

G19 Engine
Safety, Operation, Maintenance
& Parts Manual

065192 Engine Module, LT15G19 rev. G

Safety is our #1 concern!

Form #1743

Used with LT15

rev. E9.00



WARNING! Read and understand this manual before using this machine.

California
Proposition 65 Warning



WARNING: Breathing gas/diesel engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Always start and operate the engine in a well-ventilated area.
If in an enclosed area, vent the exhaust to the outside.
Do not modify or tamper with the exhaust system.
Do not idle the engine except as necessary.

For more information go to **www.P65warnings.ca.gov**.



WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection.

For more information go to **www.P65Warnings.ca.gov/wood**.

Active Patents assigned to Wood-Mizer, LLC

Wood-Mizer, LLC has received patents that protect our inventions which are a result of a dedication to research, innovation, development, and design. Learn more at: woodmizer.com/patents

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YOUR WARRANTY RIGHTS AND OBLIGATIONS

The U.S. EPA, and Wood-Mizer, LLC (Wood-Mizer), are pleased to explain the emission control system's warranty on your 2025 model year small off-road equipment. Wood-Mizer must warrant the evaporative emission control system on your certified equipment model for the period listed below provided there has been no abuse, neglect or improper maintenance of your equipment leading to the failure of the evaporative emission control system.

Your evaporative emission control system may include parts such as: carburetors, fuel tanks, fuel lines (for liquid fuel and fuel vapors), fuel caps, valves, canisters, filters, clamps, connectors, and other associated components.

MANUFACTURER’S WARRANTY COVERAGE

This evaporative emission control system is warranted for two years for U.S. customers. If any evaporative emission-related part on your equipment is defective, the part will be repaired or replaced by Wood-Mizer.

OWNER’S WARRANTY RESPONSIBILITIES

As the certified equipment model owner, you are responsible for the performance of the required maintenance listed in your owner’s manual. Wood-Mizer recommends that you retain all receipts covering maintenance on your equipment, but Wood-Mizer cannot deny warranty coverage solely for the lack of receipts.

As the certified equipment model owner, you should be aware that Wood-Mizer may deny you warranty coverage if your equipment or a part has failed due to abuse, neglect, or improper maintenance or unapproved modifications.

You are responsible for presenting your certified equipment model to a Wood-Mizer location as soon as the problem exists. The approved warranty repairs shall be completed in a reasonable amount of time. If you have any questions regarding your warranty coverage, contact Wood-Mizer LLC by signing into your account on <https://woodmizer.com>, or call: 1-800-525-8100.

| EMISSION WARRANTY PARTS LIST | |
|--|---------------------------------|
| Fuel Tank | Vacuum Control Diaphragms* |
| Fuel Cap | Control Cables* |
| Fuel Lines (for liquid fuel and fuel vapors) | Control Linkages* |
| Fuel Line Fittings | Purge Valves* |
| Clamps* | Gaskets* |
| Pressure Relief Valves* | Liquid/Vapor Separator |
| Control Valves* | Carbon Canister |
| Control Solenoids* | Canister Mounting Brackets |
| Electronic Controls* | Carburetor Purge Port Connector |

*NOTE: As they relate to the evaporative emission control system.

SECTION 1 SAFETY

This manual is provided as a supplement to the equipment manufacturer's manuals.

This manual provides information specific to the use of this equipment on the Wood-Mizer® sawmill. Refer to the sawmill operator's manual and manufacturer's manual before attempting to operate this equipment.

NOTICE Read the sawmill operator's manual and engine manufacturer's manual for instructions and safety precautions before operating this equipment.

The information and instructions given in this manual do not amend or extend the limited warranties for the equipment given at the time of purchase.

Refer to the manufacturer's manual for maintenance intervals and procedures unless otherwise instructed in this manual. Follow the manufacturer's recommendations for dusty conditions.

NOTICE This manual only provides information about additional procedures or procedures to be performed at different time intervals than found in the manufacturer's manuals. Refer to the manufacturer's manual for complete maintenance instructions.



