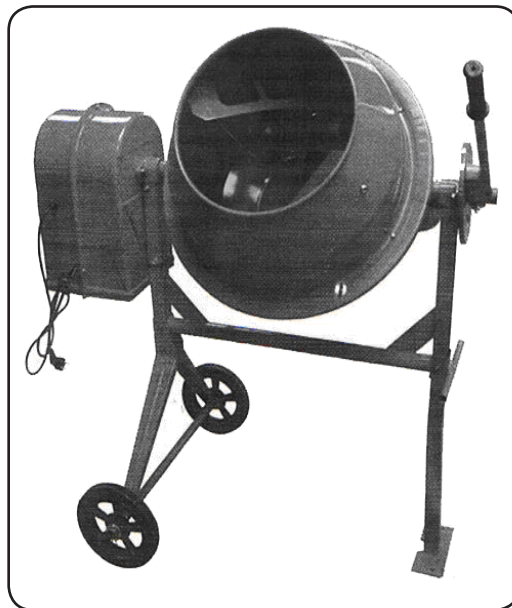


CENTRAL MACHINERY®

3-1/2 CUBIC FT. CEMENT MIXER

Model 67536

SET UP AND OPERATING INSTRUCTIONS



Visit our website at: <http://www.harborfreight.com>



**Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.**

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For technical questions or replacement parts, please call 1-800-444-3353.

Rev 09j

SAVE THIS MANUAL

Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

IMPORTANT SAFETY INFORMATION

In this manual, on the labeling, and all other information provided with this product:



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to personal injury.

CAUTION

CAUTION, without the safety alert symbol, is used to address practices not related to personal injury.

General Tool Safety Warnings



WARNING Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

1. DO NOT OVERLOAD MIXER. An overload can damage equipment.
2. DO NOT MOVE MIXER DURING OPERATION. The Mixer can tip over or motor could be damaged.
3. KEEP SAFE CLEARANCE AROUND MIXER. Keep all persons (except operator) at least six feet from Mixer during operation.
4. KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents.
5. DON'T USE IN DANGEROUS ENVIRONMENT. Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lit.
6. KEEP CHILDREN AWAY. All visitors should be kept safe distance from work area.
7. MAKE WORKSHOP KID PROOF with padlocks, master switches, or by removing starter keys.
8. DON'T FORCE TOOL. It will do the job better and safer at the rate for which it was designed.

9. USE RIGHT TOOL. Don't force tool or attachment to do a job for which it was not designed.

RECOMMENDED MINIMUM WIRE GAUGE FOR EXTENSION CORDS (120 VOLT)				
NAMEPLATE AMPERES (at full load)	EXTENSION CORD LENGTH			
	25'	50'	100'	150'
0 – 6	18	16	16	14
6.1 – 10	18	16	14	12
10.1 – 12	16	16	14	12
12.1 – 16	14	12	Do not use.	

TABLE A

10. USE PROPER EXTENSION CORD. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table A shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.
11. WEAR PROPER APPAREL. Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.
12. ALWAYS USE SAFETY GLASSES. Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
13. SECURE WORK. Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool.

14. DON'T OVERREACH. Keep proper footing and balance at all times.
15. MAINTAIN TOOLS WITH CARE. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
16. DISCONNECT TOOLS before servicing; when changing accessories, such as blades, bits, cutters, and the like.
17. REDUCE THE RISK OF UNINTENTIONAL STARTING. Make sure switch is in off position before plugging in.
18. NEVER STAND ON TOOL. Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
19. CHECK DAMAGED PARTS. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function – check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
20. NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF. Don't leave tool until it comes to a complete stop.

GROUNDING INSTRUCTIONS

⚠ WARNING

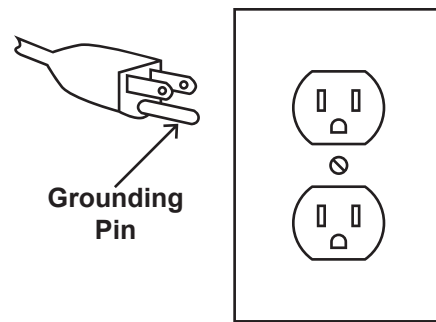
TO PREVENT ELECTRIC SHOCK



AND DEATH FROM INCORRECT GROUNDING WIRE CONNECTION READ AND FOLLOW THESE INSTRUCTIONS:

