

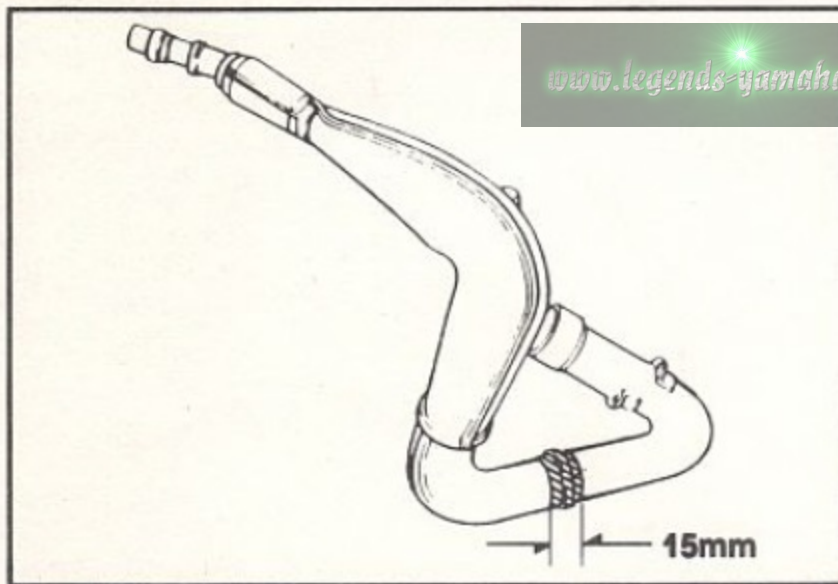
DATE March 28, 1983

IT175J, K PERFORMANCE MODIFICATIONS

The optional modifications described here can be done to improve the performance of the IT175J and the IT175K. Bear in mind that some of these modifications will affect the warranty; read the Owner's Warranty Guide for details.

EXHAUST PIPE

Shorten the head pipe approximately 15mm. Cut out the material at the joint as shown in the illustration; take care to make the cuts parallel to one another. This modification will permit higher revving without appreciably decreasing bottom end power.



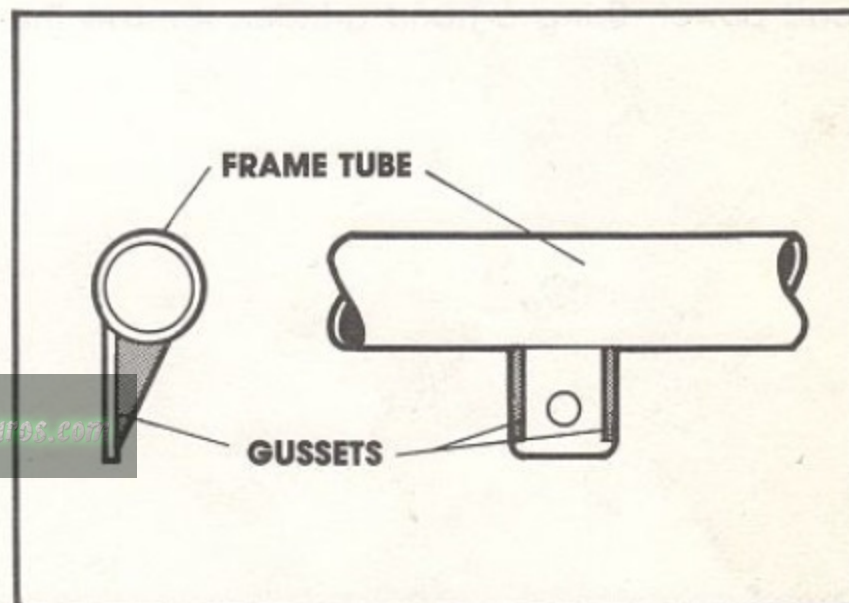
To align all items properly, tack weld the head pipe while it is in place on the motorcycle, remove the entire exhaust system, and complete the welding on a bench.

WARNING:

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

PIPE MOUNT

The rear exhaust-pipe mount could break off the frame under some extreme conditions. Weld gussets where shown in the illustration to reinforce the mount and prevent this from occurring.



CARBURETION

Install a 320 main jet (137-14143-64-00), and set the jet needle clip to the fifth (top) clip position. A 310 main jet and fourth clip position are the standard specifications. These recommendations are starting points; changes may be required to suit local conditions and individual riding skills.

REAR SUSPENSION

Install spring 4V5-22212-00-00; set the spring length to 315 ~ 325mm. This spring provides smoother spring action throughout the entire stroke of the shock. It is suitable for riders weighing up to 175 lbs.

SERVICE COPY	SER MGR	MECH	MECH	MECH	BINDER
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AIR BOX

Remove the air box cover when riding in dry or no-mud conditions. This gives the engine a bit more air. Be sure to replace the cover when running in muddy conditions.

FRONT FORKS

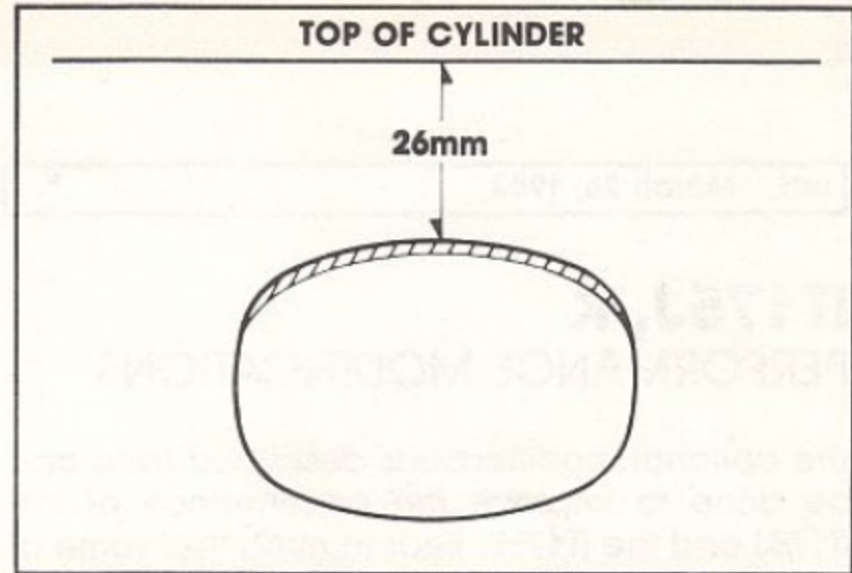
When riding on a sandy course, lowering the forks 10mm in the clamps may help stabilize steering.

CYLINDER

This modification is recommended for expert riders only.

Raise the exhaust port to 26mm from the top of the cylinder for improved mid-range and top-end power. Using a hand grinder, remove the

material shown in the shaded portion of the illustration.



When you run an engine with this modification, install a 330 main jet (137-14143-66-00) and a P-6 needle jet (239-14141-46-00) with the clip in the third position.

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