

Operator's Manual GASOLINE POWERED CULTIVATOR 43cc, 2 Cycle MODEL No.S PCV43

For Occasional Use Only

Look inside for:

Safety Def n t ons Important Safety Informat on Product Spec f cat ons Parts & Features Assemb v Operat on Ma ntenance Storage Troub eshoot ng Technica Service Warranty Span sh



IMPORTANT:

Thank you for purchasing his Powerma e® Cul iva or Read and unders and all warnings and ins ruc ions in his manual before using his machine mproper use of equipmen can cause severe injury or dea h Keep his manual for fu ure reference

Record the following for future reference:

Mfg. Date Code:

Date of Purchase: Attach a copy of your sales receipt. Consumer Toll Free Number: 1-800-737-2112

Refer to the website for electronic manual and parts book. www.powermate.com



If you have a quest on or prob em...

CALL TOLL FREE: 1-800-737-2112

KEEP THIS MANUAL FOR FUTURE REFERENCE

Safety Definitions • Save all instructions

Safety Warning Sy	mbols:		
\triangle	Indicates WARNING, DANGER, or CAUTION.	₽	This equipment can throw small objects at high speed causing personal injury. Inspect area where used and remove all foreign objects.
	Read operator's manual before operating this machine. Failure to follow directions could result in serious injury.		Engine exhaust contains carbon monoxide, an odorless and deadly gas. NEVER run unit indoors or in a poorly ventilated area.
	Always wear eye protection that meets or exceeds the requirements of ANSI Z87.1. Wear hearing protection. Wear breathing protection.	Jan 19	To reduce risk of fire, clean spilled gas and oil and keep unit free from debris. Gasoline is extremely flammable. Allow machine to cool completely before refueling.
* *	Do not use if children or bystanders are present.		Extremely hot surface. Do not touch a hot muffler, gear box or cylinder, you may get burned. These parts get extremely hot from operation and remain hot for a short time after the unit is turned off.
	Keep hands, feet, and clothing away from rotating tines. Contact with rotating tines may result in serious injury.		
Control and Opera	ting Symbols:		
Charl CCCS STARS WARM STARS THE	Choke Control: Run/Warm Start Choke/Cold Start	Fuel Mixture 40:1 Unisaded Gas 2 Cycle 0 1 Caution: Do Not Use Gas Mix with More han 0% Methanol or Ethanol	Fuel Mixture: 40:1 (Unleaded Gas : 2 Cycle Oil)
PUSH TO PRIME	Fuel Primer: Press 6 times.	THROTTLE CONTROL SLOW	Throttle Control: SLOW FAST
ON/RUN	Ignition Switch: ON/RUN		

Safety Alert Symbols

The informa ion lis ed below should be read and unders ood by he opera or We u ilize he symbols below o allow he reader o recognize impor an informa ion abou heir safe y

▲ DANGER	Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
▲ WARNING	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
▲ CAUTION	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury or equipment/property damage

1

OFF/STOP

Important Safety Information

Save all instructions

Before Operating Cultivator

1 READ AND UNDERSTAND ALL INSTRUCTIONS BEFORE OPERATING CULTIVATOR. Be horoughly familiar with he controls and he proper use of he equipmen. Know how to sop he unit and disengage he controls quickly

▲ WARNING

Read and follow all warnings and safe y ins ruc ions Failure o do so can resul in serious injury o you or bys anders

- Avoid Dangerous Environmen s
 - Do no opera e cul iva or while under he influence of alcohol medica ions or drugs
 - Do no opera e cul iva or when you are ired
 - c Do no use his cul iva or if you are men ally or physically unable o opera e safely
- 3 nspec cul iva or for damaged par s and make sure all fas eners and guards are in place and secure Replace any damaged par s
- 4 Dress properly when opera ing cul iva or
 - a Always wear heavy long pan s boo s gloves and a long sleeve shir
 - b Do no wear loose clo hing or jewelry ha can ge caugh in he moving par s of he cul iva or
 - c Always wear gloves and subs an ial foo wear when working ou side
 - d Always wear pro ec ive hair covering o con ain long hair
- 5 Always wear a face or dus mask if opera ion is dus y
- 6 Always wear eye pro ec ion ha mee s or exceeds he requiremen s of ANS Z87 1
- 7 Always wear hearing pro ec ion which mee s or exceeds ANS s andards
- B Thoroughly inspec he area where he cul iva or is o be used and remove all foreign objec s
- 9 Keep he area of opera ion clear of all persons par icularly small children and pe s

▲ WARNING

Your equipmen can hrow small objec s a high speed causing personal injury or proper y damage

- 10 Never allow children o opera e he equipmen Never allow adul s o opera e he equipmen wi hou proper instruction
- 11 Keep in mind ha he opera or or user is responsible for acciden s or hazards occurring o o her people heir proper y and hemselves

A WARNING

Engine exhaus from his produc con ains chemicals known o he S a e of California o cause cancer or bir h defec s or o her reproduc ive harm