WARNING! Clean sawdust from all guards, vents, control boxes, or any area where sawdust may gather **after every shift**. Failure to do so may result in fire, causing death or serious injury.



1.1 Safety

Use caution when performing maintenance or service to the engine.



DANGER! Take proper protective measures against rotating shafts, pulleys, fans, etc.

Ensure loose clothing or long hair does not engage rotating members.

DANGER! Do not touch or perform service functions on a hot engine. Allow the engine to cool sufficiently before beginning any service function. Hot engine components will cause serious burns.



WARNING! Remove the blade before performing any engine service.

WARNING! Wear eye, hand, and foot protection equipment when performing service functions.

SECTION 2 OPERATION

2.1 Starting The Engine



DANGER! Ensure the blade is disengaged and all persons are out of the path of the blade before starting. Failure to do so will result in death or serious injury.

DANGER! Operate your engine only in well ventilated areas. The exhaust gases of your engine can cause nausea, delirium, and potentially death unless adequate ventilation is present.

DANGER! Never operate an engine with a fuel or oil leak. This is a fire hazard, which may cause serious injury or death.



WARNING! Do not operate engine without proper and operational spark arrester/muffler. Sparks emitted from the engine exhaust could ignite surrounding materials, causing serious injury or death.



CAUTION! EPA Compliant Gas Tanks Only: Always relieve all fuel pressure inside the tank prior to filling or connecting fuel fittings. Failure to do so may result in fuel spillage.

CAUTION! EPA Compliant Gas Tanks Only: Disconnect the fuel tank when not in use, or engine flooding or fuel spillage may result.

1. Close the engine choke by pulling the choke cable knob out.
2. Turn the key switch to the START position and release. Release the key switch to the RUN position after the engine starts.
3. When the engine starts, slowly push the choke cable knob in.

ENGINE SHUTOFF

1. Disengage the clutch handle to stop the blade if necessary.
2. Let the engine run for 15 seconds with no load, then turn the key switch to the OFF position.

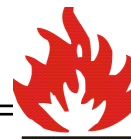
SECTION 3 MAINTENANCE

Refer to the manufacturer's manual for maintenance intervals and procedures unless otherwise instructed in this manual. Follow the manufacturer's recommendations for dusty conditions.

NOTICE This manual only provides information about additional procedures or procedures to be performed at different time intervals than found in the manufacturer's manuals. Refer to the manufacturer's manual for complete maintenance instructions.



WARNING! Clean sawdust from all guards, vents, control boxes, or any area where sawdust may gather **after every shift**. Failure to do so may result in fire, causing death or serious injury.



3.1 Safety

Use caution when performing maintenance or service to the engine.



DANGER! Take proper protective measures against rotating shafts, pulleys, fans, etc.

Ensure loose clothing or long hair does not engage rotating members.

DANGER! Do not touch or perform service functions on a hot engine. Allow the engine to cool sufficiently before beginning any service function. Hot engine components will cause serious burns.



WARNING! Remove the blade before performing any engine service.

WARNING! Wear eye, hand, and foot protection equipment when performing service functions.

3.2 Cooling System

Wash the engine or brush off sawdust and debris every 50 hours of operation.

Clean the grass screen, cooling fins, and external surfaces.

Remove any dust, dirt, or oil.

See engine manual for further instructions.

3.3 Air Filter & Pre-Cleaner



WARNING! Always wear proper safety equipment when performing service functions, including eye protection, breathing protection, hand protection and foot protection.

Service the pre-cleaner every four hours of operation by gently shaking excess sawdust and debris from the foam piece.

Clean the air filter (air cleaner element) and pre-cleaner (element wrapper) every eight hours of operation.

Replace the air filter (cleaner) every 200 hours of operation.

Replace the pre-cleaner (element wrapper) every 2000 hours of operation.

See the engine manual for further instructions.

3.4 Fuel Filter

Replace the fuel filter every 100 hours of operation or as required for engine performance.

3.5 Battery

Check the battery electrolyte level every 50 hours of operation. See manufacturer's manual for instructions.



