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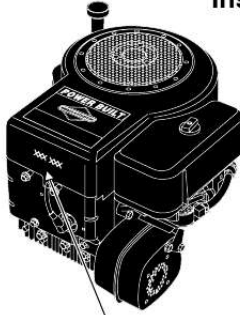
You can read the recommendations in the user guide, the technical guide or the installation guide for BRIGGS & STRATTON 190000. You'll find the answers to all your questions on the BRIGGS & STRATTON 190000 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual BRIGGS & STRATTON 190000
User guide BRIGGS & STRATTON 190000
Operating instructions BRIGGS & STRATTON 190000
Instructions for use BRIGGS & STRATTON 190000
Instruction manual BRIGGS & STRATTON 190000



Model Series Covered in This Manual
190000
280000

Operating & Maintenance Instructions



Model	Type	Code
_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _

Note: General Model Series number noted above is inclusive of the specific model number found on your engine. To get replacement parts or technical assistance in the future, write your engine Model, Type, Code and date of purchase here.

	Month	/	Day	/	Year
	_		_		_ _

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WARNING

Briggs & Stratton does not approve or authorize the use of these engines on 3-wheel All Terrain Vehicles (ATVs), motor bikes, recreational go-karts, aircraft products or vehicles intended for use in competitive events. Use of these engines in such applications could result in property damage, serious injury (including paralysis), or even death.

Need assistance? Go to www.briggsandstratton.com for detailed information regarding Briggs & Stratton engines. Or call, **1-800-233-3723** (U.S.A. and Canada) to hear a menu of pre-recorded messages offering engine maintenance information.

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Manual abstract:

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Or call, 1-800-233-3723, (U.S.A. and Canada) to hear a menu of pre-recorded messages offering engine maintenance information. PRINTED IN U.S.A. © Copyright 2004 by Briggs & Stratton Corporation FORM NO. 274787-7/04 THE POWER THAT WORKS FOR YOUTM Look For Relevant Emissions Durability Period and Air Index Information On Your Engine Emissions Label Engines that are certified to meet the California Air Resources Board (CARB) Tier 2 Emission Standards must display information regarding the Emissions Durability Period and the Air Index. Briggs & Stratton makes this information available to the consumer on our emission labels.

The engine emission label will indicate certification information. @@@@Therefore, the Emissions Durability Period of an engine with an intermediate rating would equate to 10 to 12 years. The Air Index is a calculated number describing the relative level of emissions for a specific engine family. The lower the Air Index, the cleaner the engine. This information is displayed in graphical form on the emissions label. After July 1, 2000, Look For Emissions Compliance Period On Engine Emissions Compliance Label After July 1, 2000 certain Briggs & Stratton engines will be certified to meet the United States Environmental Protection Agency (USEPA) Phase 2 emission standards. For Phase 2 certified engines, the Emissions Compliance Period referred to on the Emissions Compliance label indicates the number of operating hours for which the engine has been shown to meet Federal emission requirements. For engines less than 225 cc displacement, Category C = 125 hours, B = 250 hours and A = 500 hours. For engines of 225 cc or more, Category C = 250 hours, B = 500 hours and A = 1000 hours. The displacement of Model Series 190000 engines is 319 cc.

The displacement of Model Series 280000 engines is 465 cc. This is a generic representation of the emission label typically found on a certified engine. 274787 BEFORE OPERATING ENGINE · Read entire Operating & Maintenance Instructions AND the instructions for the equipment this engine powers.* ·

Failure to follow instructions could result in serious injury or death. THE OPERATING & MAINTENANCE INSTRUCTIONS CONTAIN SAFETY INFORMATION TO · Make you aware of hazards associated with engines · Inform you of the risk of injury associated with those hazards, and · Tell you how to avoid or reduce the risk of injury. The safety alert symbol is used to identify safety information about hazards that can result in personal injury. A signal word (DANGER, WARNING, or CAUTION) is used with the alert symbol to indicate the likelihood and the potential severity of injury. In addition, a hazard symbol may be used to represent the type of hazard. () HAZARD SYMBOLS AND MEANINGS Fire Moving Parts DANGER indicates a hazard which, if not avoided, will result in death or serious injury. Explosion Shock WARNING indicates a hazard which, if not avoided, could result in death or serious injury. Toxic Fumes Hot Surface CAUTION indicates a hazard which, if not avoided, might result in minor or moderate injury. CAUTION, when used without the alert symbol, indicates a situation that could result in damage to the engine. Kickback WARNING The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. *Briggs & Stratton does not necessarily know what equipment this engine will power. For that reason, you should carefully read and understand the operating instructions for the equipment on which your engine is placed.

