

TRENCH **MASTER**

Revised 06/2021

Manual #13841

Owners - Operators Manual

FEATURED MODEL #'s

F-704

F-904

F-781

F-791

F-991

F-1202



 **BROWN**
PRODUCTS, INC.™

TRENCHMASTER®

INTRODUCTION

You are now the owner of a Brown TRENCHMASTER®. The TRENCHMASTERS® are very versatile trenchers which, when properly equipped, will trench in almost any soil condition. The TRENCHMASTER® is an inexpensive alternative to the much heavier, more bulky and less maneuverable trenchers on the market.

This TRENCHMASTER® was manufactured by Brown Products, Inc. which has been in the development and production of quality farm equipment, right-of-way maintenance equipment and outdoor power equipment since 1943. Brown is proud of the reputation it has earned for quality products and customer service.

If you have any questions or problems with your TRENCHMASTER®, please contact your dealer or distributor. If they cannot answer your questions or solve your problem, feel free to call:



376 County Road 563, Midland City, AL 36350

(800) 897-3726 • Fax: (334) 983-1606

<http://www.brownproducts.com>

WARRANTY STATEMENT

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 manufacturers service center. Brown Products, Inc. is not an authorized service center for any engine manufacturer and accepts no responsibility for engine warranties, either express 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.

WARRANTY

LIMITED WARRANTY

Brown Products, Inc. hereby warrants that Brown's TRENCHMASTER® 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 within one year (12 months) from date of purchase, shall be repaired or replaced at Brown's option - at no cost to purchaser.

LIMITATIONS

The obligation of Brown for breach of warrant 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 reinstallation 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 TRENCHMASTERS® or any component part thereof not authorized or manufactured by Brown specifically for the TRENCHMASTERS® shall void this warranty. This warranty shall not apply to any damage to or defect in TRENCHMASTERS® that is directly or indirectly caused by (1) FORCE MAJEURE, Act of God or other accident not related to an inherent product defect, of (2) abuse, misuse or neglect of the TRENCHMASTER®, including any damage caused by improper assembly, installation, adjustment, service maintenance 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 TRENCHMASTER®, including but not limited to any warranty of merchantability or fitness for a particular purpose. And 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 TRENCHMASTER®. 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 for herein. In such case, this limited warranty shall be read to include such mandates 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 unenforceability without invalidating the remaining provisions and without affecting the validity or enforceability of such provisions in any other jurisdiction(s).



SPECIFICATIONS

Model	F-704H6.5 F-704K7	F-904H9.0 F-904K9.5	F-1202H13
Honda Engines	GX200 (6hp)	GX270 (9hp)	Honda GX390
Kohler Engines	Kohler 7hp	Kohler 9.5hp	^{w/6:1 Reduction}
Weight	145 lbs	170 lbs	315 lbs
Wheels	Steel With Pneumatic Tires		
Drive	Double Belt and Pulley System		
Rate	Up to 25 Feet Per Minute <i>(Depends on Soil Conditions)</i>		
Max. Depth	7 inches	9 inches	12 inches
Max. Width	1/2 to 2 inches	1/2 to 3 inches	1/2 to 4 1/2 inches



SPECIFICATIONS

	F-791	F-991H, K & F-9101Y
Engines	Honda GX270, Kohler CH395 or Yamaha 10hp	
Weight	170 Lbs.	175 Lbs.
Overall Width	30"	30"
Wheels	Steel w/ Pneumatic Tires	Steel w/ Pneumatic Tires
Drive	Double Belt & Pulley System	
	Trenching Rate:	Trenching Rate:
Bed Edging	10 - 30 Ft. Per Min.	10 - 30 Ft. Per Min.
Trenching	Up to 30 Ft. Per Min.*	Up to 30 Ft. Per Min.*
Trench Depth*	2 to 7 inches	2 to 9 inches
Trench Width*	1/2 to 9 inches	1/2 to 9 inches

* Determined by rotor choice
 ** Engine color may vary; red or black

TrenchMaster® Owner's Warranty Card

Name _____ Model _____
 Address _____ Serial Number _____
 City _____ Date Purchased _____
 State _____ TrenchMaster® Dealer _____

IMPORTANT: TO PLACE THE BROWN WARRANTY INTO EFFECT, THE WARRANTY INFORMATION MUST BE COMPLETED AND SUBMITTED WITHIN 30 DAYS AFTER RECEIVING THIS EQUIPMENT. SUBMIT BY MAIL OR AT WWW.BROWNPRODUCTS.COM



For additional information and inquiries, please contact: _____



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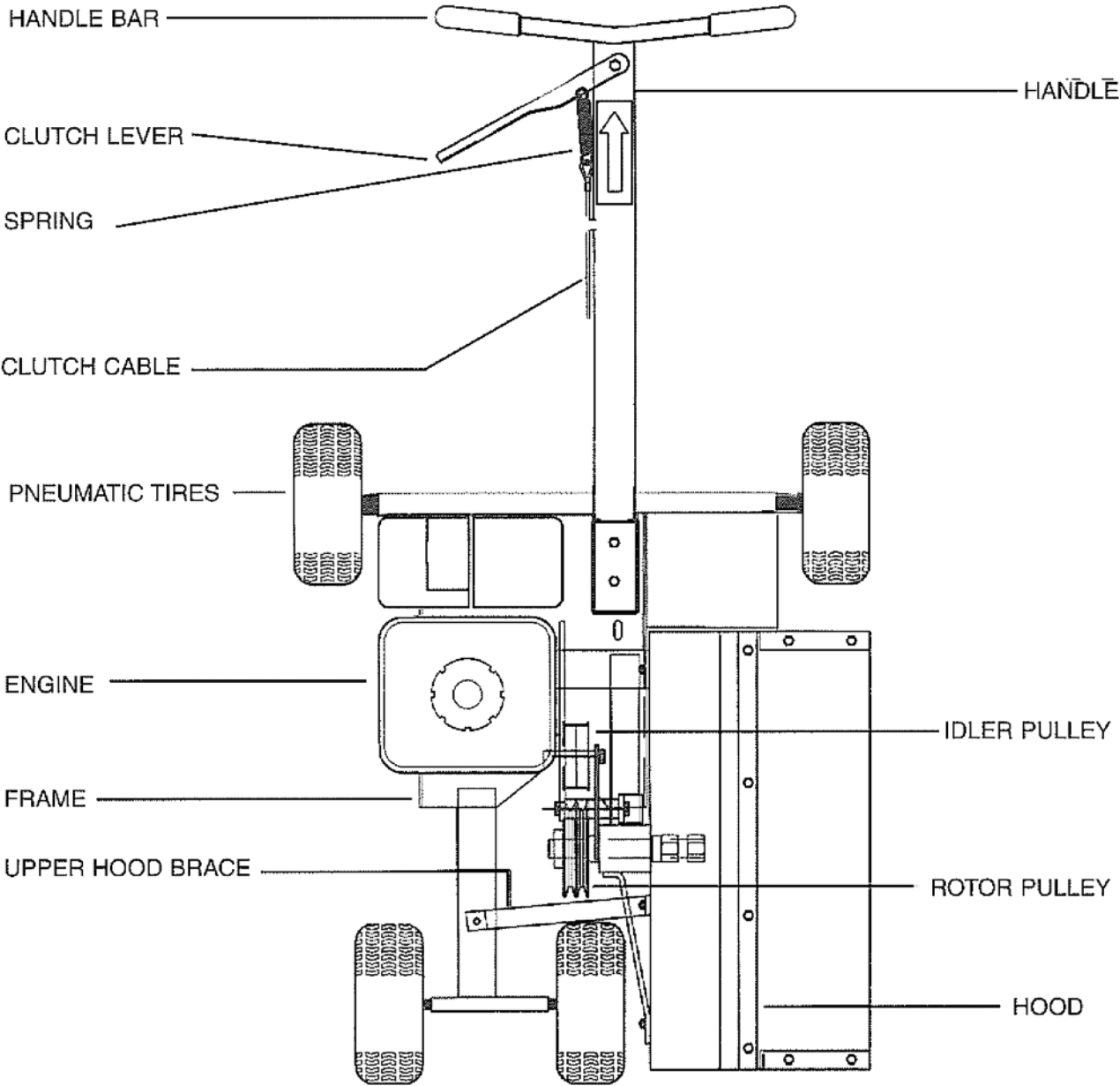
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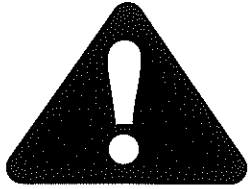
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GETTING ACQUAINTED WITH YOUR BROWN TRENCHMASTER®

FIGURE #1



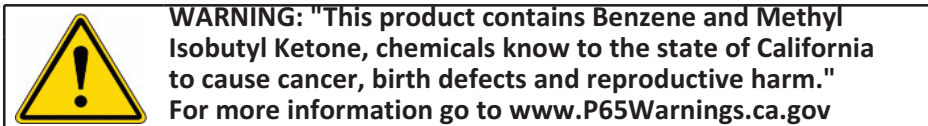


WARNING

SAFETY PRECAUTIONS



WARNING: Engine exhaust from this product contains chemicals known, in certain quantities, to cause cancer, birth defects, or other reproductive harm.



DO NOT assemble TRENCHMASTER® before reading assembly instructions.

DO NOT start TRENCHMASTER® before reading operating instructions.

DO NOT modify TRENCHMASTER® in any way.

DO NOT operate without all shields in place.

DO NOT operate without eye protection. Goggles are provided with each TRENCHMASTER®

DO NOT lift trencher off the ground until engine is switched off and rotor has stopped.

DO NOT drop the TRENCHMASTER® to the ground from truck tailgate or bed of trailer.

DO NOT operate unless safety area is clear of people, animals, vehicles, and glassed areas that may be damaged by possible projectiles. (See Soil & Debris Exhaust chart showing areas of possible projectiles.)

DO NOT begin operation until all underground pipes, electrical and communications lines and sprinkler lines have been located and marked. The utility companies will be glad to provide information on their facilities. A ruptured gas line or cut electrical cable may cause injury or death.

DO NOT place hands or feet near belts or rotor mechanisms while engine is running.

DO NOT operate TRENCHMASTER® without wearing proper shoes (high top leather shoes or boots are recommended).

DO NOT allow bystanders or spectators to be within 50 feet of TRENCHMASTER® while engine is running. (See Soil & Debris Exhaust chart showing areas of possible projectiles).

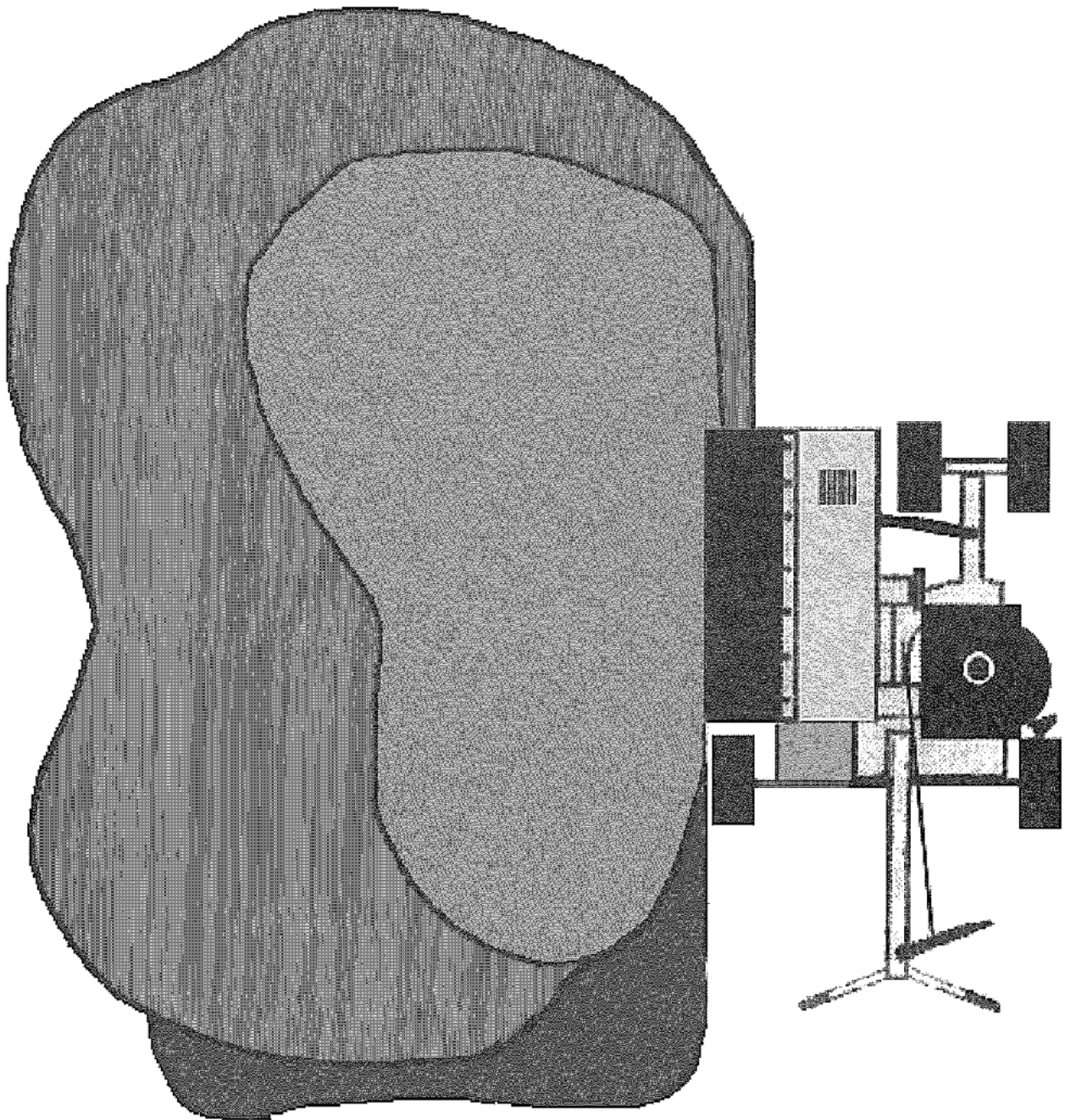
DO NOT operate TRENCHMASTER® until all surface obstructions have been cleared from area. All rocks and debris should be removed from the area.