DANGER! Batteries expel explosive gases.

Keep sparks, flames, burning cigarettes, or other ignition sources away at all times.

Wear a face shield when working on batteries.



WARNING! Battery posts, terminals and related accessories contain lead and lead compounds. Wash hands after handling.

3.6 Miscellaneous Maintenance

Inspect the spark plugs every 100 hours of operation. Remove any deposits and adjust gap if necessary. See engine manual for further information.

Review the manufacturer's engine manual for maintenance intervals.

3.7 RPM Adjustments



WARNING! Remove the blade before performing any engine service. Failure to do so may result in serious injury.

Check the RPM with a tachometer every 200 hours of operation.

| Engine | High End RPM | Low End RPM |
|--------|--------------|-------------|
| G19 | 3750 | 1800 |

TABLE 3-1

Before checking the RPM, make sure belt and brake strap tensions are correct (See Sawmill Maintenance). Also check oil, fuel, and coolant levels.

Check that the cable spring, cable guide, cable, and throttle brackets are aligned.

NOTE: It is important that the above components are aligned. Proper alignment allows any slack in the cable (when engine is idling) to slide down into the cable spring. This maintains free operation of the cable and prevents the cable from kinking. Make sure the shoulder bolt does not rub against the crankcase vent tube.

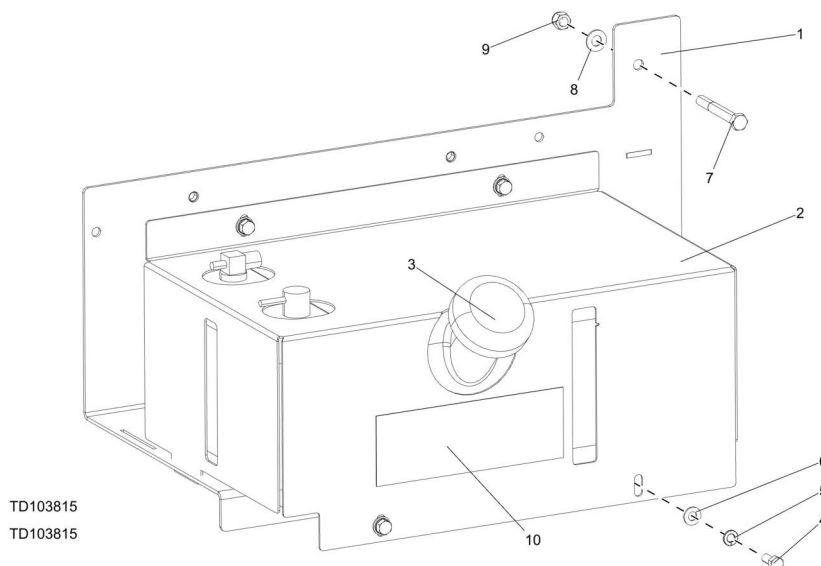
1. Start the engine to measure the low-end RPM.
2. Refer to the engine manual to adjust the low-end RPM.
3. Engage the clutch handle to throttle the engine and measure the high-end RPM. The high-end RPM is factory-set at 3750. Readjust the throttle cable if necessary to increase or reduce the high-end engine speed.

The throttle cable should be tensioned just enough so that the engine revs as soon as the clutch/brake handle is engaged.

NOTE: A properly adjusted throttle will extend the cable spring 1/4" to 3/8" (6.4 - 9.5 mm) when running and have a slight amount of slack in the cable when idling.