3 SAFETY WARNING Gasoline and its vapors are extremely flammable and explosive. Fire or explosion can cause severe burns or death. WARNING Starting engine creates sparking. Sparking can ignite nearby flammable gases. Explosion and fire could result.

· If there is natural or LP gas leakage in area, do not start engine. · Do not use pressurized starting fluids because vapors are flammable. WHEN ADDING FUEL · Turn engine OFF and let engine cool at least 2 minutes before removing gas cap. · Fill fuel tank outdoors or in well-ventilated area. · Do not overfill fuel tank. Fill tank to approximately 1-1/2 inches below top of neck to allow for fuel expansion. · Keep gasoline away from sparks, open flames, pilot lights, heat, and other ignition sources. · Check fuel lines, tank, cap, and fittings frequently for cracks or leaks. Replace if necessary. WARNING Rapid retraction of starter cord (kickback) will pull hand and arm toward engine faster than you can let go.

Broken bones, fractures, bruises or sprains could result. · When starting engine, pull cord slowly until resistance is felt, then pull rapidly. · Remove all external equipment/engine loads before starting engine. · Direct coupled equipment components such as, but not limited to, blades, impellers, pulleys, sprockets, etc., must be securely attached. **WHEN STARTING ENGINE** · Make sure spark plug, muffler, fuel cap and air cleaner are in place. · Do not crank engine with spark plug removed. · If fuel spills, wait until it evaporates before starting engine. · If engine floods, set choke to OPEN/RUN position, place throttle in FAST and crank until engine starts. **WHEN OPERATING EQUIPMENT** · Do not tip engine or equipment at angle which causes gasoline to spill. · Do not choke carburetor to stop engine. **WHEN TRANSPORTING EQUIPMENT** · Transport with fuel tank EMPTY or with fuel shut-off valve OFF. **WARNING** Rotating parts can contact or entangle hands, feet, hair, clothing, or accessories. Traumatic amputation or severe laceration can result. · Operate equipment with guards in place. · Keep hands and feet away from rotating parts. · Tie up long hair and remove jewelry. · Do not wear loose-fitting clothing, dangling drawstrings or items that could become caught. **WHEN STORING GASOLINE OR EQUIPMENT WITH FUEL IN TANK** · Store away from furnaces, stoves, water heaters or other appliances that have pilot light or other ignition source because they can ignite gasoline vapors. **4 SAFETY WARNING** Engines give off carbon monoxide, an odorless, colorless, poison gas. Breathing carbon monoxide can cause nausea, fainting or death. · Start and run engine outdoors. · Do not start or run engine in enclosed area, even if doors or windows are open.



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WARNING Unintentional sparking can result in fire or electric shock. Unintentional start-up can result in entanglement, traumatic amputation, or laceration. **WARNING** Running engines produce heat. Engine parts, especially muffler, become extremely hot. Severe thermal burns can occur on contact. Combustible debris, such as leaves, grass, brush, etc. can catch fire.

· Allow muffler, engine cylinder and fins to cool before touching. · Remove accumulated combustibles from muffler area and cylinder area. · Install and maintain in working order a spark arrester before using equipment on forest-covered, grass-covered, brush-covered unimproved land. The state of California requires this (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal land. **BEFORE PERFORMING ADJUSTMENTS OR REPAIRS** · Disconnect spark plug wire and keep it away from spark plug. · Disconnect battery at negative terminal (only engines with electric start). **WHEN TESTING FOR SPARK** · Use approved spark plug tester. · Do not check for spark with spark plug removed.

ENGINE INFORMATION TECHNICAL INFORMATION POWER RATINGS: The power ratings for an individual engine model are initially developed by starting with SAE (Society of Automotive Engineers) code J1940 (Small Engine Power & Torque Rating Procedure) (Revision 2002-05). Given both the wide array of products on which our engines are placed, and the variety of environmental issues applicable to operating the equipment, it may be that the engine you have purchased will not develop the rated horsepower when used in a piece of power equipment (actual "onsite" power). This difference is due to a variety of factors including, but not limited to, the following: differences in altitude, temperature, barometric pressure, humidity, fuel, engine lubrication, maximum governed engine speed, individual engine to engine variability, design of the particular piece of power equipment, the manner in which the engine is operated, engine run-in to reduce friction and clean out of combustion chambers, adjustments to the valves and carburetor, and other factors. The power ratings may also be adjusted based on comparisons to other similar engines utilized in similar applications, and will therefore not necessarily match the values derived using the foregoing codes. 5 ENGINE INFORMATION 6 7 8 9 3 14 12 13 5 4 2 11 1 10 15 1.

