

ELECTRICAL SYSTEM

Op. 400 REPLACE GENERATOR ASSEMBLY. (All Models.)

1. Disconnect battery and generator leads.
2. Remove generator.
3. Remove pulley.
4. Replace pulley.
5. Replace generator.
6. Adjust fan belt tension.
7. Reconnect generator leads.
8. Reconnect battery.

Op. 400(a) Extra to replace generator brushes and clean commutator. (All Models.)

1. Loosen cover and slide it along body.
2. Raise springs and withdraw brushes.
3. Remove brushes.
4. Rotate armature and clean commutator.
5. Clean brush holders.
6. Raise springs and insert new brushes.
7. Reconnect brush leads.
8. Refit cover band and tighten clamp.

Op. 400(b) Extra to overhaul generators. (All Models.)

1. Unscrew through bolts and remove commutator end bracket.
2. Remove yoke from drive end bracket.
3. Remove armature out of bracket.
4. Remove retainer plate, bearing, washers and retainer.
5. Lubricate front bearing and refit washers, retainer and bearing.
6. Replace bearing retainer plate and rivet in position.
7. Clean commutator, undercut mica and test.
8. Refit drive end bracket to armature.
9. Test field coils.
10. If necessary, remove coils from yoke.
11. Reassemble field coils to yoke.
12. Extract commutator end bracket plug and remove bush.
13. Insert new bush in end plate.
14. Ream bush, using reaming fixture.
15. Clean out housing and replace plug.
16. Refit drive end bracket and armature to yoke.
17. Refit end plate.
18. Replace through bolts.

Tools used—AT2/U 10044.

A/CDETY 10175.

A/CDET 10128.

A/CDET 10128-AB.

A/CDET 10129.

A/CDET 10129-B.

Polepiece screwdriver.

Pole expander.

End plate bushing reamer.

End plate bushing remover and replacer.

End plate bushing reaming fixture.

Front end plate replacer.

ASSOCIATED OPERATIONS

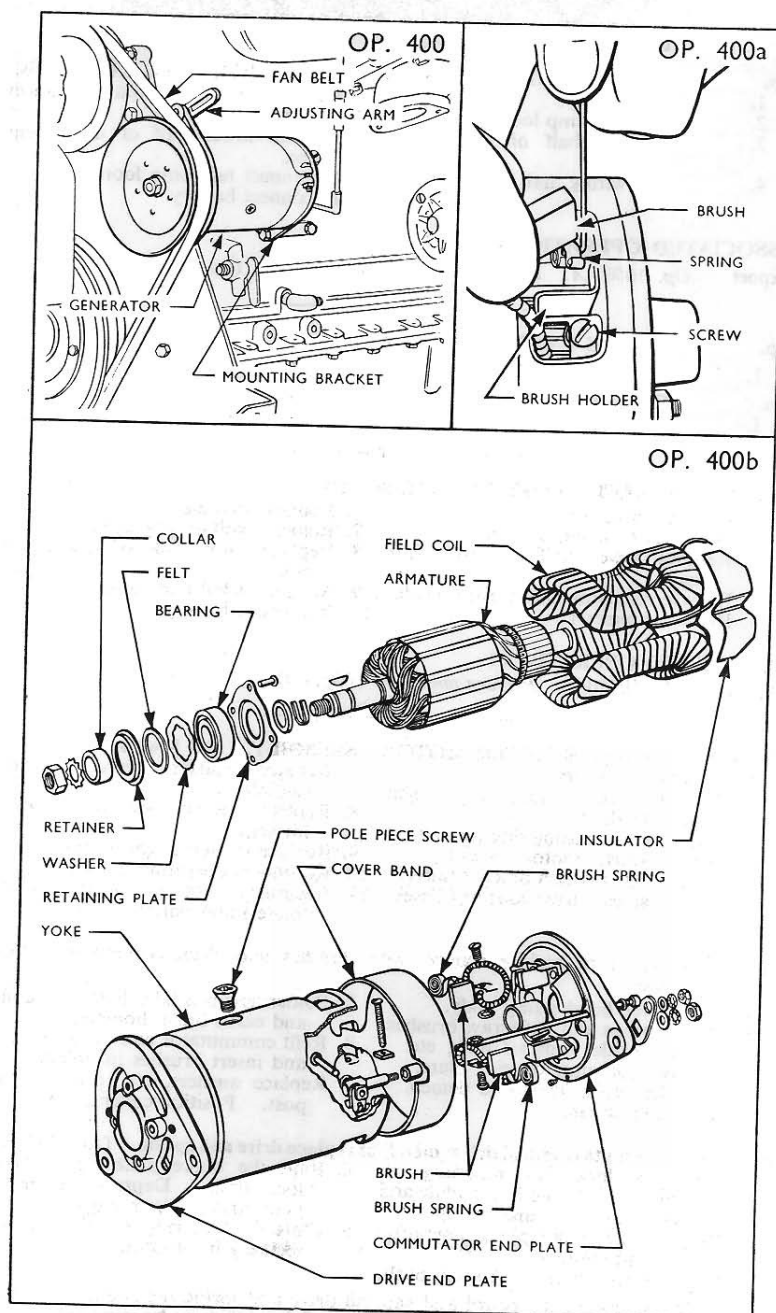
Domestic Op. 402. Replace generator brushes and clean commutator. (Ops. 400 and 400(a).)

Op. 403. Overhaul generator assembly. (Ops. 400, 400(a) and 400(b).)

Export Op. 10000-A. Replace generator assembly. (Op. 400.)

Op. 10000-B. Overhaul generator. (Ops. 400, 400(a) and 400(b).)

Op. 10000-G. Replace generator brushes and clean commutator. (Ops. 400 and 400(a).)



ELECTRICAL SYSTEM—continued

Op. 406 REPLACE VOLTAGE CONTROL REGULATOR UNIT. (All Models.)

1. Disconnect battery.
2. Disconnect tail lamp loom.
3. Remove lower half of instrument box.
4. Disconnect wiring and remove regulator.
5. Replace regulator and reconnect wiring.
6. Replace lower half of instrument box.
7. Reconnect tail lamp loom.
8. Reconnect battery.

ASSOCIATED OPERATIONS

Export Op. 10505-A. Replace voltage regulator unit. (Op. 406.)

Op. 408. REPLACE BATTERY. (All Models.)

1. Remove battery.
2. Replace battery.

Op. 408(a) Extra to replace battery carrier. (All Models.)

1. Remove battery carrier.
2. Replace battery carrier.

Op. 409 REPLACE AMMETER. (All Models.)

1. Disconnect battery.
2. Disconnect tail lamp loom.
3. Remove lower half of instrument box.
4. Release regulator and move it aside.
5. Remove ammeter.
6. Replace ammeter.
7. Relocate voltage regulator.
8. Replace lower half of instrument box.
9. Reconnect tail lamp loom.
10. Reconnect battery.

ASSOCIATED OPERATIONS

Export Op. 10850-A. Replace ammeter. (Op. 409.)

Op. 410 REPLACE STARTER MOTOR ASSEMBLY. (All Models.)