110-120 V~ Grounded Tools: Tools with Three Prong Plugs

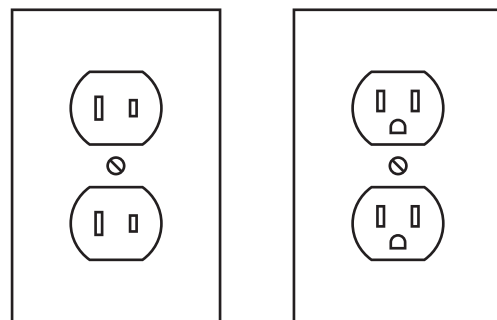
1. In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.
2. Do not modify the plug provided – if it will not fit the outlet, have the proper outlet installed by a qualified electrician.
3. Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.
4. Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.
5. Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool's plug.
6. Repair or replace damaged or worn cord immediately.



125 V~ 3-Prong Plug and Outlet
(for up to 125 V~ and up to 15 A)

7. This tool is intended for use on a circuit that has an outlet that looks like the one illustrated above in **125 V~ 3-Prong Plug and Outlet**. The tool has a grounding plug that looks like the plug illustrated above in **125 V~ 3-Prong Plug and Outlet**.
8. The outlet must be properly installed and grounded in accordance with all codes and ordinances.
9. Do not use an adapter to connect this tool to a different outlet.

110-120 V~ Double Insulated Tools: Tools with Two Prong Plugs



Outlets for 2-Prong Plug

1. To reduce the risk of electric shock, double insulated equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified

electrician to install the proper outlet. Do not change the plug in any way.

2. Double insulated tools may be used in either of the 120 volt outlets shown in the preceding illustration. **(See Outlets for 2-Prong Plug.)**

Mixer Safety Warnings

1. **FOR CEMENT AND MORTAR ONLY. DO NOT USE WITH EPOXY 2-PART RESIN MIX.**
2. **DO NOT OPERATE WITH ANY GUARD DISABLED, DAMAGED, OR REMOVED. Moving guards must move freely and close instantly.**
3. When servicing use only identical replacement parts.
4. Only use safety equipment that has been approved by an appropriate standards agency. Unapproved safety equipment may not provide adequate protection. Eye protection must be ANSI-approved and breathing protection must be NIOSH-approved for the specific hazards in the work area.
5. Industrial applications must follow OSHA guidelines.
6. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
7. Avoid unintentional starting. Prepare to begin work before turning on the tool.
8. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.

9. **WARNING:** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities, contains chemicals known [to the State of California] to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints
- Crystalline silica from bricks and cement or other masonry products
- Arsenic and chromium from chemically treated lumber

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles. (California Health & Safety Code § 25249.5, *et seq.*)

10. **WARNING:** Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling. (California Health & Safety Code § 25249.5, *et seq.*)

11. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Vibration Safety

This tool vibrates during use. Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms

and shoulders. To reduce the risk of vibration-related injury:

1. Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this tool. If you feel any medical or physical symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.
2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
3. Wear suitable gloves to reduce the vibration effects on the user.
4. Use tools with the lowest vibration when there is a choice between different processes.
5. Include vibration-free periods each day of work.
6. To reduce vibration, maintain the tool as explained in this manual. If any abnormal vibration occurs, stop use immediately.

 **SAVE THESE INSTRUCTIONS.**

SPECIFICATIONS

Electrical Input	120 V~ / 60 Hz / 1/3 HP
Motor No Load Speed	1950 RPM
Drum Speed	36 RPM
Drum Capacity	3-1/2" Cubic Feet
Drum Opening	15"

UNPACKING

When unpacking, make sure that the item is intact and undamaged. If any parts are missing or broken, please call Harbor Freight Tools at 1-800-444-3353 as soon as possible.

INSTRUCTIONS FOR PUTTING INTO USE



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

WARNING

TO PREVENT SERIOUS INJURY

FROM ACCIDENTAL OPERATION:

Turn the Power Switch of the tool to its "OFF" position and unplug the tool from its electrical outlet before assembling or making any adjustments to the tool.

Note: For additional information regarding the parts listed in the following pages, refer to the Assembly Diagram near the end of this manual.

Assembly/Mounting

1. Place the Stand (27) into the Triangular Bracket (29) so that bolt holes line up. See Figure 1. **Note:** Set Stand on its side for easier assembly.