2. 3. 4. 5. 6.

7. 8. 12 V electric starter Oil drain plug Fuel fill Fuel tank Oil fill/Dipstick Finger guard Rope handle Air cleaner 9. Engine 10. 11. 12. 13. 14. 15. Model Type Code xxxxx xxxx xx xxxxxxxx Muffler/(Muffler guard, if equipped)/(Spark arrester, if equipped) Spark plug wire Rotating screen Blower housing Fuel filter Carburetor **GENERAL INFORMATION ENGINE MODEL** This is a single cylinder, L-head, air-cooled engine.

It is a low emissions engine. In the state of California, the 190000 and 280000 series engines covered in this manual are certified by the California Air Resources Board to meet emissions standards for 125 hours. Such certification does not grant the purchaser, owner or operator of this engine any additional warranties with respect to the performance or operational life of this engine. This engine is warranted solely according to the product and emissions warranties stated elsewhere in this manual. **TUNE-UP SPECIFICATIONS** Armature air gap . . . 0.010 0.014 in.

(0.25 0.36 mm) Spark plug gap . . .

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0.030 in. (0.76 mm) Valve clearance with valve springs installed and piston 1/4 in. (6 mm) past top dead center (check when engine is cold). See Repair Manual P/N 270962. Model 190000 intake

. .005 .007 in. (

13 .18 mm) Model 190000 exhaust

007 .009 in. (.18 .23 mm) Model 280000 intake

005 .007 in. (.13 .18 mm) Model 280000 exhaust009 .011 in.

(.23 .28 mm) MODEL SERIES 190000 Bore . . .

.

.

.

. . 3 in. (76.20 mm) Stroke .

.

.

. 2-3/4 in.

(69.85 mm) Displacement . . .cap.

· Fill fuel tank outdoors or in well-ventilated area. · Keep gasoline away from sparks, open flames, pilot lights, heat, and other ignition sources. · If fuel spills, wait until it evaporates before starting engine. [1] Remove cap. Fill tank to approximately 1-1/2 inches below top of neck to allow for fuel expansion. Be careful not to overfill. Briggs & Stratton Smart-fill fuel can fills to the correct level and automatically shuts off, reducing spills and emissions. Replace cap before starting. [2] **STARTING WARNING** · Do not use pressurized starting fluids. · Vapors are flammable. **STARTING AND OPERATING TIPS** Store and fuel equipment in level position. Use fresh fuel. (See Fuel.) Use correct spark plug Replace in-line fuel filter (if equipped) Clean cooling system Clean combustion chamber * 4 4* 4** 4** 4** 4** 4 4 4** 4 [6] 7/16" PIPE Typical drain plugs **OIL DRAIN PLUG WARNING** [1] [2] Place engine level.

Disconnect spark plug wire and keep it away from spark plug.

Disconnect battery (if equipped with electric starter) at negative terminal. [3] [4] [5] With engine OFF but still warm remove oil drain plug and drain oil into appropriate receptacle. Reinstall drain plug. Remove dipstick. To a Model 190000 engine add about 1-1/8 quarts (36 ounces: 1.1 liters) new oil. Fill to FULL mark on dipstick. Do not overfill. To a Model 280000 engine add about 1-1/2 quarts (48 ounces: 1.4 liters) new oil.

Fill to FULL mark on dipstick. Do not overfill. Replace dipstick. Change oil after first 5 to 8 hours of use, then every 50 hours or every season. Change oil every 25 hours when operating the engine under heavy load or in high temperatures.

** Clean more often under dusty conditions or when airborne debris is present. Replace air cleaner parts, if very dirty. **CAUTION:** Used oil is a hazardous waste product. Dispose of used oil properly. Do not discard with household waste.