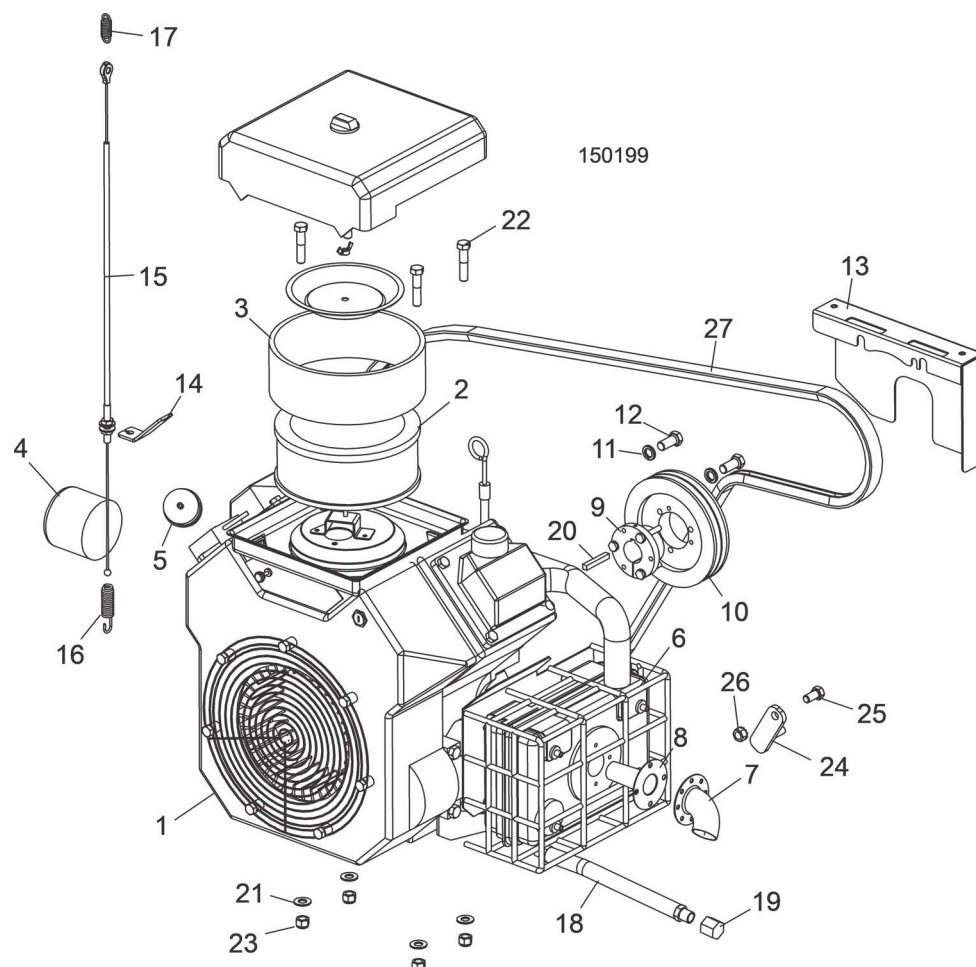
SECTION 4 REPLACEMENT PARTS

4.1 Fuel Tank



| REF | PART # | DESCRIPTION | COMMENTS | QTY. |
|-----|------------|-------------------------------------|--|-------|
| | 103815 | TRAY ASSEMBLY, LT15 FUEL TANK | | 1 |
| 1 | 103802 | Weldment, Fuel Tank Tray | | 1 |
| 2 | 103867 | Cover, Fuel Tank | | 1 |
| 3 | 103878 | Tank, 5 Gallon Low Pro EPA Fuel | Created service part 074943 Fuel Pick-Up with Shut-Off Fitting. | 1 |
| | 061250 | Grommet, Shut Off | | 1 |
| | 061251 | Gas Cap, LT15 | | 1 |
| | 061252 | Valve, Slosh | | 1 |
| | 061253 | Grommet, Slosh Valve | | 1 |
| | 074943 | Fitting, Fuel Pick-Up With Shut-Off | | 1 |
| 4 | F05006-102 | Bolt, 5/16-18x3/4 HH Gr5 Zinc | | 4 |
| 5 | F05011-13 | Washer, 5/16 Split Lock | | 4 |
| 6 | F05011-17 | Washer, 5/16 SAE Flat | | 4 |
| 7 | F05007-73 | Bolt, 3/8-16 x 3" Hex Head Grade 5 | | 2 |
| 8 | F05010-10 | Nut, 3/8-16 Hex Nyloc | | 2 |
| 9 | F05011-3 | Washer, 3/8" Flat SAE | | 2 |
| 10 | 133825 | Decal, Fuel Warning | | 1 |
| | R02423-1 | Hose, Fuel 3/16" EPA 15G CARB | | 8 Ft. |
| | R02423-2 | Hose, Fuel 1/4" EPA 15G CARB | | 8 Ft. |

