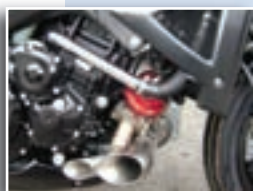
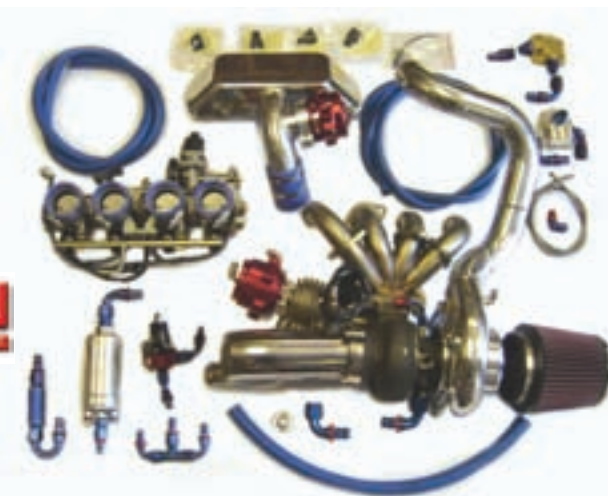




TURBO

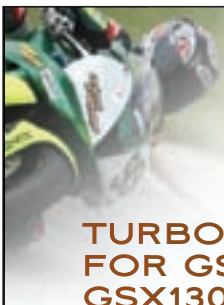
TURBO SYSTEMS: STREET BIKE TO RACE BIKE

Be it a daily-driven street bike or +600hp race bike for today's advanced motorcycles, there's no better way to achieve big horsepower. These kits offer great drivability and reliability for today's modern motorcycles with fuel injection and advanced engine management systems. Orient Express is proud to bring you turbo kits from the best in the business. We offer a great inventory of kits, advice, and, most importantly, support. There are as many goals in fitting a turbo as there are options. We suggest a thorough discussion of all variables to best fit your needs. Please contact our sales staff for assistance.





TURBO



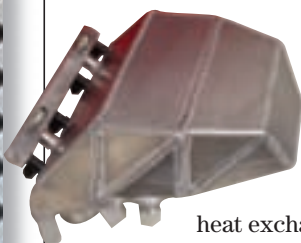
TURBO HEADERS FOR GSXR1000, GSX1300R, ZX14

Constructed of T-304 stainless steel, mandrel-bent tubing and heavy duty laser-cut flanges; each set is additionally ported for maximum performance. Tested and dynoed to ensure the fitment and performance are of the highest standards.



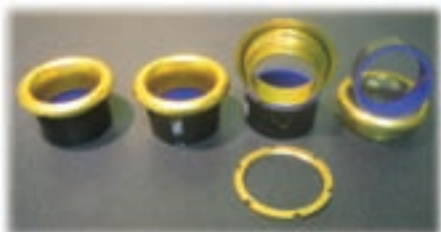
POLISHED ALUMINUM INTAKE PLENUMS

Lightweight and durable—pressure tested for upwards of 40 lbs. of boost. Optional stage 3 secondary injector plenums for additional fueling requirements.



INTERNAL WATER/AIR INTERCOOLER

Airbox with liquid to air intercooler allows for decreased intake temperatures by as much as 200°. An external heat exchanger as well as all necessary line fittings and required circulation pump are included.



ZX14 TURBO VELOCITY STACKS

Billet aluminum stacks with o-ring sealed flanges ensure no airbox leakage—tested up to 40 lbs. of boost. Supplied with silicone hose and clamps.



BIGCC RACING GSX1300R RACE PLENUM

The ultimate in quality CNC-machining. Designed for high flow characteristics and high boost levels, the BigCC hybrid plenum has been tested to over 600hp, 40psi.



GARRETT GT2860 DUAL BEARING TURBO

Offers great performance for up to 1400cc street applications in the 250–350hp range.



GT2871R **Garrett** DUAL BEARING TURBO

Offers the ideal street turbo with quick spool-up but still capable of up to 450bhp. Often used for stage 2 applications.



THE GT35R RACE DUAL BEARING TURBO

The ultimate turbocharger for Pro Street applications. These can be efficiently used in the 300 thru 600hp range.



