
93-95	SB6		2	6203	C	500	83-85	VT500FC	1	1114	B	600	88-97	ZX600R NINJA	3	2329	C						
93-95	DB2		2	6202	J	883	89-03	XLB83 RACE ONLY (ACCEL PUMP DIS- ABLE)	7	8703	F	600	90-93	ZX600R NINJA H. ALT	1	2129HA	C						
BMW																							
650	93-97	F650	2	9201	J	1200	98-03	XL1200 SPORT	1	8103	F	600	84	VF500 INTERCEPTOR	1	1109	C						
BUELL																							
500	00-09	BLAST	1	8111	F	1450	99	TWIN CAM 88	1	8120	F	600	87-89	CBR600	1,2	1122	C						
1200	97-98	M2	1	8107	F	1450	00-06	TWIN CAM 88	1	8121	F	600	90	CBR600F	1,2	1135	C						
HARLEY-DAVIDSON® THUNDER SLIDE																							
1340	90-00	EVO 1340	1	8108	G	600	91-94	CBR600F2	1	1140	C	600	91-94	CBR600F2	7	1740	C						
1200	98	S1 WHITE LIGHTNING	1	8110	F	1340	90-00	EVO 1340	7	8708	H	600	91-94	CBR600F2 CALIF	1	1140CA	C						
1200	95-96	S2	1	8104	F	1200	89-03	XL1200 (NOT SPORT)	1	8109	G	600	91-94	CBR600F2 H. ALT	1	1140HA	C						
1200	97	S3,S3T	1	8106	F	1200	98-03	XL1200 SPORT	1	8112	G	600	95-96	CBR600F3	1	1157	C						
1200	98	S3,S3T	1	8110	F	1200	04-06	XL1200 C.R	1	8136	G	600	95-98	CBR600F3 CALIF	1	1157CA	C						
BUELL THUNDER SLIDE																							
1200	97-98	M2	1	8122	G	1450	99	TWIN CAM 88	1	8130	G	600	97-98	CBR600F3	1	1189	C						
1200	97-98	M2	7	8722	H	1450	00-06	TWIN CAM 88	1	8131	G	600	99-00	CBR600F4	1	1196	C						
HARLEY-DAVIDSON® THUNDER SLIDE																							
1450	00-06	TWIN CAM 88	7	8731	H	600	94-98	VT600 VLX SHADOW	1	1145	B	600	99-00	CBR600F4	1	1196CA	C						
1200	96-98	S1	1	8114	G	1340	ALL	EVO 1340 WITH 44MM KEIHIN CARB	7	8732	H	600	99-07	VT600 VLX SHADOW	1	1197	A						
1200	98	S1 WHITE LIGHTNING	1	8116	G	1450	ALL	TWIN CAM 88 WITH 44MM KEIHIN CARB	7	8733	H	600	83-87	XL600	2	1330	A						
HONDA																							
230	06-13	CRF230F DIRT ONLY	1	1176	A	600	04 & 06	CB600F (599)	1	1199	C	600	98-90	VF700,750 MAGNA	1	1199	C						
230	08-09	CRF230L	1	1177	A	650	92-13	XR650L	1	1148	A	650	00-07	XR650R	2	1149	A						
230	09	CRF230M	1	1169	A	650	81-82	CB650 C,STD	1,3	1131	C	650	83-85	CB650 SC NIGHTHAWK	1	1106	C						
250	91-99	XR250L	1	1143	A	650	88-92	NT650 HAWK	1,2	1137	B	250	88-90	VTR250	1,2	1132	B						
750	92-98	750SS	2	7203	J	250	04	CRF250R	1	1113	A	650	88-92	NT650 HAWK	7	1737	B						
750	97-01	M750 MONSTER	1	7105	J	250	05	CRF250R	1	1123	A	700	84-86	CB700 SC NIGHTHAWK	1,2	1107	C						
750	97-01	M750 MONSTER	2	7205	J	250	06	CRF250R	1	1147	A	700/750	83-85	VF700,750 INTERCEPTOR	1	1108	C						
900	94-97	M900 MONSTER	1	7106	J	250	07	CRF250R	1	1130	A	700/750	82-86	VF700,750 MAGNA	1	1119	C						
