Manual #16061
Revised
09/21/21

OWNER'S / OPERATOR'S MANUAL

ASPHALT CRACK CLEANER

Models: ACC160H & ACC175K

- AND -

Brown Blower Attachments

for the Asphalt/Seal Coat Industry

BROWN PRODUCTS, INC
376 County Road 563 • Midland City, AL 36350
(800) 897-3726 • Fax: (334) 983-1606
http://www.brownproducts.com

INTRODUCTION

CONGRATULATIONS! You are now the owner of a Brown Asphalt Crack Cleaner.

READ THIS MANUAL CAREFULLY! This manual will help you learn how to operate and service your Asphalt Crack Cleaner correctly. Failure to read and follow the instructions of this manual could result in personal injury or equipment damage. This manual should be considered a permanent part of your Asphalt Crack Cleaner. All operators should read and follow these instructions prior to operating the Asphalt Crack Cleaner.

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

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SAFETY

WARNING: "This product contains Benzene and Methyl Isobutyl Ketone, chemicals known to the State of California to cause cancer, birth defects and reproductive harm." For more information go to www.P65Warnings.ca.gov

RECOGNIZE SAFETY INFORMATION

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

UNDERSTAND SIGNAL WORDS

CAUTION is used for general reminders of good safety practices

WARNING denotes a specific potential hazard.

DANGER is the most serious specific potential hazard.

These signal words are used in conjunction with the safety-alert symbol.

FOLLOW SAFETY INSTRUCTIONS

Read owner/operator manual.
Replace missing or damaged safety decals. Safety decals and this manual must be considered a permanent part of your **Asphalt Crack Cleaner**. Keep your **Asphalt Crack Cleaner** in proper repair. Safety decals, manuals and replacement parts are available through your BROWN dealer. Unauthorized modifications to the BROWN **Asphalt Crack Cleaner** are not recommended. This could impair the function, safety, and machine life. For any part of this manual that you do not understand, contact your BROWN dealer.

OPERATE ASPHALT CRACK CLEANER SAFELY

Do not let anyone operate crack cleaner without reading this manual.
Keep work area clear of people and pets.
Wear protective clothing and eye and footwear.
Do not use crack cleaner unless all guards are in place.
Reduce ground speed on slopes, rough ground, and corners.
Operate crack cleaner from handle bar position only.
Disengage brush prior to starting engine.
Do not run engine indoors.
Do not put hands or feet near or under brush.
Do not touch muffler or other hot parts.
Do not lift crack cleaner when engine is running.
Do not leave crack cleaner unattended when engine is running.

WEAR PROTECTIVE CLOTHING

Wear close-fitting clothing appropriate for the job.
Wear a hearing protective device to protect from loud or uncomfortable noise.
Wear proper eye protection. Safety goggles are supplied with each BROWN **Asphalt Crack Cleaner**.
Wear appropriate foot wear.
Wear gloves when changing or replacing brushes.

HANDLE FUEL SAFELY

Fuel is highly flammable. Handle with care.

Stop engine before refueling.

Do not refuel while smoking or near open flames.

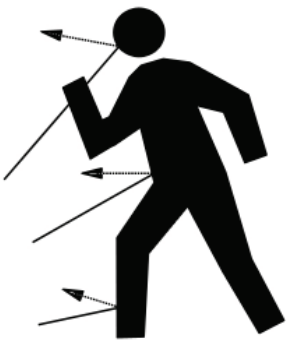
Always fill fuel tank outdoors.

Keep crack cleaner clean of oil, grease, and dirt.

Clean up spilled fuel immediately.

Never store machine where fumes may reach flame or spark.

AVOID INJURY FROM THROWN OBJECTS



Before operating crack cleaner:

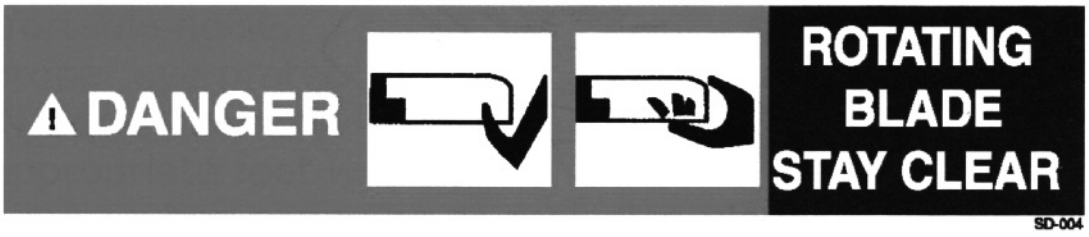
Be sure all guards are in place.
Clear all objects and debris that may be thrown by brush from cleaning area.
Clear area of people and pets.