DO NOT disconnect oil alert on engines. To do so may void your engine warranty.

**TRENCHMASTER®
SOIL & DEBRIS EXHAUST CHART**

FIGURE #2

SAFETY PRECAUTIONS



OPERATING INSTRUCTIONS

Brown TRENCHMASTER®

BEFORE STARTING ENGINE

1. Check machine
 - a. Read and be familiar with equipment operating instructions.
 - b. Be sure you have the proper rotor for trench size and soil conditions. (See equipping your TRENCHMASTER® for varying conditions, Page 6-1.)
 - c. Check rotor retaining nut for tightness. (See Assembly Instructions)
 - d. Be sure belts and pulleys are properly aligned and adjusted.
 - e. Check hood mounting bolts and nuts for tightness.
 - f. Check set screws in pulleys & lock collars for tightness.
 - g. Check all other nuts and bolts for tightness.
 - h. Check Clutch Cable tension. Tension is adjusted using the turnbuckle so that the clutch spring stretches approximately 3/4" to 1" for 7" & 9" models or 1" to 1-1/4" for 12" models when the clutch lever is completely engaged.
 - i. If your TRENCHMASTER® is equipped with a rock rotor, the points must be loose and free to rotate. There should be 3/32" - 1/16" clearance between nut and point socket. (See Illustration on page 3-3.)
2. Check machine



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



WARNING: Gasoline is extremely flammable and highly explosive under certain conditions. Always stop the engine and do not refill tank while you are smoking or near open flame or sparks.



WARNING: Never start or run the engine while in an area where fumes may collect. Carbon monoxide from the exhaust is an odorless and deadly gas which must have adequate space or ventilation to allow rapid dispersal.

-
- a. Be familiar with manufacturer's operating and safety instructions for engine.
 - b. Check oil level with dipstick and add if necessary. Do not overfill.
 - c. Check air filter and clean if necessary. Clean frequently if operating in dusty conditions.
 - d. Use only clean fuel. Unleaded fuel is recommended in all engines.
 - e. Be sure muffler and exhaust deflector are installed, are in proper position, and are in good operating condition. (Deflector should exhaust to left, away from the air intake.)
3. Start engine
 - a. Be sure clutch lever is in disengaged position and no tension is on drive belts.
 - b. Turn ignition switch to "ON" position.
 - c. Close choke if engine is cold.

Starting Engine Continued

- d. Pull start cord rapidly.
- e. When engine starts, gradually open choke and let engine warm up at about 1/4 speed.



WARNING: Do not operate machine without rotor hood installed and secure.



WARNING: Do not operate the machine within a 50' radius of people, animals, automobiles or glassed areas which might be damaged by projectiles.



WARNING: Operator must wear eye protection when operating the TRENCHMASTER®.



WARNING: Operator must locate and stay clear of all underground gas, electric, water and communications lines before starting trenching operation.

CALIFORNIA PROPOSITION 65 WARNING: Engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

4. Operation
 - a. **To start trenching, set throttle full open.** Before engaging the clutch lever, the handle must be pushed toward the ground enough to allow the rotor to turn without hitting the ground. When rotor attains operating speed, the handle should be raised slowly so that the rotor engages the ground and gradually digs to trench depth.
 - b. When trench depth is achieved, the operator should **pull the machine to the rear** at such a speed that the trencher will dig without overloading the engine.



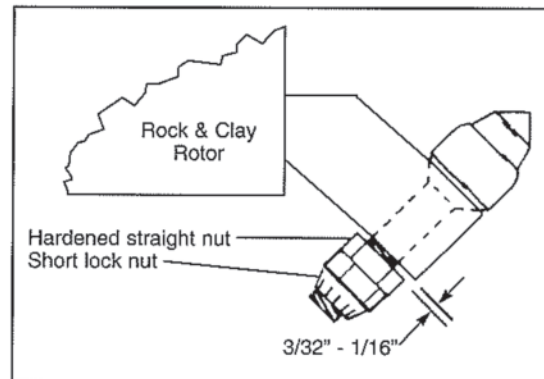
WARNING: Starting the trench is the most critical time for dangerous flying projectiles. Be especially cautious by policing the area for rocks or other possible projectiles and ensure the area is completely clear of people, animals, vehicles, etc. that may be damaged by projectiles.

-
- c. When trenching, **if trencher strikes an underground object, stop immediately** to determine what the object is. Investigation should be done visually since touching an exposed electric wire could be fatal.
 - d. When trencher strikes a rock either the trench or rock should be moved unless your trencher is equipped with the rock rotor. If it has the rock rotor, then proceed slowly with a constant pressure against the rock. If the rock doesn't begin to crush or move after a few seconds, it may be necessary to remove the rock because the rock rotor can't cut through rock requiring more than 10,000 P.S.I. to crush.
 - e. When digging in extremely hard clay or other difficult soils, it may sometimes be necessary to use an oscillating action by applying and releasing pressure on handlebar, front to rear, alternately.

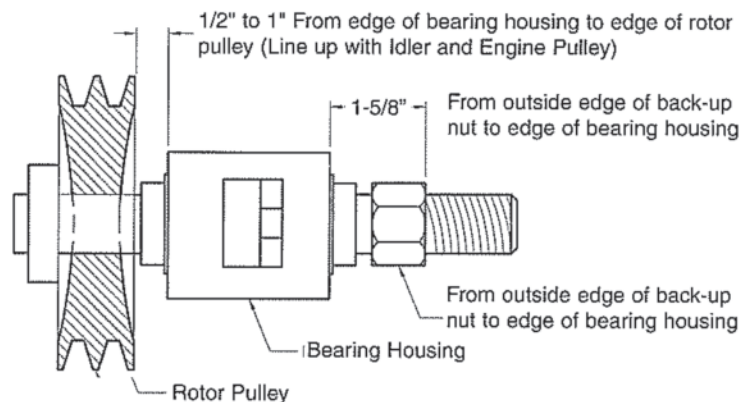
OPERATING INSTRUCTIONS (CONTINUED)

NOTE: Use the smallest rotor possible when trenching in hard clay, rocky or other difficult soils. Most cable TV or satellite dealers use a 4" or 5" deep rotor instead of the 7". By using a smaller rotor you may trench faster, you have less dirt to clean up and the rotors will last longer.

- f. As a safety consideration, where the soil has a large content of gravel and small rocks, it may be necessary to dig a hole by shovel to start the trench. This may preclude property damage or an injury from flying debris. (This would apply when near buildings or populated areas).
- g. If you encounter an unusual vibration when trenching, stop and shut off the engine immediately. Inspect to make sure that a point has not been broken. If a point is missing or broken, replace the point if it is a rock rotor or replace the rotor if it is a clay rotor.
- h. When installing points on rock rotors, the points must be loose and free to rotate to prevent uneven wear and breakage. The flat nut must go on first. When the flat retaining nut is tightened to the end of the threads there should be a gap of $1/16"$ to $3/32"$ (thickness of a nickel) between the socket and the flat nut. Use two wrenches to jam the lock nut against the flat retaining nut. See diagram below.



- i. The diagram below provides guidance for positioning components when replacing spindle, bearings or pulley on all models.

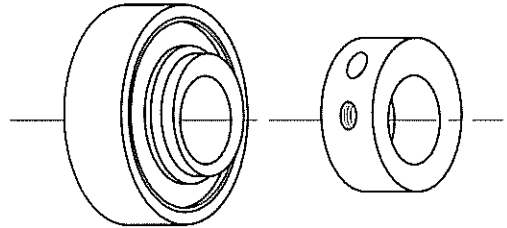


- j. Bearing and/or Spindle replacement - To replace the spindle and bearings it is advisable to remove the clay hood. Before loosening the lock collars you must remove the rotor pulley. The pulley is cast iron and is easily broken if impacted on the outer edges. Use a hammer and punch (or $3/4"$ bolt) against the thick center portion of the pulley. Soaking with penetrating oil will help. When the pulley is removed, loosen the set screws on the lock collars. Drive the shaft out from the pulley side. The back-up nut on the spindle is fixed and should not be loosened. Each bearing seats against a shoulder in the housing. They must be removed by placing a punch through the housing from the opposite side.

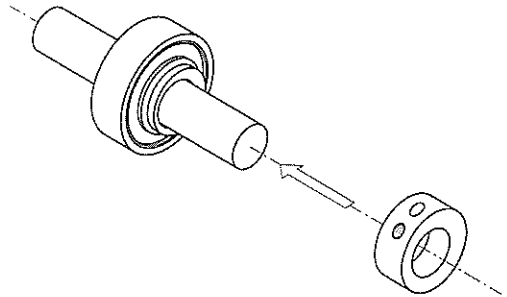
HOW TO INSTALL THE SELF-LOCKING COLLAR

The Self-Locking Collar originated in 1925. It was designed to facilitate the mounting of wide inner ring ball bearings by eliminating the need for locknuts, washers, shoulders, sleeves and adapters. This collar made the wide inner ring ball bearings easiest of all to install. The inside of the locking collar has a counter-bored recess which is made eccentric with the bore. The collar and the end of the bearing inner ring with which it engages are both machined to act as mating cams on the shaft. When the collar is engaged to the inner ring, it grips the shaft tightly with a positive binding action that increases with use. No adjustments of any kind are necessary and it is impossible to cramp or overload the bearing in mounting.

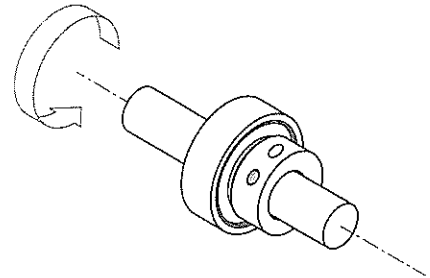
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1. Observe cam design of wide inner ring and self-locking collar. Use the punch in the unthreaded hole.



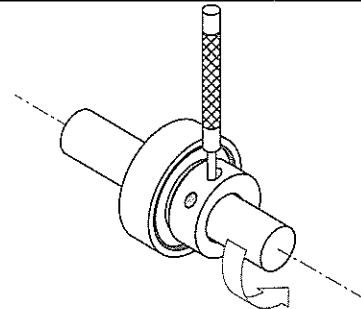
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2. Mate cam of collar with cam of bearing inner ring.



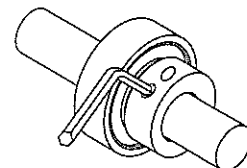
-
3. Pressing collar lightly against inner ring, turn collar **in direction of shaft rotation** until engaged.



-
4. With drift pin in collar hole, strike **in direction of shaft rotation** to lock.



-
5. Tighten set screw in collar **after applying Locktite Threadlocker #242 to the set screw threads.**



SCHEDULED MAINTENANCE

Good maintenance practices are critical if you are to enjoy trouble free operation and long life from your Brown TRENCHMASTER®. Most required maintenance procedures are shown in this section. However, other common sense maintenance practices such as cleanliness and storage must be followed.