1. Disconnect battery.
2. Disconnect starter and relay switch (diesel) cables.
3. Disconnect operating link (diesel).
4. Remove starter motor assembly.
5. Remove relay switch bracket (diesel).
6. Remove starter drive housing (diesel).
7. Replace starter drive housing (diesel).
8. Replace relay switch bracket (diesel).
9. Replace starter motor assembly.
10. Reconnect operating link (diesel).
11. Reconnect starter, relay switch (diesel) and battery.

Op. 410(a) Extra to replace starter motor brushes and clean commutator. (All Models.)

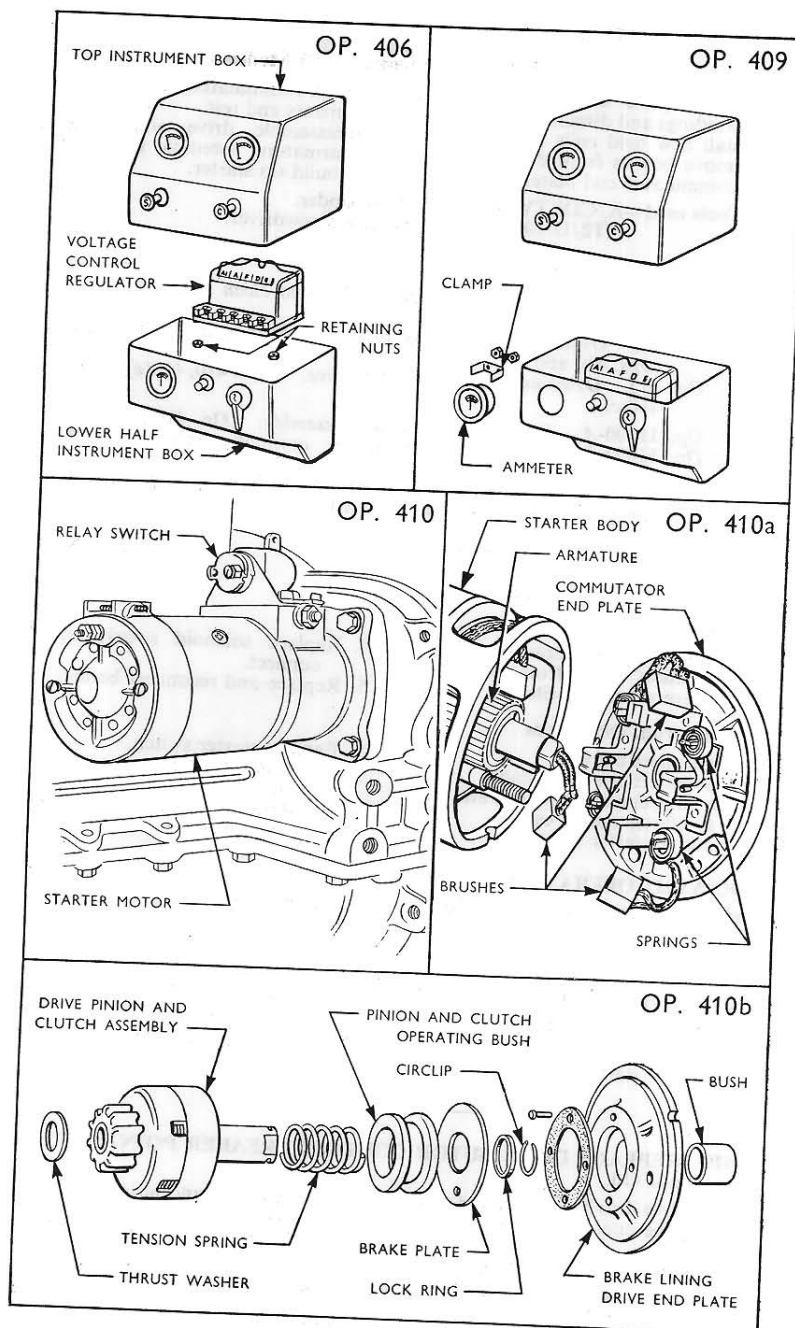
1. Slide cover band along body.
2. Raise springs and withdraw brushes.
3. Remove cable terminal nuts, etc.
4. Remove commutator end plate.
5. Unsolder brush leads and detach.
6. Clean commutator.
7. Solder new brush leads to field coils and earth brush holders.
8. Refit commutator end plate in yoke and insert brushes in holders.
9. Replace washers, etc., on terminal post. Position cover band.

Op. 410(b) Extra to overhaul drive (diesel) or replace drive and spring. (All Models.)

1. Open the lock ring retaining the circlip, depress the brake plate and remove lock ring and circlip.
2. Remove the brake plate, operating bush and spring.
4. Refit the brake plate and a new lock ring. Depress the brake plate and fit the circlip.
5. Close the lock ring to hold the clip securely in position.



In the case of the petrol and vap. oil drive and spring remove the split pin retaining the lock nut when the drive components may be removed.



ELECTRICAL SYSTEM—continued

Op. 410(c) Extra to overhaul the starter motor. (All Models.)

1. Remove yoke assembly, test field windings and dismantle from yoke.
2. Install new field coils in yoke.
3. Remove bushes from drive end and commutator end plates and renew.
4. Clean commutator. Undercut segments and test.
5. Reassemble drive end plate to armature, assemble to yoke and build up starter.

Tools used—A/CDETY 10175. Pole expander.
AT2/U 10044. Polepiece screwdriver.

ASSOCIATED OPERATIONS

- Domestic** Op. 411. Replace starter motor brushes and clean commutator. (Ops. 410 and 410(a).)
Op. 412. Overhaul starter motor drive (diesel) or replace drive and spring. (Ops. 410 and 410(b).)
Op. 413. Overhaul starter motor and drive. (Ops. 410, 410(a), 410(b) and 410(c).)
- Export** Op. 11000-A. Replace starter motor assembly. (Op. 410.)
Op. 11000-B. Overhaul starter motor assembly. (Ops. 410, 410(a), 410(b) and 410(c).)
Op. 11350-A. Overhaul starter motor drive (diesel) or replace drive and spring. (Ops. 410, 410(a) and 410(b).)

Op. 414. REPLACE STARTER SWITCH

Diesel engines

1. Disconnect and remove battery.
2. Disconnect cables from solenoid.
3. Remove solenoid switch.
4. Replace solenoid switch and reconnect.
5. Replace and reconnect battery.

Petrol—Vap. Oil engines

1. Disconnect battery.
2. Disconnect operating cable.
3. Disconnect main feed wire and switch to starter motor cable.
4. Remove starter switch.
5. Replace starter switch.
6. Reconnect starter motor to switch cable and main feed wire.
7. Reconnect operating cable.
8. Reconnect battery.

ASSOCIATED OPERATIONS

- Export** Op. 11450-A. Replace starter relay switch. (Op. 414.)

Op. 415. REPLACE STARTER CONTROL CABLE. (Petrol—Vap. Oil.)