900	94-97	M900 MONSTER	2	7206	J	250	05-06	CRF250X	1	1171	A	700/750	82-85	VF700,750 SABRE	1	1112	C						
900	98-99	M900 MONSTER	1	7109	J	250	07-12	CRF250X	1	1150	A	700/750	83-85	VT700,750 SHADOW	1	1101	B						
900	91-98	900SS,SP,FE	1	7101	J	250	08-09	CRF250R	1	1173	A	700/750	86-87	VFR700,750 F	1	1124	C						
900	91-98	900SS,SP,FE	2	7201	J	400	89-90	CB-1	1	1128	C	700/750	86-87	VFR700,750 F	2	1224	C						
900	93-94	900 SUPERLIGHT	1	7102	J	450	02	CRF450R	1	1102	A	750	94-03	VF750 C MAGNA	1	1167	C						
DUCATI																							
600	01	M600 MONSTER	1	7104	J	450	03	CRF450R	1	1103	A	750	90-93	VFR750 H. ALT	1	1139HA	C						
600	01	M600 MONSTER	2	7204	J	450	09-95	CRF450R	1	1162	A	750	94-97	VFR750	1	1159	C						
750	92-98	750SS	1	7103	J	450	08	CRF450R	1	1174	A	750	98-03	VT750 ACE	1	1183	B						
HARLEY-DAVIDSON®																							
883/1200	88-89	XL883,1200 NON ACCEL PUMP	1	8101	F	883/1200	89-95	XL883,1200	1	8102	F	450	07	CRF450R	1	8102	F						
1340	89-95	EVO 1340	1	8102	F	450	08	CRF450R	1	1174	A	* = RUN WITH AIRBOX LID OFF AND USE AFTERMARKET FILTER BRACKET DJD001 \$32.00, (DEALER \$24.00)											

CC	YEAR	MODEL	STAGE
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CC	YEAR	MODEL	STAGE	PART #	CODE
SUZUKI (CONTINUED)					
550	82	GS550 KATANA	3	3314	C
550	83-86	GS550ES DUAL CARB	1	3108	C
550	83-86	GS550ES DUAL CARB	3	3308	C
600	95-99	GSF600 BANDIT	1	3120	C
600	00-03	GSF600 BANDIT	1	3190	C
600	88-89	GSX600 KATANA	1	3121	C
600	88-89	GSX600 KATANA	3	3321	C
600	90-97	GSX600 KATANA	1,3	3131	C
600	98-06	GSX600 KATANA	1	3159	C
600	92-93	GSXR600 W	1	3140	C
600	97	GSXR600	1	3155	C
600	97	GSXR600 CALIF	1	3155CA	C
600	98	GSXR600	1	3160	C
600	98	GSXR600 CALIF	1	3160CA	C
600	99-00	GSXR600	1	3163	C
600	99-00	GSXR600 CALIF	1	3163CA	C
600	94-96	RF600 R	1	3146	C
650	90-95	DR650S	1,2	3138	A
650	96-13	DR650S	2	3138	A
650	81-82	GS650	3	3310	C
650	99-02	SV650	1	3171	B
650	00-13	LS650 SAVAGE / S40	1	3107	A
700	80-85	GS700 ALL MODELS	1,3	3125	C
750	80-85	GS750 ALL MODELS	1	3102	C
750	80-85	GS750 ALL MODELS	3	3315	C
750	89-97	GSX750 KATANA	1,3	3130	C
750	98-06	GSX750 KATANA	1	3158	C
750	86	GSXR750	1,3	3118	C
750	87	GSXR750	1,3	3116	C
750	88-89	GSXR750	1,3	3122	C
750	90-92	GSXR750	1,3	3135	E
750	90-92	GSXR750 CALIF	1,3	3122	C
750	90-92	GSXR750 H. ALT	1	3135HA	C
750	93-95	GSXR750W	1	3139	E
750	93-95	GSXR750W CALIF	1	3139CA	E
750	93-95	GSXR750W H. ALT	1	3139HA	E
750	96-97	GSXR750	1	3149	C
750	96-97	GSXR750 CALIF	1	3149CA	C
750	96-97	GSXR750 H. ALT	1	3149HA	C