Check with your local authorities, service center, or dealer for safe disposal/recycling facilities. 11 [7] **MAINTENANCE AIR CLEANER** All engines have an air cleaner cartridge. In addition, some engines have a pre-cleaner. Pre-cleaner To clean pre-cleaner (if equipped), separate it from cartridge and wash in liquid detergent and water. Squeeze dry in a clean cloth. Saturate in engine oil. Squeeze in clean, absorbent cloth to remove all EXCESS oil. **CAUTION:** Do

*not use pressurized air or solvents to clean cartridge. Pressurized air can damage cartridge; solvents will dissolve cartridge. COVER KNOB FUEL SYSTEM
WARNING Replacement parts for fuel system (cap, hoses, tanks, filters, etc.*

*) must be the same as original parts, otherwise fire can occur. REPLACE FUEL FILTER (if equipped) COVER CARTRIDGE KNOB HEIGHT (SEE NOTE
BELOW FOR P/N'S) CARTRIDGE & PRE-CLEANER PART NO. 394358 (WITH FUEL PUMP) PART NO. 298090 OR 5018 (WITHOUT FUEL PUMP)
FUEL FILTER FUEL HOSE CLAMPS STUD WARNING [1] Disconnect spark plug wire and keep away from spark plug.*



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Drain fuel tank or close fuel shut-off valve before replacing fuel filter. Otherwise, fuel can leak out, creating a fire/explosion hazard. BASE [2] REMOVING AND RE-INSTALLING AIR CLEANER [1] [2] [3] [4] [5] [6] [7] Remove cover knob and cover. Remove cartridge knob. Carefully lift air cleaner assembly (pre-cleaner, if equipped, and cartridge) from base over stud. Clean base carefully to prevent debris from entering carburetor.

Reassemble pre-cleaner on cartridge and place assembly over stud. Air cleaner must fit securely in base. Tighten cartridge knob securely. Replace cover and tighten cover knob securely. SPARK PLUG Use only Briggs & Stratton Spark Tester (part number 19368) to check for spark.

Note: In some areas, local law requires using resistor spark plug to suppress ignition signals. If this engine was originally equipped with resistor spark plug, use same type for replacement. Note: To determine part number of replacement pre-cleaner and/or cartridge, measure height of part and find P/N below.

Cartridge height = 2-1/2 in. .

.....

..... 493910 · Pre-cleaner height = 2-1/2 in.

.....

..... 272477 · Cartridge height = 3 in.

.....

..... 496894 · Pre-cleaner height = 3 in.

.....

.....

..... 272403 · Cartridge and pre-cleaner height = 3 in. . .

..... 5053 .030" (0.76 mm) WIRE GAGE RESISTOR P/N 802592 STANDARD P/N 492167 12 MAINTENANCE ENGINE AND ENGINE PARTS We recommend that you see an authorized Briggs & Stratton Service Dealer for all maintenance and service of the engine and engine parts.

Use only genuine Briggs & Stratton parts. If you perform any maintenance on the engine, first disconnect the spark plug wire from the spark plug, and disconnect the battery at the negative terminal (electric WARNING starter engines only) to prevent unintentional sparking. Unintentional sparking can result in fire or electric shock. Unintentional start-up can result in entanglement, traumatic amputation or laceration. Use only correct tools.

Do not strike the flywheel with a hammer or hard object because the flywheel may later shatter during operation. Do not tamper with governor spring, links or other parts to increase engine speed. WARNING CLEANING DEBRIS CAUTION: Do not use water to clean engine parts. Water could contaminate fuel system. Use a brush or dry cloth.

MUFFLER WARNING Engine parts should be kept clean to reduce the risk of overheating and ignition of accumulated debris. @@Keep linkage, spring and controls clean. @@@@An illustrated shop manual includes common specifications and detailed information covering adjustment, tune-up and repair of Briggs & Stratton single cylinder, L-head, 4 cycle engines. It is available for purchase from an Authorized Briggs & Stratton Service Dealer or you can order it from the factory. @@270962 P. O. @@@@ (See parts list. @@@@Remove spark plug and pour about 1 oz. (30 ml) of engine oil into cylinder. Replace spark plug and crank slowly to distribute oil.

@@@@@THERE IS NO OTHER EXPRESS WARRANTY. @@@@Once an engine has experienced commercial use, it shall thereafter be considered as a commercial use engine for purposes of this warranty. NO WARRANTY REGISTRATION IS NECESSARY TO OBTAIN WARRANTY ON BRIGGS & STRATTON PRODUCTS. SAVE YOUR PROOF OF PURCHASE RECEIPT. IF YOU DO NOT PROVIDE PROOF OF THE INITIAL PURCHASE DATE AT THE TIME WARRANTY SERVICE IS REQUESTED, THE MANUFACTURING DATE OF THE PRODUCT WILL BE USED TO DETERMINE THE WARRANTY PERIOD. ABOUT YOUR ENGINE WARRANTY Briggs & Stratton welcomes warranty repair and apologizes to you for being inconvenienced. Any Authorized Service Dealer may perform warranty repairs. Most warranty repairs are handled routinely, but sometimes requests for warranty service may not be appropriate. For example, warranty would not apply if engine damage occurred because of misuse, lack of routine maintenance, shipping, handling, warehousing or improper installation. Similarly, warranty is void if the serial number of the engine has been removed or the engine has been altered or modified.