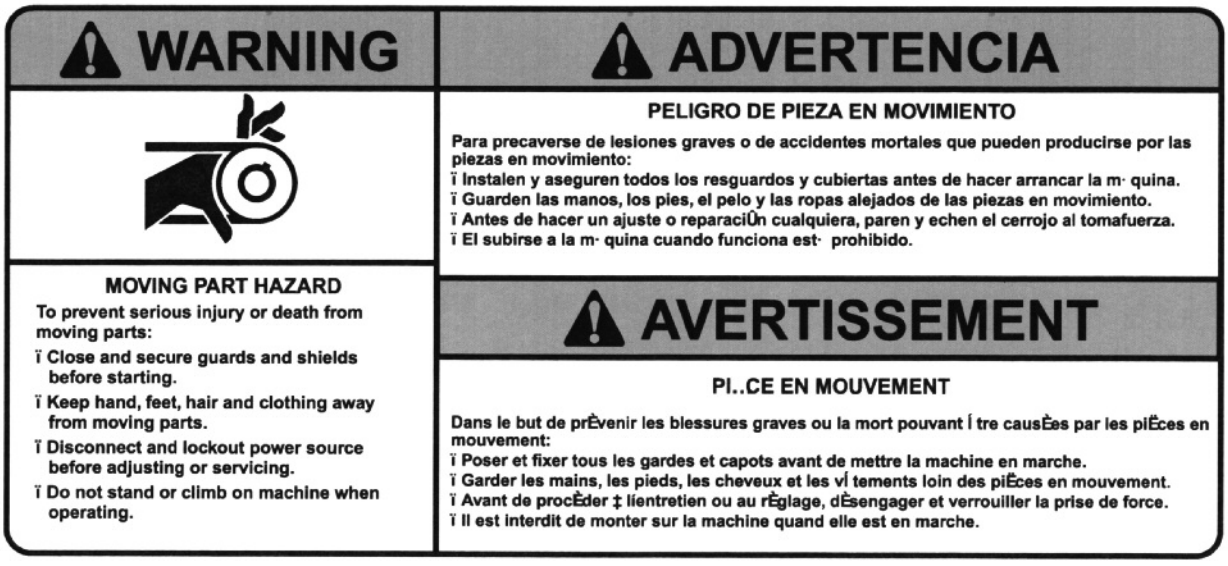
AVOID ROTATING BRUSH

Be sure brush guard is in place.

Do not put hands or feet near brush while engine is running.

READ AND FOLLOW SAFETY SIGNS





OPERATING INSTRUCTIONS

NOTICE: NEW ENGINES SHIPPED WITH MACHINES ARE NOT SERVICED. ADD OIL TO CRANKCASE BEFORE STARTING.

WARNING: GASOLINE IS EXTREMELY FLAMMABLE AND IS EXPLOSIVE UNDER CERTAIN CONDITIONS.

NOTE: FOR FURTHER INFORMATION CONCERNING THE SAFETY, OPERATING, MANTENANCE, ETC. OF THE PARTICULAR ENGINE SUPPLIED WITH YOUR BROWN Asphalt Crack Cleaner, SEE THE ENGINE OWNER'S MANUAL THAT IS SUPPLIED TO YOU WITH THE Asphalt Crack Cleaner.

BEFORE STARTING ENGINE

1. **CHECK MACHINE**
   - A. Read and be familiar with equipment operating instructions.
   - B. Be sure you have the proper brush for your cleaning purpose. The crack cleaner will accommodate brushes up to 10" diameter. The brush must have a 3/4" arbor hole. (Bushings provided with Brown brushes)
   - C. Check brush retaining nut for tightness. Tighten brush hand tight with an eight inch wrench. Do not overtighten nut if an impact wrench is used.
   - D. Be sure belt and pulleys are properly aligned and adjusted. Be sure belt stops are properly adjusted.
   - E. Check brush guard for proper alignment and tightness.
   - F. Check all other nuts and bolts for tightness.