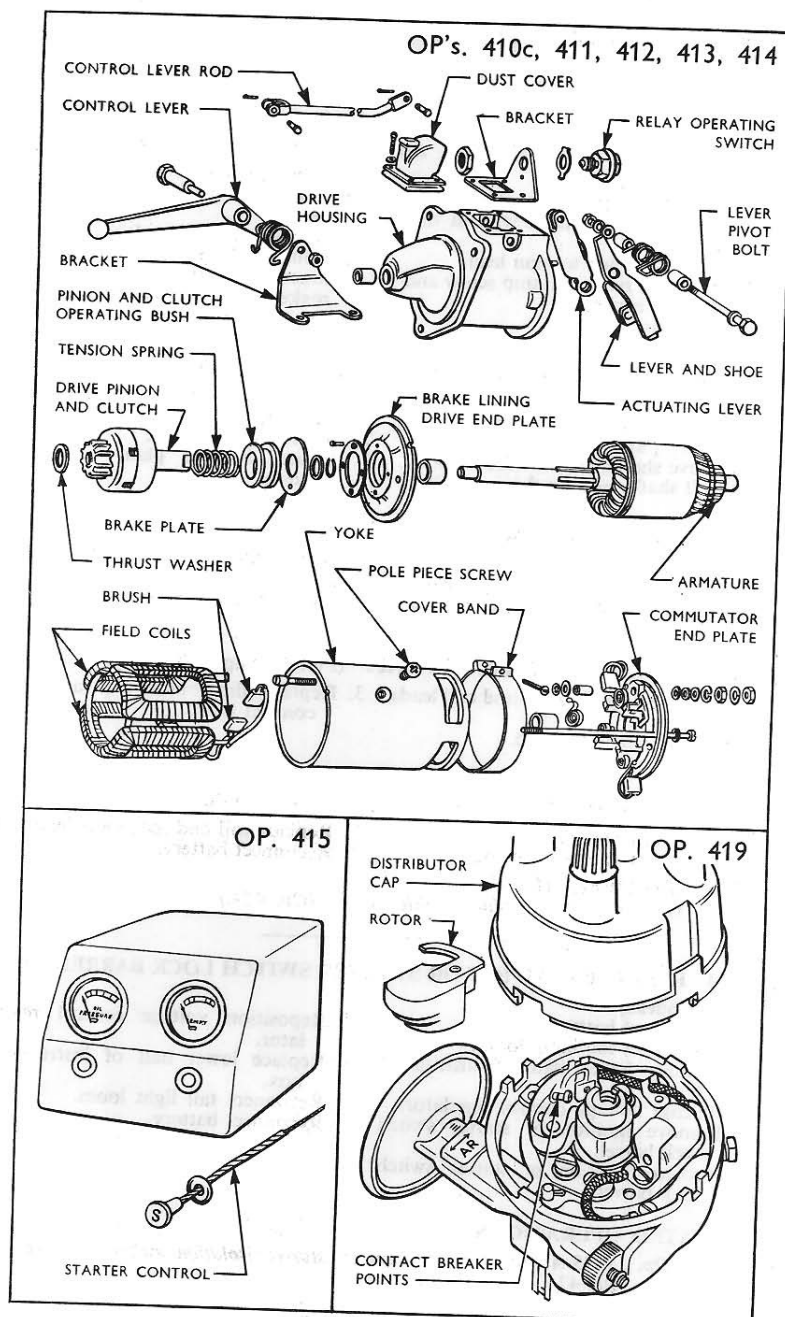
1. Disconnect control in top of instrument box.
2. Remove starter control pull cable.
3. Replace starter control pull cable.
4. Reconnect control in top of instrument box.

Op. 419 REPLACE DISTRIBUTOR CONTACT BREAKER POINTS. (Petrol—Vap. Oil.)

1. Remove distributor cap and rotor.
2. Remove contact breaker points.
3. Refit points and adjust gap setting.
4. Replace rotor and cap.

ASSOCIATED OPERATIONS

- Export** Op. 12100-C. Replace distributor contact breaker points. (Op. 419.)



ELECTRICAL SYSTEM—continued

Op. 420 REPLACE DISTRIBUTOR AND RETIME. (Petrol—Vap. Oil.)

1. Disconnect battery.
2. Disconnect spark plug leads.
3. Disconnect low tension wire at distributor.
4. Remove coil high tension lead.
5. Slacken and remove clamp screw and lift out distributor.
6. Replace distributor.
7. Retime distributor.
8. Reconnect high and low tension leads.
9. Reconnect spark plug leads.
10. Reconnect battery.
11. Connect timing light, run engine and make final settings to ignition.

Op. 420(a) Extra to overhaul distributor. (Petrol—Vap. Oil.)

1. Remove condenser and breaker plate.
2. Remove cam and governor weights.
3. Remove pin and driving collar.
4. Remove shaft from distributor body.
5. Install shaft and refit driving collar.
6. Replace governor weights and springs.
7. Install cam assembly.
8. Replace breaker plate and condensor.

ASSOCIATED OPERATIONS

Domestic Op. 421. Overhaul distributor and retime. (Ops. 420 and 420(a).)
Export Op. 12100-A. Replace distributor assembly. (Op. 420.)
Op. 12100-B. Overhaul distributor. (Ops. 420 and 420(a).)

Op. 422 REPLACE DISTRIBUTOR CAP. (Petrol—Vap. Oil.)

1. Disconnect spark plugs and coil leads at cap.
2. Remove distributor cap.
3. Replace distributor cap and reconnect leads.

Op. 423 REPLACE IGNITION COIL. (Petrol—Vap. Oil.)

1. Disconnect battery.
2. Disconnect and remove coil.
3. Replace coil and reconnect leads.
4. Reconnect battery.

ASSOCIATED OPERATIONS

Export Op. 12024-A. Replace ignition coil. (Op. 423.)