800	92-98	VS800 INTRUDER / S50	1	3147	B
800	92-09	VS800 INTRUDER / S50 H. ALT	1	3147HA	B
800	01-04	800 INTRUDER VOLUSIA	1	3195	A
800	90-93	VX800	1	3147	B
800	97-04	VZ800 MARAUDER	1	3143	B
800	97-04	VZ800 MARAUDER	2	3243	B
850	80-83	GS850 8 VALVE	3	3306	C
900	94-97	RF900R	1	3152	C
1000	78-79	GS1000	3	3304	C
1000/1100	80-82	GS1000,1100	1,3	3103	C
1100/1150	80-86	GS1100,1150 16 VALVE	1,3	3133	C
1100	91-93	GSX1100G	1	3142	E
1100	88-93	GSX1100 KATANA	1	3123	C
1100	88-93	GSX1100 KATANA	3	3323	C
1100	86-88	GSXR1100	1	3123	C
1100	86-88	GSXR1100	3	3323	C
1100	89-92	GSXR1100	1,3	3136	E
1100	93-94	GSXR1100W	1	3145	E
1100	93-94	GSXR1100W CALIF	1	3145CA	E
1100	93-94	GSXR1100W H. ALT	1	3145HA	E
1100	95-98	GSXR1100W	1	3144	E
1100	95-98	GSXR1100W CALIF	1	3144CA	E
1200	97-00	GSF1200 BANDIT	1,3	3154	C
1200	01-05	GSF1200 BANDIT	1	3151	C
1200	01-05	GSF1200 BANDIT	3	3351	C



CC	YEAR	MODEL	STAGE	PART #	CODE
SUZUKI (CONTINUED)					
1400	87-08	VS1400 INTRUDER / S83	1	3126	B
1400	87-08	VS1400 INTRUDER / S83	1	3126HA	B
1500	98-04	VL1500 INTRUDER	1	3161	B
TRIUMPH					
750	92-97	750 TRIDENT	1	5104	C
800	01-06	BONNEVILLE	1	5117	B
800	03-04	T100	1	5117	B
800	02-06	AMERICA	1	5120	B
800	03-04	SPEED MASTER	1	5120	B
900	07-08	BONNEVILLE	1	5121	B
900	05-08	T100, TRUXTON	1	5121	B
900	06-08	SCRAMBLER	1	5121	B
900	05-08	SPEED MASTER	1	5122	B
900	07-08	AMERICA	1	5122	B
900	96-97	900 ADVENTURER	1	5108	C
900	94-96	900 DAYTONA	1	5102	K
900	94-96	900 SPEED TRIPLE	1	5102	K
900	96-97	900 SPRINT	1	5102	K
900	94-97	900 SUPER III	1	5102	K
900	95-97	900 THUNDERBIRD	1	5108	C
900	94-97	900 TIGER	1	5103	C
900	91-97	900 TRIDENT	1	5102	K
900	95-97	900 TROPHY	1	5102	K
1200	93-97	1200 DAYTONA	1	5101	E
1200	96-97	1200 TROPHY	1	5107	E
YAMAHA					
50	87-92	YSR50	2	4223	M
250	08-09	XT250	1	4155	A
250	01-04	YZ250F	1	4104	A
250	05	YZ250F	1	4121	A
250	06	YZ250F	1	4119	A
250	07	YZ250F	1	4120	A
250	08-09	YZ250F	1	4132	A
250	10-11	YZ250F	1	4157	A
1300	96-01	XV1300 ROYAL STAR	1	4148	C
250	12-13	YZ250F	1	4158	A
250	01-04	WR250F	1	4112	A
250	05-13	WR250F	2	4125	A
350	84-85	RZ350	3	4304	A
400	88-90	FZR400	1	4126	C
400	88-90	FZR400	3	4126	C
426	00-02	YZ426F	1	4190	A
450	03-04	YZ450F	1	4117	A
450	05	YZ450F	1	4130	A
450	06	YZ450F	1	4144	A
450	07	YZ450F	1	4136	A
450	08-09	YZ450F	1	4154	A
450	03-04	WR450F	1	4118	A
450	05-11	WR450F	2	4150	A
535	93-00	XV535 VIRAGO	1	4131	B
550	81-82	XJ550	3	4106	C
550	81-82	XJ550	3	4106	C
600	84-86	FJ,XJ600	1,3	4107	C
600	86-88	FZ600	1,3	4115	C
600	89-00	FZR600	1,3	4129	C