While Operating Cultivator

- 1 Say aler Use common sense Wach wha you are doing
- 2 Do no opera e cul iva or if i is damaged or no securely and fully assembled
- 3 Never opera e he cul iva or wi hou good visibili y or ligh
- 4 Never opera e he machine wi hou proper guards pla es or o her safe y pro ec ive devices in place
- 5 Keep all par of your body away from he ro a ing ines Do no pu hands or fee near or under ro a ing par s
- 6 Keep children and pe s away
- 7 Use only for jobs explained in his manual Do no use cul iva or for any job excep ha for which i is in ended
- 8 Main ain your balance and proper foo ing a all imes Do no overload he machine capacily by a emping o ill oo deep
- 9 Af er s riking a foreign objec s op he engine remove he wire from spark plug horoughly inspec he machine for any damage and repair he damage before res ar ing and opera ing he machine
- 10 Never leave he machine una ended S op he engine when leaving he opera ing posi ion
- 11 S op he engine before unclogging he ines and when making any repairs adjus men s and inspec ions
- 12 Be careful when illing in hard ground The ines may cach in he ground and propel he cul iva or forward f his occurs le go of he handles and do no res rain he machine
- 13 Use ex reme cau ion when reversing or pulling he machine owards you
- 14 Do no force cul iva or will do he job be er and wi h less likelihood of a risk of injury a he ra e for which i was designed

▲ DANGER

Never s ar or run he uni inside a closed room or building brea hing exhaus fumes can kill

- 16 Exercise ex reme cau ion when opera ing on or crossing gravel drives walks or roads S ay aler for hidden hazards or raffic
- 17 Exercise cau ion o avoid slipping or falling
- 18 f he uni should s ar o vibra e abnormally s op he engine and check immedia ely for he cause Vibra ion is generally a warning sign of rouble
- 19 Never opera e he machine a high ranspor speeds on hard or slippery surfaces
- 20 S ar he engine carefully according o ins ruc ions and wi h fee well away from he ines
- 21 Never pick up or carry a machine while he engine is running

Important Safety Information (Continued)

Save all instructions

While Operating Cultivator (cont.)

A CAUTION

Prolonged exposure o vibra ions hrough use of gasoline powered hand ools could cause blood vessel or nerve damage in fingers hands and join s of people prone o circula ion disorders or abnormal swellings Ex ensive use in cold wea her has been linked o blood vessel damage in o herwise heal hy people f symp oms occur such as numbness pain loss of s reng h change in skin color or ex ure or loss of feeling in he fingers hands or join s discon inue he use of his ool and seek medical a en ion

Fuel Safety

- 1 Mix and pour fuel ou doors WHERE THERE ARE NO SPARKS OR FLAMES
- 2 Use a con ainer approved for gasoline
- Do no smoke or allow smoking near fuel or he cul iva or
- Avoid spilling fuel or oil Wipe up all fuel spills
- Move a leas 10 fee (3 me ers) away from fueling si e before s ar ing engine Do no refuel a ho engine Do no refuel a running engine
- S op engine and allow o cool before removing fuel cap Remove fuel cap slowly
- 7 Never sore engine with fuel in the ank indoors Fuel and fuel vapors are highly flammable
- 8 Replace all fuel ank and con ainer caps securely

Maintenance & Storage of Cultivator

- 1 S op he engine and disconnec he spark plug before servicing cleaning or performing main enance on he uni Never a emp o make any adjus men s while he engine is running
- 2 Main ain cul iva or wi h care nspec cul iva or periodically Keep machine a achmen s and accessories in safe working condi ion f cul iva or is no working properly or damaged have i repaired by a quali ied service cen er
- 3 Check for misalignmen of moving pars binding of moving pars broken pars and any o her condition ha may affec is operation. Check shear bols engine mounting bols and other bols a frequent in ervals for propertighness of besure he equipment is in safe working condition.
- 4 Keep guards in place and in working order
- 5 A guard or o her par ha is damaged should be properly repaired or replaced by a qualified service cen er
- 6 Use only genuine Powerma e® replacemen par s and accessories Use of any non Powerma e® par s or accessories could lead o injury damage he uni and void your warran y
- 7 Do no remove or modify any par s Removing or modifying par s could lead o injury damage he machine and will void he warran y
- 8 Keep handles dry clean and free from oil and grease
- 9 Allow engine o cool and emp y he fuel ank before s oring or ransporing in vehicle Use up remaining fuel in he carbure or by s ar ing he engine and le ing i run un il i s ops f he fuel ank has o be drained do i ou doors
- 10 When no in use sore cul iva or indoors in a dry loca ion Sore cul iva or above he reach of children or in a locked area ou of he reach of children
- 11 S ore uni and fuel in area where fuel vapors canno reach sparks or open flames from wa er hea ers elec ric mo ors or swi ches furnaces e c
- 12 Always refer o he opera or s manual for impor an de ails if he cul iva or is o be s ored for an ex ended period
- 13 Follow manufac urer's recommenda ions for safe loading unloading ranspor and's orage of machine

