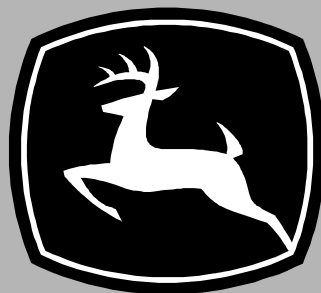


JOHN DEERE
WORLDWIDE COMMERCIAL & CONSUMER
EQUIPMENT DIVISION

LE Series Trimmers and Edgers

TM2189 AUGUST 2007

TECHNICAL MANUAL



JOHN DEERE

North American Version
Litho in U.S.A.

INTRODUCTION

Manual Description

This technical manual is written for an experienced technician and contains sections that are specifically for this product. It is a part of a total product support program.

The manual is organized so that all the information on a particular system is kept together. The order of grouping is as follows:

- Table of Contents
- Specifications and Information
- Identification Numbers
- Tools and Materials
- Component Location
- Schematics and Harnesses
- Theory of Operation
- Operation and Diagnostics
- Diagnostics
- Tests and Adjustments
- Repair
- Other

NOTE: Depending on the particular section or system being covered, not all of the above groups may be used.

The bleed tabs for the pages of each section will align with the sections listed on this page. Page numbering is consecutive from the beginning of the Safety section through the last section.

We appreciate your input on this manual. If you find any errors or want to comment on the layout of the manual please contact us.

Safety

Specifications and Information

Engine

Miscellaneous

All information, illustrations and specifications in this manual are based on the latest information at the time of publication. The right is reserved to make changes at any time without notice.

COPYRIGHT© 2007
Deere & Co.
John Deere Worldwide Commercial and
Consumer Equipment Division
All rights reserved
Previous Editions
COPYRIGHT© 2006

**Thanks very much for your reading,
Want to get more information,
Please click here, Then get the complete
manual**

JustClickHere 

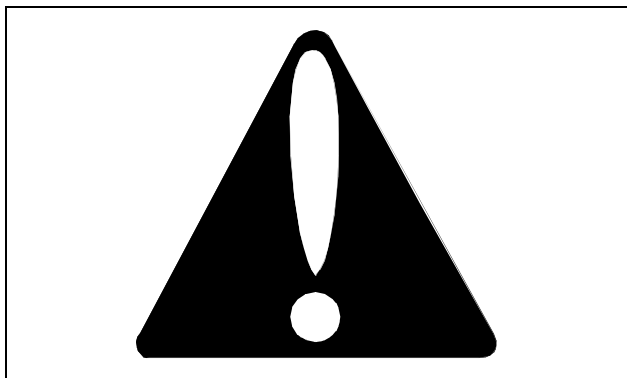
NOTE:

**If there is no response to click on the link above,
please download the PDF document first, and then
click on it.**

**Have any questions please write to me:
admin@servicemanualperfect.com**

SAFETY

Recognize Safety Information



This is the safety-alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury.

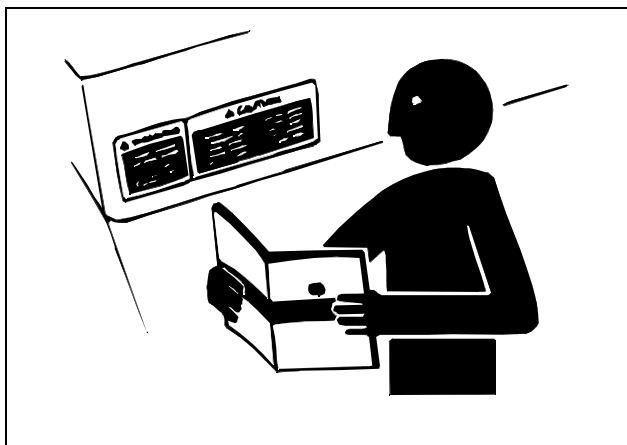
Follow recommended precautions and safe servicing practices.