600	89-00	FZR600	7	4729	C
600	89-00	FZR600	1	4129HA	C
600	ALL	SRX600	2,3	4318	A
600	92-98	SECA II	1,3	4138	C
600	86-90	YX600 RADIAN	1,3	4111	C
600	94-96	YZF600R	1	4142	C
600	94-96	YZF600R H. ALT	1	4142HA	C
600	97-07	YZF600R	1	4145	C
600	97-03	YZF600R RACE ONLY	7	4745	C
600	99-00	YZF600 R6	1	4161	

CC	Year	Model	Stage	Part #	Code	CC	Year	Model	Stage	Part #	Code	CC	Year	Model	Stage	Part #	Code
KAWASAKI (CONTINUED)																	
360	02-13	KVF360 Prairie	1	Q211	L	325	00-02	325 Magnum	1	Q511	L	250	05	YZ250F	1	4121	A
400	93-99	KLF400 Bayou	1	Q206	L	330	03-09	330 Trail Boss	1	Q516	L	250	06	YZ250F	1	4119	A
400	97-98	KVF400 Prairie	1	Q207	L	330	09-02	330 Trail Blazer	1	Q527	L	250	07	YZ250F	1	4120	A
400	99-02	KVF400 Prairie	1	Q209	L	330	10-13	330 Trail Boss	1	Q534	L	250	08-09	YZ250F	1	4132	A
400	03-04	KFX400	1,2	Q213	L	330	10-13	330 Trail Blazer	1	Q535	L	250	10-11	YZ250F	1	4157	A
400	05-06	KFX400	1,2	Q218	L	330	03-06	330 Magnum	1	Q517	L	250	12-13	YZ250F	1	4158	A
450	06	KX450F	1	2106	A	335	00-01	335 Sportsman	1	Q507	L	250	01-04	WR250F	1	4112	A
450	07-08	KX450F	1	2114	A	400	01-05	400 Sportsman	1	Q514	L	250	05-13	WR250F	2	4125	A
450	08-09	KLX450R	1	2116	A	400	08-12	400 Sportsman H.O.	1	Q529	L	250	08-12	XT250	1	4155	A
600	84-86	KLR600	3	2323	A	400	10-11	400 Ranger	1	Q532	L	300	12-13	300 Grizzly	1	Q437	L
650	02	Prairie 650	1	Q210	B	425	99-02	425 Xpedition	1	Q508	L	350	94-95	YFM350 FW Wolverine	1	Q402	L
650	03	Prairie 650	1	Q215	B	450	06-07	450 Sportsman	1	Q524	L	350	96-05	YFM350 FW Wolverine	1	Q403	L
650	05-13	KVF650 Brute Force	1	Q219	B	450	08-10	450 Outlaw MXR	1,2	Q530	L	350	06-09	350 Wolverine	1	Q429	L
650	06-13	KVF650I Brute Force	1	Q220	B	500	98	500 Sportsman	1	Q503	L	350	87-97	YFM350 FW Big Bear	1	Q404	L
650	87-07	KLR650	1,2	2144	A	500	99-00	500 Sportsman	1	Q505	L	350	99	YFM350 FW Big Bear	1	Q411	L
650	08-13	KLR650	1,2	2120	A	500	01-06	500 Sportsman H.O.	1	Q513	L	350	93-04	YFM350 Warrior	1,2	Q406	L
650	93-97	KLX650	2	2264	A	500	08-13	500 Sportsman H.O.	1	Q531	L	350	87-06	YZF350 Banshee	2	Q400	B
650	93-97	KLX650R	2	2250	A	500	98-09	500 Scrambler H.O.	1	Q504	L	350	87-06	YZF350 Banshee	3	4320	B
700	04-06	Prairie 700	1	Q216	B	500	10-12	500 Scrambler H.O.	1	Q533	L	350	04-06	350 Bruin Auto 2X4 & 4x4	1	Q422	L
700	03-09	KFX700 V Force	1	Q214	B	500	99-02	500 Magnum	1	Q506	L	350	04-13	350 Raptor	1,2	Q423	L
700	03-09	KFX700 V Force	7	QR214	B	500	03-07	500 Predator	1,3	Q518	L	350	07-11	350 Grizzly Auto 2X4 & 4x4	1	Q430	L