1. See manufacturers operating and maintenance instructions for engine maintenance procedures.
2. Check all bolts and nuts for tightness before operation and periodically thereafter.
3. Check all set screws in belt pulleys and bearing lock collars before operation and periodically thereafter. If set screws are vibrating loose, Loctite's "Threadlocker" #242 should be applied to the threads and the set screws retightened.
4. Check drive belts for proper tension before operation. Adjust if necessary. Adjust belt tension using the turnbuckle to ensure the spring stretches approximately 3/4" to 1" for 7" & 9 " models or 1" to 1-1/4" for 12 " models when clutch lever is engaged. Keep belt free of dirt and grease at all times.
5. Rotor points must be checked for wear before operation and periodically thereafter. Check at least every 200 feet initially. When working in difficult soil conditions, they should be checked more often. In good soil conditions, they may be checked less often but never less than each 500 feet of trenching.
6. Check rock rotors before operation and periodically thereafter. Points on the rock rotors should be loose in the socket and should rotate freely to prevent uneven wear or breakage. The nut on the point should have between 1/16" and 3/32" clearance (a nickel is 1/16" thick) between the nut and the socket (See Figure on page 3-3)
7. Check rotor bearings for wear every 2000 feet. This is done by lifting the front of the machine off the ground so that the rotor may be turned by hand. Then grasp the end of the rotor firmly and try to move it from side to side. If there is more than 1/4" movement from side to side, the bearings must be replaced.
8. Check the idler pulley for wear before operation and replace if necessary.
9. Periodically check the idler arm for lateral movement. If the pivot bolt is badly worn, or the bolt is loose, the idler arm may have enough lateral movement to cause the belts to come off the pulley. The pivot bolt should be tight enough to prevent lateral movement, but not so tight that it restricts free pivoting of the idler arm.
10. See page 3-4 for instructions on how to use the eccentric lock collar on rotor bearings.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Burning belts	Improper tension on belts	Adjust belt tension Using the turn buckle on the clutch cable. Spring should stretch approximately 3/4" to 1" when clutch lever is fully engaged.
	Pulleys not aligned	Align pulleys
	Belt stop set wrong	Set belt stop per photos on page 6-1.
	Pulley broken, worn out or with burrs.	Replace pulleys
	Wrong type belts	Replace with industrial belts
Excessive vibration	Rotor bearings worn excessively	Replace bearings
	Rotor points broken or missing	Replace points or rotor
	Rotor bent	Replace rotor
Rotor striking	Rotor too close to hood	Loosen eccentric lock collars on spindle and move rotor away from hood. CAUTION: Use thread lock on all set screws and tighten securely. (See page 4-1, Paragraph 3)
	Eccentric lock collars loose	Tighten eccentric lock collars and secure set screws with thread lock. (See page 3-4)
	Rotor bent	Replace rotor
	Nuts on point loose	Align points and tighten nuts.
Pulleys coming off shaft	Pulley set screw not tight	Remove set screws and apply thread lock to set screws then tighten very firmly.
	Eccentric lock collars set screws not tight	Remove set screws from eccentric lock collars, reset lock collars, apply thread lock and tighten very firmly. (See page 3-4)
	Eccentric lock collars worn excessively	Replace eccentric lock collars (See page 3-4)

EQUIPPING YOUR TRENCHMASTER® FOR VARYING CONDITIONS

There are several options available which enable you to adapt your TRENCHMASTER® to perform well under varying conditions.

The most common conditions requiring special adaptation are listed below and recommended options are listed with each condition.

1. Soil type

- a. Sand, sandy loam, swampy & river soils - Use clay rotor.
- b. Sticky clay or wet soils - Use clay rotor.
- c. Rock, stone & heavy gravel - Use rock rotor.
- d. Scattered rock, small gravel, asphalt and hard clay - Use clay rotor.

SPECIAL NOTE: Rock rotor points should not be used in sand. Sand may jam the points and cause extremely rapid wear.

2. Soil moisture

- a. Wet sand and damp abrasive type soils - Use the clay rotor.
- b. Wet clay or wet heavy soils & any soil that is adhesive or cohesive - Use the clay rotor.

3. Depth and width of trench

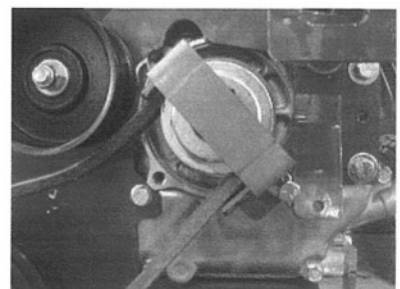
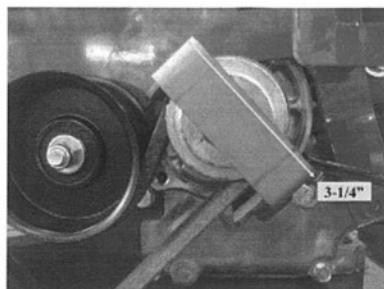
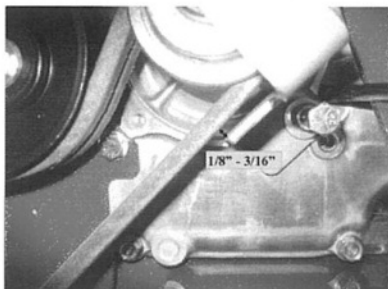
Choose the smallest trench that is practical for the job. Digging a smaller trench will save you time and money in three ways:

- a. You will be able to trench faster.
- b. You will have less soil to clean up.
- c. your digging rotors will last longer.

4. Root Pruning - Use root pruner rotors.

5. Selecting the proper rotor for your TRENCHMASTER® (See the rotor compatibility list on page 10-1)

Belt stop photos



TRENCHMASTER® MODELS F-704 & F-904H

ASSEMBLY INSTRUCTIONS

NOTE: The only assembly required is installation of the handle, connecting and adjusting the cable and installing the digging rotor. Refer to parts drawing on page 7-2.

STEP #1

Attach the handle to the frame[#9] using 2-1/4" x 1 3/4" bolts. Place the 2 bolts through the handle Brace Plate[#25], then through the handle[#15]. With the Brace Plate in place on the handle, align the bolts through the two holes in the frame[#9] and secure each bolt with a washer and 1/4" lock nut.

STEP #2

Pass the cable clevis through the sheave guard (mounted on the handle brace plate) and attach to the idler arm with a clevis pin and cotter key. Install the cable sheave in the sheave guard with a sheave pin (clevis pin) through the upper holes (on top of the cable) and place another sheave pin through the lower holes under the cable. Secure both sheave (clevis) pins with cotter keys. Attach the clutch cable spring to the clutch lever. Adjust the tension on the control cable by shortening or lengthening the turnbuckle attached to clutch spring. When properly adjusted, the spring should stretch about 3/4" to 1" when the clutch lever is closed. Be sure to tighten the jam nut on the turnbuckle once the proper tension is set.

STEP #3.

Replace the belt guard cover and secure it with the 3 wing nuts.

STEP #4.

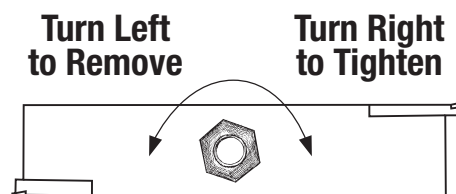
To install the rotor blade, remove the outside nut from the spindle (the inside nut is fixed to the spindle). When looking under the hood, the rotor turns counter clockwise. Therefore, place the rotor on the spindle with the points pointed up on the end of the rotor nearest the handle. Replace the nut, securing the rotor on the spindle. This nut does not need to be put on extremely tight. Tighten to about 100 foot pounds of torque. Requires 1 1/2" wrench or socket which is NOT supplied by the manufacturer. Must be purchased locally by owner/operator.

CAUTION!! If using an impact wrench, do not over tighten because it may be very difficult to loosen the nut to change rotors.



CAUTION: The trencher is shipped without oil in the engine. Oil must be added before starting engine. See engine manual for oil type.

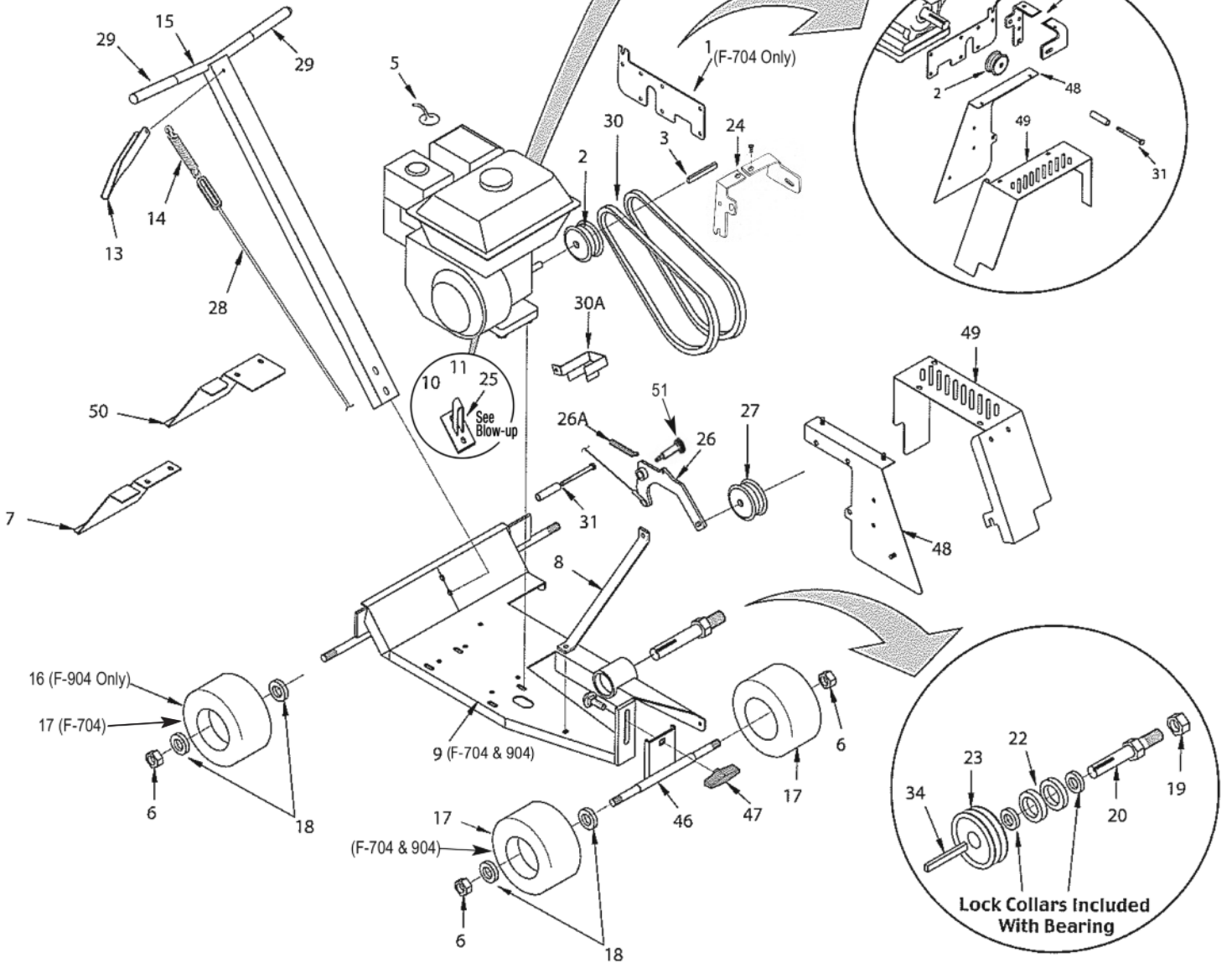
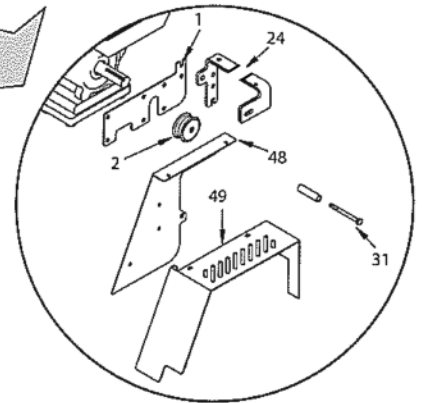
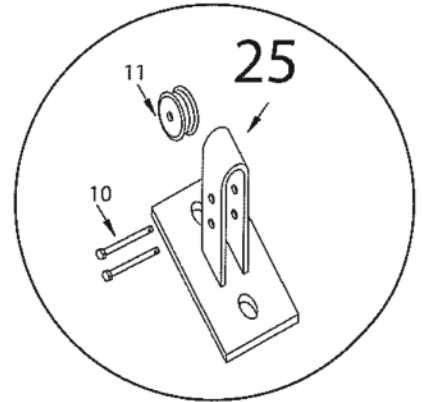
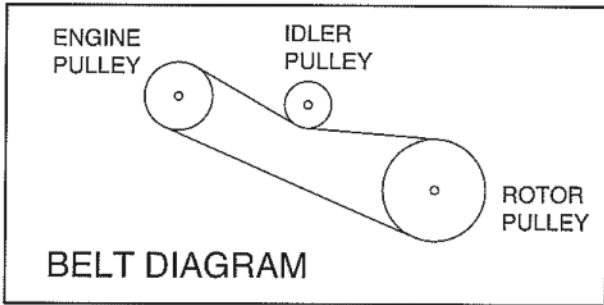
ROTOR NUT REMOVAL



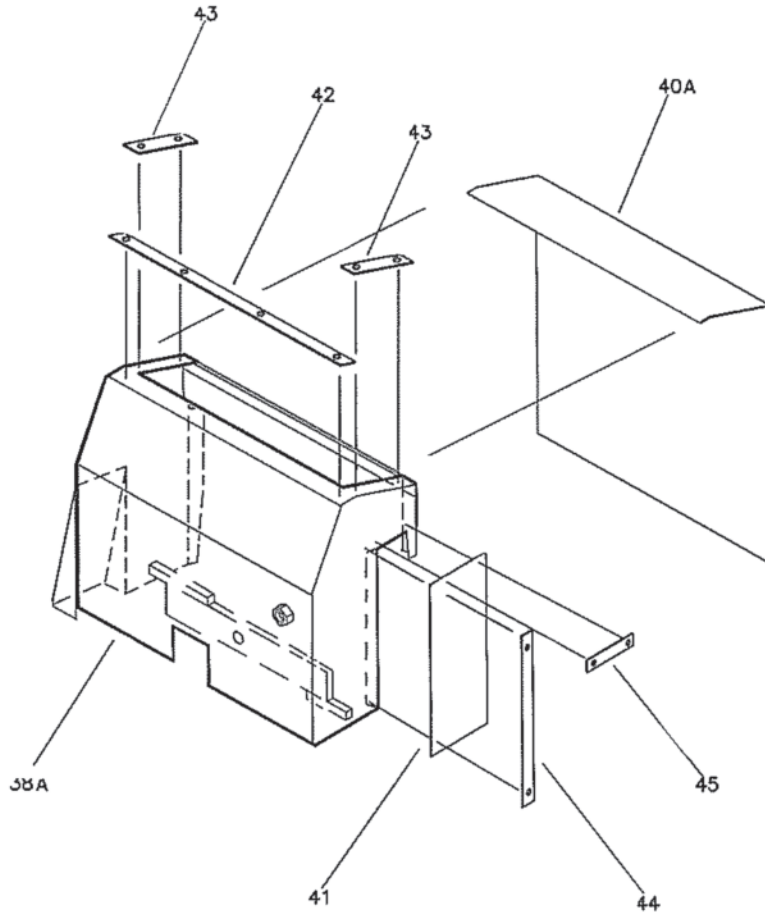
Requires 1 1/2" wrench or socket which is NOT supplied by the manufacturer. Must be purchased locally by owner/operator.