GT40R DUAL BEARING TURBO

When 600hp just doesn't do it! These dual ball bearing turbos have been successfully used on GSX1300R's!



GSX1300R THROTTLE BODY CLAMP AND SECONDARY INJECTOR HOUSING

Billet aluminum, set ring groove clamp secures the throttle bodies to the cylinder head. Also available with secondary fuel injector boss and fuel rail for aftermarket injectors.



ZX14 SECONDARY INJECTOR ASSEMBLY

Billet aluminum o-ring sealed to airbox. Supplied with injectors and fuel fittings.





TIAL's line up of high performance, race proven wastegates. Trusted by the biggest names in the racing industry. With so much depending on the performance of the valve, it's no mystery team Tial is the leader in boost control. Available in blue, red, black or silver. We also stock appropriate flanges and v-band clamps.

MVS 38MM ULTRA

Compact design fits in very tight spaces—the unit stands only 3.7" tall, more compact than any other external wastegate on the market today.

TIAL 38MM DUAL PORT WASTEGATE

Offers the ideal solution for cost effective boost control with its dual port design and quality finish.

TIAL 44MM WASTEGATE

Offers a compact hi-flow design for turbocharged engine applications. Designed to perform on +500hp engines.

TIAL 46MM RACE WASTEGATE

The ultimate in turbocharger control from Tial Sport.

TIAL 50MM BLOWOFF VALVE

Tial blowoff valve offers the ultimate performance for turbocharged engines. Billet aluminum body in a choice of red, blue, black, silver. Sold with adapter flange.

GOLAN FUEL FILTER

Most compact efficient filter on the market. Washable filter element catches particles as small as 10 microns with no pressure drop. Filter area is 6.5 sq. inches due to patented design.

FMU RISING RATE REGULATOR

Designed specifically to add fuel to EFI engines modified with turbos/superchargers using manifold pressure to drive up fuel pressure.



BOSCH FUEL PUMPS

BOSCH STAGE 1 KIT PUMP—for applications up to 400hp, inline installation.

BOSCH STAGE 3 PUMP—Good for up to 600hp, Inline installation, provides 300lph of flow and operate at 72.5psi.



FUEL LAB REGULATOR

Standard and mini sizes available.

These regulators accept port style and non-port style union fittings without interference. Supporting carbureted applications as low as 1psi and fuel injected applications up to 125psi. Red, blue, black.



HIGH VOLUME FUEL RAILS

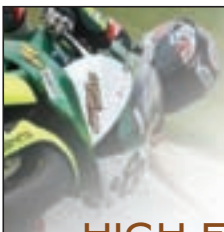
Available for single or dual injector GSXR1000 and GSX1300R stock or aftermarket injectors. Flow up to 600hp of fuel.



TURBO

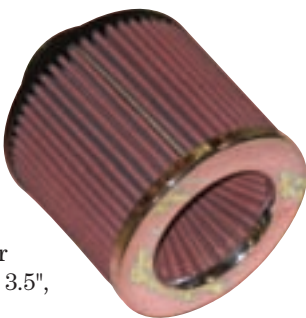


TURBO



HIGH FLOW TURBO AIRFILTER

High-flow cotton element air filter for turbocharged engines works with 3", 3.5", and 4" flanges.



AQUAMIST 1S WATER INJECTION SYSTEM



Best used with high boost applications. Fine water spray cools your inlet charge allowing more boost.

FITTINGS

Orient Express stocks a large selection of bypass and block off fittings. Used in turbo and race applications for oil cooler removal or oil feed upgrades.



BIGCC RACING MECHANICAL TURBO OIL RETURN PUMP

Drives directly from the crankshaft with a twin gear pump and a -8 male inlet. Available for GSX1300R and ZX14



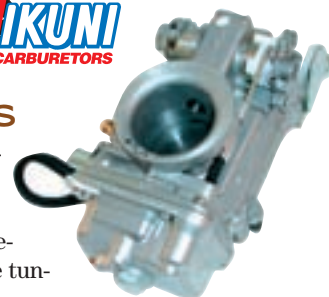
SILICONE MANIFOLD HOSE SETS

Proven to withstand high temperatures and boost while remaining lightweight and flexible. Sizes available: (ID) 2", 2.125", 2.25", 2.5", and 3". Includes clamps.