If a customer differs with the decision of the Service Dealer, an investigation will be made to determine whether the warranty applies. Ask the Service Dealer to submit all supporting facts to his Distributor or the Factory for review. If the Distributor or the Factory decides that the claim is justified, the customer will be fully reimbursed for those items that are defective. To avoid misunderstanding which might occur between the customer and the Dealer, listed below are some of the causes of engine failure that the warranty does not cover. Normal wear: Engines, like all mechanical devices, need periodic parts service and replacement to perform well.

Warranty will not cover repair when normal use has exhausted the life of a part or an engine. Improper maintenance: The life of an engine depends upon the conditions under which it operates, and the care it receives. Some applications, such as tillers, pumps and rotary mowers, are very often used in dusty or dirty conditions, which can cause what appears to be premature wear. Such wear, when caused by dirt, dust, spark plug cleaning grit, or other abrasive material that has entered the engine because of improper maintenance, is not covered by warranty. This warranty covers engine related defective material and/or workmanship only, and not replacement or refund of the equipment to which the engine may be mounted.

Nor does the warranty extend to repairs required because of: 1. PROBLEMS CAUSED BY PARTS THAT ARE NOT ORIGINAL BRIGGS & STRATTON PARTS. 2. Equipment controls or installations that prevent starting, cause unsatisfactory engine performance, or shorten engine life. (Contact equipment manufacturer.) 3. Leaking carburetors, clogged fuel pipes, sticking valves, or other damage, caused by using contaminated or stale fuel. (Use clean, fresh, lead free gasoline and Briggs & Stratton Fuel Stabilizer, Part No. 5041.) 4.

Parts which are scored or broken because an engine was operated with insufficient or contaminated lubricating oil, or an incorrect grade of lubricating oil (check oil level daily or after every 8 hours of operation. @@Engine damage may occur if oil level is not properly maintained. Read Operating & Maintenance Instructions. 5. @@6. @@@@7. @@@@8. @@9. @@10. Routine tune up or adjustment of the engine.

11. @@@@EPA) Emission Control System Warranty Statement (Owner's Defect Warranty Rights and Obligations) EMISSION CONTROL WARRANTY COVERAGE IS APPLICABLE TO CERTIFIED ENGINES PURCHASED IN CALIFORNIA IN 1995 AND THEREAFTER, WHICH ARE USED IN CALIFORNIA, AND TO CERTIFIED MODEL YEAR 1997 AND LATER ENGINES WHICH ARE PURCHASED AND USED ELSEWHERE IN THE UNITED STATES (AND AFTER JANUARY 1, 2001 IN CANADA). California and United States Emission Control Defects Warranty Statement The California Air Resources Board (CARB), U.S. EPA and B&S are pleased to explain the Emission Control System Warranty on your model year 2002 and later small off-road engine (SORE).



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In California, new small off-road engines must be designed, built and equipped to meet the State's stringent anti-smog standards. Elsewhere in the United States, new non-road, spark-ignition engines certified for model year 1997 and later must meet similar standards set forth by the U.S. EPA. B&S must warrant the emission control system on your engine for the periods of time listed below, provided there has been no abuse, neglect or improper maintenance of your small off-road engine.

Your emission control system includes parts such as the carburetor, air cleaner, ignition system, muffler and catalytic converter. Also included may be connectors and other emission related assemblies. Where a warrantable condition exists, B&S will repair your small off-road engine at no cost to you including diagnosis, parts and labor. Briggs & Stratton Emission Control Defects Warranty Coverage Small off-road engines are warranted relative to emission control parts defects for a period of two years, subject to provisions set forth below. If any covered part on your engine is defective, the part will be repaired or replaced by B&S. Owner's Warranty Responsibilities As the small off-road engine owner, you are responsible for the performance of the required maintenance listed in your Operating and Maintenance Instructions. B&S recommends that you retain all your receipts covering maintenance on your small off-road engine, but B&S cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance. As the small off-road engine owner, you should however be aware that B&S may deny you warranty coverage if your small off-road engine or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications. You are responsible for presenting your small off-road engine to an Authorized B&S Service Dealer as soon as a problem exists. The undisputed warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