Understand Signal Words

A signal word - DANGER, WARNING, or CAUTION - is used with the safety-alert symbol. DANGER identifies the most serious hazards.

DANGER or WARNING safety signs are located near specific hazards. General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.

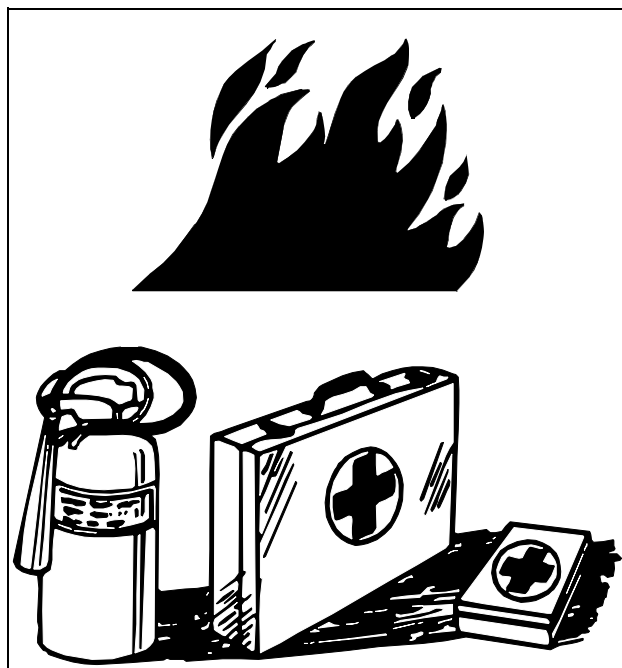
Replace Safety Signs



Replace missing or damaged safety signs. See the machine operator's manual for correct safety sign placement.

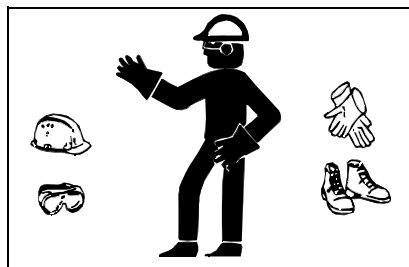
Handle Fluids Safely - Avoid Fires

Be Prepared For Emergencies



- When you work around fuel, do not smoke or work near heaters or other fire hazards.
- Store flammable fluids away from fire hazards. Do not incinerate or puncture pressurized containers.
- Make sure machine is clean of trash, grease, and debris.
- Do not store oily rags; they can ignite and burn spontaneously.
- Be prepared if a fire starts.
- Keep a first aid kit and fire extinguisher handy.
- Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.

Wear Protective Clothing



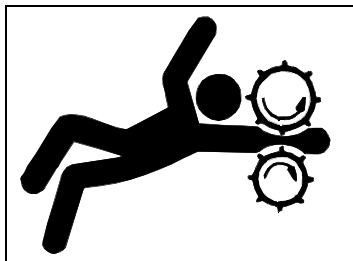
Wear close fitting clothing and safety equipment appropriate to the job.

SAFETY

Prolonged exposure to loud noise can cause impairment or loss of hearing. Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.

Operating equipment safely requires the full attention of the operator. Do not wear radio or music headphones while operating machine.

Service Machines Safely



Tie long hair behind your head. Do not wear a necktie, scarf, loose clothing, or necklace when you work near machine tools or moving parts. If these items were to get caught, severe injury could result.

Remove rings and other jewelry to prevent electrical shorts and entanglement in moving parts.

Use Proper Tools

Use tools appropriate to the work. Makeshift tools and procedures can create safety hazards. Use power tools only to loosen threaded parts and fasteners. For loosening and tightening hardware, use the correct size tools. **DO NOT** use U.S. measurement tools on metric fasteners. Avoid bodily injury caused by slipping wrenches. Use only service parts meeting John Deere specifications.

Before working on the machine:

1. Lower all equipment to the ground.
2. Stop the engine
3. Remove spark plug to prevent accidental starting.

Work In Clean Area

Before starting a job:

1. Clean work area and machine.
2. Make sure you have all necessary tools to do your job.
3. Have the right parts on hand.
4. Read all instructions thoroughly; do not attempt shortcuts.