Product Specifications • Save all instructions

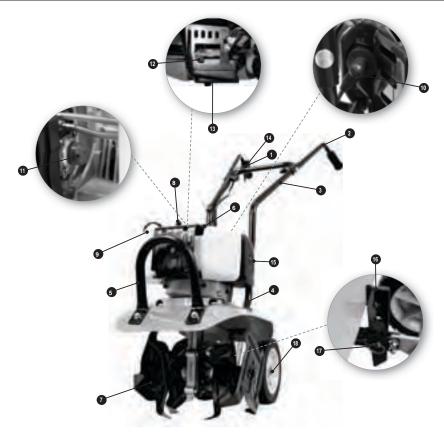
Engine 43 cc 2 cycle Full Crank 2 Cycle Oil Type dle Speed 2 800 3 000 RPM Tilling Wid h 7" 10" Fuel Mix ure Tilling Dep h Up o 5" Spark Plug Fuel Tank Capaci y 28 oz (840 ml)

Fuel Type Unleaded Gasoline - 87 Octane or higher

Ne Weigh

2-Cycle Oil that meets or exceeds JASO - FC Specifications 40:1 (Gasoline: 2-Cycle Oil) NHSP LD L6 NGK BM6A CHAMP ON CJ8 or equivalen 33 lbs (15 kg)

Parts & Features



1	gni ion Swi ch	7	Tines	13	Air Fil er Cover
2	Upper Handle	8	Recoil S ar er Handle	14	Thro le Trigger
3	Middle Handle	9	Fuel Tank	15	Muffler
4	Lower Handle	10	Spark Plug	16	Drag S ake
5	Fron Carry Handle	11	Fuel Primer Bulb	17	De en Pin
6	Engine	12	Choke	18	Transpor Wheels

Assembly

Save all instructions

Parts Included with Cultivator

- · Middle Handle (1)
- · Upper Handles (2)
- · Wing nu s and bol s (4 ea)
- · Spark Plug Wrench & Rod (1)

If you need assistance or find any parts missing, CALL TOLL FREE: 1-800-737-2112

- · Cable Ties (3)
- · Opera or s Manual (1)
- 3 2 oz bo le of 2 Cycle engine oil (1)
- * Wrench (1)

▲ WARNING

Do no opera e cul iva or if i is damaged or no securely and fully assembled

How to Unpack Cultivator from Carton

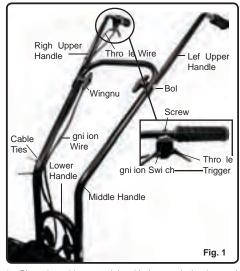
- 1 Remove all par s and packing componen s
- 2 Use a u ili y knife o cu all 4 ver ical edges Lay he side panels fla around he cul iva or
- 3 Remove inner componen s and packaging

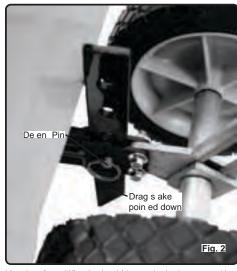
▲ CAUTION

Use care when removing par s no o damage any cables or wires ha are a ached o he par s

4 Roll he uni ou from he car on and place on a hard level surface

How to Assemble the Handles and Drag Stake





1 Place he cul iva or uprigh with ines and wheels on a hard level surface. Wheels should be se in he lowes position

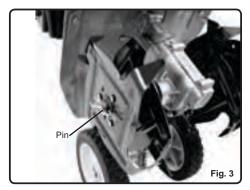
A WARNING

Do NOT place he cul iva or on a high surface where i can fall and cause proper y damage or personal injury

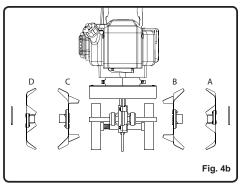
- 2 Assemble he middle handle o he lower handle wi h he 2 bol s and wing nu s Refer o Figure 1 Firmly hand igh en he wing nu s
- 3 A ach he upper handles o he middle handle using he wo remaining bol s and wing nu s Refer o Figure 1
- 4 Assemble he igni ion swi ch and hro le rigger o he righ upper handle wi h he screw Use included wrench See Figure 1
- 5 Make sure he igni ion wire is connec ed o bo h he igni ion swi ch (on he upper handle) and he engine Make sure he wires are connec ed a he whi e connec ion erminal
- 6 Use he cable ies o secure he hro le cable and igni ion wire o he handles
- 7 The drag s ake is shipped wi h he poin facing upwards To use for cul iva ing remove de en pin and urn he drag s ake upside down so he poin faces downward Re inser he de en pin Refer o Figure 2

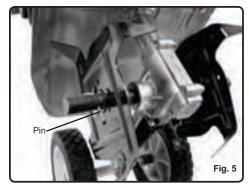
Assembly (Continued) • Save all instructions

How to Assemble the Tines









To Remove Tines

- 1 Remove he pins from each end of he ine shaf Refer o Figure 3
- Slide he four ines off he ine shaf

To Install Tines

The 4 differen ines are labeled "A" "B" "C" and "D" Refer o Figure 4a for he loca ion of he label