BROWN PRODUCTS, INC

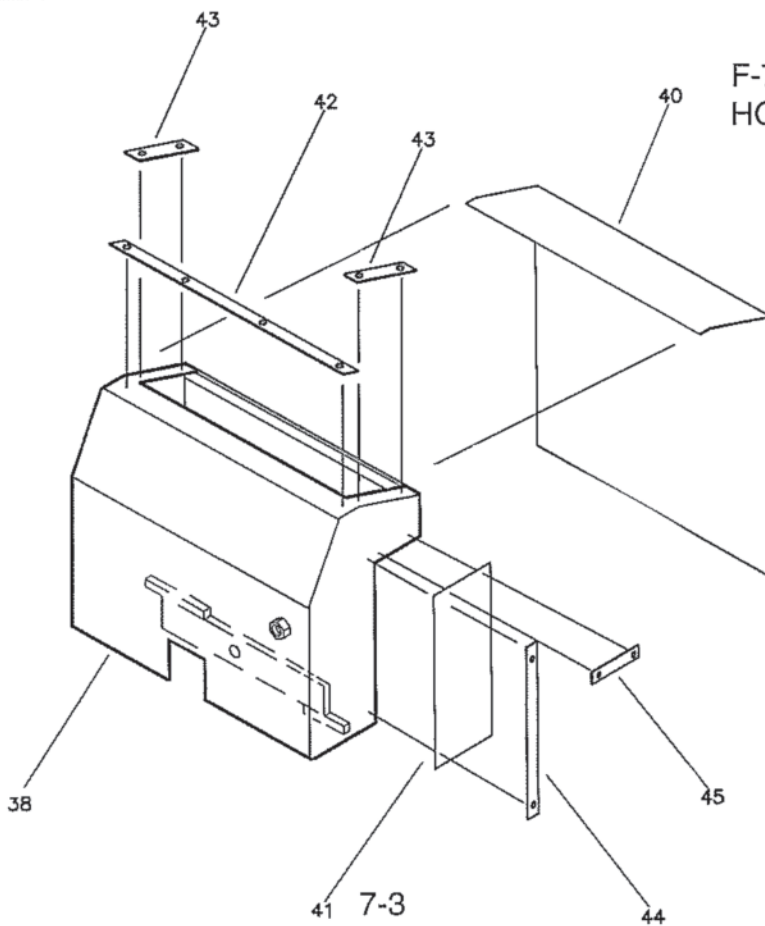
F-704/904 TRENCHER



F-704 & F-904 TRENCHMASTER®
Clay Hood Parts Drawings



F-904 BEDEDGER
HOOD ASSEMBLY
37A



F-704 BEDEDGER
HOOD ASSEMBLY
37

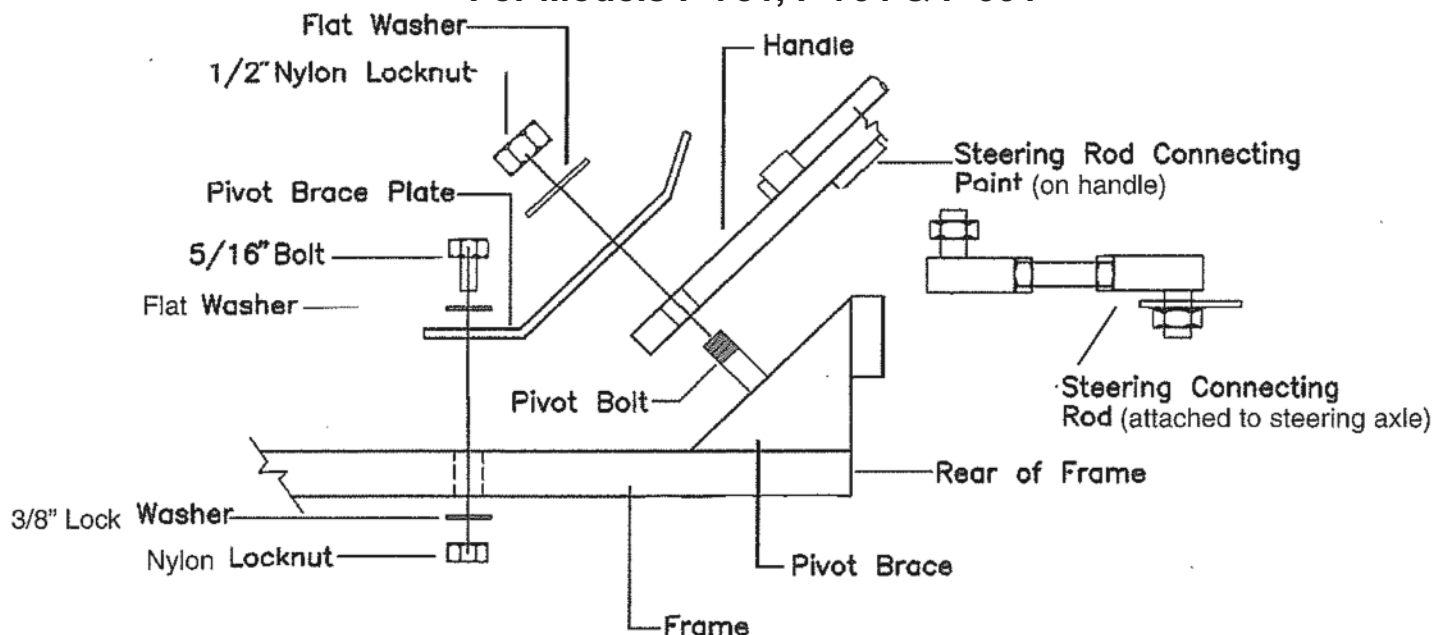
TRENCHMASTER® MODELS F-704 & F-904

Parts List

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	230-0012	BACK PLATE, BELT GUARD MOUNT (F-704 Only)	1
2	780-09	ENGINE PULLEY (FOR F-904) (2.5" X 1" bore, double groove)	1
2	701-02-2	ENGINE PULLEY (FOR F-704) (2.5" X 3/4" bore, " ")	1
3	12-19	1/4" KEY (FOR F-904) (1/4" X 1 ^{1/2} ") Engine Pulley	1
3	701-03	3/16" KEY (FOR F-704) (3/16" X 1 ^{1/2} " or 1 ^{3/4} ") Engine Pulley	1
5	701-04D	MUFFLER DEFLECTOR, (HONDA ONLY)	1
6	701-06A	NUT, NYLOK, 5/8"	4
7	991-11	DIRT DEFLECTOR (F-904 AND F-991 ONLY)	1
8	702-53	UPPER HOOD BRACE	1
9	230-0001	FRAME ASSEMBLY (W/SPINDLE, BEARINGS, PULLEY AND NUT)	1
10	12-09	SHEAVE PIN W/ COTTER KEY	2
11	12-08	CABLE SHEAVE	1
13	702-12	CLUTCH LEVER	1
14	701-24A	CLUTCH SPRING	1
15	701-13	HANDLE	1
16	12-32A	WHEEL, W/PNEUMATIC. TIRE, 5/8" BRG. (REAR) (904 Only)	2
*17	702-50C	WHEEL, W/PNEUMATIC. TIRE, 5/8" BRG. (FRONT) (904 Only)	2
18	702-27B	BEARING, WHEEL, 5/8"	8
19	12-14	NUT, ROTOR, 1" (NC GRADE 5) (1 ^{1/2} " OD)	1
20	702-57	SPINDLE, ROTOR, 1" W/ FIXED NUT	1
22	12-16	BEARING, SPINDLE, 1" (W/LOCK COLLAR)	2
23	702-59-2	PULLEY, ROTOR, DOUBLE GROOVE	1
24	991-03	BRACE, ENGINE TO HOOD (2 Pieces w/Bolt & Nut)	1
25	230-0009	BRACE PLATE, HANDLE	1
26	991-05	IDLER ARM	1
26A	991-06	SPRING, IDLER ARM RETURN	1
27	12-22-2A	PULLEY, DOUBLE IDLER	1
28	991-07	CLUTCH CABLE W/CLEVIS & TURNBUCKLE	1
29	701-25	HANDLE GRIP	2
30	780-30	BELT	2
30A	991-08	BELT STOP (F-904)	1
31	230-0002	BELT STOP (F-704 ONLY) Assembly	1
34	12-19	KEY, ROTOR PULLEY, 1/4" X 1-1/2"	1
37	702-70	CLAY HOOD ASSEMBLY (COMPLETE FOR F-704) W/DRAPE	1
37A	990-02	CLAY HOOD ASSEMBLY (COMPLETE FOR F-904) W/DRAPE	1
38	702-71A	CLAY HOOD ONLY (FOR F-704)	1
38A	990-03	CLAY HOOD ONLY (FOR F-904)	1
40	702-73	RUBBER DRAPE (FOR F-704)	1
40A	990-04	RUBBER DRAPE (FOR F-904)	1
41	702-74	RUBBER FLAP	1
42	702-75	UPPER DRAPE STRAP (FOR F-704)	1
43	702-76	END DRAPE STRAP	2
44	702-77	VERTICAL FLAP STRAP	1
45	702-78	HORIZONTAL FLAP STRAP	1
46	703-10	HEIGHT ADJUSTER, FRONT WHEELS	1
47	991-10	HEIGHT ADJUSTER KNOB W/ 1/2" X 1-1/4" CARRIAGE BOLT	1
48	991-12	BELT GUARD MOUNTING BRACKET	1
49	991-13	BELT GUARD COVER	1
50	781-01	DIRT DEFLECTOR (F-704, F-781, F-791 ONLY)	1
51	781-025	SHOULDER BOLT, IDLER ARM (SSB58C20)	1
N/S	SD780A	DECAL SHEET (SAFETY & MODEL NUMBERS)	1
N/S	DC4-14-008	TRENCHMASTER LOGO DECAL	1

* F-704 REQUIRES 4 EACH 702-50C WHEELS W/TIRES

ASSEMBLY INSTRUCTIONS DIAGRAM For Models F-781, F-791 & F-991



NOTE: Assembly only requires handle installation and connection of clutch cable.

1. Remove the 3 wing nuts from the belt guard and remove the cover.
2. Remove the rubber protective cover from the pivot bolt.
3. Place the handle down over the pivot bolt until it sits flat on the pivot brace.
4. Place the pivot brace plate over the pivot bolt on top of the handle.
5. Align the handle with the machine and secure the pivot brace plate to the frame using the 5/16" X 1" bolt, washer and locknut.
6. Lock the steering lock rod in the pivot brace plate and install the flat washer and the 1/2" nylon lock nut on the pivot bolt.
7. Tighten the 1/2 nylon lock nut down completely and then loosen 1/4 turn.
8. Align the rear wheels and attach the steering connecting rod (already attached to the steering axle) to the handle. The tie rod end must be under the connecting point on the handle. If necessary, adjust the length of the steering connecting rod to insure proper tracking of the rear wheels. Unlock the steering lock rod and turn the handle. If the lock rod doesn't release and prevents the handle from turning, you may need to adjust the lock rod catch on the upper part of the handle.
9. Pass the cable clevis through the sheave guard (mounted on the pivot brace plate) and attach to the idler arm with a clevis pin and cotter key. Install the cable sheave in the sheave guard with a sheave pin (clevis pin) through the upper holes (on top of the cable) and place another sheave pin through the lower holes under the cable. Secure both sheave (clevis) pins with cotter keys. Attach the clutch cable spring to the clutch lever. Adjust the tension on the control cable by shortening or lengthening the turnbuckle attached to clutch spring. When properly adjusted, the spring should stretch about 3/4" to 1" when the clutch lever is closed. Be sure to tighten the jam nut on the turnbuckle once the proper tension is set.
10. Replace the belt guard cover and secure it with the 3 wing nuts.
11. To install the rotor blade, remove the outside nut from the spindle (the inside nut is fixed to the spindle). When looking under the hood, the rotor turns counter clockwise. Therefore, place the rotor on the spindle with the points pointed up on the end of the rotor nearest the handle. Replace the nut, securing the rotor on the spindle. This nut does not need to be put on extremely tight. Tighten to about 100 foot pounds of torque or hand tighten with a 1 1/2" wrench or socket. CAUTION!! If using an impact wrench, do not over tighten because it may be very difficult to loosen the nut to change rotors. (See drawing page 8-2)