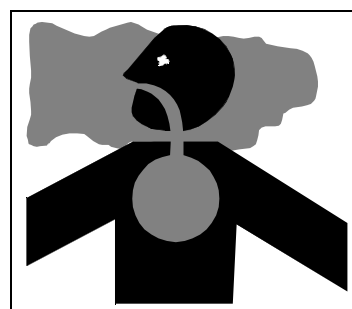
Using High Pressure Washers

Directing pressurized water at electronic/electrical components or connectors, bearings, hydraulic seals, fuel injection pumps or other sensitive parts and components may cause product malfunctions. Reduce pressure and spray at a 45 to 90 degree angle.

Illuminate Work Area Safely

Illuminate your work area adequately but safely. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.

Work In Ventilated Area



Engine exhaust fumes can cause sickness or death. If it is necessary to run an engine in an enclosed area, remove the exhaust fumes from the area by opening doors to get outside air into the area.

Warning: California Proposition 65 Warning

Gasoline engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Remove Paint Before Welding or Heating

Avoid potentially toxic fumes and dust. Hazardous fumes can be generated when paint is heated by welding, soldering, or using a torch. Do all work outside or in a well ventilated area. Dispose of paint and solvent properly. Remove paint before welding or heating: If you sand or grind paint, avoid breathing the dust. Wear an approved respirator. If you use solvent or paint stripper, remove stripper with soap and water before welding. Remove solvent or paint stripper containers and other flammable material from area. Allow fumes to disperse at least 15 minutes before welding or heating.

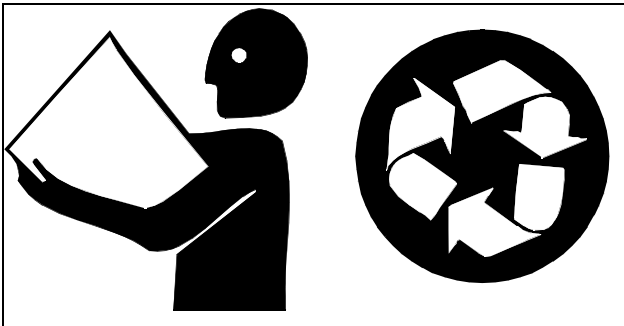
SAFETY

Avoid Injury From Rotating Blades



Keep hands and feet away while machine is running. Shut off power to service, lubricate, or remove blades, attachments, or strings.

Handle Chemical Products Safely



Direct exposure to hazardous chemicals can cause serious injury. Potentially hazardous chemicals used with John Deere equipment include such items as lubricants, coolants, paints, and adhesives.

A Material Safety Data Sheet (MSDS) provides specific details on chemical products: physical and health hazards, safety procedures, and emergency response techniques. Check the MSDS before you start any job using a hazardous chemical. That way you will know exactly what the risks are and how to do the job safely. Then follow procedures and recommended equipment.

Dispose of Waste Properly

Improperly disposing of waste can threaten the environment and ecology. Potentially harmful waste used with John Deere equipment include such items as oil, fuel, coolant, brake fluid, filters, and batteries. Use leakproof containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them. Do not pour waste onto the ground, down a drain, or into any water source. Inquire on the proper way to recycle or dispose of waste from your local environmental or recycling center, or from your John Deere dealer.

Live With Safety



Before returning machine to customer, make sure machine is functioning properly, especially the safety systems. Install all guards and shields.

SAFETY

SPECIFICATIONS AND INFORMATION TABLE OF CONTENTS

Table of Contents

Fastener Torques	7
Metric Fasteners.....	7
General Information	8
2-Cycle Engines	8
Gasoline Storage.....	9
2-Cycle Gasoline Engine Oil	9
Alternative Lubricants.....	9
Synthetic Lubricants	9
Mixing Of Lubricants.....	10


























SPECIFICATIONS AND INFORMATION TABLE OF CONTENTS



SPECIFICATIONS AND INFORMATION FASTENER TORQUES

Fastener Torques

Metric Fasteners

Property Class and Head Markings	<p>4.8</p>   	<p>8.8 9.8</p>    	<p>10.9</p>  	<p>12.9</p>    
Property Class and Nut Markings	<p>5</p>   	<p>10</p>   	<p>10</p>   	<p>12</p>   

Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical grade.