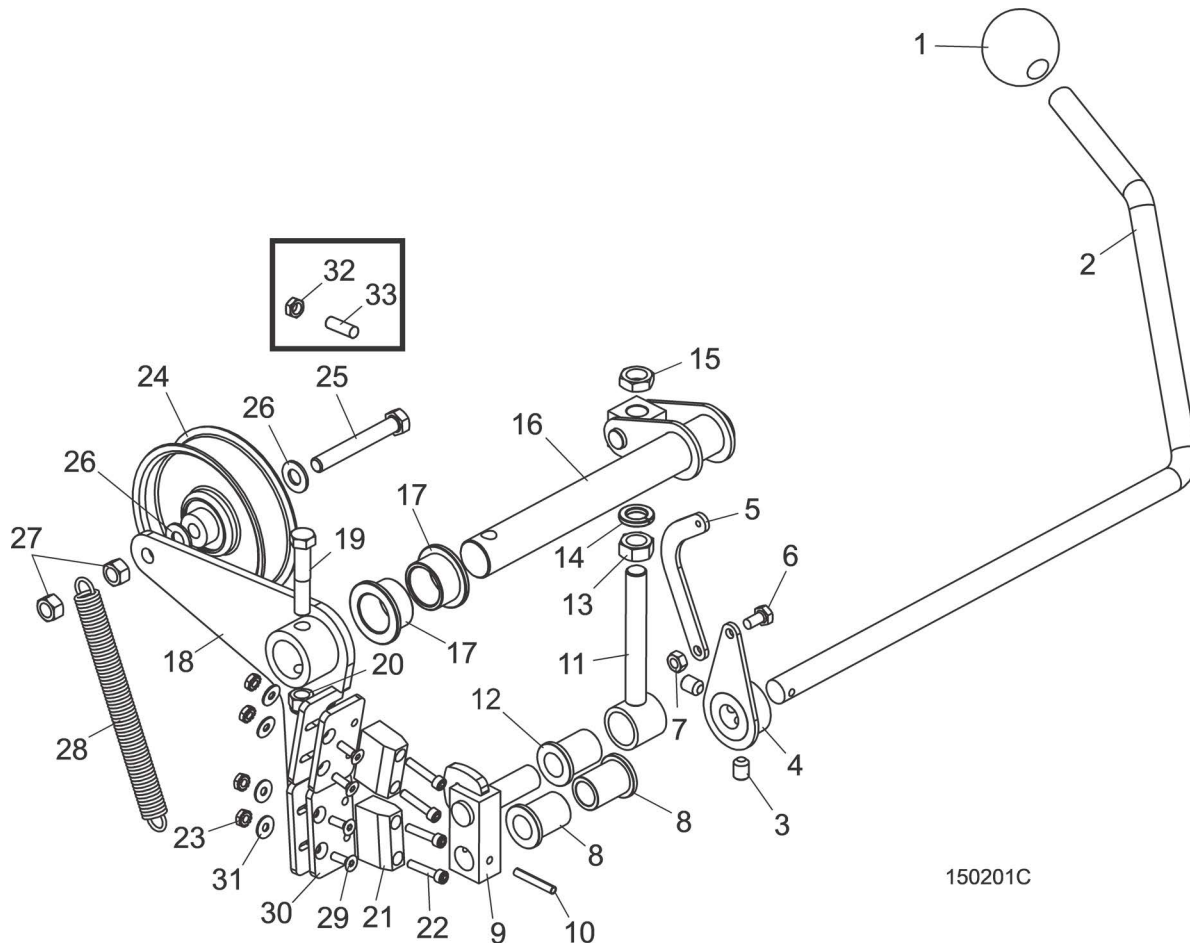
4.2 Engine Assembly



| REF | PART # | DESCRIPTION | COMMENTS | QTY. |
|-----|------------|--|----------|------|
| | 065191 | Engine Assembly, LT15 G19 | | 1 |
| 1 | 016899 | Engine, 19HP Kohler CH620-3088 | | 1 |
| 2 | 141022 | Filter, 19hp Kohler Air&PreClnr Kit | | 1 |
| | 061371 | Starter, Kohler Engine KH# 25 098 21S | | 1 |
| | 061417 | Plug Spark, Kohler RFI #25 132 14-S | | 2 |
| | P12757 | Plug, RC12YC Kohler Spark #12-132-02 | | 2 |
| | 061370 | Module Kit, Kohler Ignition #KH24 584 45S (Qty. 2) | | 1 |
| | 048391 | Pump, Kohler Fuel #24-393-16S | | 1 |
| | 061150 | Switch, Kohler Ignition #25-099-37S | | 1 |
| 3 | 065264 | Filter, Kohler Oil #12 050 01S | | 1 |
| 4 | P12758 | Filter, Kohler Fuel #24-050-13 | | 1 |
| 5 | 065193 | Muffler Assembly, Kohler | | 1 |
| 6 | 016496 | Deflector, Kohler Muffler #12-755-28 | | 1 |
| 7 | 016495 | Arrestor, Kohler Spark #12-189-02 | | 1 |
| 8 | 038432 | Bushing, 1 1/8" SH | | 1 |
| 9 | 047742 | Pulley, 3V5.6 x 2" SH | | 1 |
| 10 | F05011-48 | Washer, 7/16" Split Lock | | 2 |
| 11 | F05007-145 | Bolt, 7/16-14 x 1" Hex Head Grade 5 | | 2 |
| 12 | 016493 | Plate, Engine Guard | | 1 |

| REF | PART # | DESCRIPTION | COMMENTS | QTY. |
|-----|------------|---|----------|------|
| 13 | 047750 | Plate, Throttle Cable Mount | | 1 |
| 14 | 047749 | Cable, LT15 G25 Throttle | | 1 |