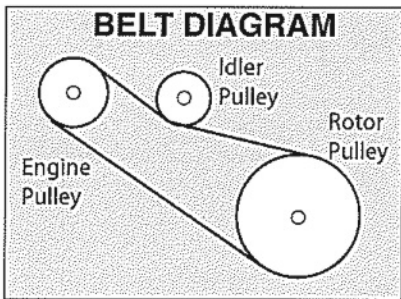
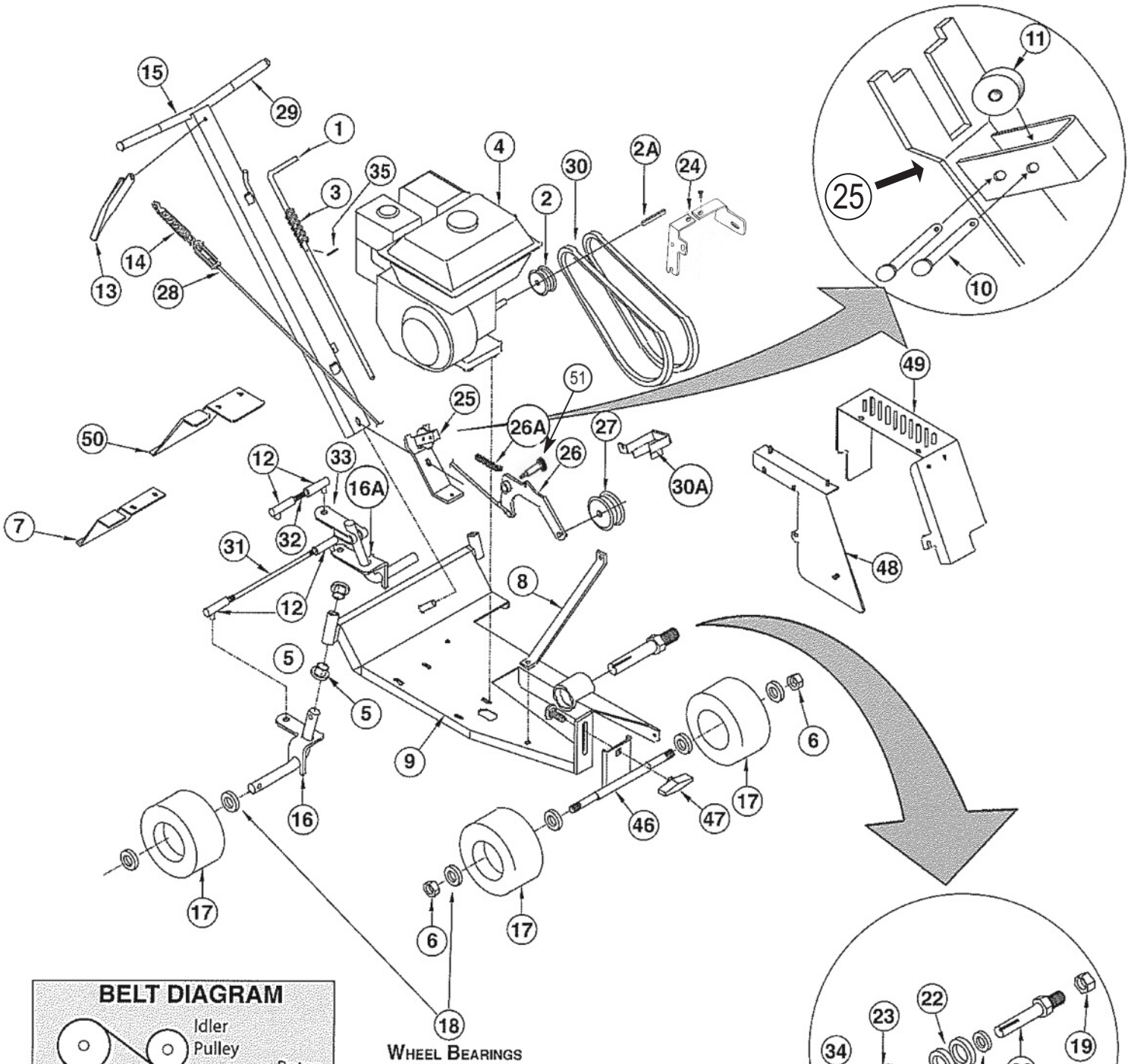
NOTE: GREASE SHOULD NOT BE USED ON ANY STEERING PARTS. WE FEEL THERE WILL BE MINIMUM WEAR BECAUSE THE MOVEMENT OF THE PARTS WILL BE LIMITED. GREASE WILL ATTRACT DIRT WHICH ONLY INCREASES WEAR.



CAUTION: The bededger is shipped without oil in the engine. Oil must be added before starting engine. See engine manual for oil type.

F-781, F-791 & F-991 BEDEDGERS®

Parts Drawings

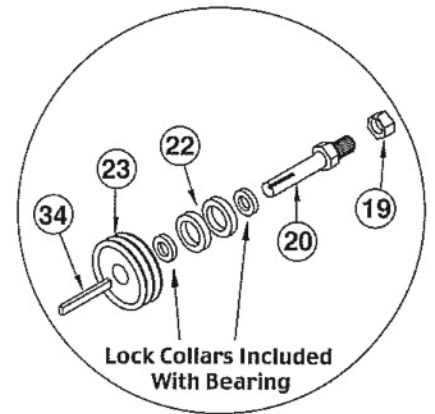
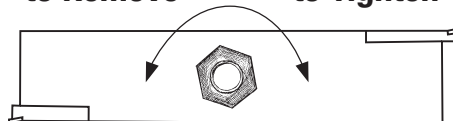


WHEEL BEARINGS

ROTOR NUT REMOVAL

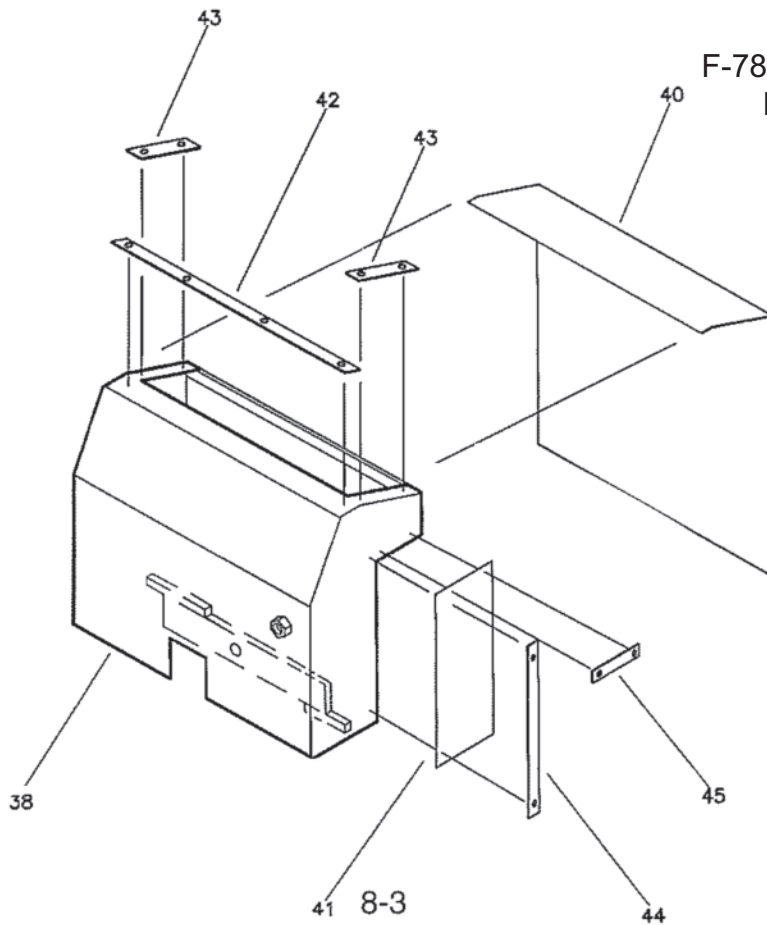
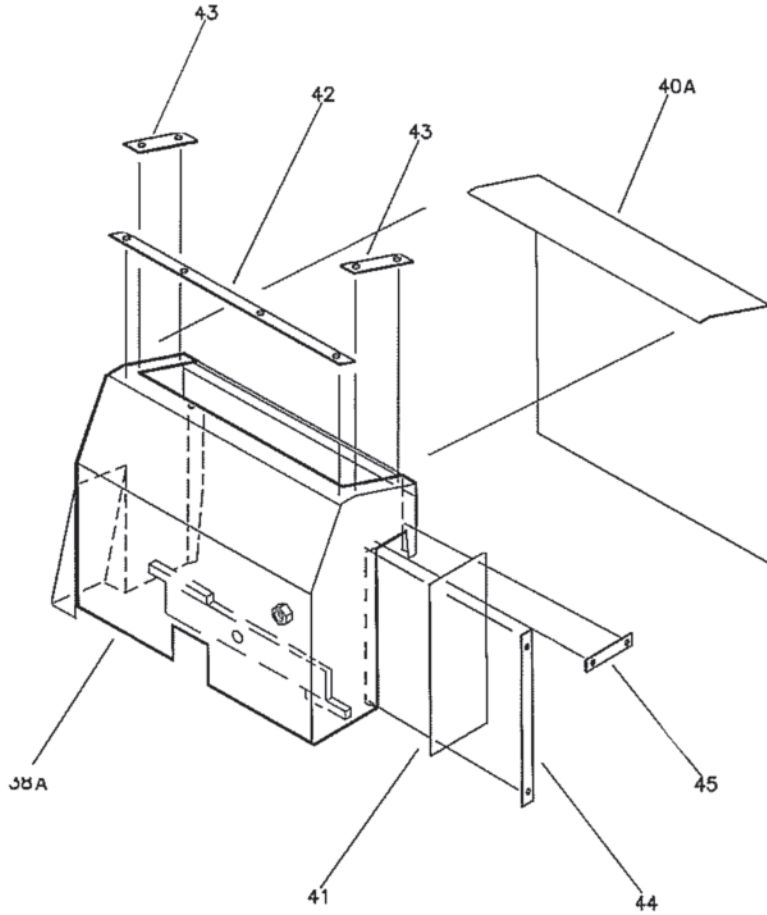
Turn Left
to Remove

Turn Right
to Tighten



Requires 1 1/2" wrench or socket which is NOT supplied by the manufacturer. Must be purchased locally by owner/operator.

F-781, F-791 TRENCHMASTER®
Clay Hood Parts Drawings



F-781, F-791 & F-991 BEDEDGER® Parts List

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	780-08	STEERING LOCK ROD	1
2	780-09	PULLEY, ENGINE, 1" BORE	1
2A	12-19	Key 1/4" x 1-1/2" (Engine Pulley)	1
3	780-32	SPRING, LOCK HANDLE RETURN	1
4	ENGINE	ENGINE, (9HP for F-991 & F-791) / (8 HP for F-781)	1
5	780-04	BUSHINGS, AXLE SPINDLE, NYLON	4
6	701-06A	LOCK NUT, 5/8"	2
7	991-11	DIRT DEFLECTOR (F-904 AND F-991 ONLY)	1
8	702-53	UPPER HOOD BRACE	1
9	991-01	FRAME ASSEMBLY (W/PULLEY, SPINDLE & BEARINGS)	1
10	12-09	SHEAVE PIN W/COTTER KEY	2
11	12-08	CABLE SHEAVE	1
12	780-03	BALL JOINTS	4
13	702-12	CLUTCH LEVER	1
14	701-24A	CLUTCH SPRING	1
15	991-02	HANDLE	1
16	780-01	AXLE, SPINDLE (RIGHT)	1
16A	780-02	AXLE, SPINDLE (LEFT)	1
17	702-50C	WHEEL, PNEUMATIC 5/8" BEARING	4
18	702-27B	WHEEL BEARING, 5/8"	8
19	12-14	NUT, ROTOR, 1" NC. GRADE 5 (1-1/2" OD)	1
20	702-57	SPINDLE, ROTOR, 1" W/ FIXED NUT	1
22	12-16	SPINDLE BEARING, ECCENTRIC, W/LOCK COLLAR	2
23	702-59-2	ROTOR PULLEY, DOUBLE BELT	1
24	991-03	BRACE, ENGINE TO HOOD (2 Pieces w/Bolt & Nut)	1
25	991-04	BRACE PLATE, HANDLE PIVOT	1
26	991-05	IDLER ARM	1
26A	991-06	SPRING, IDLER ARM RETURN	1
27	12-22-2A	DOUBLE IDLER PULLEY	1
28	991-07	CLUTCH CABLE W/ CLEVIS & TURNBUCKLE	1
29	701-25	HANDLE GRIP	2
30	780-30	BELT	2
30A	991-08	BELT STOP	1
31	780-06	STEERING TIE ROD	1
32	991-09	STEERING CONNECTING ROD STUD	1
33	780-05	STEERING CONTROL ARM	1
34	12-19	KEY, ROTOR PULLEY, 1/4" X 1-1/2"	1
35	780-31	PIN, ROLL, STEERING LOCK	1
37	702-70	CLAY HOOD ASSEMBLY (COMPLETE) FOR F-781 & F-791	1
*37A	990-02	CLAY HOOD ASSEMBLY (COMPLETE) FOR F-991	1
38	702-71A	CLAY HOOD ONLY (F-781 & F-791)	1
*38A	990-03	CLAY HOOD ONLY (F-991)	1
40	702-73	RUBBER DRAPE (F-781 & F-791)	1
*40A	990-04	RUBBER DRAPE (F-991)	1
41	702-74	RUBBER FLAP	1
42	702-75	UPPER DRAPE STRAP	1
43	702-76	END DRAPE STRAP	2
44	702-77	VERTICAL FLAP STRAP	1
45	702-78	HORIZONTAL FLAP STRAP	1
46	703-10	HEIGHT ADJUSTER, FRONT WHEELS	1
47	991-10	HEIGHT ADJUSTER KNOB W/CARRIAGE BOLT, (1/2" X 1-1/4")	1
48	991-12	BELT GUARD MOUNTING BRACKET	1
49	991-13	BELT GUARD COVER	1
50	781-01	DIRT DEFLECTOR (F-704, F-781 & F-791)	1
51	781-025	SHOULDER BOLT, IDLER ARM (SSB58C20)	1
N/S	SD-780A	DECAL SHEET (SAFETY & MODEL NUMBERS)	1
N/S	SD-991	BEDEDGER LOGO (WHITE ON CLEAR)	1

TRENCHMASTER® MODEL F-1202

ASSEMBLY INSTRUCTIONS

Model F-1202 TRENCHMASTERS® are shipped assembled except for attaching the handle and the control cable. (See note below for exception).