2. **CHECK ENGINE**
   - A. Read and be familiar with manufacturer's operating and safety instructions for engine.
   - B. Check oil level and add if necessary. Do not over-fill.
   - C. Check air filter and clean frequently.
   - D. Use only clean unleaded fuel. We recommend non-ethonal fuel.
   - E. Be sure muffler and exhaust deflector are installed, are in proper position, and are in good operating condition.

3. **ADJUST SWIVEL HEAD**

CAUTION! Adjust swivel head before starting engine.

A. With brush in upmost position and engine off pull lock pin and rotate brush head to desired position.
B. Brush will operate in 2 positions. 90º straight up and approximately 18º to the left.
C. Proceed with operating procedures.

4. **START ENGINE -** Refer to engine operating manual.

WARNING: Do not operate the machine until area is cleared of people, pets, automobiles, etc. that might be damaged by projectiles.

WARNING! Do not operate machine without Brush guard in place.

WARNING: Operator must wear eye protection when operating the Asphalt Crack Cleaner. (Eye goggles are provided with each machine.)

5. **ENGAGE BRUSH / SET DEPTH**

CAUTION! Brush will begin to turn when the belt tensioner lever is moved forward.

A. Move belt tensioner lever forward to tighten belt and set cleaning depth.
B. Insert locking pin into appropriate hole for desired cleaning depth.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
A. Engine does not start.	1. Engine switch in "OFF" position. 2. Engine flooded. 3. Out of fuel. 4. Spark plug wire loose or disconnected 5. Defective spark plug.	1. Switch to "ON" position. 2. Open choke completely. 3. Fill fuel tank. 4. Reconnect wire 5. Replace spark plug.
B. Other engine problems.	1. ----------	1. See engine owner manual.
C. Burning belts.	1. Pulleys worn excessively. 2. Pulleys out of alignment. 3. Belt stops not properly adjusted. 4. Engine RPM too high.	1. Replace pulley 2. Realign pulley 3. Adjust belt stops. 4. Adjust engine RPM to 3200 RPM.
D. Excessive vibration.	1. Brush bent or broken. 2. Brush bearings worn.	1. Replace brush. 2. Replace bearings

WARRANTY STATEMENT

LIMITED WARRANTY

BROWN PRODUCTS INC. hereby warrants that Brown's products will be free from defects in material and workmanship under normal use according to the provisions and limitations herein set forth. All parts, specifically EXCLUDING expendable "wear" parts, that become unserviceable, due to defective material or workmanship, within one year / 12 months from date of the original retail purchase, shall, at Brown's option, be repaired or replaced.

LIMITATIONS

The obligations of Brown for breach of warranty shall be limited to products manufactured by Brown; (1) that are installed, operated, and maintained according to Brown's instruction furnished and/or available to the purchaser upon request; (2) that are installed according to all other applicable Federal, State, and Local codes or regulations; and (3) that the purchaser substantiates were defective in material and workmanship notwithstanding that they were properly installed and correctly maintained as set forth and were not abused or misused.

The obligation of Brown shall be limited to replacing or repairing the defective product, at the option of Brown. Brown shall not be responsible for any labor or cost of removal or repairing or re-installment of its products and shall not be liable for transportation costs to and from its plant in Midland City, Alabama.

Use of parts for modification or repair of the Asphalt Crack Cleaner or any component part thereof not authorized or manufactured by Brown specifically for the Asphalt Crack Cleaner shall void this warranty.

This warranty shall not apply to any damage to or caused by; (1) FORCE MAJEURE, Act of God, or other accident not related to an inherent product defect; or (2) abuse, misuse, or neglect of the Asphalt Crack Cleaner, including any damage caused by improper assembly, installation, adjustment, or faulty instruction of the purchaser.

Other than as expressly set forth hereinabove, Brown makes no other warranty, express or implied, with respect to the Asphalt Crack Cleaner, including but not limited to any merchantability or fitness for a particular purpose.

In no event shall Brown be responsible for any incidental or consequential damages of any nature suffered by purchaser or any other person or entity caused in whole or in part by the Asphalt Crack Cleaner.

Any person or entity to whom this warranty extends and who claims breach of warranty against Brown must bring suit thereon within one year from the date of occurrence of such breach of warranty or be forever barred from any and all legal or other remedies for such breach of warranty.