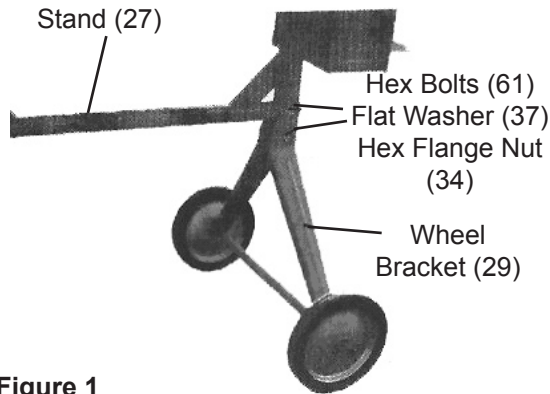


Figure 1

2. Fasten together using Hex Bolts (61), Flat Washer (37) and Hex Flange Nut (34). Tighten with a wrench (not included) until secure.
3. Insert Support Bracket (26) onto Stand so that bolt holes line up. See Figure 2.

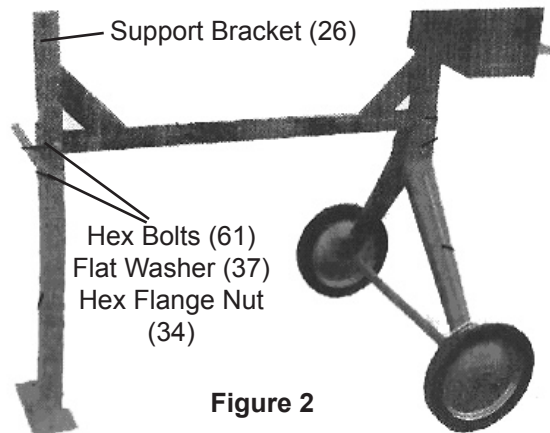


Figure 2

4. Fasten together using Hex Bolts (61), Flat Washer (37) and Hex Flange Nut (34). Tighten with a wrench until secure.
5. Place Stand upright.

6. To attach Wheels (65) to Wheel Bracket, slide Flat Washer (64), Wheels and second Flat Washer onto Bracket axle. Then Insert Cotter Pins (63) into the Bracket's axle holes and split the ends. See Figure 3.

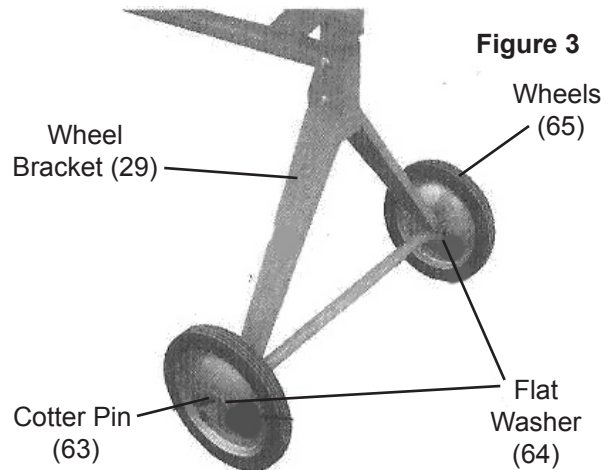


Figure 3

7. With assistance, set the Lower Drum (3) with attached Arm (22) into Stand assembly. See Figure 4.

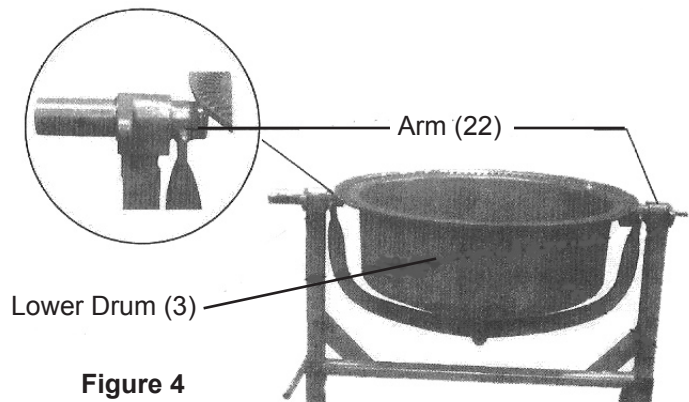


Figure 4

8. Fasten together using Hex Bolts (54), Flat Washer (37), and Hex Flange Nut (34). Tighten with wrench until secure.
9. Use Hex Bolt (31) to mount Handle Control Plate (9) to Support Bracket (10). Fasten together with a Flat Washer (32) and two Hex Nuts (33).

10. Attach Control Handle (7) to Support Bracket (10) shaft by inserting the Coil Spring into lower hole of Arm.
11. Press down on Arm until holes align on the Pinion Shaft (17).
12. Insert the Hex Bolt (31) and secure with Hex Nut (33).
13. Tighten to a point where the Arm can still move
14. Place a Locking Hex Bolt next to Hex Stud and secure. See Figure 5.