If you have any questions regarding your warranty rights and responsibilities, you should contact a B&S Service Representative at 1-414-259-5262. The emission warranty is a defects warranty. Defects are judged on normal engine performance. The warranty is not related to an in-use emission test. Briggs & Stratton Emission Control Defects Warranty Provisions The following are specific provisions relative to your Emission Control Defects Warranty Coverage. It is in addition to the B&S engine warranty for nonregulated engines found in the Operating and Maintenance Instructions. 1. Warranted Parts B&S is not liable to cover failures of subsequent purchaser that the Warranted Coverage under this warranty extends only to parts caused by the use of add-on, Parts shall be free from defects in materials non-original, or modified parts. to the parts listed below (the emission control systems parts) to the extent these parts of the Warranted Parts for a period of two 5. Maintenance Any Warranted Part which is not scheduled were present on the engine purchased.

years from the date the engine is delivered to for replacement as required maintenance or a. Fuel Metering System a retail purchaser. which is scheduled only for regular inspection. Cold start enrichment system 3. No Charge to the effect of "repair or replace as necessary" shall be warranted as to defects for Fuel Pump Part will be performed at no charge to the warranty period. Any Warranted Part b.

Air Induction System owner, including diagnostic labor which which is scheduled for replacement as required maintenance shall be warranted as to Intake manifold Part is defective, if the diagnostic work is defects only for the period of time up to the c. Ignition System performed at an Authorized B&S Service first scheduled replacement for that part. Any Dealer. For emissions warranty service Spark plug(s) replacement part that is equivalent in performance contact your nearest Authorized B&S Service Dealer as listed in the "Yellow Pages" d. Catalyst System performance of any maintenance or repairs.

under "Engines, Gasoline," "Gasoline Engines," "Lawn Mowers," or similar category. Exhaust manifold performance of all required maintenance, as de Air injection system, Pulse valve 4. Claims and Coverage Exclusions listed in the B&S Operating and Maintenance Warranty claims shall be filed in accordance e. Miscellaneous Items Instructions. with the provisions of the B&S Engine Warranty Policy. Warranty coverage shall be extended to the failure of any Warranted Part still under abuse, neglect or improper maintenance as 2. Length of Coverage warranty. set forth in the B&S Engine Warranty Policy. B&S warrants to the initial owner and each Briggs & Stratton Engines Are Made Under One Or More Of The Following Patents:

Design D 247,177 (Other Patents Pending) 6,691,683 6,647,942 6,622,683 6,615,787 6,617,725 6,603,227 6,595,897 6,595,176 6,584,964 6,557,833 6,542,074 6,520,141 6,495,267 6,494,175 6,472,790 6,460,502 6,456,515 6,382,166 6,369,532 6,356,003 6,349,688 6,347,614 6,325,036 6,311,663 6,284,123 6,263,852 6,260,529 6,242,828 6,239,709 6,237,555 6,230,678 6,213,083 6,202,616 6,145,487 6,142,257 6,135,426 6,116,212 6,105,548 6,347,614 6,082,323 6,077,063 6,064,027 6,040,767 6,014,808 6,012,420 5,992,367 5,904,124 5,894,715 5,887,678 5,852,951 5,843,345 5,823,153 5,819,513 5,813,384 5,809,958 5,803,035 5,765,713 5,732,555 5,645,025 5,642,701 5,628,352 5,619,845 5,606,948 5,606,851 5,605,130 5,497,679 5,548,955 5,546,901 5,445,014 5,503,125 5,501,203 5,497,679 5,320,795 5,301,643 5,271,363 5,269,713 5,265,700 5,243,878 5,235,943 5,234,038 5,228,487 5,197,426 5,197,425 5,197,422 5,191,864 5,188,069 5,186,142 5,150,674 5,138,996 5,086,890 5,070,829 5,058,544 5,040,644 5,009,208 4,996,956 4,977,879 4,977,877 4,971,219 4,895,119 4,875,448 4,819,593 4,720,638 4,719,682 4,633,556 4,630,498 4,522,080 4,520,288 4,512,499 4,453,507 4,430,984 D 476,629 D 457,891 D 368,187 D 375,963 D 309,457 D 372,871 D 361,771 D 356,951 D 309,457 D 308,872 D 308,871 16 (Cette page ne s'applique que pour le Canada et les Etats-Unis) LA GARANTIE SUR LE SYSTÈME D'ÉCHAPPEMENT EST APPLICABLE SUR LES MOTEURS CERTIFIÉS ACHETÉS EN CALIFORNIE EN 1995 ET LES ANNÉES SUIVANTES ET QUI SONT UTILISÉS EN CALIFORNIE, AINSI QU'AUX MODÈLES CERTIFIÉS DE 1997 ET LES ANNÉES SUIVANTES Le California Air Resources Board (CARB), le Bureau américain de protection environnementale (U.