Fasteners should be replaced with the same grade. Make sure fastener threads are clean and that you properly start thread engagement. This will prevent them from failing when tightening.

When bolt and nut combination fasteners are used, torque values should be applied to the NUT instead of the bolt head.

Tighten toothed or serrated-type lock nuts to the full torque value.

SPECIFICATIONS AND INFORMATION GENERAL INFORMATION

General Information

2-Cycle Engines

CAUTION: Avoid Injury! Gasoline is HIGHLY FLAMMABLE, handle it with care. DO NOT refuel machine while:

- indoors, always fill gas tank outdoors;
- machine is near an open flame or sparks;
- engine is running, STOP engine;
- engine is hot, allow it to cool sufficiently first;
- smoking.

Help prevent fires:

- fill gas tank to bottom of filler neck only;
- be sure fill cap is tight after fueling;
- keep machine clean and in good repair-free of excess grease, oil, debris, and faulty or damaged parts;
- clean up any gas spills IMMEDIATELY;
- any storage of machines with gas left in tank should be in an area that is well ventilated to prevent possible igniting of fumes by an open flame or spark, this includes any appliance with a pilot light.

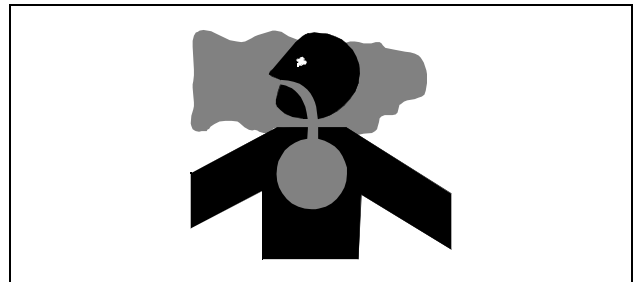
To prevent fire or explosion caused by STATIC ELECTRIC DISCHARGE during fueling:

- ONLY use a clean, approved POLYETHYLENE PLASTIC fuel container and funnel WITHOUT any metal screen or filter.

To avoid engine damage:

CAUTION: Avoid injury! California Proposition 65 Warning: Gasoline engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

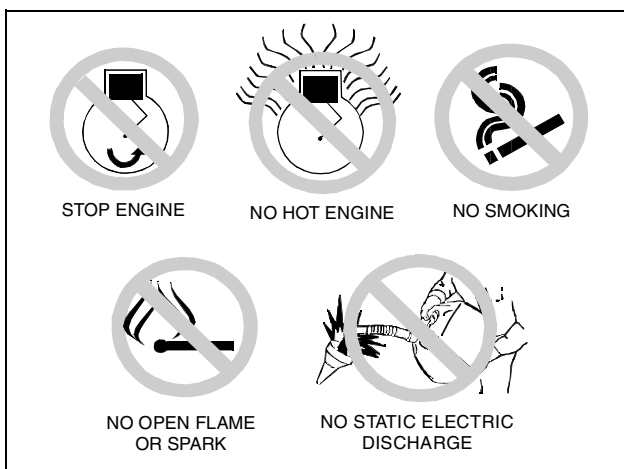
CAUTION: Avoid Injury! DO NOT use METHANOL gasoline because METHANOL is harmful to the environment and to your health.



- ONLY use fresh, clean, unleaded gasoline with an octane rating (anti-knock index) of 87 or higher;
- Mix in John Deere Premium 2-Cycle Engine Oil or its equivalent using a 50:1 fuel/oil mixture (see 2-Cycle Gasoline Engine Oil in this section).