Brown is not responsible for and hereby disclaims any undertaking, representation, or warranty made by any dealer, distributor, or other person that is inconsistent with or in any way more expansive than the provisions of this limited warranty.

This warranty grants specific legal rights and shall be read in conformity with applicable state law. In some jurisdictions, the applicable law mandates warranty provisions that provide greater rights than those provided herein. In such case, this limited warranty shall be read to include such mandated provisions; and any provision herein that is prohibited or unenforceable in any such jurisdiction shall, as to such jurisdiction, be ineffective to the extent of such prohibition or un-enforceability without invalidating the remaining provisions and without affecting the validity of enforceability of such provisions in any other jurisdiction(s).

STATEMENT OF POLICY

In accordance with our established policy of constant improvement, we reserve the right to amend these specifications at any time without notice.

ENGINE WARRANTY

Warranty of all engines and engine parts is the sole responsibility of the particular engine manufacturer. See engine warranty in the engine manual. Engine problems must be checked and approved for warranty by an authorized engine manufacturer's service center. Brown Products Inc. is not an authorized service center for any engine manufacturer and accepts no responsibility for engine warranties, either expressed or implied.

WARRANTY BY MANUFACTURER

Dealer/distributor understands and agrees that the manufacturer extends only the following warranty to its customers. In the event dealer/distributor extends any additional warranty such as enlarging the scope or period of warranty or undertaking a warranty of fitness for any particular purpose or obligation not encompassed in manufacturer's warranty, dealer/distributor shall be solely responsible therefore and shall have no recourse against manufacturer with respect thereto.

SERVICE

1. ENGINE SERVICE

A. See owner's manual for service, maintenance requirements and procedures for engine.

2. CRACK CLEANER

A. Check all nuts and bolts for proper tightness before initial operation and periodically thereafter.

B. Check brush periodically. If worn excessively, replace.

C. Check belt for wear. If necessary, replace.

D. Check tension on belt and adjust if necessary.

WARNING! MAKE CERTAIN THAT BRUSH BOLT AND NUT ARE TIGHT AND IN GOOD CONDITION. INSPECT FREQUENTLY.

Asphalt Crack Cleaner Owner's Warranty Card

Name _____ Model _____

Address _____ Serial Number _____

City, State _____ Date Purchased _____

Phone _____ Dealer _____

E-Mail _____

IMPORTANT: TO PLACE THE BROWN WARRANTY INTO EFFECT, THIS WARRANTY CARD MUST BE COMPLETED AND MAILED WITHIN 30 DAYS AFTER RECEIVING THIS EQUIPMENT OR REGISTER AT BROWNPRODUCTS.COM/WARRANTY-REGISTRATION