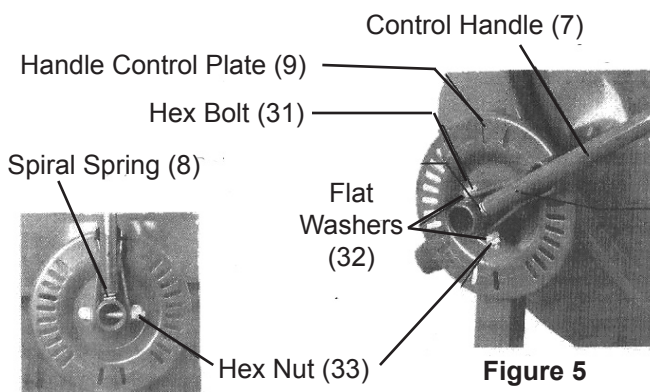
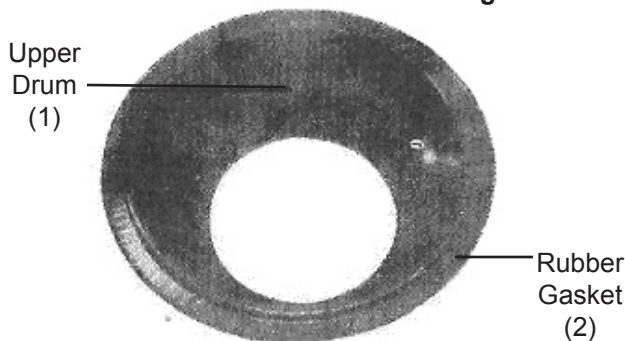


Figure 5

15. Use gasket sealer (not included) to stick the Rubber Gasket (2) to the Upper Drum (1), making sure the holes in both align. The Gasket must be flat on the Upper Drum to ensure a proper seal. See Figure 6.

Figure 6



16. Place the Upper Drum onto the Lower Drum (3), making sure the mounting holes align in both.

17. Insert the six Screws (40) into each mounting hole. Fasten Drums together using Plastic Washers (39) and Hex Flange Nuts (38).
18. Mount each Paddle (6) inside the assembled Drum with the pointed end facing downward. The V-shaped bend in the Paddles should point in the direction of the Drum rotation (clockwise).
19. Fasten Paddle to Drums using the Hex Bolt (35), Washer (5), and Hex Flange Nut (34).
20. Use the Hex Bolt (55), Flat Washer (37), and Hex Flange Nut (34) to mount the Motor Hood (20) to the Support Bracket (10). See Figure 7.

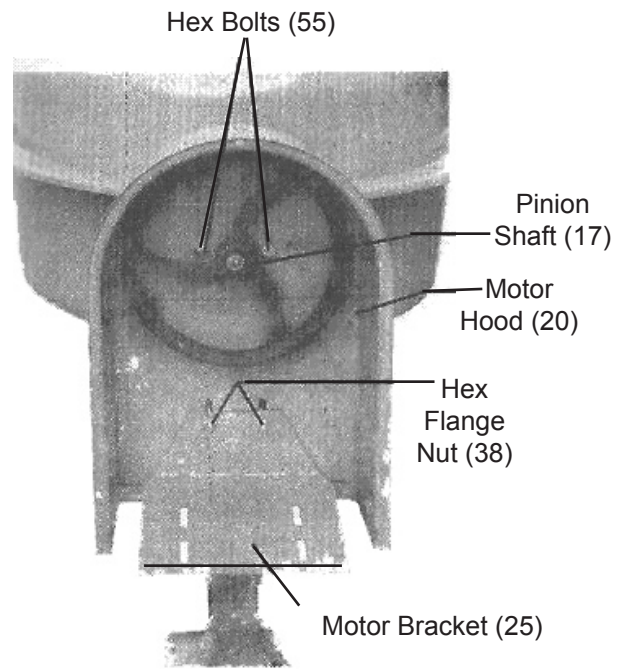


Figure 7

21. Using the Hex Bolt (58), Flat Washer (48), Hex Nut (38) and Clamp (28) to attach the Motor Bracket (25) to the Motor Hood. See Figure 8. Tighten connections until secure.