Use of alternative oxygenated, gasohol blended, unleaded gasoline is acceptable as long as:

- the ethyl or grain alcohol blends DO NOT exceed 10% by volume or
- methyl tertiary butyl ether (MTBE) blends DO NOT exceed 15% by volume.



SPECIFICATIONS AND INFORMATION GENERAL INFORMATION

Gasoline Storage

IMPORTANT: Avoid damage! Keep all dirt, scale, water or other foreign material out of gasoline.

Keep gasoline stored in a safe, protected area. Storage of gasoline in a clean, properly marked ("UNLEADED GASOLINE") POLYETHYLENE PLASTIC container WITHOUT any metal screen or filter is recommended. DO NOT use de-icers to attempt to remove water from gasoline or depend on fuel filters to remove water from gasoline. Use a water separator installed in the storage tank outlet. BE SURE to properly discard unstable or contaminated gasoline. When storing machine or gasoline, it is recommended that you add **John Deere Gasoline Conditioner and Stabilizer** or an equivalent to the gasoline. BE SURE to follow directions on container and to properly discard empty container.

2-Cycle Gasoline Engine Oil

NOTE: John Deere fuel mix contains a fuel stabilizer and will stay fresh up to 30 days. Do not mix quantities larger than usable in a 30-day period.

This machine is powered by a 2-cycle engine and requires pre-mixing unleaded gasoline and 2-cycle engine oil. Premix the gasoline and engine oil thoroughly in a clean container approved for gasoline.

Use unleaded gasoline intended for automotive use with an octane rating of 87 or higher.

IMPORTANT: Avoid damage! Mix unleaded gasoline (87 octane or higher) and John Deere Premium 2-Cycle Engine Oil to a 50:1 ratio:

- 50:1 ratio 3.8 L (1 U.S. gal) gasoline to 77 ml (2.6 oz) oil.
- 50:1 ratio 4.5 L (1 Imperial gal) gasoline to 89 ml (3.0 oz) oil.

The engine on these models requires the use of John Deere Premium 2- Cycle Engine Oil.

The following John Deere oil is preferred:

- UP08138 (2.6 oz.)
- UP08140 (6.4 oz.)
- UP08127 (16 oz.)

This oil contains stabilizers. This oil meets and exceeds ISO L-EGD, JASO FC and API TC specifications.

The engine was designed to reach its optimal performance output, maximum endurance, and minimum preventive maintenance by using this oil.

IMPORTANT: Avoid damage! Do not use automotive oil, 2-cycle outboard oil or any 2-cycle oil that does not meet or exceed ISO L-EGD, JASO FC and API TC specifications.

Do not use pre-mixed gasoline from fuel service stations intended for use in mopeds, motorcycles, etc.

If John Deere Premium 2-Cycle Oil is not available at your dealership, use any brand of premium 2-cycle engine oil classified as grade ISO-L-EGD, or JASO-FC, or API TC.

Using any other oil will shorten the engine life and increase the required maintenance. The warranty might also be voided by using a lower quality oil.

Alternative Lubricants

IMPORTANT: Avoid damage! Use of alternative lubricants could cause reduced life of the component or void the warranty.

Conditions in certain geographical areas outside the United States and Canada may require different lubricant recommendations than the ones printed in this technical manual or the operator's manual. Consult with your John Deere Dealer, or Sales Branch, to obtain the alternative lubricant recommendations.

Synthetic Lubricants

Synthetic lubricants may be used in John Deere equipment if they meet the applicable performance requirements (industry classification and/or military specification) as shown in this manual.

The recommended air temperature limits and service or lubricant change intervals should be maintained as shown in the operator's manual, unless otherwise stated on lubricant label.

In general, avoid mixing different brands, grades or types of lubricants. Manufacturers blend additives in their lubricants to meet certain specifications and performance requirements. Mixing different lubricants can interfere with the proper functioning of these additives and lubricant properties which will downgrade their intended specified performance.