BROWN PRODUCTS, INC

376 COUNTY ROAD 563 • MIDLAND CITY, AL 36350

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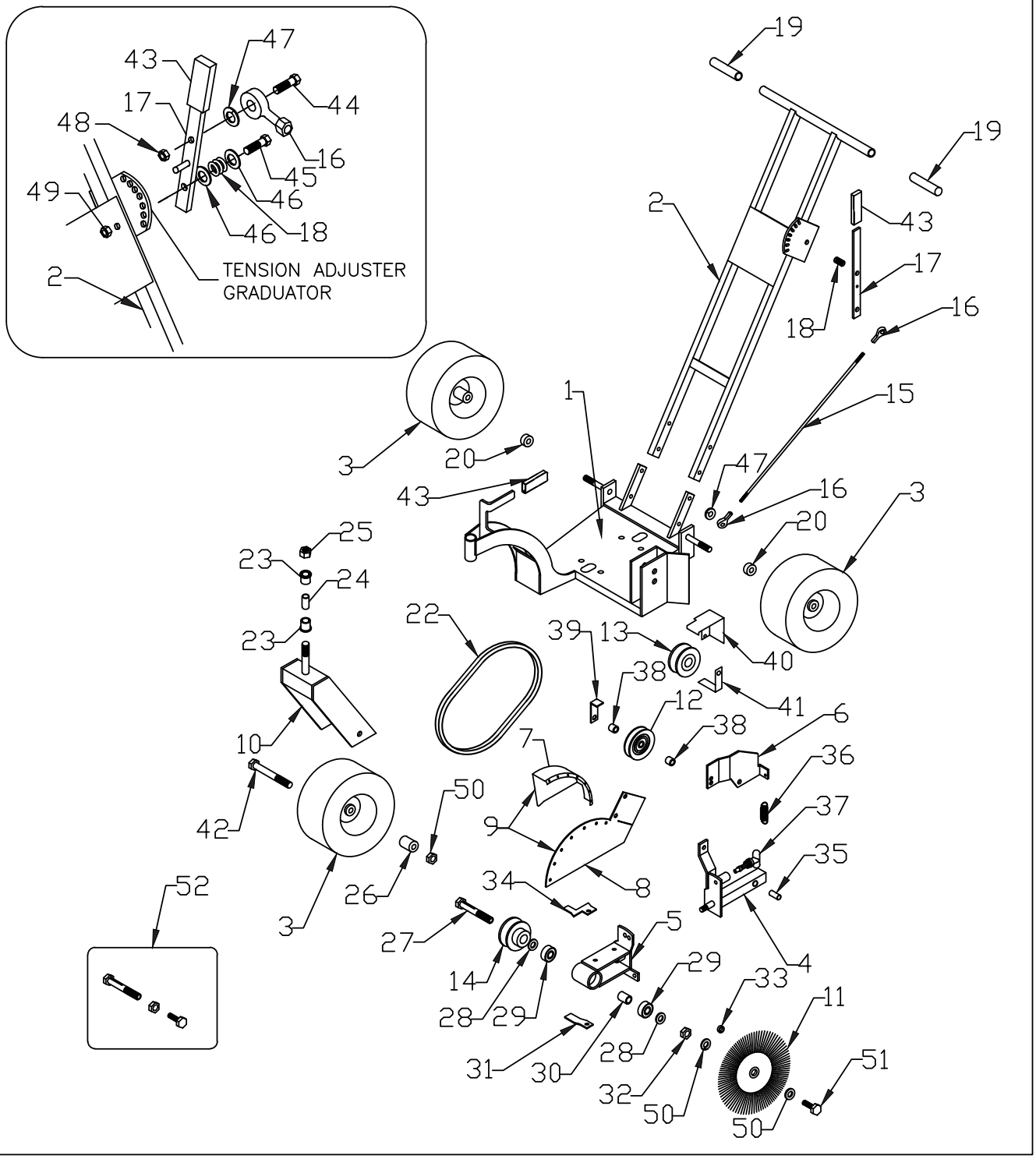
ASPHALT CRACK CLEANER
MODELS ACC160H & ACC175K



Ashphalt Crack Cleaner
Model # ACC160H & ACC175K

Ref #	Part #	Description	# Req'd
1	250-013	Frame, Welded Assembly	1
2	E100-003	Handle Assy	1
3	250-751	Tire w/Wheel, Solid Rubber	3
4	250-014	Bearing Arm, Welded Assembly	1
5	250-015	Bearing Arm, Swivel Head, Welded Assembly	1
6	250-262	Idler Arm	1
7	250-016	Brush Guard, Welded Assembly	1
8	250-753	Drape, Brush Guard	1
9	250-017	Brush Guard W/Drape (Assembly)	1
10	250-012	Fork, Swivel Wheel	1
11	250-752	Brush, 8", Knot Wire	1
12	250-755	Pulley, Idler, Drive Belt	1
13	701-02-2	Pulley, Engine	1
14	250-757	Pulley, Brush Spindle	1
15	E200-008	Rod, Belt Tensioner Control	1
16	E100-009	Rod End	2
17	E100-07	Handle, Belt Tensioner/Depth Control	1
18	E100-036	Spring, Control Lever	1
19	12-02	Handle Grip	2
20	E200-041	Spacer, Rear Wheels	2
22	250-756	Belt, Drive (1/2 x 37) A35K/4L370K	1
23	702-27A	Bearing, Fork, 3/4"	2
24	250-010	Spacer, Fork Bearing	1
25	NTE34CZ	3/4" - 10 Nylok Jam Nut (Fork)	1
26	250-011	Spacer, Swivel Wheel	1
27	250-502	Spindle, Brush, Drilled & Threaded for 1/2"-20 Brush Bolt	1
28	WSA34Z	Washer, 3/4" SAE Flat	2
29	450-751	Bearing, Brush Spindle	2
30	450-004	Spacer, Brush Spindle Bearings	1
31	250-007	Belt Stop, Lower, Brush Pulley	1
32	HN534FZ	Nut, 3/4" - 16 Hex, Fine Thread	1
33	250-018	Bushing, Wire Brush, Used only with 3/4" diameter spindle	1
34	250-263	Belt Stop, Upper, Brush Pulley	1
35	E200-018	Pivot Bushing, Spindle Arm	1
36	12-05	Spring, Idler Arm	1
37	470-753	Pop Pin, Swivel Head	1
38	250-019	Spacer, Idler Pulley	2
39	250-008	Belt Guide, Idler Pulley	1
40	E200-013	Belt Guard, Rear	1
41	E200-040	Belt Stop, Engine Pulley	1
42	HC510C88Z	Bolt, 5/8-11 x 5-1/2"	1
43	E100-026	Handle Grip, Lever	2
44	HC56C24Z	7/16" - 14 x 1-1/2" Hex Bolt (Control Rod #15)	1
45	HC58C40Z	1/2" - 13 x 2-1/2" Hex Bolt (Handle, Control Rod #17)	1
46	WSA50Z	1/2" SAE Flat Washer (Handle, Control Rod #17)	2
47	LOC716Z	7/16" Lock Washer (Control Rod #15)	2
48	NNE716CZ	Nut, Nylok, 7/16" - 14 (Control Rod #15)	1
49	NNE5CZ	Nut, Nylok, 1/2" - 13 (Handle, Control Rod #17)	1
50	WUS34Z	Washer, 3/4" Flat	2
51	HC88F20Z	Bolt, 1/2"-20 X 1-1/4", Fine Thread, Grade 8	1
52	250-20	Kit to change from 3/4" Brush to 1/2" W/O Washers	1