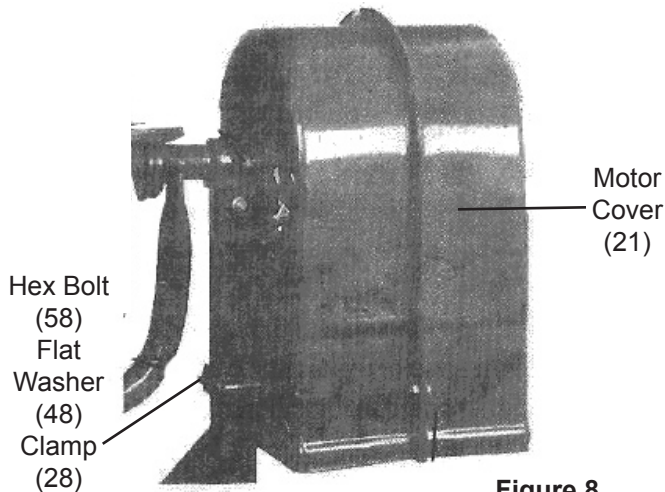


Figure 8

22. Clean the Pinion Shaft of all plastic protective material and other debris. Also clean out any debris from the Motor Pulley's (24) hub.
23. Smear a few drops of lubricating oil on the Pinion Shaft and Squarely push the Drum Pulley (18) onto the Shaft so that the groove in the Pulley engages the Square Key (47). The Pulley should be flush with the step on the Pinion Shaft. See Figure 9.

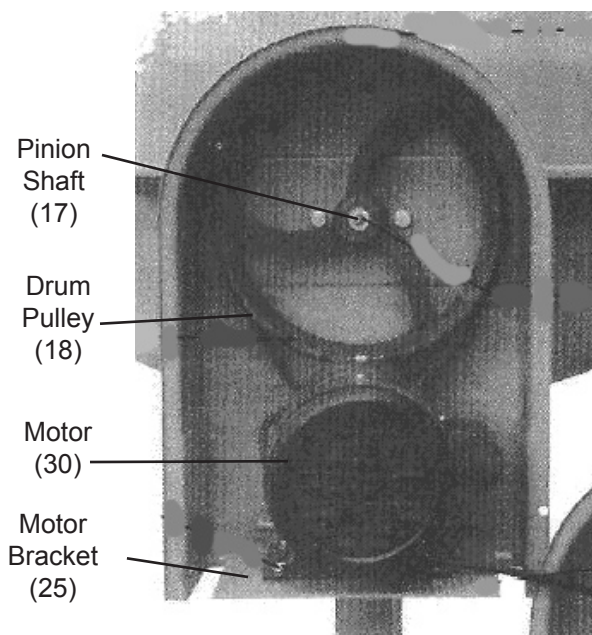


Figure 9

24. Place the Motor (30) onto the Motor Bracket.
25. Use Hex Bolt (41), Flat Washer (37) and Hex Flange Nut (34) to secure the Motor to the Motor Mount Plate. Hand-tighten all four Hex Nuts since the motor will be adjusted forward or backward later.
26. **WARNING!** Do not hammer the Drum Pulley onto the Pinion Shaft. Doing so can damage the unit and possibly lead to a loose fitting Belt.
27. Once the Pulley is pushed in all the way, use an hex key wrench (not included) to tighten the Screw (59) on the side of the Pulley's hub.
28. Attach the V-Belt (60) by placing it around the Motor Pulley (24) and then over the Drum Pulley (18). Using a flat-edge screwdriver (not included), push the Motor inward until the Motor is directly under the Drum Pulley. Tighten the Bolts securing the Motor to the Motor Bracket (25).
29. Push the Motor downward until the Belt tension is tight. When proper V-Belt (60) tension (see page 11 under "Belt Inspection and Tensioning") is achieved, tighten the Hex Bolt (58).
30. Check if Motor and belt turns correctly. Hand turn the Drum Pulley and verify that Motor Pulley and Drum Pulley do not rub against any other part. Adjust Motor location as needed.
31. Mount the Motor Cover (21) to the Motor Hood (20) using three Screws (40), Flat Washers and Hex Flange Nuts (38). See Figure 8.
32. **CAUTION!** Make sure that the power cord from the Motor to the Switch (49) does not come in contact with any moving parts.

33. Check all connections verify that all screws, nuts, and bolts are securely tightened.

OPERATING INSTRUCTIONS



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Tool Set Up



TO PREVENT SERIOUS INJURY

FROM ACCIDENTAL OPERATION:

Turn the Power Switch of the tool to its “OFF” position and unplug the tool from its electrical outlet before performing any inspection, maintenance, or cleaning procedures.