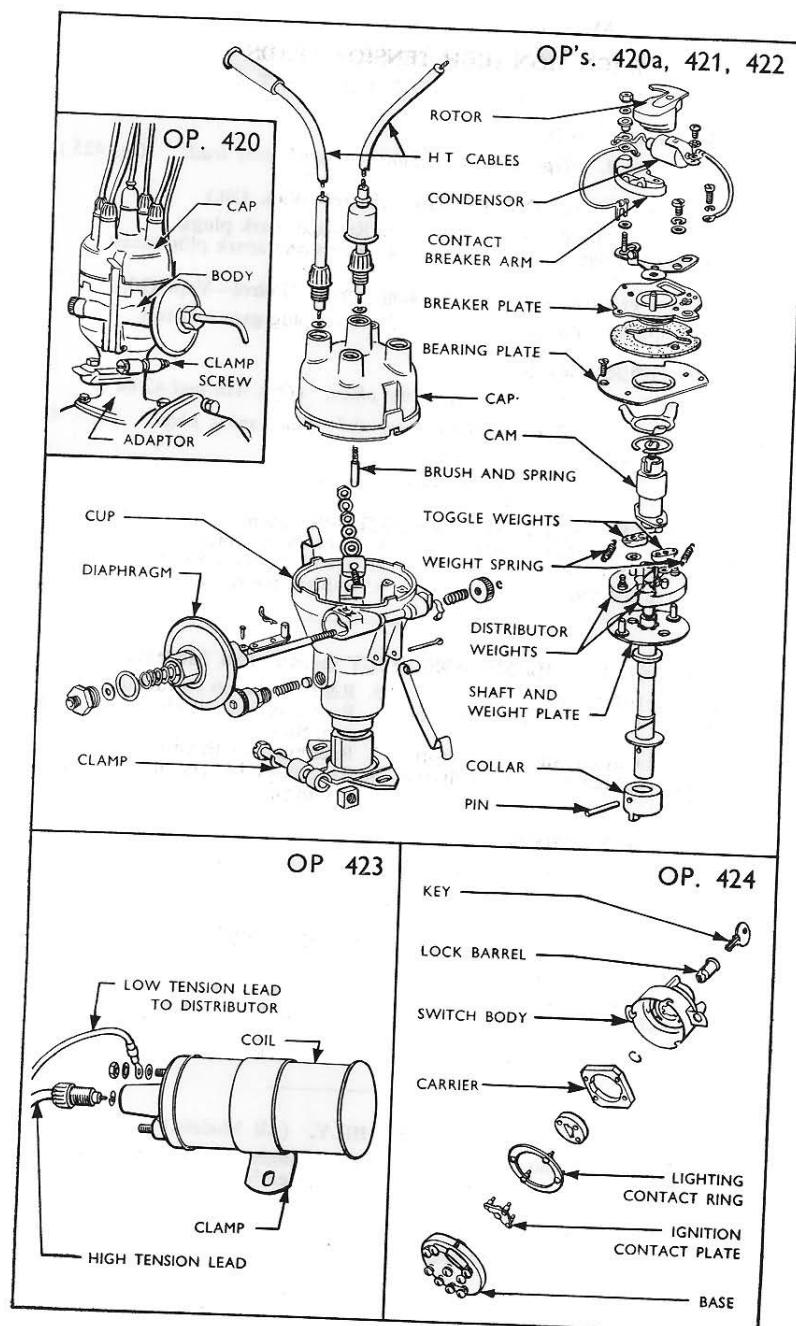
Op. 424 REPLACE IGNITION OR STARTER SWITCH LOCK BARREL. (All Models.)

1. Disconnect battery.
2. Disconnect tail lamp loom.
3. Remove lower half of instrument box.
4. Release voltage control regulator.
5. Remove ignition or starter switch lock barrel.
6. Replace ignition or starter switch lock barrel.
7. Reposition voltage control regulator.
8. Replace lower half of instrument box.
9. Reconnect tail light loom.
10. Reconnect battery.

ASSOCIATED OPERATIONS

Export Op. 11575-A. Replace ignition or starter isolation switch lock barrel.

(Op. 424.)



ELECTRICAL SYSTEM—continued

Op. 425 REPLACE IGNITION HIGH TENSION LEADS

1. Disconnect and remove H.T. leads.
2. Replace H.T. leads.

ASSOCIATED OPERATIONS

Export Op. 12283-A. *Replace all distributor to spark plug leads. (Op. 425.)*

Op. 426 REPLACE SPARKING PLUGS. (Petrol—Vap. Oil.)

1. Disconnect spark plug leads.
2. Remove spark plugs.
3. Replace spark plugs.
4. Reconnect spark plug leads.

Op. 426(a) Extra to clean and reset sparking plugs. (Petrol—Vap. Oil.)

1. Sandblast sparking plugs.
2. Reset plug gaps and test.

ASSOCIATED OPERATIONS

Domestic Op. 427. *Clean and reset sparking plugs. (Ops. 426 and 426(a).)*

Export Op. 12405-C. *Remove, clean, reset and replace spark plugs. (Ops. 426 and 426(a).)*

Op. 429 REPLACE HEADLAMP REFLECTORS (each). (All Models.)

1. Remove rim and glass assembly.
2. Remove bulb holder.
3. Remove the reflector.
4. Refit the reflector.
5. Install the bulb holder.
6. Replace the rim and glass assembly.

Op. 430 REPLACE HEADLAMP ASSEMBLY (each). (All Models.)

1. Disconnect the battery.
2. Disconnect earth wire from radiator shell.
3. Disconnect wires at snap connectors.
4. Remove headlamp from radiator shell.
5. Refit headlamp to radiator shell.
6. Reconnect the leads at snap connection.
7. Reconnect earth wire.
8. Reconnect battery and align headlamps.

ASSOCIATED OPERATIONS

Export Op. 13002-A. *Replace headlamps (each). (Op. 430.)*

Op. 432 REPLACE CONTROL BOX TO REAR JUNCTION BOX WIRING LOOM. (All Models.)

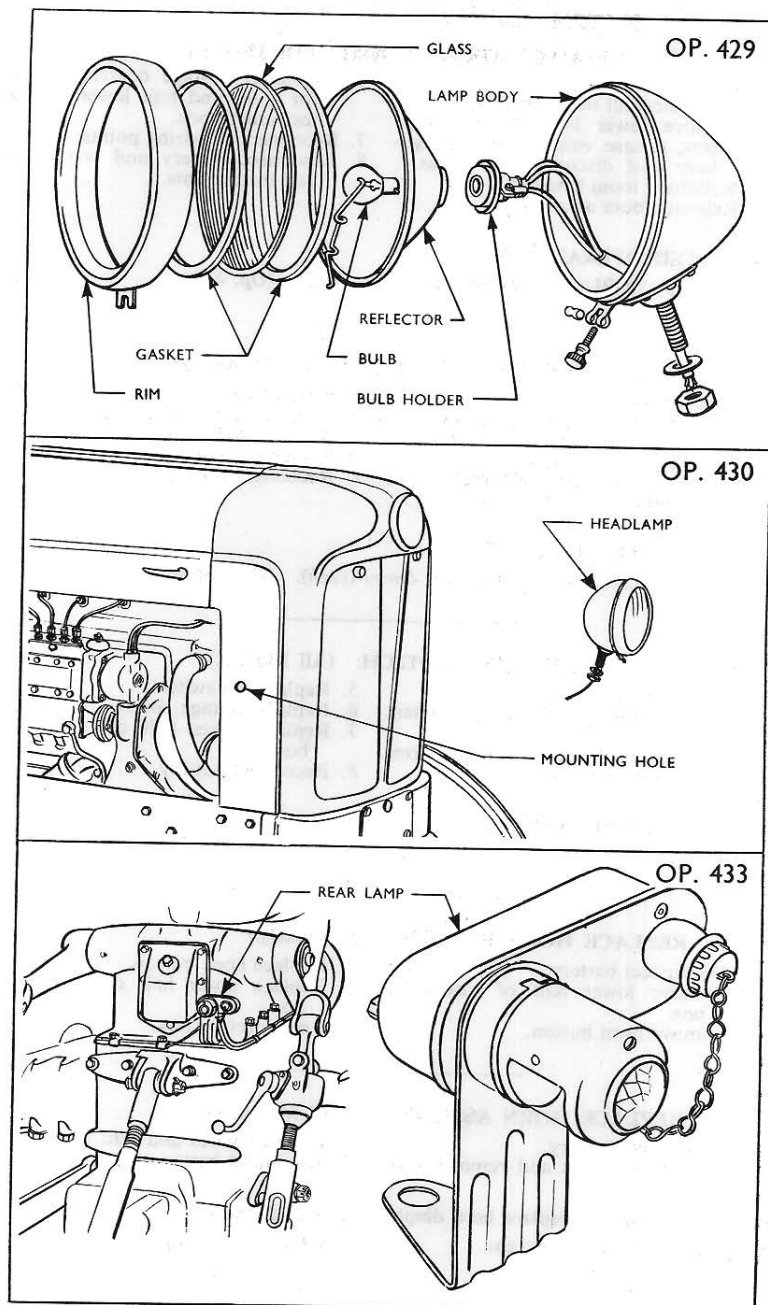
1. Disconnect the battery.
2. Disconnect tail lamp loom.
3. Remove lower half of instrument box and disconnect loom.
4. Reconnect loom and replace lower half of instrument box.
5. Reconnect tail lamp loom.
6. Reconnect battery.