SPECIFICATIONS AND INFORMATION GENERAL INFORMATION

Mixing Of Lubricants

In general, avoid mixing different brands, grades or types of lubricants. Manufacturers blend additives in their lubricants to meet certain specifications and performance requirements. Mixing different lubricants can interfere with the proper functioning of these additives and lubricant properties which will downgrade their intended specified performance.

ENGINE - GAS TABLE OF CONTENTS

Table of Contents

Specifications	13
Engines	13
Electrical.....	15
Fuel System	16
Clutch	16
Torque Specifications.....	17
Other Materials.....	17
Diagnostics	18
Troubleshooting.....	18
Tests and Adjustments	19
Ignition Output Test.....	19
Compression Test	19
Fuel Pump and Fuel Line Integrity Test	20
Pressure Testing The Carburetor.....	20
Fuel Tank Inspection.....	20
Spark Plug Gap	21
Ignition Switch Test	21
Ignition Air Gap Adjustment.....	22
Throttle Cable Adjustments	22
Carburetor Adjustments	23
Repair.....	23
Air Cleaner Housing Removal and Installation	23
Carburetor and Heat Dam Removal and Installation (Includes Reed Valve).....	23
Muffler Removal and Installation	24
Ignition Switch Removal and Installation.....	25
Starter Removal, Disassembly, and Assembly.....	26
Clutch Removal and Installation.....	28
Engine Disassembly.....	29
Piston And Crankshaft Inspection	30
Engine Assembly.....	31

ENGINE - GAS TABLE OF CONTENTS



ENGINE - GAS SPECIFICATIONS

Specifications

Engines

Engine Model and Displacement:

TLE20FD - T105CLE, T105SLE, XT105SBLE, LT105CLE, LT105SLE	19.8 cc (1.21 cu in.)
TLE23FD - XT120LE	22.6 cc (1.38 cu in.)
TLE26FD - XT140LE, XT140SBLE, XT140SELE	25.6 cc (1.56 cu in.)
TLE33FD - XT170LE	32.6 cc (2.0 cu in.)
TLE43FD - XT250BLE	42.7 cc (2.61 cu in.)

General Specifications:

Starting System	Recoil Starter
Air Cleaner	Foam Element Type

T105LE, T105SLE, XT105SBLE, LT105CLE, LT105SLE:

Cylinder Bore Diameter	30 mm (1.181 in.)
Cylinder Bore Allowable Limit	Until Plating Peels
Stroke	28 mm (1.10 in.)
Piston Outer Diameter	29.98 - 29.96 mm (1.180 in.)
Piston to Cylinder Clearance	0.03 - 0.06 (0.10 max) mm (0.001 - 0.002 [0.004 max] in.)
Piston Pin Hole Diameter	7.00 - 6.99 mm (0.276 in.)
Piston Pin Outer Diameter	6.99 mm (0.275 in.)
Piston Pin Hole to Piston Pin Clearance	0.01 - 0.02 (0.05 max) mm (0.001 [0.002 max] in.)
Piston Ring Groove Clearance	0.02 - 0.06 (0.15 max) mm (0.001 - 0.002 [0.006 max] in.)
Piston Ring End Gap	0.1 - 0.3 (0.7 max) mm (0.004 - 0.012 [0.028 max] in.)
Connecting Rod to Crankshaft Clearance	0.01 - 0.03 (0.05 max) mm (0.001 [0.002 max] in.)
Connecting Rod to Piston Pin Clearance	0.01 - 0.03 (0.05 max) mm (0.001 [0.002 max] in.)
Crankshaft Axial Play	0.02 - 0.30 (0.5 max) mm (0.001 - 0.012 [0.020 max] in.)
Connecting Rod to Crankshaft Counterweight Clearance	0.16 - 0.35 (0.55 max) mm (0.006 - 0.014 [0.022 max] in.)
Crankshaft Journal Diameter	10.00 - 9.98 mm (0.394 - 0.393 in.)
Crankshaft Main Bearing Clearance	0.01 - 0.02 (0.05 max) mm (0.001 [0.002 max] in.)
Crankshaft End Runout	0.05 (0.06 max) mm (0.002 [0.002 max] in.)