ASSEMBLY INSTRUCTIONS

ASPHALT CRACK CLEANER MODEL ACC160H/ACC175K

Refer to references and drawing on page 12.
Bolts, nuts and washers provided.

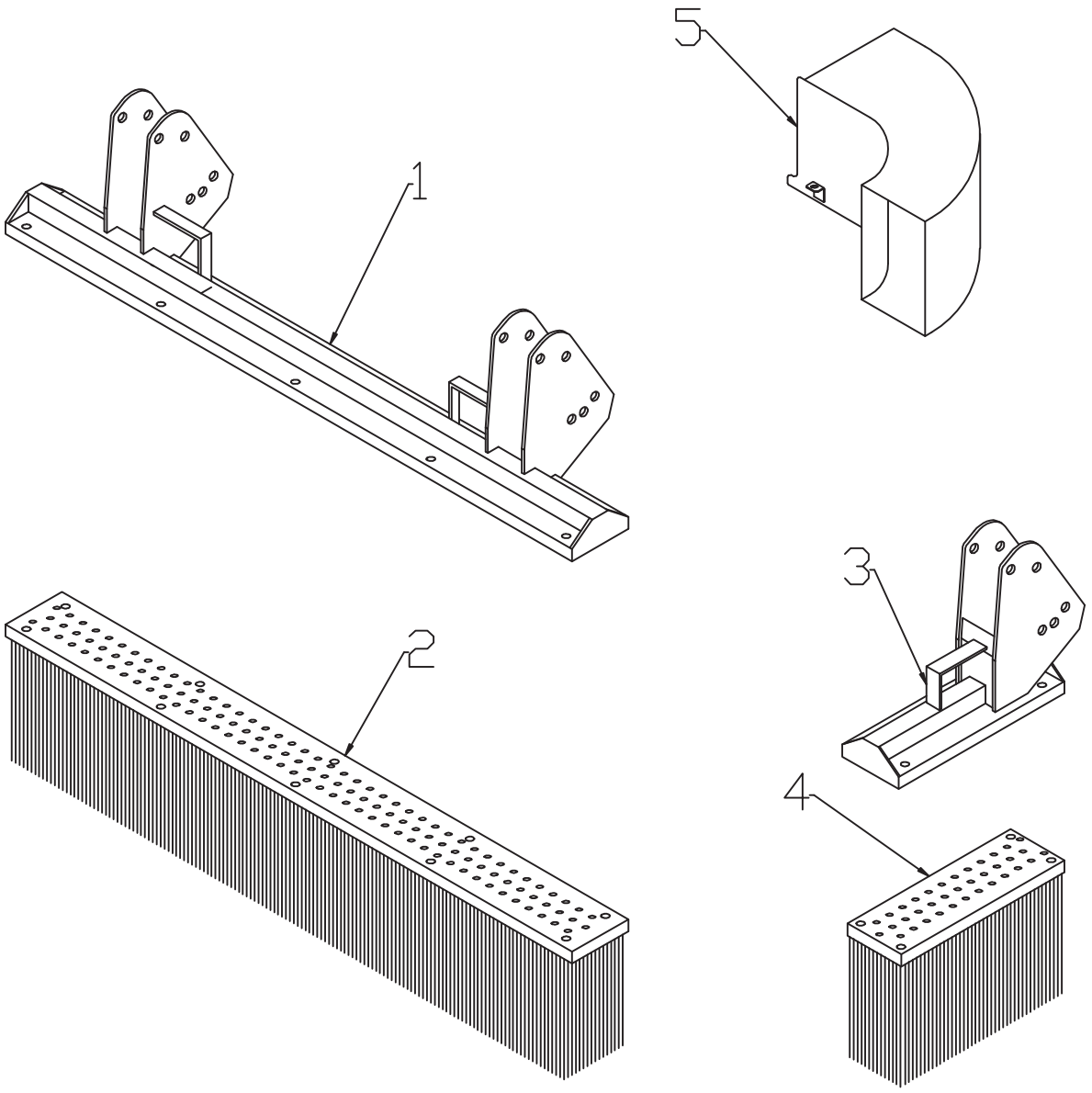
STEP 1 :
Bolt the handle (2) to the frame (1) using four 3/8" x 2" bolts with nylon lock nuts.