For a 10" illing wid h

- Assemble he ines as shown in Figure 4b Make sure he collars of he ines are facing each o her
- 2 nser he pins in o he holes a each end of he ine shaf o lock he ines in o place See Figure 3

For a 7" illing wid h

- Only assemble ines B and C (he wo inside ines) Do no assemble ines A and D (he wo ou side ines) Refer o figure 4b
- nser he pins in o he NS DE holes of he ine shaf o lock he ines in o place See Figure 5

Operation

Save all instructions



Before Starting Engine:

Mixing Fuel / 2-Cycle Oil

A WARNING

Do no smoke or allow smoking near fuel or he cul iva or Mix and pour fuel ou doors WHERE THERE ARE NO SPARKS OR FLAMES

The 2 cycle engine on your cul iva or requires ha fuel and 2 cycle engine oil need o be pre mixed before adding o he fuel ank

A WARNING

Always mix he gasoline and 2 cycle oil in a con ainer approved for gasoline Never mix fuel direc ly in he engine fuel ank

Use fresh unleaded gasoline wi h an oc ane ra ing of 87 or higher and less han 10% e hanol or me hanol

Use 2 cycle oil ha mee's or exceeds JASO speci ica ions and is in ended for mixing a a fuel o oil ra io of 40 1

▲ CAUTION

Use of incorrec gasoline such as diesel fuel or gasoline con aining more han 10% e hanol or me hanol will damage he cul iva or engine and void your warran y

▲ CAUTION

Use of incorrec oil such as au omo ive oil 2 cycle marine ou board oil or any oil o her han specified oil will damage he cul iva or engine and void your warran y

To mix he fuel and 2 cycle oil follow ins ruc ions on 2 cycle oil con ainer for mixing fuel Mix gasoline and 2 cycle oil a a ra io of 40 1 A mix ure wi h a 40 1 ra io is ob ained by mixing 1 gallon (4 li ers) of gasoline wi h 3 2 ounces of oil (95 ml) Af er adding oil o gasoline shake con ainer momen arily o ensure proper mixing

MPORTANT Mix only enough fuel for your immedia e needs Do no s ore pre mixed fuel

Adding Fuel to Cultivator:

- S op engine and allow i o cool before refueling
- Place he uni uprigh on he ground or on a surdy bench and wipe and any debris from around he fuel cap
- 3 Remove fuel cap slowly and use a funnel o pour he mix ure in o he ank and replace he fuel cap
- Avoid spilling fuel or oil Wipe up all fuel spills
- Move a leas 10 fee (3 me ers) away from fueling si e before s ar ing engine 5

C Starting Engine:

Starting a Cold Engine

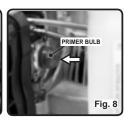
- Place he cul iva or on a fla surface
- 2 Move he igni ion swi ch o he "on" posi ion (See Figure 6)
- 3 Move he choke lever o he 'cold's ar position (See Figure 7)
- 4 Press he primer bulb slowly 6 imes (See Figure 8)
- 5 Grab he recoil s ar er handle wi h your righ hand and suppor he cul iva or wi h your lef hand (See Figure 9)
- 6 Pull he recoil s ar er handle sharply un il he engine s ar s and runs
- Af er engine s ar s and runs for 10 15 seconds move choke lever o "run/ warm s ar" posi ion (See Figure 7)

Starting a Warm Engine

- Place he cul iva or on a fla surface
- Move he igni ion swi ch o he "on" posi ion (See Figure 6) Move he choke lever o he 'run/ warm s ar posi ion
- (See Figure 7) 4 Grab he recoil s ar er handle wi h your righ hand and
- suppor he cul iva or wi h your lef hand (See Figure 9)
- 5 Pull he recoil s ar er handle sharply un il he engine s ar s and runs









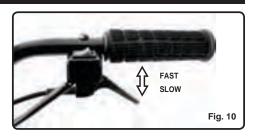
Operation (Continued)

Save all instructions

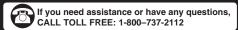
C Starting Engine (Continued):

Starting a Flooded Engine

- 1 Place he cul iva or on a fla surface
- 2 Move he igni ion swi ch o he ON posi ion
- 3 Move he choke lever o he 'run/ warm s ar posi ion (see Figure 7)
- 4 Hold he hro le rigger fully depressed in fas posi ion (See Figure 10)
- 5 Pull he recoil s ar er handle repea edly un il engine s ar s and runs This could require pulling he recoil s ar er handle many imes depending on how badly he uni is flooded
- 6 f he engine sill does no sar allow he uni o si for abou 15 minu es and repea seps 1 5



If the unit still doesn't start, refer to the TROUBLESHOOTING section of this manual or:



D Adjusting Engine Speed:

No e his cul iva or is equipped wi h a cen rifugal clu ch so he ines will no urn un il he engine speed is increased To increase he engine speed lif up on he hro le rigger (See Figure 10)

To slow he engine down slowly release he hro le rigger Comple ely releasing he hro le lever will re urn he engine o idle and will s op he ines from ro a ing

E Stopping the Engine:

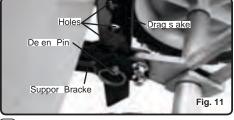
- 1 Release he hro le rigger and allow he engine o idle for a few momen s (See Figure 10)
- 2 Push and hold he igni ion swi ch o he 's op posi ion (See Figure 6)

F Adjusting the Drag Stake Position:

The drag s ake adds resis ance when cul iva ing which makes he uni easier o con rol also can be adjus ed o change he dep h of cul iva ing To adjus he drag s ake posi ion follow he s eps below and refer o Figure 11

- 1 Remove he de en pin
- 2 Slide he s ake o he desired posi ion aligning he hole in he s ake with he holes in he support bracke
- 3 nser he de en pin hrough he holes o secure he drag s ake

No e For he deepes cul iva ing dep h se he drag s ake in i s lowes posi ion This will give he grea es resis ance and allow for he deepes dep h



G Adjusting the Wheel Height:

- 1 Loosen knob
- 2 Move he wheels up or down

NOTE he upper posi ion is for cul iva ing he lower posi ion is for ranspor

3 Tigh en knob securely af er adjus ing he wheels o he desired heigh

H Engine Break-In Period:

During he firs en (10) hours of use use he slowes engine speed which allows for effec ive cu ing and avoid opera ion a high engine speeds for ex ended periods of ime

This will maximize he life and performance of your cul iva or s engine Maximum power will be achieved af er he firs en (10) hours of engine opera ion

Maintenance

Save all instructions

A WARNING

Turn off igni ion swi ch and disconnec he spark plug before performing main enance excep for carbure or adjus men s Reconnec he spark plug wire af er he service is done

A Air Filter

Your cul iva or has been equipped with wo (2) foam air fil ers inside he air fil er housing o preven dir and debris from en ering he engine

Accumula ed debris and dus in he air fil er will reduce engine performance increase fuel consump ion and increase he risk of damage nspec he air fil ers frequen ly for dus and debris build up and clean he air fil ers every 5 hours of opera ion (more frequen ly in dus y/dir y condi ions)

Bo h air fil ers should be cleaned by following hese ins ruc ions

- 1 Before removing air fil er cover brush away any loose dir or debris on and around he fil er cover
- 2 Remove he screw securing he air il er cover See Figure 13
- 3 Remove and clean foam fil er
 - Ligh surface dus can readily be removed by apping he fil er
 - Heavy deposi s should be washed ou in soap and wa er Squeeze ou any remaining wa er and allow he fil er o comple ely dry



A WARNING

Never clean fil er in gasoline or o her flammable solven s

4 Add a drop of hin oil o he il er and replace i

B Spark Plug

nspec he spark plug af er every 10 15 hours of use adjus spark plug gap and replace spark plug as necessary Replace spark plug every year o main ain engine performance and easy s ar ing

To inspec or replace he spark plug

- 1 Remove he insula ed spark plug boo
- 2 Use he spark plug wrench o remove he spark plug by urning coun er clockwise
- 3 Visually inspec he spark plug for cracks or damage f damaged replace spark plug wi h a recommended replacemen (see "Produc Specifica ions")
- 4 Clean carbon deposi s f excessive carbon build up replace spark plug
- 5 Adjus he spark plug gap o 0 024 0 028 in (0 6 0 7mm)
- 6 ns all he spark plug inger igh in he cylinder head and hen igh en firmly wih he spark plug wrench
- 7 Re ins all he insula ed spark plug boo

Storage

- 1 Allow engine to cool and empty the fuel tank before storing or transporting in vehicle. Use up remaining fuel in the carburetor by starting the engine and letting it run until it stops.
- When no in use s ore cul iva or indoors in a dry loca ion S ore cul iva or above he reach of children or in a locked area ou of he reach of children
- 3 S ore uni and fuel in area where fuel vapors canno reach sparks or open lames from wa er hea ers elec ric mo ors or swi ches furnaces e c
- 4 When preparing he cul iva or for sorage or when cul iva or will no be used for 30 days or more
 - a Emp y fuel ank and use up remaining fuel in he carbure or by s ar ing he engine and le ing i run un il i s ops
 - b nspec and clean he cul iva or horoughly
 - c Ligh ly oil all ex ernal me al surfaces
 - d Remove he spark plug place a few drops of 2 cycle engine oil in o he cylinder Pull he recoil s ar er several imes o dis ribu e he oil Replace he spark plug
 - e nspec and clean air fil er as required

