



INSTRUCTIONS FOR INSTALLING
AM38532 ELECTROMAGNETIC PTO CLUTCH
(SUB FOR AM31190, AM31191, AM33147,
AM33148, AM33423 AND AM34287)
ON 120 AND 140 TRACTORS

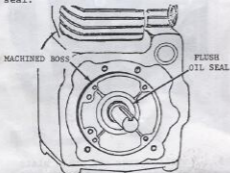


M46876 Instructions

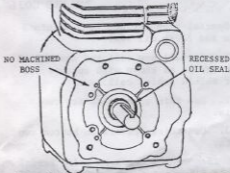
INTRODUCTION

This new PTO clutch can be installed on all 120 - 140 Tractors. However, special procedures are necessary when it is to be installed on engines having a machined boss and a flush crankshaft seal.

NOTE: When installing this new PTO Clutch on engines not having a machined boss and having a recessed oil seal, no modification is necessary.



Modification necessary when installing PTO on this engine. *NOTE: Follow modification instructions at bottom of this sheet.*



No modification necessary when installing PTO clutch on this engine.

DISASSEMBLY

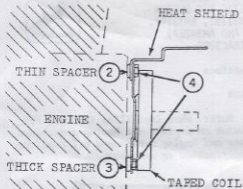
⚠ CAUTION: Turn off ignition key and disconnect spark plug before servicing the electromagnetic PTO.

Remove bumper plate and grill. Remove the old rotor assembly, crankshaft key, and heat shield. Disconnect the coil wire and remove the old coil.

MODIFICATION

- Carefully flatten the four line-up tabs on the new field coil.
- Wrap the field coil with three turns of 3/4-inch wide masking tape (tape is for alignment purposes only and will be removed later.)





Special type engines with machined boss and flush oil seal:

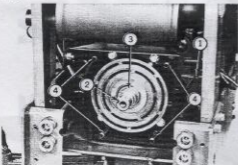
1. Install new coil and new M46983 Heat Shield as shown with spacers and heat shield behind coil.
2. Use thin spacers on top two bolts.
3. Use thick spacers on bottom two bolts.

NOTE: On 140 Tractors below serial no. 12,815 without heat shield install thick spacers at both top and bottom locations.

4. Install cap screws and internal tooth washers. Slide new rotor on crankshaft and over taped coil carefully. Snug up four cap screws to hold coil in aligned position. Remove rotor and tighten four cap screws firmly. Remove tape from coil.

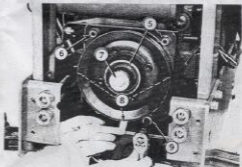
Special type engines with no machined boss and recessed oil seal:

Install new coil and heat shield with four cap screws and internal tooth washers.



All Engines:

1. Connect coil wire.
2. Install new 1/4 x 5/8-inch crankshaft key.
3. Install new rotor.
4. Place four compression springs provided onto brake plate mounting studs.



5. Install sheave and brake plate assembly on crankshaft and four mounting studs.
6. Place a locknut on the four studs. Do not tighten.
7. Install bushing, plain washer, lock washers, and 5/16-inch cap screws, torque to 35 ft. lb.
8. Insert .015" thick feeler gauge through slots in both sides and bottom of brake plate. *NOTE: Feeler gauge must be between clutch plate and rotor.*
9. Tighten locknuts equal until there is a .010" - .012" air gap between clutch plate and rotor. (1/4 turn of locknut equals .010" gap change).
10. Install bumper plate and grill.
11. Connect spark plug wire.