

DATE September 30, 1983

## YZ250K ADDITIONAL MODIFICATIONS

The following optional modifications can be completed to increase the efficiency of the YZ250K. Bear in mind, however, that certain modifications may affect your warranty; check your Owner's Warranty Guide for details.

### SEAT BRACKET

Replace the standard 1mm seat bracket with a 3mm seat bracket (23X-24738-00-00). This improved L-shaped bracket is heavier and thicker than its predecessor and is therefore more durable.

### MODIFIED COMPRESSION KNOB

Install a modified compression knob on the monoshock suspension system. In some cases the standard monoshock compression knob can come in conflict with the seat, resulting in changes in the suspension setting. Have the compression knob tapered as shown in the illustration at any machine shop.



TAPERED COMPRESSION KNOB

### HEAD STAY

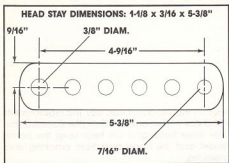
Fabricate an aluminum double-type head stay with the dimensions given in the illustration to

replace the standard head stay. This replacement head stay will use only two bolts (the standard stay uses three bolts) and will help keep the frame gusset and the head boss from cracking and breaking.

1. Remove the standard head stay.
2. If the frame gusset is cracked, reweld the area using a TIG welder.
3. Bore out the frame boss hole to 5/16".
4. Install the fabricated head stay using the following new and original parts in the photo below:
  - a. Bolt flange (97321-08060-00)
  - b. Nut (90185-08113-00)
  - c. Bolt flange (95811-10060-00)
  - d. Original head stay nut
  - e. Original 8mm washer
  - f. Original 10mm washer

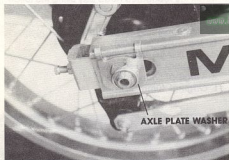


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#### AXLE PLATE WASHER

Two replacement axle washers are now available from Yamaha Parts Distributors Inc. Use of these two washers (90209-21243-00; 90209-18244-00) will prevent the washer from dishing.



#### CHAIN GUIDE

A new chain guide (23X-22199-10-00) is available from YPDL. When installing this chain guide make sure that it is properly aligned; the chain should run along the center of the guide.

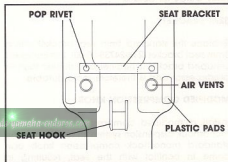
#### NYLON ZIPTIES

Fasten the mudguard to the YZ250K with nylon zip-ties instead of standard plastic ties. In some cases the plastic ties may come loose easily; nylon ties will remain in place longer.

#### ALUMINUM SEAT BRACKET

Fabricate and install an aluminum bracket on the underside of the seat to give the seat added rigidity. Under extreme riding conditions, the seat flexes and could possibly come unhooked from the seat tab located on the fuel tank. Installation of this bracket behind the air vents will keep the seat rigid and prevent this possibility.

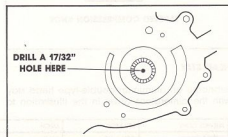
**NOTE:** Make sure the bracket is located behind the air vents. Otherwise it may come in contact with the MXS reservoir hose.



#### WATER PUMP IMPELLER SHAFT BUSHING

If you experience coolant leakage past the water pump impeller shaft, install a bushing (90380-10138-00) into the crankcase cover following these instructions:

1. Remove and inspect the impeller shaft for wear or damage. Replace the shaft if necessary.
2. Using a drill press with a new drill bit, bore a 17/32" hole into the center of the tapered area of the crankcase cover.



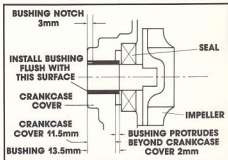
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3. Enlarge the oil notch on the inside of the crankcase cover to match the size of the notch in the bushing.



4. Press the bushing into the crankcase from outside until it is flush with the inside surface.

**NOTE:** Install a new oil seal (93103-10113-00).



5. When reinstalling the impeller shaft, apply grease to the oil seal lip and the shaft. Rotate the impeller shaft while reinstalling.
6. While reinstalling the crankcase cover, turn the impeller shaft to ensure that it meshes properly with the gear.

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