TO PREVENT SERIOUS INJURY: DO NOT OPERATE WITH ANY GUARD DISABLED, DAMAGED, OR REMOVED. Moving guards must move freely and close instantly.

Work Piece and Work Area Set Up

1. Designate a work area that is clean and well-lit. The work area must not allow access by children or pets to prevent distraction and injury.
2. Route the power cord along a safe path to reach the work area without creating a tripping hazard or exposing the power cord to possible damage. The power cord must reach the work area with enough extra length to allow free movement while working.

3. There must not be objects, such as utility lines, nearby that will present a hazard while working.

General Operating Instructions

1. Place the Concrete Mixer on a solid, even surface.
2. Connect the Power Cord (66) to an electric outlet (or properly rated grounded three prong extension cord).
3. Add material to the Drum. Typical maximum quantities include: 2 gallons water with 3 shovels of cement and 15 shovels aggregate rock (using a size 3 shovel, not included.)
4. Adjust the Drum angle by pulling on the Control Handle (7). First, disengage the locking pins on the Arm (22) and push on Arm until the desired angle is reached. Re-engage the locking pins.
5. Flip the switch (49) to “ON” (I) position.
6. Once materials are mixed, tilt Drum and dump materials where needed. The materials are dumped while the Drum is rotating.
7. When finished, flip the Switch to the “OFF” (O) position and disconnect the power cord.
8. Tilt the Drum angle as far down as possible to drain all fluids from Drum.
9. Clean, then store indoors and out of children’s reach.

MAINTENANCE AND SERVICING



Procedures not specifically explained in this manual must be performed only by a qualified technician.

!WARNING

TO PREVENT SERIOUS INJURY

FROM ACCIDENTAL OPERATION:

Turn the Power Switch of the tool to its "OFF" position and unplug the tool from its electrical outlet before performing any inspection, maintenance, or cleaning procedures.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:

Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

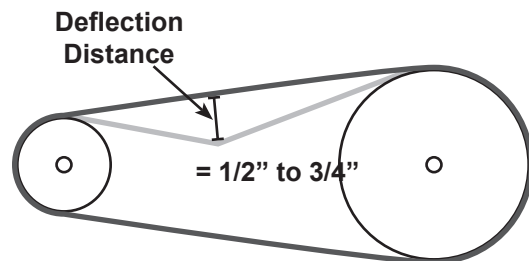
Cleaning, Maintenance, and Lubrication

1. **BEFORE EACH USE**, inspect the general condition of the tool. Check for loose hardware, misalignment or binding of moving parts, cracked or broken parts, damaged electrical wiring, damaged or cracked belts, and any other condition that may affect its safe operation.
2. **AFTER USE**, immediately wash out all debris from the inside and outside of the Cement Mixer. Scrub the inside of the Drum with a stiff, long handled bristle brush for best results. Wipe external surfaces of the tool with clean cloth. I
3. DO NOT apply water in or around the Motor Base Cover

4. **PERIODICALLY** recheck all fasteners and other connections for tightness.
5. **!WARNING!** If the supply cord of this power tool is damaged, it must be replaced only by a qualified service technician.

Belt Inspection and Tensioning

1. Retighten belt after the first 25 hours of use. To test the tension, follow the steps below.
2. Remove belt cover.
3. Examine belt for cracks, tears in the backing, or other damage. Replace belt if damaged according to steps below:
 - a. Loosen the motor bracket bolts and slide the bracket up as far as possible.
 - b. Slide the old belt off of the larger pulley first, then remove it from the motor pulley.
 - c. Put the new belt around the small pulley first, then around the large pulley.
 - d. Move the motor bracket down the belt until it is properly tensioned according to the directions below. Tighten the motor bracket bolts.
4. Check and adjust belt tension according to the steps below:



- a. Press on the center of the longest span on the belt with moderate finger pressure. Then measure the deflection distance, the distance that the belt moved. The belt should deflect anywhere from 1/2" to 3/4".

- b. **If the belt deflects too much**, tighten belt by loosening the motor mounting bolts and moving the motor away from the other pulley slightly. Secure motor mounting bolts and retest tension. If the belt is too long to be properly tensioned, it must be replaced.
- c. **If the belt deflects too little**, loosen the motor bracket bolts and lift it upward. Secure motor mounting bracket and retest tension.
5. Before use, replace belt motor cover.