ENGINE - GAS SPECIFICATIONS

XT120LE:

Cylinder Bore Diameter	31 mm (1.220 in.)
Cylinder Bore Allowable Limit	Until Plating Peels
Stroke	30 mm (1.181 in.)
Piston Outer Diameter	30.98 - 30.96 mm (1.219 in.)
Piston to Cylinder Clearance	0.03 - 0.06 (0.10 max) mm (0.001 - 0.002 [0.004 max] in.)
Piston Pin Hole Diameter	8.00 - 7.99 mm (0.314 - 0.315 in.)
Piston Pin Outer Diameter	7.99 mm (0.315 in.)
Piston Pin Hole to Piston Pin Clearance	0.01 - 0.02 (0.05 max) mm (0.001 [0.002 max] in.)
Piston Ring Groove Clearance	0.02 - 0.06 mm (0.001 - 0.002 in.)
Piston Ring End Gap	0.1 - 0.3 (0.7 max) mm (0.004 - 0.012 [0.028 max] in.)
Connecting Rod to Crankshaft Clearance	0.01 - 0.03 (0.05 max) mm (0.001 [0.002 max] in.)
Connecting Rod to Piston Pin Clearance	0.01 - 0.02 (0.05 max) mm (0.001 [0.002 max] in.)
Connecting Rod to Crankshaft Counterweight Clearance	0.16 - 0.35 (0.55 max) mm (0.006 - 0.014 [0.022 max] in.)
Crankshaft Axial Play	0.02 - 0.30 (0.50 max) mm (0.001 - 0.012 [0.020 max] in.)
Crankshaft Journal Diameter	12.00 - 11.98 mm (0.472 in.)
Crankshaft Main Bearing Clearance	0.01 - 0.02 (0.05 max) mm (0.001 [0.002 max] in.)
Crankshaft End Runout	0.05 (0.06 max) mm (0.002 [0.002 max] in.)

XT140LE, XT140SBLE, XT140SELE:

Cylinder Bore Diameter	33 mm (1.299 in.)
Cylinder Bore Allowable Limit	Until Plating Peels
Stroke	30 mm (1.181 in.)
Piston Outer Diameter	32.98 - 32.96 mm (1.298 in.)
Piston to Cylinder Bore Clearance	0.03 - 0.06 (0.10 max) mm (0.001 - 0.002 [0.004 max] in.)
Piston Pin Hole Diameter	8.00 - 7.99 mm (0.314 - 0.315 in.)
Piston Pin Outer Diameter	7.99 mm (0.315 in.)
Piston Hole to Piston Pin Clearance	0.01 (0.05 max) mm (0.001 [0.002 max] in.)
Piston Ring Groove Clearance	0.03 - 0.06 (0.10 max) mm (0.001 - 0.002 [0.004 max] in.)
Piston Ring End Gap	0.10 - 0.30 (0.7 max) mm (0.004 - 0.012 [0.028 max] in.)
Connecting Rod to Crankshaft Clearance	0.01 - 0.03 (0.05 max) mm (0.001 [0.002 max] in.)
Connecting Rod to Piston Pin Clearance	0.01 - 0.03 (0.05 max) mm (0.001 [0.002 max] in.)
Connecting Rod to Crankshaft Counterweight Clearance	0.16 - 0.35 (0.55 max) mm (0.006 - 0.014 [0.022 max] in.)
Crankshaft Axial Play	0.01 - 0.03 (0.05 max) mm (0.001 [0.002 max] in.)
Crankshaft Journal Diameter	12.00 - 11.98 mm (0.472 in.)
Crankshaft Main Bearing Clearance	0.01 - 0.02 (0.05 max) mm (0.001 [0.002 max] in.)
Crankshaft End Runout	0.05 (0.06 max) mm (0.002 [0.002 max] in.)