Op. 433 REPLACE REAR LAMP ASSEMBLY. (All Models.)

1. Disconnect wires and remove lamp assembly.
2. Reconnect wires and replace lamp assembly.

ASSOCIATED OPERATIONS

Export Op. 13407-A. *Replace rear lamp. (Op. 433.)*



ELECTRICAL SYSTEM—continued

Op. 434 REPLACE MAIN WIRING LOOM. (All Models.)

1. Disconnect battery.
2. Disconnect all wiring points.
3. Remove lower half of instrument box, release voltage control regulator and disconnect all wires.
4. Withdraw loom assembly.
5. Relocate loom assembly.
6. Reconnect voltage control regulator wires and refit lower half of instrument box.
7. Reconnect all wiring points.
8. Reconnect battery and test lights and instruments.

ASSOCIATED OPERATIONS

Export Op. 14401-A. Replace main wiring loom. (Op. 434.)

Op. 436 REPLACE WING LAMP ASSEMBLY. (All Models.)

1. Disconnect battery.
2. Detach rim and glass assembly.
3. Disconnect feed and earth wires and remove rim and glass.
4. Remove side lamp and bracket and separate parts.
5. Reassemble side lamp and bracket and install on mudguard.
6. Reconnect the wires.
7. Replace rim and glass assembly.
8. Reconnect battery.

ASSOCIATED OPERATIONS

Export Op. 13202-A. Replace side lamps (each). (Op. 436.)

Op. 437 REPLACE LIGHTING SWITCH. (All Models.)

1. Disconnect battery.
2. Remove lower half of instrument box.
3. Detach the voltage control regulators.
4. Remove the switch.
5. Replace the switch.
6. Replace voltage control regulator.
7. Replace lower half of instrument box.
8. Reconnect battery.

ASSOCIATED OPERATIONS

Export Op. 11575-B. Replace lighting switch. (Op. 437.)

Op. 442 REPLACE HORN BUTTON. (All Models.)

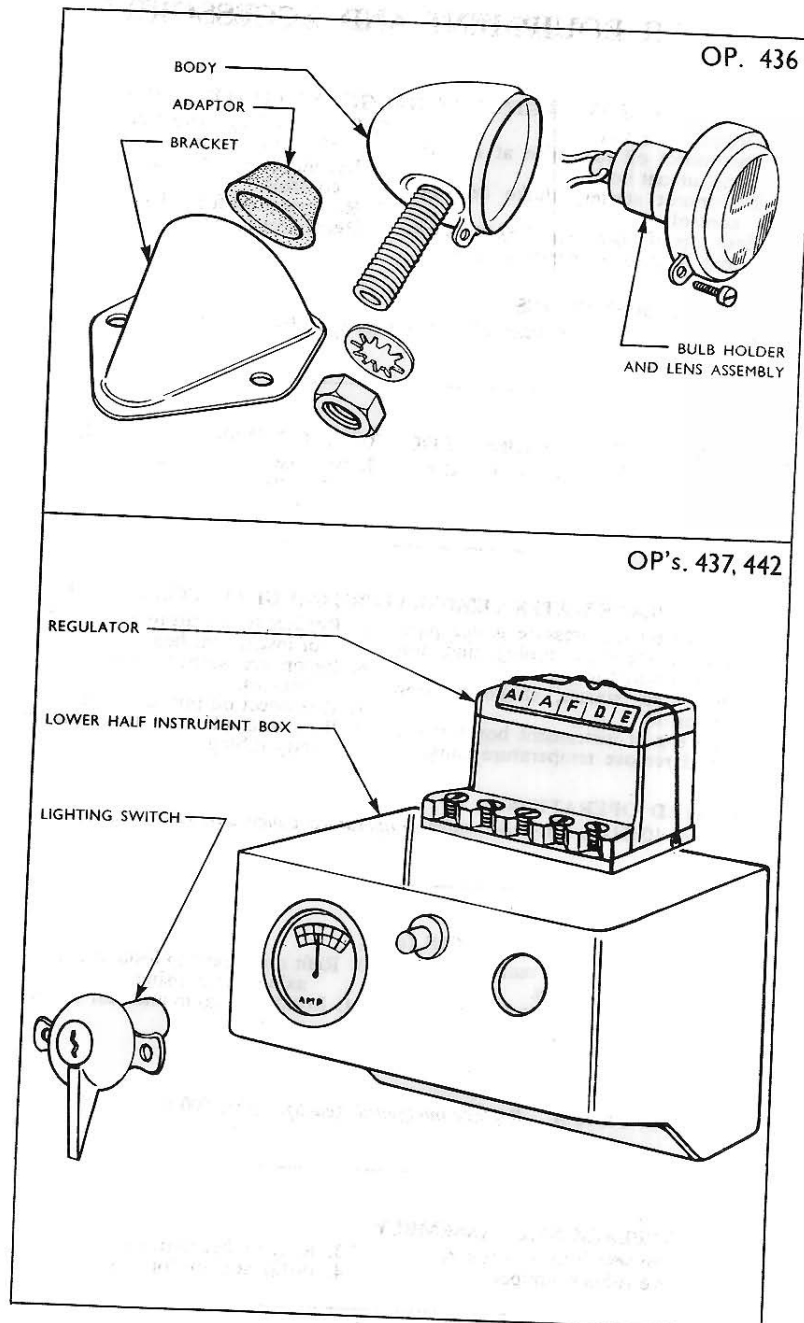
1. Disconnect battery.
 2. Remove lower half of instrument box.
 3. Remove horn button.
 4. Replace horn button.
 5. Replace lower half of instrument box.
 6. Reconnect battery.
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Op. 448 REPLACE HORN ASSEMBLY. (All Models.)

1. Disconnect battery.
2. Disconnect wires and remove horn.
3. Connect wires and refit horn.
4. Reconnect battery.

Op. 448(a) Extra to replace horn diaphragm. (All Models.)

1. Remove horn diaphragm.
 2. Refit horn diaphragm.
 3. Adjust horn note.
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POWER EQUIPMENT AND ACCESSORIES

Op. 470 REPLACE OIL PRESSURE GAUGE ON CONTROL PANEL

1. Disconnect battery.
2. Disconnect oil feed pipe at rear of instrument box.
3. Disconnect starter, choke or stop control.
4. Ease top of instrument box forward and remove oil pressure gauge.
5. Replace oil pressure gauge and top of instrument box.
6. Reconnect starter, choke or stop controls.
7. Reconnect oil feed pipe.
8. Reconnect battery.