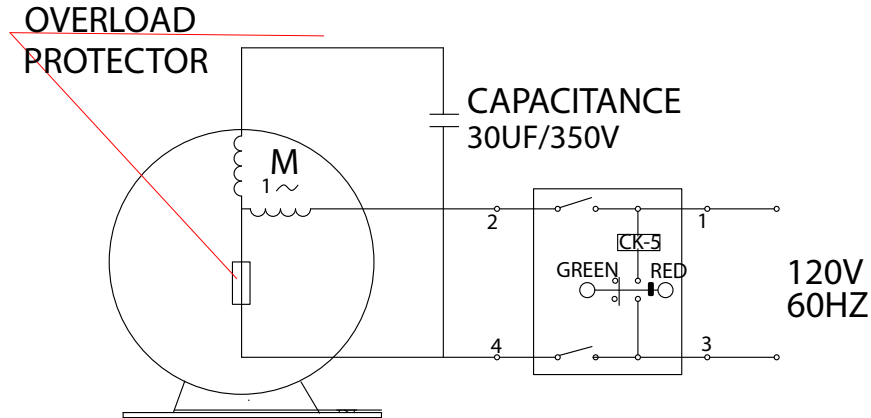
Troubleshooting

Problem	Possible Causes	Likely Solutions
Tool will not start.	<ol style="list-style-type: none"> 1. Cord not connected. 2. No power at outlet. 3. Internal damage or wear. 	<ol style="list-style-type: none"> 1. Check that cord is plugged in. 2. Check power at outlet. If outlet is unpowered, turn off tool and check circuit breaker. If breaker is tripped, make sure circuit has the correct capacity for the tool and circuit has no other loads. 3. Have technician service tool.
Tool operates slowly.	Extension cord too long or wire size too small.	Eliminate use of extension cord. If an extension cord is needed, use shorter/heavier gauge cord. See <i>Extension Cords</i> in <i>GROUNDING</i> section.
Excessive noise or rattling.	<ol style="list-style-type: none"> 1. Belt (if equipped) too loose (slipping) or too tight (bearing damage). 2. Internal damage or wear. 	<ol style="list-style-type: none"> 1. Properly tension belt. 2. Have technician service tool.
Overheating/ Overloading.	<ol style="list-style-type: none"> 1. Running at 100% load for extended time. 2. Blocked motor housing vents. 3. Motor being strained by long or small diameter extension cord. 	<ol style="list-style-type: none"> 1. Allow for lighter no-load intervals. 2. Wear ANSI-approved safety goggles and NIOSH-approved dust mask/respirator while blowing dust out of motor using compressed air. 3. Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load. See <i>Extension Cords</i> in <i>GROUNDING</i> section.



Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect power supply before service.

Wiring Connection Diagrams



Note: The motor may require wiring prior to use. For your safety, this work should be done only by an electrician or qualified technician.

