Forward/Reverse Gearbox

For Go-Karts, utility vehicles and other applications up to 16HP. Lightweight, rugged gearbox that allows operator the selection of three positions. Forward, neutral and reverse. Forward ratio 1:1 and reverse ratio is 2.7:1. Use this box with Comet torque converter systems.
TYPICAL INSTALLATION
GEAR BOX PART NUMBER 218390A

DRIVER

Engine
Mounted on a
Slotted plate

GEAR BOX
Bottom of box has
Four mounting holes
5/16 - 24 unf

DRIVEN

End of input shaft must
be supported by a rigidly
mounted bearing with
adjustment slots

AXLE

Mount gear box on
a slotted plate for
for chain tension
adjustments

ALL SHAFTS MUST BE PARALLEL WITH EACH OTHER
ENGINE CRANK SHAFT, GEAR BOX INPUT SHAFT, AXLE SHAFT

1. Add 8 oz of 80/90 weight gear lubricant
   at the fill hole in the input housing.
2. An outboard bearing and bearing
   support must be installed for the end of
   the input shaft.
3. A slotted mounting plate is required for
   the gearbox so it can be adjusted for
   the chain tension between the output
   shaft of the gearbox and the final drive
   sprocket. The engine plate should be
   slotted to adjust the center distance
   between the crankshaft and input shaft
   of the gearbox. CAUTION all shafts
   (engine crankshaft, input and output
   shafts of the gearbox and the axle
   shaft) must be parallel with each other.
4. Install sprocket on the output shaft and
   adjust chain tension first, then install
   driven unit on input shaft and adjust
   center distance setting between engine
   and gear box.
5. This unit must be mounted horizontally
   for proper operation. A vertically
   mounted unit could result in premature
   failure.

BOTTOM VIEW
SHOWING MOUNTING HOLE LOCATIONS

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