

DATE September 29, 1983

IT490K

ADDITIONAL PERFORMANCE MODIFICATIONS

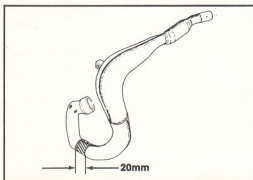
The following information is an extension of Wrench Report No. 39, IT490K Performance Modifications. This information is intended for expert level riders or those riders desiring even greater performance from their machines. Be aware that some of these modifications may affect the warranty; read the Owner's Warranty Guide for details.

STANDARD EXHAUST PIPE MODIFICATION

Shorten the standard head pipe approximately 20mm for better midrange and top-end horsepower. With the pipe still in place on the motorcycle, cut away a 20mm section with a hacksaw or other tool, then tack weld the pipe back together. Remove the pipe from the motorcycle and complete the welding job with a TIG welder.

WARNING:

Remove the fuel tank and the carburetor before welding. Welding can produce sparks that could cause a fire. Use a TIG welder when performing this modification; do not use an arc or gas welder. A TIG welder is the least hazardous welder for this application.

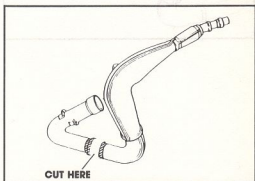


ALTERNATE EXHAUST PIPE MODIFICATIONS FOR CROSS-COUNTRY RIDING

Install a YZ490K exhaust pipe (23X-14610-00-00) to permit higher revving without greatly decreasing bottom-end power. One minor modification will be necessary for this exhaust unit to fit properly on the IT490K. Cut the pipe in two at the weld as shown in the illustration, then bolt up both sections of the pipe to the motorcycle as you would normally. Now bend the larger section of pipe until it fits properly on the motorcycle and tack weld it to the smaller section of pipe. Remove the pipe from the motorcycle and complete the welding job using a TIG welder.

WARNING:

Remove the fuel tank and carburetor before welding. Welding can produce sparks that could cause a fire. Use a TIG welder when performing this modification; do not use an arc or gas welder. A TIG welder is the least hazardous welder for this application.

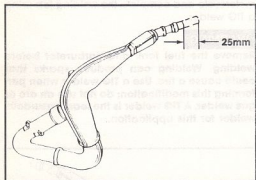


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OFFICE COPY	GEN MGR	SALES	PARTS	BINDER	PAGE 1 OF 2

SILENCER

Install an Answer Products silencer-spark arrester when performing any of the above modifications. Although installing this product is not imperative, its use will improve overall performance. If the YZ490K exhaust pipe is installed, 25mm of additional pipe must be welded to the pipe's end so that the silencer fits snugly and exhaust fume leakage is prevented. See the illustration below for details.

NOTE: Be aware that this silencer may not pass some noise level tests. Also, use of this silencer-spark arrester has not affected carburetion on test machines; standard carburetor settings work well.



SUSPENSION

In addition to using the optional heavy fork springs recommended in Wrench Report No. 39, expert and heavier riders can install an optional heavy monoshock spring (rate 4.25 kg/mm; part number 23X-22212-10-26). This will better balance the suspension.

REEDS

Install Boyesen reeds in the cylinder to increase bottom-end and midrange performance. Be aware, however, that these reeds have a much shorter life than stock steel reeds.