Troubleshooting • Save all instructions

PROBLEM	POSSIBLE CAUSE(S)	SOLLUTION(S)
Engine will no s ar	1 Ignition Switch in the "OFF" position. 2 Engine looded	1 Move igni ion swi ch o he ON posi ion 2 See Starting a Flooded Engine in OPERATION sec ion
	3 Fuel Tank emp y 4 Spark Plug no firing 5 Fuel no reaching carbure or	3 Fill ank wi h correc fuel mix ure 4 Replace Spark Plug 5 Check for kinked or spli fuel line repair or replace
Engine will no accelera e lacks power or s alls	Carbure or requires adjus men Fuel not reaching carburetor. Air il er dir y Spark plug fouled Carbure or requires adjus men Carbon build up on muffler ou le screen	1 Check for kinked or spli fuel line repair or replace 2 Clean air fil er 3 Clean or replace spark plug 4 Con ac a qualified service cen er 5 Con ac a qualified service cen er
Engine smokes excessively	6 Compression low 1 Fuel mix ure incorrec 2 Air il er dir y 3 Carbure or requires adjus men 4 Choke lever in he CHOKE/COLD START posi ion	1 Emp y Fuel Tank and refill wi h correc fuel mix ure 2 Clean or replace air fil er 3 Con ac a qualified service cen er 4 Ro a e choke lever o he RUN/WARM START posi ion
Engine runs ho	Fuel mix ure incorrec Spark Plug incorrec Carbure or requires adjus men Carbon build up on muffler ou le screen	See Mixing Fuel / 2-Cycle Oil in OPERATION sec ion Replace with correc Spark Plug Con ac a qualified service cen er Con ac a qualified service cen er
Engine will no idle properly	Carbure or requires adjus men Crankshaf seals worn Compression low	Con ac a qualified service cen er Con ac a qualified service cen er Con ac a qualified service cen er

Technical Service

You may have fur her ques ions abou assembling opera ing or main aining his cul iva or f so you can con ac our Technical Service Depar men a 1 800 737 2112 (English only) You may also wri e o

METL Corporate Office - CORRESPONDENCE ONLY ATTN: Technical Service - METL 6700 Wildlife Way Long Grove, IL 60047

If you need assistance or have any questions, CALL TOLL FREE: 1-800-737-2112

When contacting the Technical Service Department, have ready:

- Your Name
- · Your Address
- · Your Phone Number

- · Model Number of Product
- · Date of Purchase (include copy of receipt for written requests)

Warranty

Save all instructions

(A)

Powermate® CULTIVATOR Limited Warranty

Always specify model number when contacting the factory.

We reserve the right to amend these specifications at any time without notice. The only warranty applicable is our standard written warranty. We make no other warranty, expressed or implied, MAT Engine Technologies, LLC warrants this Cultivator and any parts thereof, to be free from defects in material and workmanship for two years (90 days for reconditioned unit) from the date of first purchase from an authorized dealer, provided that the product has been properly maintained and operated in accordance with all applicable instructions. This warranty is extended only to the original retail purchaser. The bill of sales or proof of purchase must be presented at the time a claim is made under this warranty. This warranty does not cover commercial. industrial, or rental usage, nor does it apply to parts that are not in original condition because of normal wear and tear, or parts that fail or become damaged as a result of misuse, accident, lack of proper maintenance, tampering, or alteration. Travel, handling, transportation, and incidental costs associated with warranty repairs are not reimbursable under this warranty and are the responsibility of the owner. To the full extent allowed by the law of the jurisdiction that governs the sale of the product, this express warranty excludes any and all other expressed warranties and limits the duration of any and all implied warranties. including warranties of merchantability and fitness for a particular purpose to two years from the date of first purchase, and MAT Engine Technologies, LLC's liability is hereby limited to the purchase price of the product and MAT Engine Technologies, LLC shall not be liable for any other damages whatsoever including indirect, incidental, or consequential damages. Some states do not allow limitation of how long an implied warranty lasts or an exclusion or limitation of incidental or consequential damages. so the above limitation of damages may not apply to you. This warranty provides the original purchaser with specific rights.

For information regarding those rights, please consult the applicable state laws.

METL Corporate Office - CORRESPONDENCE ONLY ATTN: Technical Service - METL 6700 Wildlife Way Long Grove, IL 60047

R

Federal and California Emissions Control Warranty Statement

This MAT Engine Technologies, LLC (METL) outdoor power equipment engine complies with the emissions regulations of:

Powermate® Model No.	Regulatory Agency
PCV43	Uni ed S a es Environmen al Pro ec ion Agency ("U S EPA") and S a e of California
PCVR43	

To the extent there is any conflict between this Emissions Control Warranty and the **METL** Limited Warranty, this Emissions Control Warranty shall apply except where the **METL** Limited Warranty may provide a longer warranty period.

YOUR WARRANTY RIGHTS AND OBLIGATIONS

State of California:

The California Air Resources Board and **MAT Engine Technologies, LLC (METL)** are pleased o explain he emissions con rol sys em warran y on your 2009 small off road engine (SORE) n California new SOREs mus be designed buil and equipped o mee he Saes ringen an i smog sandards **METL** mus warran he emissions con rol sys em on your SOREs for he periods of ime lised below provided here has been no abuse neglec or improper main enance of your SOREs

Save all instructions

Other U.S States / Territories:

n o her areas of he Uni es S a es your ou door power equipmen engine mus be designed buil and equipped so as o conform a he ime of sale o U S EPA emissions s andards for small off road spark igni ion engines a or below 19 kilowa s

All of the United States:

Your emission con rol sys em may include par s such as he carbure or or fuel injec ion sys em fuel lines he igni ion sys em and ca alv ic conver er Also included may be hoses bells clamps connec ors and o her emission related assemblies