750	05-07	KVF750 Brute Force	1	Q217	B	500	06-07	500 Outlaw	1,2,3	Q523	L	350	07-13	350 Grizzly IRS Auto	1	Q431	L
750	08	Teryx 750 4X4 LE	1	Q221	B	525	07-11	525 Outlaw IRS & S	1,2	Q525	L	400	93-98	YFM400 FW Kodiak	1	Q405	L
KTM																	
250	02-03	250 MXC & EXC	1	9010	A	700	02-06	700 Twin Sportsman	1	Q515	L	700	02-06	700 Twin Sportsman	1	Q515	L
SUZUKI																	
160	91-01	LT160	2	Q301	L	160	01-07	DRZ160	1,2	Q314	L	400	07-08	400 Grizzly Auto	1	Q433	L
250	03-10	LT-Z250	1,2	Q314	L	250	88-99	Quadracer 250 LT & LT-F	1,2	Q303	L	426	00-02	YZ246F	1	4190	A
250	00-02	Quadracer 250 LT & LT-F	1	Q308	L	250	02-13	Ozark 250	2	Q313	L	450	06-10	450 Wolverine 4X4	1	Q426	L
250	01-07	DRZ250	2	3115	A	250	90-95	DR250S	1,2	3101	A	450	03-06	YFM450 Kodiak Auto 4X4	1	Q420	L
250	04	RMZ250	1	3105	A	250	05-06	RMZ250	1	3104	A	450	07-13	450 Grizzly Auto	1	Q434	L
250	07	RMZ250	1	3117	A	250	08-09	RMZ250	1	3124	A	450	04-05	YZ450F	1,2	Q421	L
250	09	KingQuad 300 LT-F	1,2	Q304	L	300	88-99	KingQuad 300 LT-F	1,2	Q307	L	450	06-09	YXR450 Rhino	1	Q436	L
250	10	KingQuad 300 LT-F	1	Q307	L	300	00-02	KingQuad 300 LT-F	1	Q307	L	450	03-04	YZ450F	1	4117	A
250	11	KingQuad 300 LT-F	1	Q307	L	300	88-99	KingQuad 300 LT-F	1,2	Q304	L	450	05	YZ450F	1	4130	A
250	12	KingQuad 300 LT-F	1	Q307	L	350	90-99	DR350S	1,2	3137	A	450	06	YZ450F	1	4144	A
250	13	DR350S	1,2	3137	A	400	02-07	Eiger 400 2x4 & 4x4 Auto	1	Q309	L	450	07	YZ450F	1	4136	A
250	14	Eiger 400 2x4 & 4x4 Auto	1	Q309	L	400	02-07	Eiger 400 2x4 & 4x4	1	Q310	L	450	08-09	YXR450 Rhino	1	4154	A
250	15	YXR450 Rhino	1	4154	A	400	03-07	DRZ400S	1	3109	A	450	03-04	WR450F	1	4118	A
250	16	DRZ400S	1,2	3111	A	400	05-13	DRZ400SM	1,2	3111	A	450	05-11	WR450F	2	4150	A
250	17	DRZ400SM	1,2	3111	A	400	00-07	DRZ400E DIRT ONLY	2	3111	A	600	98-01	YFM600 Grizzly	1	Q407	L
250	18	DRZ400E DIRT ONLY	1,2	3111	A	400	03-07	DRZ400E DIRT ONLY CALIF	1,2	3111CA	A	660	02-08	YFM600 Grizzly	1	Q415	L
250	19	YFM600 Grizzly	1	Q415	L	400	05-08	QuadSport LT-Z400	1,2	3112	A	660	04-07	YXR660 Rhino	1	Q425	L
250	20	YXR660 Rhino	1	Q425	L	400	00-13	DRZ400S	1	3109	A	660	01-05	YFM660 Raptor	2	Q414	B
250	21	YFM660 Raptor	7	QR414	B	400	01-05	YFM660 Raptor	7	QR414	B	660	01-05	YFM660 Raptor	7	QR414	B
POLARIS																	
200	06-07	200 Sawtooth	1	Q520	L	200	88-06	YSF200 Blaster	1,2								

METRIC SPORTBIKE AND CRUISERS HARLEY-DAVIDSON ATV-OFF ROAD WATERCRAFT SNOWMOBILES SCOOTERS



JOSH HAYES 2010 - 2011 - 2012 AMA SUPERBIKE CHAMPION - TEAM MONSTER ENERGY - GRAVES - YAMAHA

Dynojet

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