ASSOCIATED OPERATIONS

Export Op. 9273-C. Replace oil pressure gauge. (Op. 470.)

Op. 471 REPLACE CYLINDER BLOCK TO OIL PRESSURE GAUGE PIPE

1. Disconnect oil pipe at both ends and remove.
2. Replace oil pipe and tighten up unions.

Op. 473 REPLACE WATER TEMPERATURE GAUGE ON CONTROL PANEL

1. Disconnect oil pressure gauge pipe.
2. Release capillary tubing and unscrew adaptor.
3. Disconnect starter, choke or stop controls.
4. Ease top of instrument box forward and remove temperature gauge.
5. Replace temperature gauge and top of instrument box.
6. Reconnect starter, choke or stop controls.
7. Reconnect oil pressure pipe.
8. Reconnect adaptor and secure capillary tubing.

ASSOCIATED OPERATIONS

Export—Op. 10861-A. Replace water temperature gauge assembly. (Op. 473.)

Op. 500 REPLACE MUDGUARDS (each)

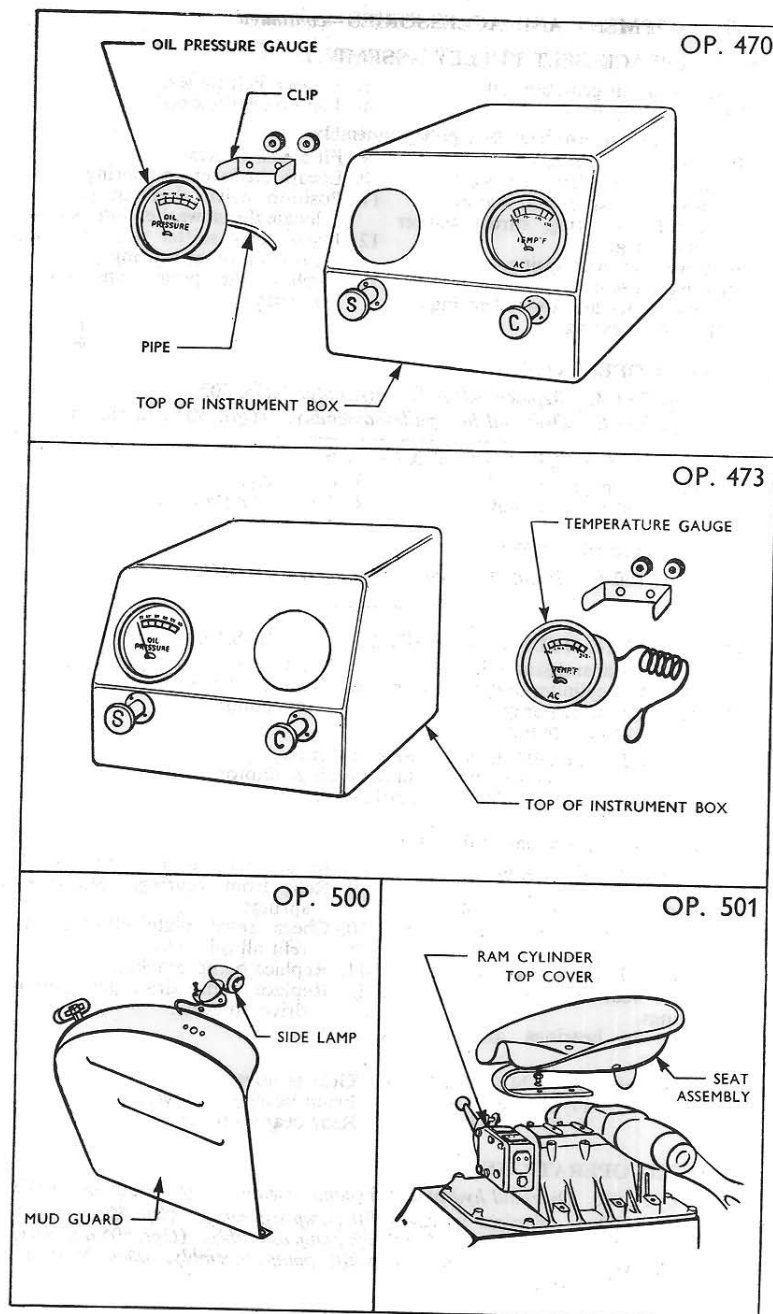
1. Disconnect side and rear lamp wiring and remove lamps.
2. Release mudguard at footplate and axle shaft housing and remove.
3. Refit mudguard to footplate and rear axle shaft housing.
4. Install side lamp and rear lights and reconnect.

ASSOCIATED OPERATIONS

Export Op. 16312-A. Replace mudguards (each). (Op. 500.)

Op. 501 REPLACE SEAT ASSEMBLY





POWER EQUIPMENT AND ACCESSORIES—continued

Op. 502 REPLACE BELT PULLEY ASSEMBLY

1. Partially drain gear box oil.
2. Remove belt pulley.
3. Replace belt pulley.
4. Top up gearbox oil.

Op. 502(a) Extra to overhaul belt pulley assembly

1. Remove control handle.
2. Withdraw the pulley from shaft.
3. Remove drive shaft and shifter.
4. Dismantle lock ring, thrust washer and drive gear.
5. Remove lever and spring.
6. Remove oil seal.
7. Remove inner and outer bearings.
8. Refit inner bearing.
9. Fit a new oil seal.
10. Locate the lever and spring.
11. Position drive shaft in gear and locate thrust washer and lock ring.
12. Install gear shifter and shaft and press on outer bearing.
13. Replace the pulley and control handle.

ASSOCIATED OPERATIONS

Export Op. 760-A. Replace belt pulley assembly. (Op. 502.)
Op. 760-B. Overhaul belt pulley assembly. (Ops. 502 and 502(a).)

Op. 503 INSTALL BELT PULLEY ASSEMBLY

1. Partially drain gearbox oil.
2. Remove pulley cover plate.
3. Fit pulley.
4. Top up gearbox oil.

ASSOCIATED OPERATIONS

Export Op. 760-C. Install belt pulley assembly. (Op. 503.)

Op. 505 REPLACE HYDRAULIC LIFT PUMP ASSEMBLY

1. Drain rear transmission oil.
2. Remove ram cylinder and top cover.
3. Remove hydraulic pump.
4. Replace hydraulic pump.
5. Replace ram cylinder and top cover.
6. Refill rear transmission with oil and test pump.

Tools used—Tr1/MD 994675. Pressure gauge.
Tr1/D 994675. Jack tapping adaptor.
Tr/D 994781. Lifting eyebolt.