STEP #1

Lay out the assembled handle and the hardware.

STEP #2

Slide the handle into the handle mount on the frame and align holes. Place the two 5/16" x 2 1/4" bolts through the holes. Start and tighten the two 5/16" lock nuts.

STEP #3

Attach the cable to the idler assembly and adjust the cable tension by turning the turnbuckle. The cable tension should cause the spring to stretch at least 1" to 1 1/4" when handle is locked. Tighten jam nut against end of turnbuckle.

Step #4

To install the digging rotor, remove the outside nut [#18] on the spindle (**the inside nut is fixed to the spindle**). When looking under the hood, the rotor turns counter clockwise. Therefore, place the rotor on the spindle with the points facing up on the end of the rotor nearest the handle. Replace the nut [#18]. This nut does not need to be put on extremely tight. Tighten to about 100 foot pounds of torque. Hand tighten with a 1 1/2" wrench or socket.

CAUTION: If using an impact wrench, do not over tighten because it may be very difficult to remove the nut when changing rotors.

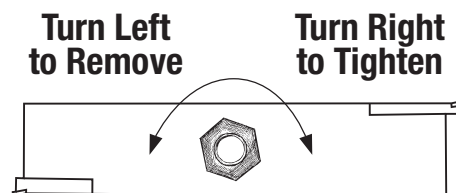


CAUTION: If the spring tension is too low, it will allow the belt to slip during operation and may cause rapid disintegration of the belt.



CAUTION: The trencher is shipped without oil in the engine. Oil must be added before starting engine. See engine manual for oil type.

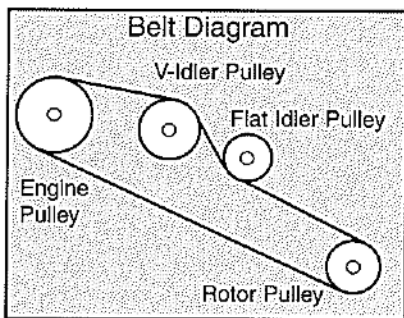
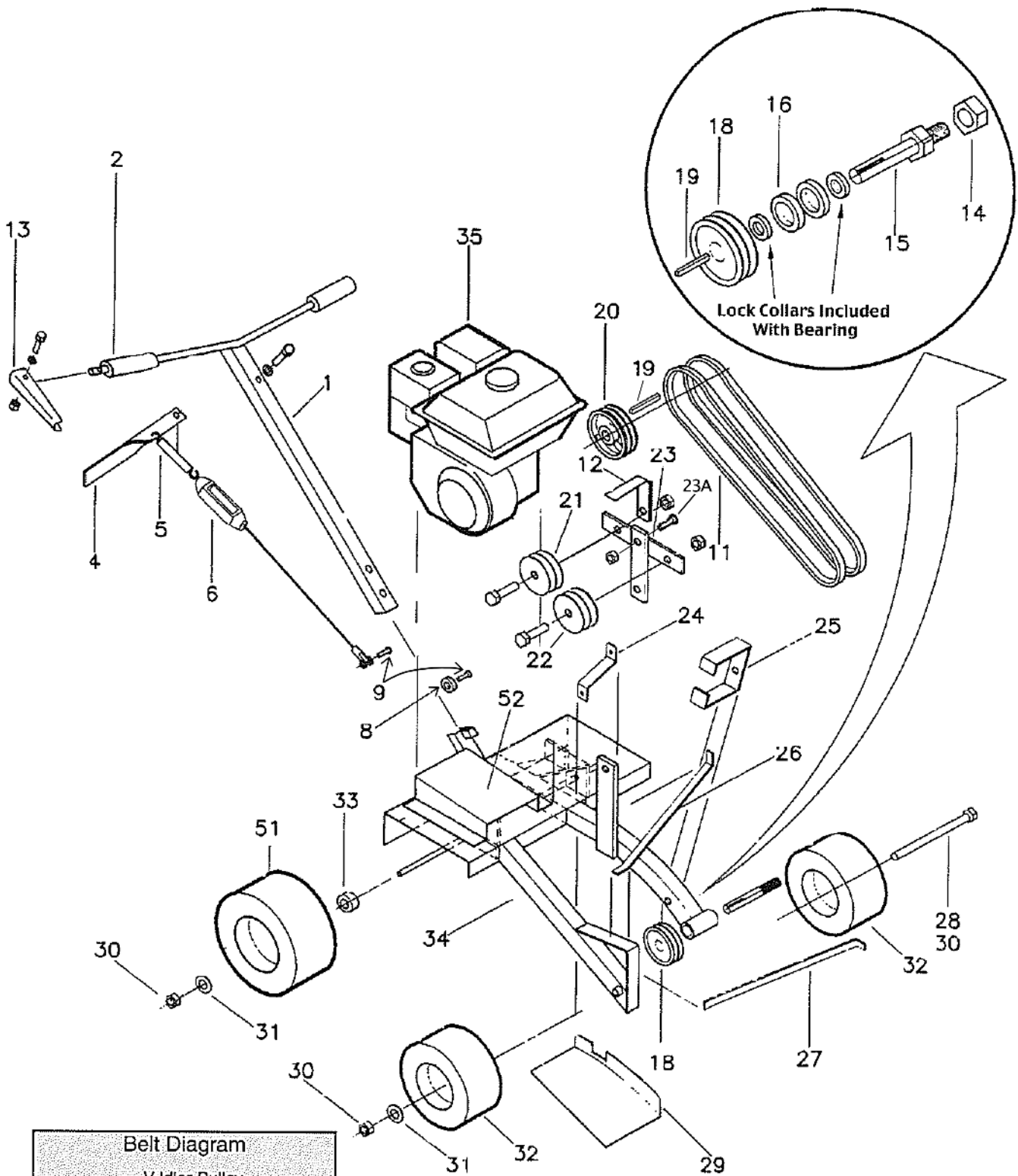
ROTOR NUT REMOVAL



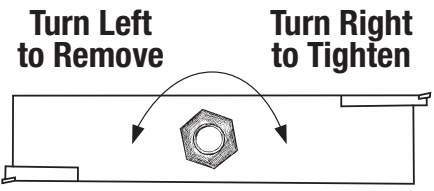
Requires 1 1/2" wrench or socket which is NOT supplied by the manufacturer.

Must be purchased locally by owner/operator.