STEP 2 :
Install the belt tensioner control rod (15) by attaching the control rod end (16) through the ½" hole located on the belt tensioner lever (17) using a 7/16" x 1 ½" bolt, 7/16" lock washer and 7/16" nylon lock nut. This 7/16" lock washer also serves as a spacer between the tensioner lever (17) and the control rod end (16). The control rod end (16) should be mounted onto the outer side of the handle. The control rod should be preset to 36" center to center between control rod ends.

STEP 3 :
Attach the lower control rod end (16) to the inner side of the bearing arm (4) control bar using a 7/16" x 1 ½" bolt, 7/16" lock washer and a 7/16" nylon lock nut. This 7/16" lock washer also serves as a spacer between the spindle control bar and the control rod end.

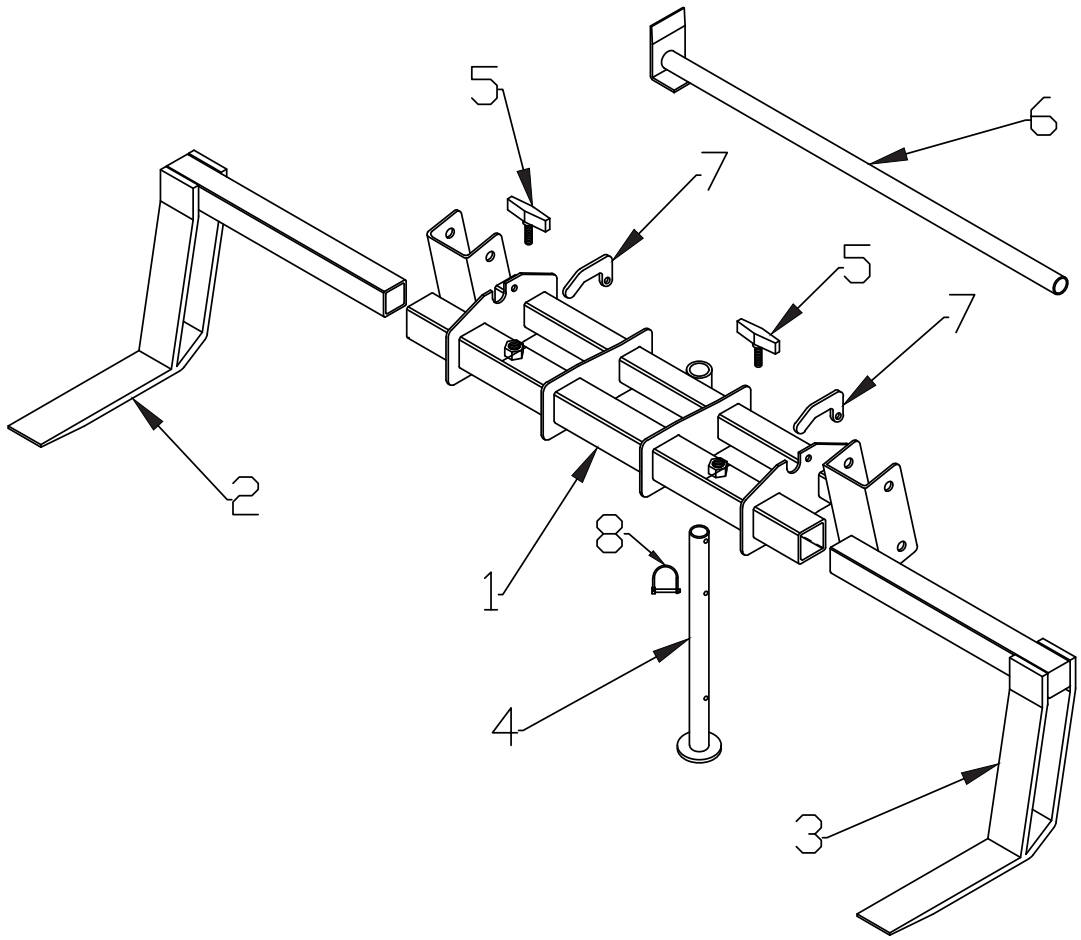
STEP 4 :
Add unleaded gasoline and oil as directed in the engine manual. Read engine and Asphalt Crack Cleaner operating instructions before operating.