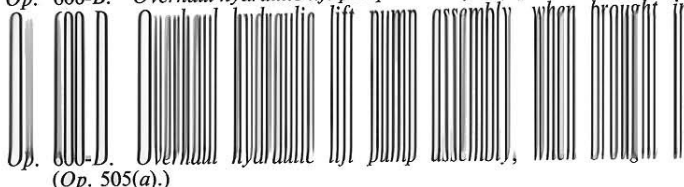
Op. 505(a) Extra to overhaul lift pump

1. Remove pump drive gear.
2. Remove pump bracket.
3. Lift off oil seals and relief plate.
4. Remove front bearings and locking springs.
5. Remove drive and driven gears.
6. Remove rear bearings and locking springs.
7. Refit rear bearings and locking springs.
8. Install drive and driven gears.
9. Refit front bearings and locking springs.
10. Check relief plate clearance and refit all oil seals.
11. Replace pump bracket.
12. Replace pump drive gear (do not drive on gear).

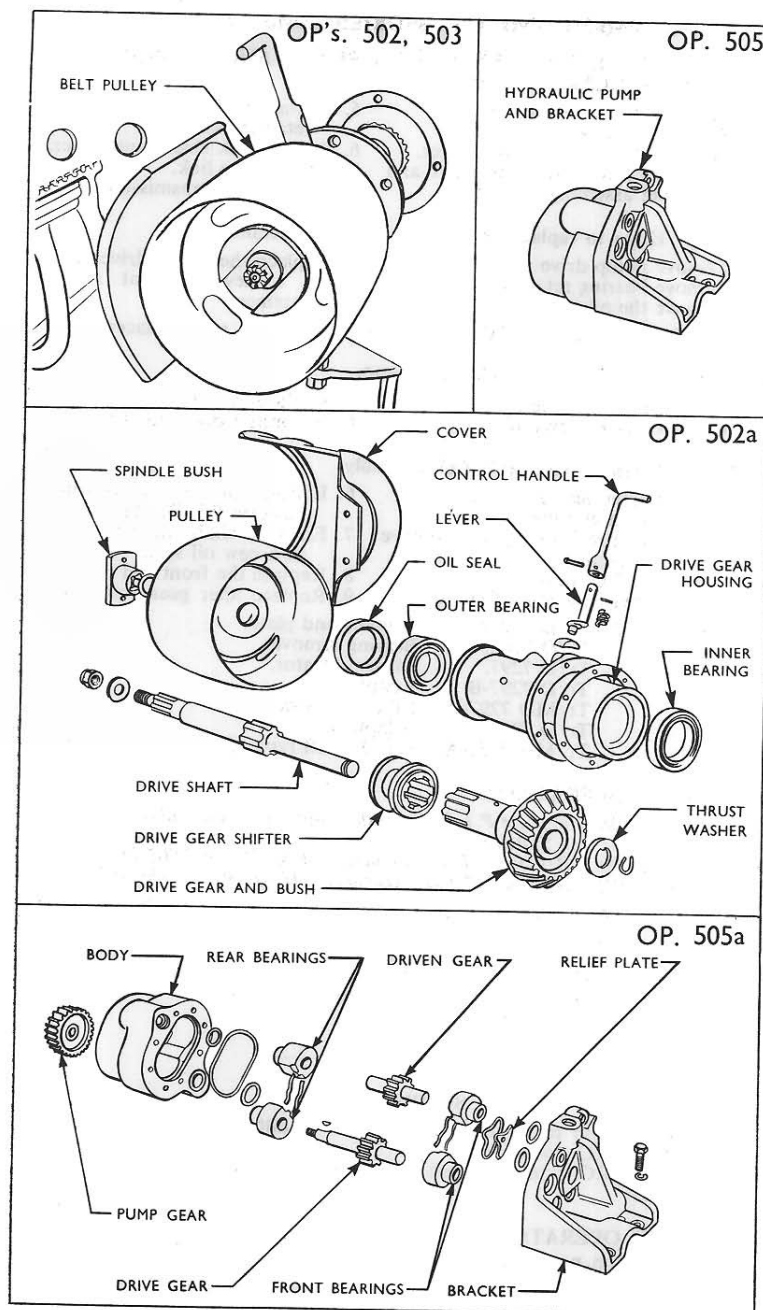
Tools used—ATTr/NVMD 6306-A. Gear remover.
Tr/D 994667-A. Front bearing remover.
Tr/D 994668-A. Rear bearing remover.

ASSOCIATED OPERATIONS

Domestic Op. 506. Overhaul hydraulic lift pump assembly. (Ops. 505 and 505(a).)
Export Op. 600-A. Replace hydraulic lift pump assembly. (Op. 505.)
Op. 600-B. Overhaul hydraulic lift pump assembly. (Ops. 505 and 505(a).)



(Op. 505(a).)



POWER EQUIPMENT AND ACCESSORIES—continued

Op. 507 REPLACE P.T.O. EXTENSION SHAFT AND HYDRAULIC PUMP DRIVE GEAR ASSEMBLY

1. Drain rear transmission oil.
2. Remove top link.
3. Remove P.T.O. shield and cover.
4. Remove P.T.O. extension shaft and retainer assembly.
5. Replace P.T.O. extension shaft and retainer assembly.
6. Refit P.T.O. shield and cover.
7. Replace top link.
8. Refill oil in transmission.

Op. 507(a) Extra to replace drive gear, oil seal or retainer

1. Remove pump drive gear.
2. Remove bearing retainer.
3. Remove the oil seal.
4. Replace the pump drive gear.
5. Fit a new oil seal and install retainer.

Tools used—Tr/MD 7305-B. Extension shaft oil seal replacer.

Op. 507(b) Extra to replace P.T.O. assembly

1. Disconnect operating link.
2. Remove P.T.O. assembly.
3. Replace P.T.O. assembly.
4. Reconnect operating link.

Op. 507(c) Extra to overhaul P.T.O. assembly

1. Remove idler gear and shaft.
2. Detach front end plate.
3. Withdraw front bearing and remove shaft assembly.
4. Lift out P.T.O. gear.
5. Remove rear bearing off shaft.
6. Locate the front bearing and position P.T.O. gear.
7. Enter the shaft and rear bearing and fit a new oil seal.
8. Replace the front end plate.
9. Replace idler gear and shaft.

Tools used—Tr/D 77012. Dummy end plate.
Tr/D 7006. Bearing remover.
Tr/D 7297. Oil seal locator.
Tr/D 7297-B. Adaptor.
Tr/MD 7297-B. Oil seal replacer.
Tr/D 7255-A. Adaptors.
Tr/MD 7255-A. P.T.O. shaft remover.