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S. EPA) et B & S sont heureux d'expliquer la garantie sur le système d'échappement des petits moteurs hors-route de votre modèle 2000 et des années ultérieures (SORE). En Californie, les nouveaux petits moteurs hors route doivent être conçus, construits et équipés pour rencontrer les standards rigoureux d'antipollution. Ailleurs aux Etats-Unis, les nouveaux moteurs hors route à bougie d'allumage certifiés pour les modèles de 1997 et plus, doivent rencontrer des normes similaires mises de l'avant par le U.S. EPA. Briggs & Stratton garantit le système de contrôle d'échappement Les petits moteurs hors route sont garantis contre la défectuosité des pièces du système de contrôle d'échappement pour une période de 2 ans, sujette aux conditions stipulées ci-contre. Si n'importe La Corporation Briggs & Stratton (B&S), le California Air Resources Board (CARB) et le Bureau de protection environnementale des Etats-Unis (US EPA)

Garantie sur le système d'échappement (Garantie contre les défectuosités, droits et obligations du propriétaire) VANTES QUI ONT ÉTÉ ACHETÉS ET UTILISÉS AILLEURS AUX ETATS-UNIS (ET APRÈS LE 1ER JANVIER 2001 AU CANADA). Déclaration de garantie sur le système d'échappement pour la Californie, les Etats-Unis Couverture de garantie Briggs & Stratton contre toute défectuosité du système de contrôle d'échappement Responsabilités du propriétaire pement de votre moteur pour la période de temps mentionnée ci-contre, sauf s'il a fait l'objet d'abus, de négligence ou d'un entretien inapproprié. Votre système de contrôle d'échappement comprend des pièces telles que le carburateur, le filtre à air, le système d'ignition, le silencieux et le convertisseur catalytique.

Il peut aussi comprendre les connecteurs et autres pièces reliées à l'émission. Lorsqu'il y a condition à garantie, B&S réparera gratuitement votre petit moteur hors-route incluant le diagnostic, les pièces et la main d'œuvre. Si la pièce de votre moteur couverte par cette garantie est défectueuse, elle sera réparée ou remplacée par B&S. En tant que propriétaire d'un petit moteur hors route, vous êtes responsable de veiller à l'exécution de l'entretien requis tel que stipulé dans votre manuel d'opération et d'entretien. B&S vous recommande de conserver tous les reçus couvrant les travaux d'entretien de votre petit moteur hors route, mais B&S ne peut refuser la garantie en raison d'absence de reçus ou pour défaut d'avoir suivi tout l'échéancier du programme d'entretien.

En tant que propriétaire d'un petit moteur hors route, vous devez être informé que B&S peut refuser d'honorer cette garantie si la défectuosité de votre moteur ou d'une partie de votre moteur est due à un emploi abusif, une négligence, un entretien incorrect ou une modification non approuvée. Ce qui suit concerne les dispositions spécifiques relativement à votre garantie sur le système de contrôle d'échappement. C'est une addition à la garantie B&S pour les moteurs non réglementés contenue dans le manuel d'entretien et d'utilisation. 3. Aucuns Frais 1.

Pièces sous garantie La couverture de cette garantie ne s'applique que sur les pièces listées ci-contre (les parties La réparation ou le remplacement de toute pièce sous garantie sera effectuée sans aucuns du système de contrôle d'échappement) dans la mesure où ces pièces étaient présentes sur le frais pour le propriétaire, incluant les frais de main d'œuvre pour le diagnostic afin de déterminer le moteur au moment de l'achat. Si la pièce sous garantie est défectueuse, conditionnel à ce que le diagnostic soit effectué chez un détaillant autorisé B&S. Pour la garantie relative au système d'échappement, comme a. Système de dosage du carburant niquez avec le détaillant autorisé B&S le plus proche tel que listé dans les pages jaunes de · Système d'enrichissement de démarrage à froid votre localité sous la rubrique moteur à essence, tondeuse ou autre catégorie similaire. · Carburateur et parties internes 4. Réclamations et exclusions de la couverture. · Pompe à essence Les réclamations de garantie doivent être complétées en accord avec les dispositions de la b. Système d'induction d'air politique de garantie B&S. La garantie ne couvre pas les défectuosités de pièces qui ne sont · Filtre à air pas des pièces d'origine B&S ou dans le cas d'abus, négligence ou d'un entretien inapproprié. · Tubulure d'admission La garantie B&S ne couvre pas les défectuosités de pièces sous garantie qui ont fait l'objet

c.