SBAB954ALU 54″ LATERAL ASPHALT BRUSH AND SBAB915ALU 15″ LONGITUDINAL ASPHALT BRUSH



ITEM #	PART NUMBER	DESCRIPTION	#REQ'D
1	254-003	MAIN FRAME WELDED ASSEMBLY	1
2	254-751	BRUSH, 9″ X 54″	1
2	252-751	BRUSH, 9″ X 46″	1
3	253-002	MAIN FRAME WELDED ASSEMBLY	1
4	253-751	BRUSH, 9″ X 15″	1
5	352-002	BLOW FORWARD ATTACHMENT	1

PLCF4260 PARKING LOT CURB FORKS



ITEM #	PART NUMBER	DESCRIPTION	#REQ'D
1	251-010	MAIN FRAME, WELDED ASSEMBLY	1
2	251-006	FORK, RH, WELDED ASSEMBLY	1
3	251-007	FORK, LH, WELDED ASSEMBLY	1
4	358-036	STAND PIPE, WELDED ASSEMBLY	1
5	251-751	TEE KNOB	2
6	251-014	PRY BAR, PARKING CURB	1
7	251-253	LATCH, PRY BAR HOLDER	1
8	351-753	PIN, PTO LOCK	1

NOTES

NOTES

BROWN PRODUCTS, INC ASPHALT/TOP COAT PRODUCTS

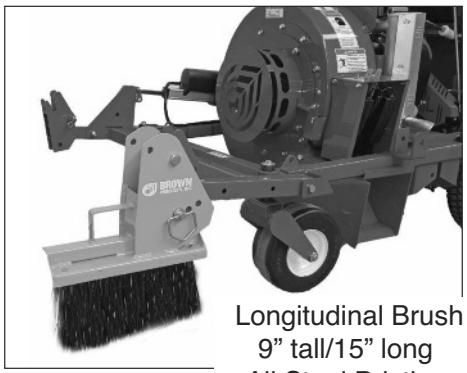
BLOWER VAC
Model #BVZ4000K
Available w/Kohler Eng.

Model #BVZ4001HX
w/ALU4000
(shown /Honda Eng.)

SPECIFICATIONS:
ZTR (zero turn radius)
Speed 8 mph
Blower Velocity 155 mph+
Blower Volume 6200 cfm+
Hydro-Gear ZT3100 drives

Blower-Vac
w/Lateral Brush
9" tall/54" wide
All Steel Bristles

Asphalt Crack Cleaner w/Tilting Brush
Available w/Honda <5.5hp
or Kohler 5.5hp Engine
w/8" Knotted Wire Brush



Longitudinal Brush
9" tall/15" long
All Steel Bristles

Blower-Vac
w/Parking Lot Curb Forks
Adjustable Width from
42" to 60"

376 C.R. 563 • MIDLAND CITY, AL 36350 • www.brownproducts.com • 1.800.897.3726

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