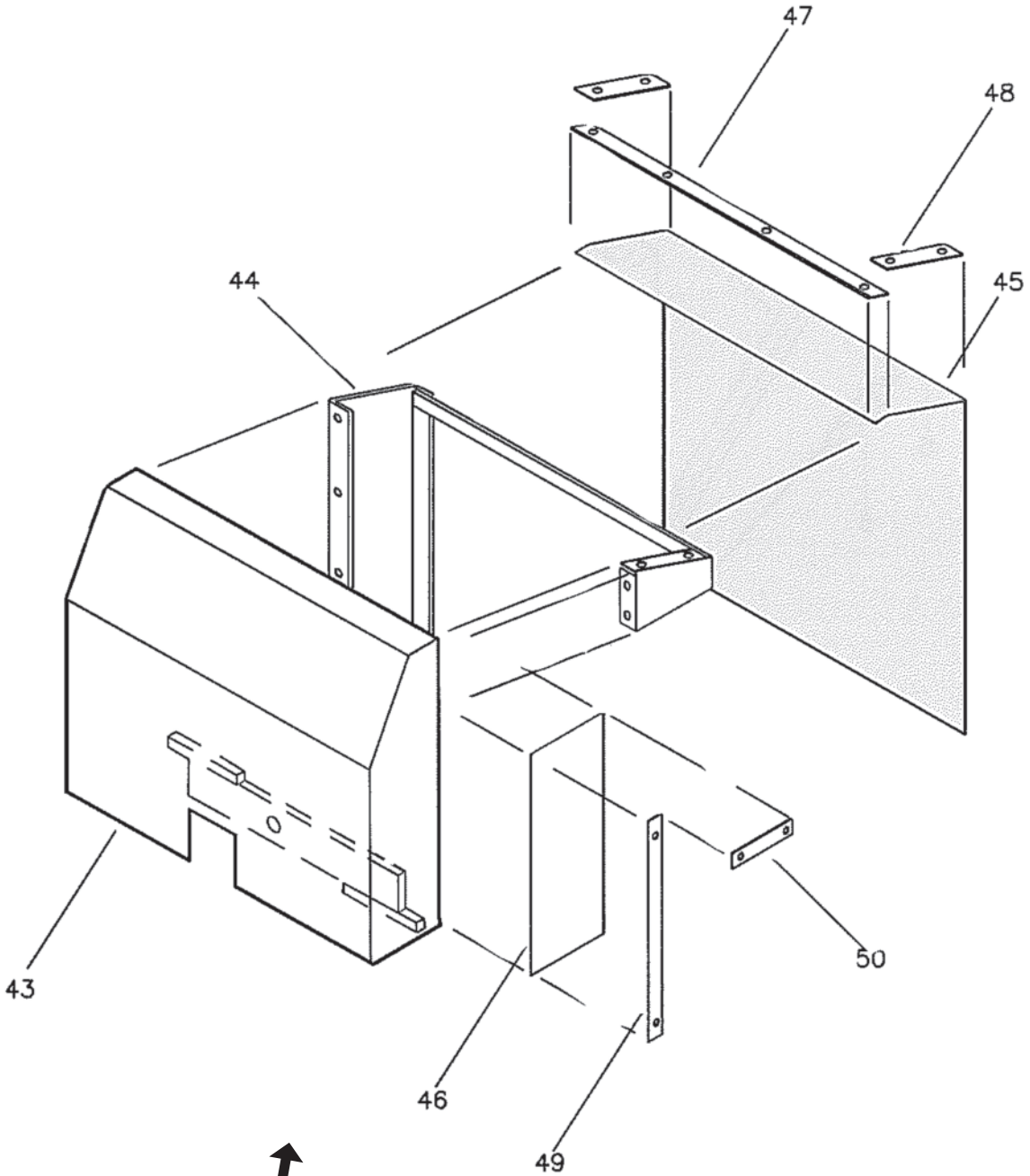
F-1202 TRENCHMASTER® Parts Drawings



ROTOR NUT REMOVAL



**TRENCHMASTER® MODEL F-1202
Parts Drawings**



Reference #42 - Part No. 43A - Hood Assembly, Complete

F-1202 TRENCHMASTER®

Parts List

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	12-01	HANDLE	1
2	12-02	HANDLE GRIP	2
4	12-04	CLUTCH LEVER	1
5	12-05	SPRING (CLUTCH)	1
6	12-06	CABLE W/ CLEVIS & TURNBUCKLE	1
8	12-08	CABLE SHEAVE	2
9	12-09	SHEAVE PIN W/ COTTER KEY	2
9A	12-09A	PIN, COTTER 1/16" X 1"	1
11	12-11	BELT, INDUSTRIAL, BK-71	2
12	12-12A	BELT STOP (HONDA ONLY)	1
13	701-12	CLUTCH LEVER (LOCKING)	1
14	12-14	NUT, ROTOR, 1" NC, GRADE 5 (1-1/2" OD)	1
15	12-15B	SPINDLE, ROTOR 1" (11-1/8" LONG)	1
16	12-16	SPINDLE BEARING, W/ ECCENTRIC LOCK COLLAR	2
18	12-18-2	ROTOR PULLEY	1
19	12-19	KEY, SQUARE, 1/4" X 1-1/2"	2
20	12-20-2	ENGINE PULLEY, DOUBLE	1
21	12-21-2	V-IDLER PULLEY, DOUBLE	1
22	12-22-2A	FLAT IDLER PULLEY, DOUBLE	1
23	12-23	IDLER BRACKET	1
23A	12-23A	ASSY, BRACKET, IDLER W/ PULLEYS, BOLT, NUTS & BOLT STOP	1
24	12-24	REAR HOOD BRACE	1
24A	12-24A	BOLT, PIVOT, IDLER BRACKET	1
25	12-25	BELT GUIDE	1
26	12-26	FRONT UPPER HOOD BRACE	1
27	12-27	FRONT LOWER HOOD BRACE	1
28	12-28	AXLE BOLT, 5/8" X 9" GRADE 5	1
29	12-29	DEFLECTOR	1
30	703-06	LOCK NUT, 5/8" NC, GRADE 5	3
31	702-27B	WHEEL BEARING 5/8"	8
32	12-32A	PNEUMATIC WHEEL W/ BEARING (FRONT) 4.10 X 350-4	2
33	12-33	WHEEL SPACER	2
34	12-34A	FRAME ASSEMBLY (W/ SPINDLE, BAERINGS & PULLEY)	1
35	12-35	ENGINE (PURCHASE FROM MANUFACTURER)	1
42	12-43A	CLAY SHROUD ASSEMBLY (HOOD COMPLETE)	1
43	12-44A	CLAY SHROUD	1
44	12-45	SHROUD OUTER FRAME	1
45	12-46	RUBBER DRAPE	1
46	12-47	RUBBER FLAP	1
47	12-48	UPPER DRAPE STRAP	1
48	12-49	END DRAPE STRAP	2
49	12-50	VERTICAL FLAP STRAP	1
50	12-51	HORIZONTAL FLAP STRAP	1
51	12-32B	PNEUMATIC WHEEL W/ BEARING (REAR) 4.10 X 350-6	2
52	12-89	ENGINE MOUNT, HONDA ENGINE	1
52	12-89B	ENGINE MOUNT, BRIGGS ENGINE	1
N/S	SD-780A	DECAL SHEET (SAFETY & MODEL NUMBER)	1
N/S	DC-4-14-008	TRENCHMASTER LOGO DECAL	1

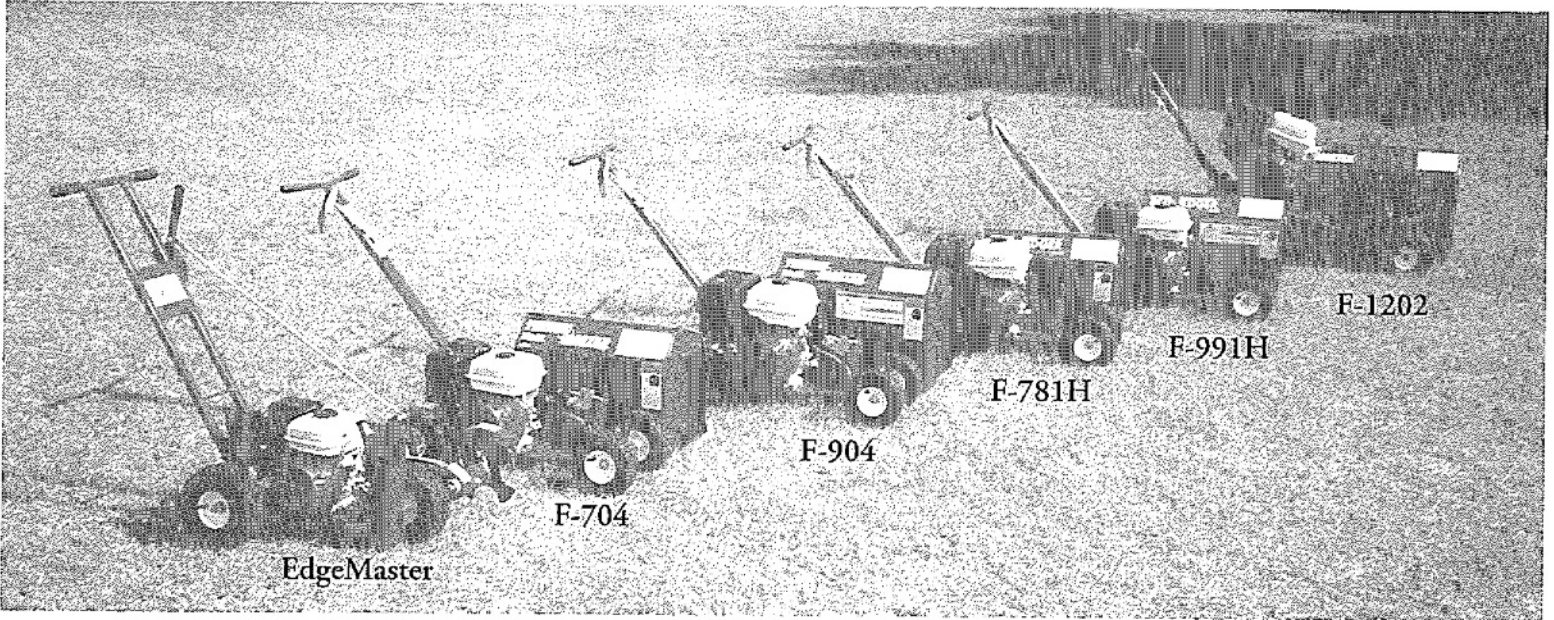


TRENCHMASTER® ROTOR COMPATIBILITY LIST

"X" INDICATES ROTOR WILL FIT ON CORRESPONDING TRENCHER

CLAY ROTORS			TRENCHERS F-702/703/704	TRENCHERS F-780/781/791	TRENCHERS F-903/4 F-990/1 F-9101Y	TRENCHERS F-1201/1202
Part#	Depth X Width					
702-81	3" X 1"	2 POINTS	X	X	X	X
702-82	4" X 1"	2 POINTS	X	X	X	X
702-82A	5" X 1"	2 POINTS	X	X	X	X
702-87	7" X 1"	2 POINTS	X	X	X	X
702-130	3" X 2"	3 POINTS	X	X	X	X
702-131	4" X 2"	3 POINTS	X	X	X	X
702-132	5" X 2"	3 POINTS	X	X	X	X
702-133	7" X 2"	3 POINTS	X	X	X	X
702-134	7" X 1-3/8"	3 POINTS	X	X	X	X
702-135	5" X 1-3/8"	3 POINTS	X	X	X	X
702-89	4" BEDMASTER	ROTOR	X	X	X	X
702-93	3" BEDMASTER	ROTOR	X	X	X	X
702-93R	REDEFINING	ROTOR	X	X	X	X
702-100	STUMPMASTER	ROTOR	X	X	X	X
702-102	4-1/2" X 6"	RAIN DRAIN		X	X	X
702-106	5" BEDMASTER	ROTOR	X	X	X	X
702-107	6" BEDMASTER	ROTOR		X	X	X
702-112	4-1/2" X 4-1/2"	RAIN DRAIN		X	X	X
702-113	2" X 9"	CURBING ROTOR	X	X	X	X
702-114	6" X 4-1/2"	RAIN DRAIN		X	X	X
702-115	4" X 8"	CURBING ROTOR		X	X	X
702-116	2" X 6"	CURBING ROTOR	X	X	X	X
12-74	7" X 3"	5 POINTS		X	X	X
12-75	9" X 3"	5 POINTS			**X	X
12-76	12" X 3"	5 POINTS				X
12-77	7" X 3"	7 POINTS		X	X	X
12-78	9" X 3"	7 POINTS			**X	X
12-79	12" X 3"	7 POINTS				X
12-80	10" X 3"	5 POINTS				X
12-80A	10" X 1"	2 POINTS				X
12-81	10" X 3"	7 POINTS				X
12-90	9" X 1"	2 POINTS			X	X
12-91	12" X 1"	2 POINTS				X
12-94	12" X 4-1/2"	RAIN DRAIN				X
12-95	10" X 4-1/2"	RAIN DRAIN				X
12-97	8" X 4-1/2"	RAIN DRAIN				X
12-109	9" X 1-1/2"	3 POINTS			X	X
12-110	9" X 2"	3 POINTS			X	X
12-111	10" X 2"	3 POINTS				X
12-112	12" X 2"	3 POINTS				X
12-113	13" X 2"	3 POINTS				X
12-114	12" X 1-1/2"	3 POINTS				X
ROCK ROTORS						
702-58	5" X 1-1/2"	W/O POINTS	X	X	X	X
702-85	4" X 1-1/2"	W/O POINTS	X	X	X	X
12-37	7" X 1-1/2"	W/O POINTS	X	X	X	X
12-37A	9" X 1-1/2"	W/O POINTS			X	X
12-38	12" X 1-1/2"	W/O POINTS				X
12-39	7" X 3"	W/O POINTS		X	X	X
12-39A	9" X 3"	W/O POINTS			**X	X
12-40	12" X 3"	W/O POINTS				X
ROOT PRUNER ROTORS						
702-90	4" X 1/2"	1 PT. @ EA. END	X	X	X	X
702-92	3" X 1/2"	1 PT. @ EA. END	X	X	X	X
12-41	7" X 1/2"	1 PT. @ EA. END	X	X	X	X
12-41A	5" X 1/2"	1 PT. @ EA. END	X	X	X	X
12-42	12" X 1/2"	1 PT. @ EA. END				X
12-42A	9" X 1/2"	1 PT. @ EA. END			X	X
** Will not perform well in difficult soils						

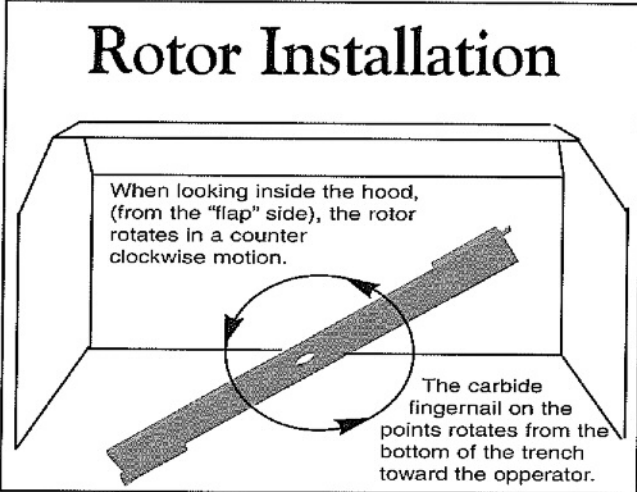
TRENCHMASTER Rotor Guide



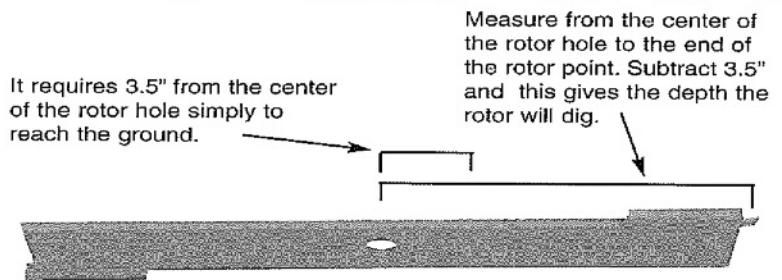
Your Trenchmaster® is a versatile powerhouse. Simply change rotors for unlimited flexibility.

IMPORTANT:

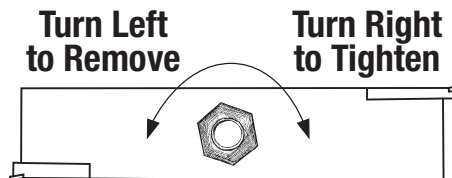
Rotor Installation



How To Determine The "Trench Depth" of A Rotor.



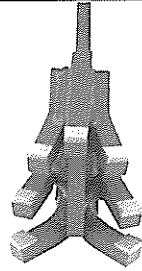
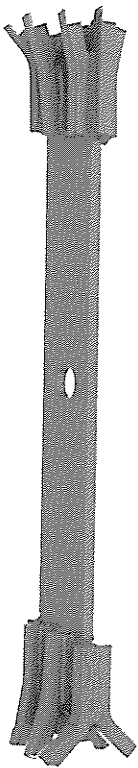
ROTOR NUT REMOVAL



7 Point Clay Rotor

5 Point Clay Rotor

Clay rotors are designed to trench in any soils except heavy rock or very wet soil conditions. Will trench through gravel or asphalt driveways.

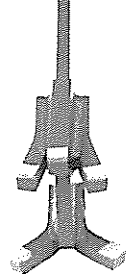
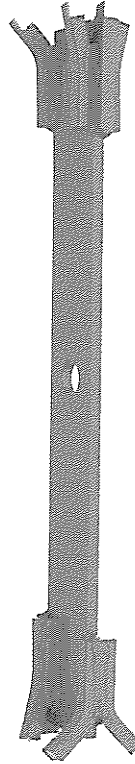


Trenches: 3" wide

Available in: 7", 9", 10" or 12" depths

Same uses as the 3"-5 point rotor.

Note: Costs approx. 30% more than the five point rotor. However, it should increase the life of the rotor by 75% to 90%



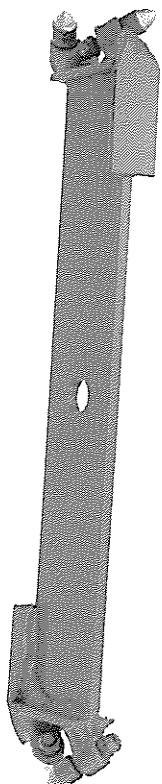
Trenches: 3" wide

Available in: 7", 9", 10" or 12" depths

Normally used for installing sprinkler systems. Designed for use in all soils except heavy scattered rock. Suitable for digging in small scattered rock or gravel. Can dig through asphalt or gravel driveways. However, trenching in sand, gravel & asphalt does reduce rotor life of all rotors.