Where a warran able condi ion exis s METL will repair your small off road engine a no cos o you including diagnosis par s and labor

Manufacturer's Warranty Coverage:

The emissions con rol sys em is warran ed for wo years f any emissions rela ed par on your engine is defec ive he par will be repaired or replaced by METL

Owner's Warranty Responsibilities:

- · As he SORE owner you are responsible for he performance of he required main enance lis ed in your owner s manual METL recommends ha you re ain all receip s covering main enance on your SORE by METL can no deny warran y solely for he lack of receip s or for your failure o ensure he performance of all scheduled main enance
- · As he SORE owner you should however be aware ha METL may deny your warran y coverage if your SORE or a par has failed due o abuse neglec improper main enance or unapproved modifica ions
- · You are responsible for presening your SORE oadis ribuion cener or service cener au horized by METL as soon as he problem exis s The warran y repairs should be comple ed in a reasonable amoun of ime no o exceed 30 days

If you have any questions regarding your warranty coverage, you should contact METL customer service:



f you need assistance or have any questions. CALL TOLL FREE: 1-800-737-2112

Save all instructions

Defects Warranty Coverage:

METL warran s o he original purchaser and each subsequen purchaser ha he small off road engine (SORE) (1) has been designed buil and equipped so as o conform wi h all applicable regula ions and (2) is free from defec s in ma erials and workmanship ha cause he failure of a warran ed par o conform wi h hose regula ions as may be applicable o he erms and condi ions s a ed below

- (a) The warran y period begins on he da e he engine is firs purchased The warran y period is wo years
- (b) Subjec o cer ain condi ions and exclusions as s a ed below he warran y on emissions rela ed par s is as follows
 - (1) Any warran ed par ha is no scheduled for replacemen as required main enance in your **Operator's Manual** is warran ed for he warran y period s a ed above f he par fails during he period of warran y coverage he par will be repaired or replaced by **METL** according o Subsec ion (4) below Any such par repaired or replaced under warran y will be warran ed for he remainder of he period
 - (2) Any warran ed par ha is scheduled only for regular inspec ion in your **Operator's Manual** is warran ed for he warran y period s a ed above Any such par repaired or replaced under warran y will be warran ed for he remaining warran y period
 - (3) Any warran ed par ha is scheduled for replacemen as required main enance in your **Operator's Manual** is warran ed for he period of ime before he firs scheduled replacemen dae for ha par f he par fails before he irs scheduled replacemen he par will be repaired or replaced by **METL** according o Subsec ion (4) below Any such par repaired or replaced under warran y will be warran ed for he remainder of he period prior o he firs scheduled replacemen poin for he par
 - (4) Repair or replacemen of any warran ed par under he warran y provisions herein mus be performed a a warran y s a ion a no charge o he owner
 - (5) No wi hs anding he provisions herein warran y services or repair will be provided a all of our dis ribu ion cen ers ha are franchised o service he subjec engines
 - (6) The engine owner mus no be charged for diagnos ic labor ha leads o he de ermina ion ha a warran ed par is in fac defec ive provided ha such diagnos ic work is performed a a warran y s a ion
 - (7) **METL** is liable for damages o o her engine componen s proxima ely caused by a failure under warran y of any warran ed par
 - (8) Throughou he engine warran y period s a ed above **METL** will main ain a supply of warran ed par s suf icien o mee he expec ed demand for such par s
 - (9) Any replacemen par may be used in he performance of any warran y main enance or repairs and mus be provided wi hou charge o he owner Such use will no reduce he warran y obliga ions of **METL**
 - (10) Add on or modified pars ha are no exempled by he Air Resources Board may no be used. The use of any non exempled add on or modified pars by he original or subsequen purchaser will be grounds for disallowing a warran y claims. **METL** will no be liable o warran failures of warran ed pars caused by he use of a non exempled add on or modified par.
 - (11) The manufac urer issuing he warran y shall provide any documen s ha describe ha warran y procedures or policies wi hin five working days or reques ed by he Air Resources Board

Save all instructions

Emission Warranty Parts List:

The repair or replacemen of any warran ed par o herwise eligible for warran y coverage may be excluded from such warran y coverage if METL demons ra es ha he engine has been abused neglec ed or improperly main ained and ha such abuse neglec or improper main enance was he direc cause of he need for repair or replacemen of he par Tha no wi hs anding any adjus men of a componen ha has a fac ory ins alled and properly opera ing adjus men limi ing device is s ill eligible for warran y coverage The following emissions warran y par s lis is covered

(1) Fuel Metering System:

- (a) Gasoline carbure or assembly and i s in ernal componen s (if so equipped)
- (b) Fuel fil er (if so equipped)
- (c) Carbure or gaske s
- (d) Fuel pump (if so equipped)

(2) Air Induction System including:

- (a) n ake pipe/manifold
- (b) Air cleaner
- (3) Ignition System including:
 - (a) Spark plug
 - (b) ani ion module/coil

(4) Catalytic Muffler Assembly (if so equipped) including:

- (a) Muf ler gaske
- (b) Exhaus manifold

(5) Crankcase Breather Assembly including:

(a) Brea her connec ion ube

(6) Miscellaneous items Used in Above Systems including:

- (a) Swi ches
- (b) Hoses bels connec ors and assemblies

Save all instructions

(C)

California Evaporative Emission Control Warranty Statement

YOUR WARRANTY RIGHTS AND OBLIGATIONS

The California Air Resources Board and **METL** are pleased o explain he evapora ive emission con rol sys em s warran y on your 2009 model year small off road engine (SORE) n California new SOREs mus be designed buil and equipped o mee he Saes ringen an i smog s andards **METL** mus warran he evapora ive emission con rol sys em on your SOREs for he period of ime lis ed below provided here has been no abuse neglec or improper main enance of your SOREs

Your evapora ive emission con rol sys em may include par s such as carbure ors fuel anks fuel lines fuel caps valves canis ers fil ers vapor hoses clamps connec ors and o her associa ed componen s

Manufacturer's Warranty Coverage:

This evapora ive emission con rol sys em is warran ed for wo years f any evapora ive emission rela ed par on your equipmen is defec ive he par will be repaired or replaced by **METL**

Owner's Warranty Responsibilities:

- As he SORE owner you are responsible for performance of he required main enance lis ed in your owners manual **METL** recommends ha you re ain all receips covering main enance on your SOREs by **METL** can no deny warran y solely for he lack of receips
- As he SORE owner you should however be aware ha METL may deny you warran y coverage if your SOREs or a par have failed due o abuse neglec or improper main enance or unapproved modifica ions
- You are responsible for presen ing your SOREs o dis ribu ion cen er or service cen er au horized by **METL** as soon as he problem exis s. The warran y repairs should be comple ed in a reasonable amount of ime not o exceed 30 days.

If you have any questions regarding your warranty coverage, you should contact METL customer service:



If you need assistance or have any questions, CALL TOLL FREE: 1-800-737-2112

Save all instructions

Defects Warranty Coverage:

- (a) The warran y period begins on he da e he engine is purchased
- (b) General Evapora ive Emissions Warran y Coverage The engine mus be warran ed o he ul ima e purchaser and any subsequen owner ha he evapora ive emission con rol sys em when ins alled was
 - (1) Designed buil and equipped so as o conform with all applicable regulations and
 - (2) Free from defec s in ma erials and workmanship ha causes he failure of a warran ed par for a period of wo years
- (c) The warran y on evapora ive emissions rela ed par s will be in erpre ed as follows
 - (1) Any warran ed par ha is no scheduled for replacemen as required main enance in he wri en ins ruc ions mus be warran ed for he warran y period defined in subsec ion (b) (2)
 - f any such par fails during he period of warran y coverage i mus be repaired or replaced by **METL** issuing he warran y Any such par repaired or replaced under he warran y mus be warran ed for a ime no less han he remaining warran y period
 - (2) Any warran ed par ha is scheduled only for regular inspec ion in he wri en ins ruc ions mus be warran ed for he warran y period defined in subsec ion (b) (2) A s a emen in such wri en ins ruc ions o he effec of "repair or replace as necessary" will no reduce he period of warran y coverage Any such par repaired or replaced under warran y mus be warran ed for a ime no less han he remaining warran y period
 - (3) Any warran ed par ha is scheduled for replacemen as required main enance in he wri en ins ruc ions mus be warran ed for he period of ime prior o he firs scheduled replacemen poin for ha par f he par fails prior o he firs scheduled replacemen he par mus be repaired or replaced by **METL** Any such par repaired or replaced under warran y mus be warran ed for a ime no less han he remainder of he period prior o he firs scheduled replacemen poin for he par
 - (4) Repair or replacemen of any warran ed par under he warran y provisions of his ar icle mus be performed a no charge o he owner a a warran y s a ion
 - (5) No wi hs anding he provisions of subsection (4) above warrany services or repairs mus be provided a dis ribu ion cen ers ha are franchised o service he subject engines or equipmen
 - (6) The owner mus no be charged for diagnos ic labor ha leads o he de ermina ion ha a warran ed par is in fac defec ive provided ha such diagnos ic work is performed a a warran y s a ion
 - (7) Throughou he evapora ive emission con rol sys ems warran y period se ou in subsec ion (b) (2) **METL** issuing he warran y mus main ain a supply of warran ed par s sufficien o mee he expected demand for such par s
 - (8) Manufac urer approved replacemen par s mus be used in he performance of any warran y main enance or repairs and mus be provided wi hou charge o he owner Such use will no reduce he warran y obliga ions of he manufac urer issuing he warran y
 - (9) The use of any add on or modified par s will be grounds for disallowing a warran y claim made in accordance with his article. The manufacturer issuing the warran y will no be liable under his Article to warran failures of warran ed parts caused by the use of an add on or modified par.
 - (10) **METL** issuing he warran y shall provide any documen s ha describe he warran y procedures or policies wi hin five working days of regues by he Execu ive Officer

Evaporative Emission Warranty Parts List:

(1) Fuel Tank