XT170LE:

Cylinder Bore Diameter	36 mm (1.417 in.)
Cylinder Bore Allowable Limit	Until Plating Peels
Stroke	32 mm (1.260 in.)
Piston Outer Diameter	35.97 - 35.95 mm (1.416 - 1.415 in.)

ENGINE - GAS SPECIFICATIONS

Piston to Cylinder Bore Clearance	0.04 - 0.07 (0.10 max) mm (0.001 - 0.003 [0.004 max] in.)
Piston Hole Diameter	9.00 - 8.99 mm (0.354 in.)
Piston Pin Outer Diameter	8.99 mm (0.354 in.)
Piston Pin Hole to Piston Pin Clearance	0.01 - 0.02 (0.05 max) mm (0.001 [0.002 max] in.)
Piston Ring Groove Clearance	0.1 - 0.3 mm (0.004 - 0.012 in.)
Piston Ring End Gap	0.10 - 0.30 (0.7 max) mm (0.004 - 0.012 [0.028 max] in.)
Connecting Rod to Crankshaft Clearance	0.01 - 0.35 (0.03 max) mm (0.001 [0.002 max] in.)
Connecting Rod to Piston Pin Clearance	0.01 - 0.02 mm (0.001 in.)
Connecting Rod to Crankshaft Counterweight Clearance	0.16 - 0.35 (0.55 max) mm (0.006 - 0.014 [0.022 max] in.)
Crankshaft Axial Play	0.02 - 0.30 (0.5 max) mm (0.001 - 0.012 [0.020 max] in.)
Crankshaft Journal Diameter	12.00 - 11.98 mm (0.472 in.)
Crankshaft Main Bearing Clearance	0.01 - 0.02 (0.05 max) mm (0.001 [0.002 max] in.)
Crankshaft End Runout	0.05 (0.06 max) mm (0.002 [0.002 max] in.)

XT250BLE:

Cylinder Bore Diameter	40 mm (1.575 in.)
Cylinder Bore Allowable Limit	Until Plating Peels
Stroke	34 mm (1.339 in.)
Piston Outer Diameter	39.97 - 39.95 mm (1.573 in.)
Piston to Cylinder Bore Clearance	0.04 - 0.07 (0.10 max) mm (0.001 - 0.003 [0.004 max] in.)
Piston Pin Hole Diameter	10.00 - 9.98 mm (0.394 - 0.393 in.)
Piston Pin Outer Diameter	9.99 mm (0.393 in.)
Piston Pin Hole to Piston Pin Clearance	0.01 (0.05 max) mm (0.001 [0.002 max] in.)
Piston Ring Groove Clearance	0.03 - 0.07 (0.15 max) mm (0.001 - 0.003 [0.006 max] in.)
Piston Ring End Gap	0.1 - 0.3 (0.7 max) mm (0.004 - 0.012 [0.028 max] in.)
Connecting Rod to Crankshaft Clearance	0.01 - 0.2 (0.05 max) mm (0.001 [0.002 max] in.)
Connecting Rod to Piston Pin Clearance	0.01 - 0.02 (0.05 max) mm (0.001 [0.002 max] in.)
Connecting Rod to Crankshaft Counterweight Clearance	0.16 - 0.35 (0.55 max) mm (0.006 - 0.014 [0.022 max] in.)
Crankshaft Axial Play	0.02 - 0.30 (0.50 max) mm (0.001 - 0.012 [0.020 max] in.)
Crankshaft Journal Diameter	15.00 - 14.98 mm (0.591 - 0.590 in.)
Crankshaft Main Bearing Clearance	0.03 - 0.02 (0.05 max) mm (0.001 [0.002 max] in.)
Crankshaft End Runout	0.05 (0.06 max) mm (0.002 [0.002 max] in.)

Electrical

Ignition:

All ModelsCapacitive Discharge Ignition

Ignition Module Air Gap:

All Models 0.40 ± 0.1 mm (0.016 ± 0.004 in.)

Spark Plug:

Resistor Type - All ModelsNGK BPMR8Y

Spark Plug Gap 0.7 mm (0.028 in.)