ASSOCIATED OPERATIONS

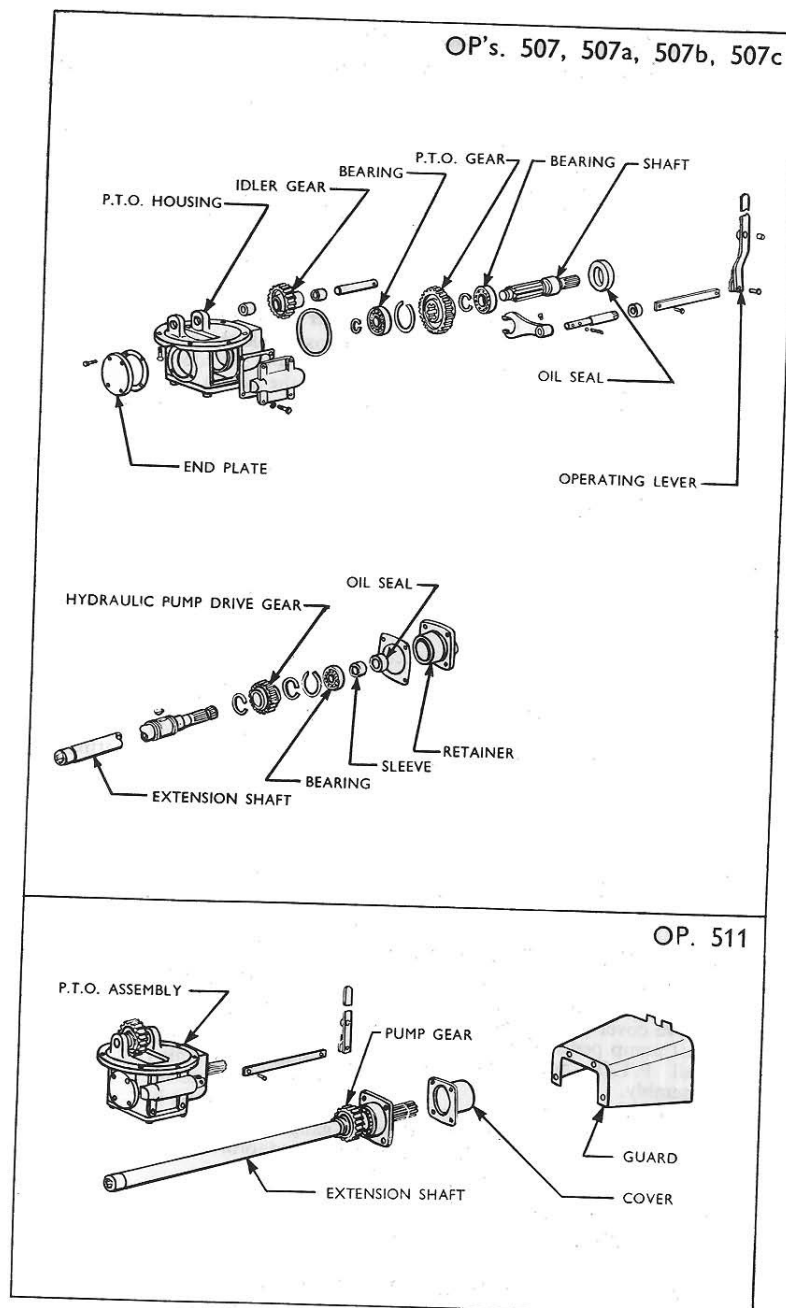
- Domestic** Op. 508. Replace P.T.O. Extension shaft, gear, oil seal or retainer. (Ops. 507 and 507(a).)
Op. 509. Replace P.T.O. assembly. (Ops. 507 and 507(b).)
Op. 510. Overhaul P.T.O. assembly. (Ops. 507-507(b) and 507(c).)
- Export** Op. 600-E. Replace hydraulic pump drive gear on P.T.O. extension shaft. (Ops. 507 and 507(a).)
Op. 700-A. Replace P.T.O. assembly. (Ops. 507 and 507(b).)
Op. 700-B. Overhaul P.T.O. assembly. (Ops. 507, 507(b) and 507(c).)
Op. 700-C. Replace P.T.O. extension shaft oil seal or retainer. (Ops. 507 and 507(a).)

Op. 511 INSTALL P.T.O. ASSEMBLY

1. Drain oil from rear transmission.
2. Remove P.T.O. cover plate.
3. Remove P.T.O. extension shaft cover plate.
4. Install P.T.O. and control lever assembly.
5. Install extension shaft.
6. Refill oil in rear transmission.

ASSOCIATED OPERATIONS

Export Op. 700-D. Install P.T.O. and extension shaft assembly. (Op. 511.)



POWER EQUIPMENT AND ACCESSORIES—continued

Op. 512 REPLACE HYDRAULIC LIFT CONTROL VALVE GEAR ASSEMBLY

1. Remove valve gear assembly.
2. Replace valve gear assembly.

Op. 512(a) Extra to replace any or all valve gear parts (includes testing and re-setting)

1. Remove cover and end plates.
2. Remove quadrant and lever assembly.
3. Remove unloading and non-return valves.
4. Dismantle quadrant and lever.
5. Install unloading and non-return valve assemblies.
6. Re-assemble and replace quadrant and lever assemblies.
7. Replace cover and end plates.
8. Test valve gear.

Op. 512(b) Extra to replace hydraulic ram cylinder or piston

1. Remove the piston and ram cylinder.
2. Remove oil seal at front of cylinder.
3. Push the piston out from the rear.
4. Dismantle the piston.
5. Reassemble the piston.
6. Install the cylinder.
7. Refit the piston.
8. Locate a new oil seal.

ASSOCIATED OPERATIONS

- Domestic** Op. 513. Overhaul hydraulic lift control valve gear. (Ops. 512 and 512(a).)
Op. 514 Replace hydraulic ram cylinder and/or piston. (Ops. 512 and 512(b).)
- Export** Op. 500(b). Replace hydraulic ram cylinder and/or piston. (Ops. 512 and 512(b).)
Op. 500-E. Replace hydraulic lift control valve chest assembly. (Op. 512).
Op. 500-F. Overhaul hydraulic lift control valve chest assembly. (Ops. 512 and 512(a).)

Op. 516 REPLACE HYDRAULIC RAM CROSS-SHAFT, BUSHES AND SPACERS AND/OR CRANK ARM AND CONNECTING ROD

1. Remove lift arms.
2. Remove rear cover plate.
3. Remove cross shaft, crank arm, connecting rod, bearings and spacers.
4. Replace cross shaft, crank arm, connecting rod, bearings and spacers.
5. Replace lift arms.
6. Refit cover plate.

ASSOCIATED OPERATIONS

- Export** Op. 500-C. Replace hydraulic ram cross-shaft, bushes and spacers and/or crank arm and connecting rod. (Op. 516.)

Op. 518 INSTALL HYDRAULIC SYSTEM AND LIFT LINKAGE

1. Drain rear transmission oil.
2. Remove seat and top cover.
3. Remove cover plate in base.
4. Install pump pedestal and pump.
5. Install P.T.O. and control lever assembly.
6. Refill transmission with oil.
7. Install ram cylinder, valve gear and top cover assembly.
8. Refit the seat.
9. Test operation of hydraulics.
10. Install lifting link brackets.
11. Install links and rods.
12. Install top lifting link.

Tools used—Trl/MD 994675. Pressure gauge.
Trl/D 994675. Jack tapping adaptor.
Tr/D 994781. Lifting eyebolt.

ASSOCIATED OPERATIONS

- Export** Op. 500-D. Install complete hydraulic system and lift linkage. (Op. 518.)

Op. 520 REPLACE ADJUSTABLE DRAWBAR ASSEMBLY

1. Remove drawbar assembly.
2. Replace drawbar assembly.