1 1/2" Rock Rotor*

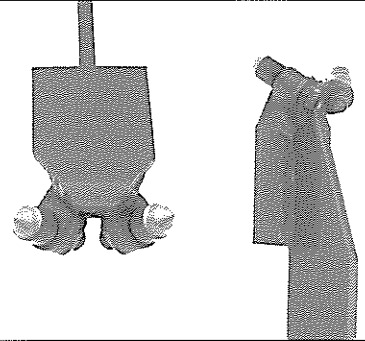
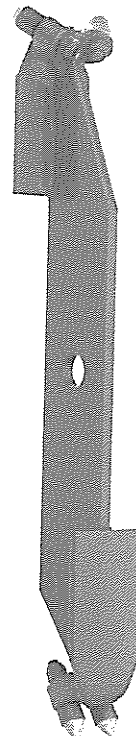
3" Rock Rotor*



Trenches: 1 1/2" wide

Available in: 3", 4", 5", 7", 9" or 12" depths

For use in areas of heavy, scattered rock conditions. (Does not trench as well as the "Clay Rotor" in hard clays.) *Requires 4 replaceable tungsten carbide rock points (part #701-326) for operation (points priced separately and must be ordered separately).

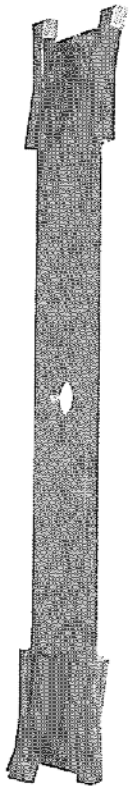


Trenches: 3" wide

Available in: 7", 9" or 12" depths

For use in areas of heavy, scattered rock conditions. (Does not trench as well as the "Clay Rotor" in hard clays.) *Requires 4 replaceable tungsten carbide rock points (part #701-326) for operation (points priced separately and must be ordered separately).

3 Point Clay Rotor



Trench widths:
available in - 2"

Available in: 3", 4", 5", 7", 9", 10" or
12" depths

Normally used for installing sprin-
kler systems or for
burying wires or cable. Also used
for burying edging (plastic, steel, or
other materials).

2 Point Clay Rotor

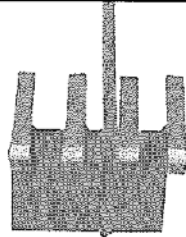
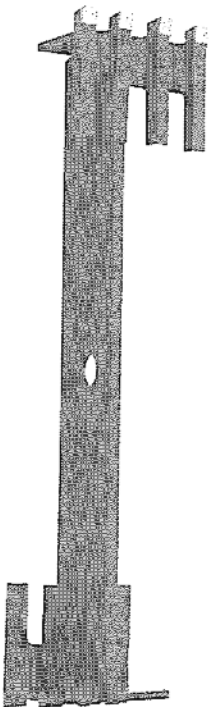


Trenches 1" wide

Available in: 3", 4", 5", 7", 9" or
12" depths

Normally used for burying wire
or cable or for burying edging
(plastic, steel, or other
landscape materials).

RainDrain Rotor



Trenches 4 1/2" wide

Available in 4", 6", 8", 10" or
12" depths

This rotor is used to bury 4" drain
line in order to divert water from
gutter downspouts away from the
house. The rotor is also used for
installing block or brick edging.

Root Pruner



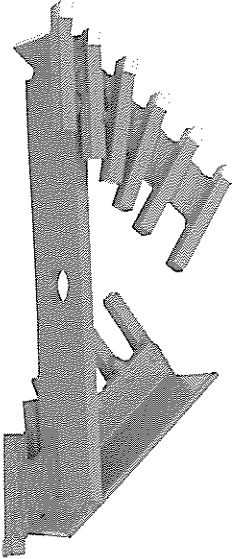
Trenches 1/2" wide

Available in 3,4,5,7,9, or
12" depths

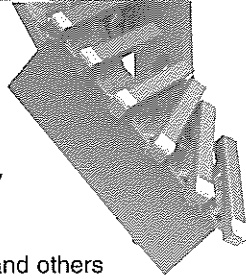
Designed to prune roots close to
sidewalks, driveways, cart paths
or other paved areas, preventing
concrete damage. Also used for
installing electronic dog fencing,
burying irrigation control wires or
lines for low voltage lighting.

BedMaster™

Designed to define beds for natural edges or for installing edging

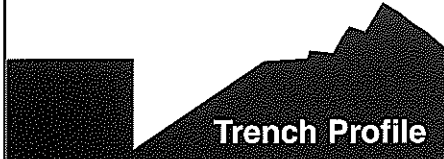


Protected by Patent
5226248,
5355597 and others



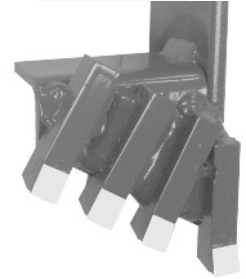
Different sized rotors designed to dig 3", 4", 5" or 6" deep and slopes 6" to 8" back into bed. The 3" BedMaster® rotor is designed for bed defining. The 4" and 5" are designed for installing steel or plastic edging, bricks, paving stones, or other edging materials.

Trench Profile



Re-Defining Rotor

Designed to Re-define existing beds



Trenches 3" deep and slopes into the bed 3"

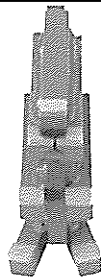
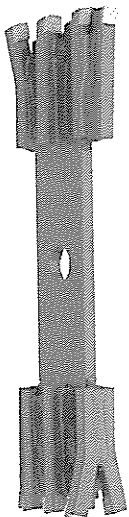
Used instead of 3" BedMaster® for redefining beds. It was developed as an alternative to the 3" BedMaster in an effort to reduce the amount of dirt to be cleaned up after re-doing existing beds. Costs less, digs faster and requires less clean up.

Trench Profile



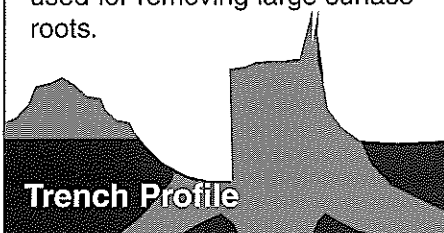
StumpMaster™

Designed to remove small stumps



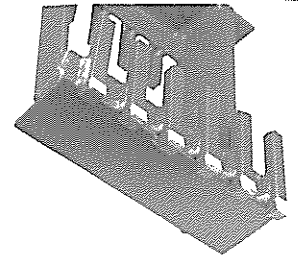
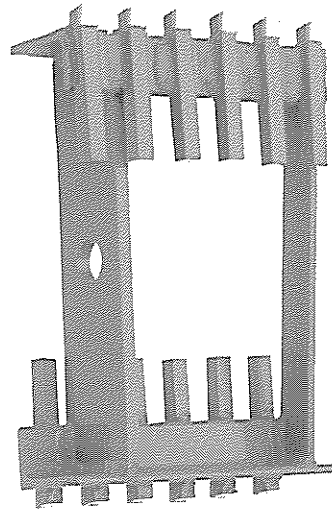
Removes small stumps up to 3 1/2" below the ground surface. Stumps should be no higher than 6" above the ground. May also be used for removing large surface roots.

Trench Profile



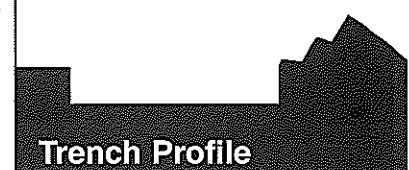
Curbing Rotor

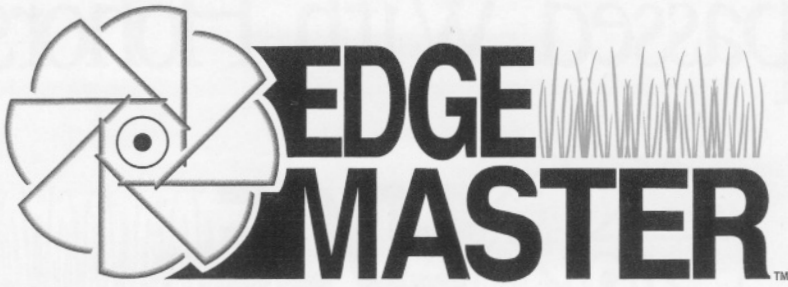
Designed to prepare the bed for the concrete curbing machine



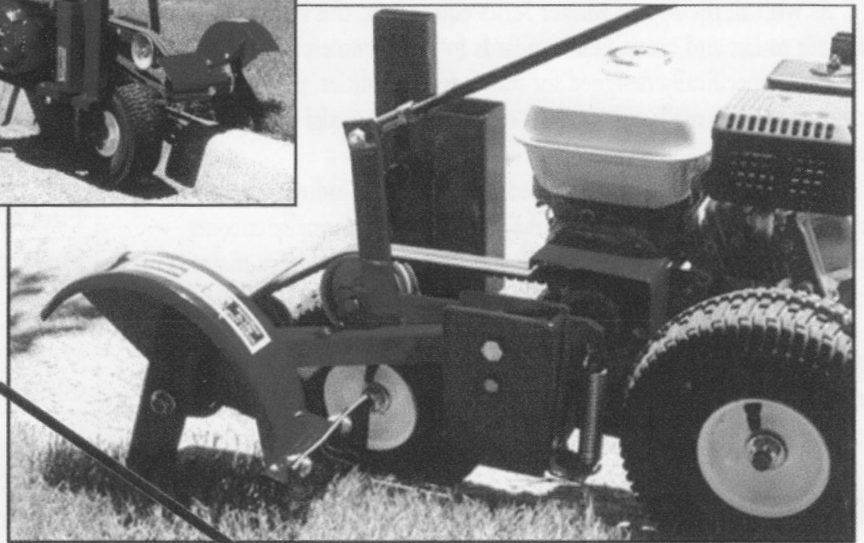
Digs a 2" deep x 9" wide Trench. Also available in 4" x 8" & 2" x 6" for laying timbers and other landscape materials.

Trench Profile





Another Dramatic Advancement
In Commercial Lawn Care
Equipment By Brown



Given A Test, We passed With Honors



The Latest Addition To The Brown Master Series

As with all the Brown Master Series equipment, this little workhorse is built to last and create new standards for the commercial edging industry. Specifically designed for states, municipalities, parks, golf courses, resorts, malls, schools and others with large edging requirements.

The EdgeMaster™ is also designed with the rental industry in mind. This edger is built to take the extreme abuse normally encountered by rental equipment. The EdgeMaster™, with minimum maintenance, should last 4 to 5 times as long as most edgers used for rental.

Adjustable wheels permit edging up to 10" curbs from the street. This eliminates problems with obstacles such as signs, mailboxes, etc.. Also, extreme slopes inside the curb are no longer a problem.

BROWN EDGEMASTERS™ ARE BUILT TO LAST

- Powered by a 5.5 horsepower Honda® or Kohler® Engine
- Heavy duty all structural steel construction
- Equipped with 9" pneumatic balloon tires
- Hollow one inch spindle provides larger bearings for longer wear
- Blade mounts on a 1/2 inch shear bolt to protect the spindle
- Dual purpose lever engages the blade and adjusts blade depth
- Solid steel control rod
- Handy storage tube for carrying extra blades and tools
- One year limited commercial warranty

Specifications

Engine	Honda® or Kohler®
Engine Size	5.5 HP
Ignition System	Transistor
Engine Speed	3600 RPM
Valve System	Overhead Valves
Fuel Capacity	3.88 Quarts
Drive System	Industrial Belt
Construction	Structural Steel
Frame	10 Gage Steel Plate
Clutch System	Idler Pulley
Depth Control	Clutch Lever
Blade Size	Up to 10"
Blade Guard	Semi-enclosed
Wheels	Pneumatic
Max. Curb Height	10"
Bearings	1" Industrial
Spindle	1" (Hollow)
Blade Mount	1/2" Grade 8 Bolt
Blade & Tool Holder	3" Steel Tubing
Dry Weight	115 Pounds



**BROWN
PRODUCTS, INC.™**

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Midland City, AL 36350

www.brownproducts.com



In the outdoor equipment arena, the Brown name needs no introduction. This is due to a long history of providing customers with consistent, dependable products along with exceptional customer service.

In early 2007, Our President/CEO - Billy Brown decided that to continue the Brown tradition of high quality products and services to the outdoor power equipment industry, a separation from the line of agriculture products was in order.

Through this inspiration, Brown Products Inc. was formed. A completely new 35,000 square foot manufacturing and office complex was built in Midland City, Alabama. It's purpose and mission was to create a more focused, more extensive product development program and to further streamline production. In this way, Brown Products, Inc. will ensure continuation of a proud tradition in providing customers with exceptional products and dependable, unmatched customer service.

Along with our new name, our new facility and continued dedication to our customers, we look forward to providing the same dependable products and services that have made Brown a world leader in the outdoor power equipment industry.



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