

3.44-1 G-54-C & D POWER TAKE-OFF

The G-54-C & D Power Take-Off is a compact, sturdy, streamlined unit with many features.

The G-54-C case is of one-piece cast iron precision casting, while the G-54-D is made from fabricated steel, each with mounting and bosses to facilitate right hand, left hand or vertical mounting.

All moving parts are heat treated alloy steel for longer life and higher strength. Diamond quintuple chain drive is used for high speed, heavy-duty power transmission. Anti-friction ball bearings are used throughout.

The internal gear type clutch shifts as easily as a transmission and has no tendency to creep in or out of gear. This clutch has a minimum of backlash and maximum torque capacity for quiet operation at all speeds and loads. All shaft ends are S.A.E. Standard. Oil bath type splash lubrication is used.

To disassemble the G-54-C or G-54-D PTO, first remove U-joints from flanges, disconnect shifting rod and unbolt mounting pads from frame. Remove the three flanges from shafts. Then, remove the six capscrews from 105F437 housing. This will allow the shaft 105F434, 105F437 housing and bearings to be removed as a unit.

Disassemble shifter shaft by removing the pipe plug from case and, with Allen wrench, remove two set screws from G-319 shifter yoke. Remove G-340 retainer, spring and plunger. Then pull shifter shaft from shifter yoke. Remove XSM-55-465-1 clutch. This will permit the input shaft 105F433 to come out in the same direction as the clutch.

Remove the remaining bearing adapters. This will allow the sprockets to slack off on chain, permitting the sprocket removal from case. After sprockets are

removed, remove chain from case. Clean and inspect all parts for wear and breakage. Always replace all grease seals.

Reassemble in reverse of disassembly.

CAUTION: When reassembling, tighten nut on input shaft flange to recommended torque. This locks the spacers, bearings and flange together preventing end play in the input shaft.

Fill to recommended level depending on installation.