MIKUNI HSR CARBS

HSR42 or HSR45 carburetors for draw-through turbos for clean crisp throttle response and no hassle tuning. Includes rejetted carburetor and rubber intake manifold adapter.



BOOST AND FUEL PRESSURE GAUGES

Mechanical glycerin-filled boost gauge reads 0-30 lbs., Fuel pressure 0-100psi. 2 1/2" face, flange mount. Shown mounted in Tiger Racing Gauge Panel (not included).



MINI ELECTRIC OIL PUMP

Oil scavenge pumps have become a necessary part of our turbo systems. When a turbo can't be located higher than the oil level in the engine, the oil simply can't flow back to the engine fast enough to evacuate the oil from the turbo. Fits easily inline with your drain hose, and can be discreetly mounted where it's out of sight.



RCC INLINE ELECTRIC WATERPUMPS

This pump flows five gallons per minute and draws less than 1 amp of current. Available with male -10 compression or 1" barbed fitting.





NLR AMS1000 BOOST CONTROLLER

This unit will out perform ANY controller on the market! Flexibility, accuracy, and precise control. Fast 50-Mhz processor with enhanced timer sub-system. 128 x 64 LCD display. Intuitive and user-friendly user interface. Compact billet aluminum enclosure. FLASH technology for future software upgrades. Supports 30psi, 60psi, and 100psi map sensors. Launch boost control programmable to range of sensor. Scramble input, increase boost with the press of a button. Integrated data logger with graph view. Dimensions: 4.350" x 2.85" x 1"; weight = 12 oz. Multiple operating modes: time-based, shift-based, 1 to 6 stages fully programmable. GPS (Gear Position Sensor), Programmable ramp rate for each stage, 0-100psi per second. Ability to ramp boost level back down. Dual channel for live boost monitoring or data logging. Includes AMS-1000 control unit, 60psi sensor with lead, harness, and control solenoids.

EXILE MSBC-1

Electronically controls the wastegate, in an economical easy to use package. Allows repeatable controlled boost profiles with many features.

- Six stage programmable boost control
- 18 different ramp settings
- 0-80 PSI target boost range in 1 PSI increments.
- Launch stage for drag racing
- Shift input for automatic stage selection for drag race applications.
- 4 built in timers for timed boost control.
- Front panel stage selection and programming.
- Read out of actual boost during boost control.

XFC PIGGYBACK CONTROLLER



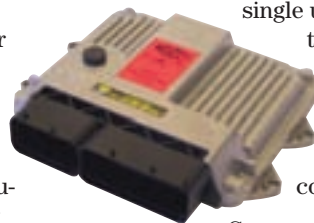
This fuel controller supplies precise control over extra fuel injectors as well as additional fuel pumps for forced air applications. Windows based software is easy to navigate and robust in design.



MARELLI SRA EDL8



SRA-E is a dedicated Engine Control Unit which includes data logger and boost control. A single unit can drive up to eight injectors and six ignition coils. SRA-E can also drive logic command coils (SW option).

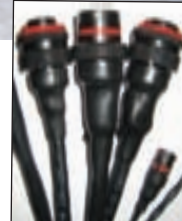


Communication from the PC-based configuration tool and to other units (such as dashboard and logger) is by the 2 CAN lines and an asynchronous serial line. Utilizes a high performance RISC microcontroller and an FPGA for diagnostic purposes. SRA-E provides analogue inputs for single-ended, differential, temperature, and knock-sensor as well as an interface for a switching lambda sensor. The unit also provides an H-Bridge output stage for use with suitable "Drive by Wire" actuators. Six configurable speed sensor inputs (inductive or Hall) provide full flexibility of configuration for engine angle detection as well as other frequency inputs such as wheel or shaft speed.



SRA MILSPEC HARNESS

Available for GSXR1000, GSX1300R, and ZX14. These offer true plug and play.



MAP, O₂, PRESSURE TRANSDUCER SENSORS



We stock a full line of replacement sensors: 50psi, 75psi, 100psi, 150psi, 200psi, 250psi in both gauge and absolute.



INJECTORS

Specially selected and tested for optimal performance in high boost turbo applications. Available in a variety of fits for standard throttle body/fuel rails or after-market fuel rails.



TURBO