Système d'ignition d'ajouts, ont été modifiées ou de pièces qui ne sont pas des pièces B&S d'origine. · Bougies d'allumage 5. Entretien · Système d'allumage électromagnétique Toute pièce sous garantie qui n'est pas remplacée au moment requis selon le manuel d'entre d. @@@@ performance et durabilité peut être utilisée pour l'entretien ou la réparation. Le propriétaire est responsable de l'exécution de tout entretien requis tel que défini dans le manuel d'instruction · Connecteurs et assemblages. B&S sur l'entretien et la réparation. 2. Durée de la couverture 6. Couverture indirecte B&S garantit le propriétaire initial et tous les acheteurs subséquents que les pièces sous ga La couverture ci-contre s'étend à toute défectuosité des composantes du moteur causée par rantie sont exemptes de vice de matière ou de fabrication qui pourraient causer des défectuosité la défectuosité de n'importe quelle pièce couverte par la garantie et dont la garantie est encore tes des pièces sous garantie pour une période de deux ans à partir de la date à laquelle le mo en vigueur.



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teur a été livré à l'acheteur.

Les moteurs qui sont certifiés conformes aux normes standards d'émission du California Air Resources Board (CARB) Tier 2, doivent afficher l'information concernant la période de durabilité du système d'émission et l'INDICE d'air. @@@@ @@@@ Intermédiaire le moteur est certifié conforme pour 250 heures d'utilisation normale. Prolongé le moteur est certifié conforme pour 500 heures d'utilisation normale. Par exemple, une tondeuse de modèle standard est utilisée environ 20 à 25 heures par année. Par conséquent, la période de durabilité d'émission d'un moteur dans la catégorie intermédiaire pour ce type de tondeuse équivalait à 10 à 12 ans.

L'indice d'air est un nombre qui décrit le niveau relatif d'émission pour une catégorie spécifique de moteur. Plus l'indice d'air est bas, plus le moteur est écologique. Cette information est indiquée sous une forme graphique sur l'étiquette d'émission. Après le 1er juillet 2000, certains moteurs B&S seront certifiés conformes aux normes environnementales d'émission standard du United States Environmental Protection Agency (US EPA) Phase 2. Pour les moteurs certifiés pour la Phase 2, la période de conformité d'émission mentionnée sur les étiquettes indique le nombre d'heures d'utilisation pour lequel le moteur rencontre les normes fédérales.

Pour les moteurs de force moindre que 225 cc, la catégorie C = 125 heures, B = 250 heures et A = 500 heures. Pour les moteurs de 225 cc et plus, la catégorie C = 250 heures, B = 500 heures et A = 1000 heures. Le remplacement du moteur portant le modèle de série 190000 est 319 cc. Le remplacement du moteur portant le modèle de série 280000 est 466 cc. Dispositions de la garantie du système d'échappement Briggs & Stratton Vous avez la responsabilité d'apporter votre petit moteur hors route à un détaillant autorisé B&S aussitôt que survient un problème. Les réparations sous garantie doivent être complétées dans un délai raisonnable ne devant pas excéder 30 jours. Si vous avez des questions relativement à votre garantie, vos droits et responsabilités, veuillez communiquer avec un représentant de service B&S au numéro 1-414-259-5262. La garantie du système d'échappement est une garantie contre les défauts. Les défauts sont jugés en fonction d'une utilisation normale du moteur. La garantie n'est pas reliée à un test d'échappement effectué à l'intérieur.

Consultez les informations sur la période de durabilité d'émission et l'INDICE d'air sur l'étiquette d'émission de votre moteur À compter du 1er juillet 2000, surveillez la période de conformité d'émission sur les étiquettes Ceci est une représentation des étiquettes d'émission que vous retrouverez sur les moteurs certifiés : **INFORMATIONS IMPORTANTES CORPORATION BRIGGS & STRATTON FAMILLE YBSXS.3192VA 274812 CE MOTEUR EST CONFORME AUX NORMES ANTIPOLLUTION 2000 2001 DE CALIFORNIE POUR LES PETITS MOTEURS HORS ROUTE ET AUX NORMES ENVIRONNEMENTALES AMÉRICAINES (EPA PHASE 2) POUR LES PETITS MOTEURS HORS ROUTE. CONSULTEZ LE MANUEL DU PROPRIÉTAIRE POUR LES SPÉCIFICATIONS, L'ENTRETIEN ET LES AJUSTEMENTS. CONFORME À LA PÉRIODE D'ÉMISSION EPA : CATÉGORIE : C .**



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