| 15 | 016033 | Spring, Throttle | | 1 |
| 16 | 015952 | Spring, Throttle Extension | | 1 |
| 17 | P10082 | Hose, 3/8" NPT Oil Drain | | 1 |
| 18 | P04332 | Cap, Oil Drain Hose | | 1 |
| 19 | S04124 | Key, 1/4" x 1 11/16" | | 1 |
| | 024718 | Harness, Battery To Engine (not shown) | | 1 |
| 20 | F05011-3 | WASHER, 3/8" SAE FLAT | | 4 |
| 21 | F05007-119 | Bolt, 3/8-16 x 1 3/4" Hex Head Grade 5 | | 4 |
| 22 | F05010-10 | Nut, 3/8-16 Hex Nylon Lock | | 4 |
| 23 | 048237 | Support Weldment, Drive Belt | | 1 |
| 24 | F05007-118 | Bolt, 3/8-16 x 3/4" Hex Head Grade 5 | | 1 |
| 25 | F05010-19 | Nut, 3/8-16 Self-Locking Hex | | 1 |
| 26 | 047751 | Belt, 2/3VFL900 Drive | | 1 |
| | 065379 | CONVERSION KIT, LT15G15 TO G18 (REQ'D TO CONVERT FROM G15 TO G18) | | 1 |
| | 036657 | Wheel Assembly, LT15 3V Drive | | 1 |
| | 065191 | Engine Assembly, LT15 Gas 18hp | | 1 |
| | 047744 | Tray Assembly, LT15 Water Bottle | | 1 |
| | 047751 | Belt, 2/3VFL900 Drive | | 1 |
| | 048237 | Support Weldment, LT15G25 Belt | | 1 |
| | F05007-118 | Bolt, 3/8-16 x 3/4" Hex Head Grade 5 | | 1 |
| | F05010-19 | Nut, 3/8-16 Keps | | 1 |
| | F05015-1 | Bolt, 1/4-20 x 1/2" Self Tap Hex Head | | 2 |
| | P07584 | Clamp, 1/2" EMT Coated | | 2 |
| | F05010-10 | Nut, 3/8-16 Hex Nyloc | | 4 |
| | 038871 | Reduction Kit, LT15 Up/Dn | | 1 |
| | 061325 | CARB KIT, G25 DE-ICING 24 755 68S | | 1 |

4.3 Throttle Assembly



| REF | PART # | DESCRIPTION | COMMENTS | QTY. |
|-----|-----------|---|----------|------|
| 1 | P04211 | KNOB, 5/8-11 BALL | | 1 |
| 2 | 016487 | HANDLE, LT15 CLUTCH | | 1 |
| 3 | F05007-68 | SCREW, 3/8-16 X 3/8 SOCKET HEAD CUP PT SET | | 2 |
| 4 | 034815 | ACTUATOR WELDMENT, THROTTLE LT15D&G | | 1 |
| 5 | 034818 | LINKAGE, THROTTLE LT15D&G | | 1 |
| 6 | F05005-15 | BOLT, 1/4-20 X 1/2" HEX HEAD | | 1 |
| 7 | F05010-21 | NUT, 1/4-20 SWAGED | | 1 |
| 8 | 016486 | BUSHING, 5/8" ID X 7/8" OD X 1 1/8" LONG FLANGED BRONZE | | 2 |
| 9 | 065572 | BLOCK WELDMENT, LINKAGE CLUTCH/BRAKE | | 1 |
| 10 | F05012-16 | PIN, 3/16 X 1 1/4 ROLL | | 1 |
| 11 | 034605 | LINKAGE ASSEMBLY, W/BEARING | | 1 |
| 12 | 016486 | Bushing, 5/8" ID x 7/8" OD x 1 1/8" Long Flanged Bronze | | 1 |
| 13 | F05010-35 | NUT, 1/2-13 FREE HEX, ZINC | | 1 |
| 14 | F05011-9 | WASHER, 1/2 SPLIT LOCK | | 1 |
| 15 | F05010-31 | NUT, 1/2-13 JAM | | 1 |
| 16 | 034608 | PIVOT WELDMENT, CLUTCH/BRAKE | | 1 |

| REF | PART # | DESCRIPTION | COMMENTS | QTY. |
|-----|------------|--|----------|------|
| 17 | P737 | BUSHING, 1 X 1 1/4 X 3/4 FLG BRONZE | | 2 |
| | 065874 | BRAKE/CLUTCH ASSEMBLY, LT15 | | 1 |
| 18 | 065873 | Arm Weldment, Clutch/Brake LT15 | | 1 |
| 19 | F05007-124 | Bolt, 3/8-16 x 2 Hex Head Gr5 | | 1 |
| 20 | F05010-10 | Nut, 3/8-16 Hex Nylon Lock | | 1 |
| 21 | 016488 | Block, LT15 Brake | | 2 |
| 22 | F05004-2 | Screw, 10-24 x 1" Socket Head | | 4 |
| 23 | F05010-14 | Nut, #10-24 Keps | | 8 |
| 24 | 034602 | Idler, 4" O.D. x 3/8 Bore | | 1 |
| 25 | F05007-230 | Bolt, 3/8-16 x 2-3/4" Hex Head Gr5 Full Thread | | 1 |
| 26 | F05011-3 | Washer, 3/8 Flat | | 2 |
| 27 | F05010-25 | Nut, 3/8-16 Swaged Lock | | 2 |
| 28 | 034810 | Spring, Idler Arm LT15/D/E/G | | 1 |
| 29 | F05004-282 | Screw, 10-24 x 5/8" FSHC | | 4 |
| 30 | 065872 | Plate, Brake Adjustment | | 2 |
| 31 | F05011-18 | Washer, #10 SAE Flat | | 4 |
| 32 | F05010-29 | NUT, 3/8-16 JAM | | 2 |
| 33 | F05007-18 | SCREW, 3/8-16X1 1/4 SHOP SET | | 2 |