PLEASE READ THE FOLLOWING CAREFULLY

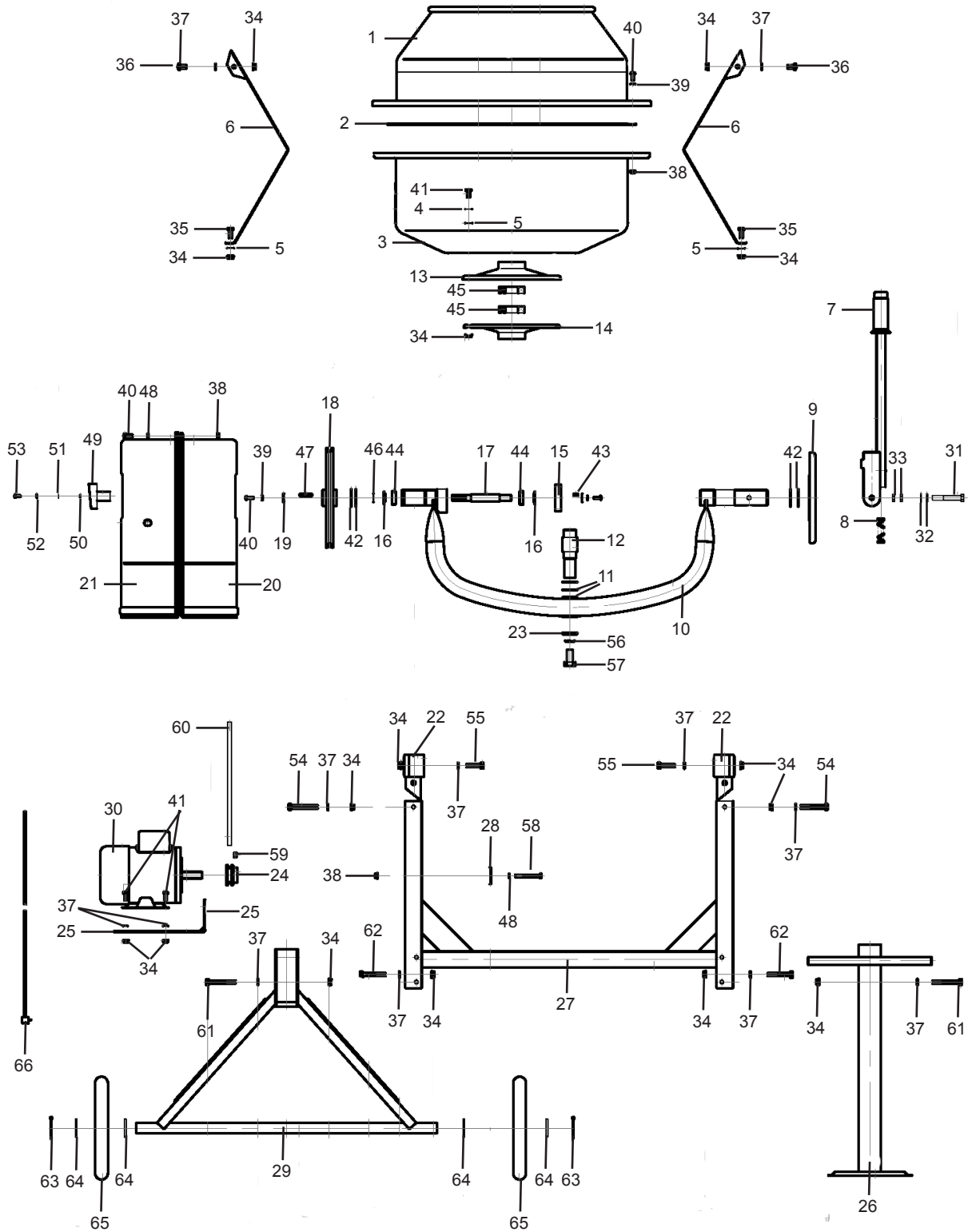
THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

PARTS LIST

Part	Description	Qty.
1	Upper Drum	1
2	Rubber Gasket	1
3	Lower Drum	1
4	Washer	8
5	Aluminum Washer	10
6	Saddle	2
7	Control Handle	1
8	Spiral Spring	1
9	Handle Control Plate	1
10	Support Bracket	1
11	Adjusting Washer	3
12	Shaft	1
13	Upper Bearing Plate	1
14	Nest Bearing Plate	1
15	Gear	1
16	Washer	2
17	Pinion Shaft	1
18	Drum Pulley	1
19	Washer	1
20	Motor Hood	1
21	Motor Cover	1
22	Arm	2
23	Washer	1
24	Motor Pulley	1
25	Motor Bracket	1
26	Support Bracket	11
27	Stand	1
28	Clamp	1
29	Wheel Bracket	1
30	Motor	1
31	Hex Bolt (M10x70)	1
32	Flat Washer 10	2
33	Hex Nut (M10)	2

Part	Description	Qty.
34	Hex Flange Nut (M8)	28
35	Hex Bolt (M8x20)	2
36	Set Screw (M8x16)	2
37	Flat Washer 8	18
38	Hex Flange Nut (M6)	11
39	Plastic Washer 6	7
40	Set Screw (M6x16)	10
41	Hex Bolt (M8x16)	12
42	C-Clip 38	4
43	Elastic Pin (5x35)	1
44	Bearing (#60102)	2
45	Bearing (#60206)	2
46	C-Clip 15	1
47	Square Key (5x28)	1
48	Flat Washer 6	5
49	Switch	5
50	Hex Nut (M4)	3
51	Toothed Elastic Washer 4	3
52	Flat Washer 4	3
53	Set Screw (M4x12)	3
54	Hex Bolt (M8x60)	4
55	Hex Bolt (M8x25)	4
56	Elastic Washer 14	1
57	Hex Bolt (M14x30)	1
58	Hex Bolt (M6x60)	2
59	Set Screw (5x12)	1
60	V-Belt O-850	1
61	Hex Bolt (M8x65)	4
62	Hex Bolt (M8x55)	2
63	Cotter Pin (5x45)	2
64	Flat Washer 25	4
65	Rubber Wheel	2
66	Power Cord	1

ASSEMBLY DIAGRAM



LIMITED 1 YEAR / 90 DAY WARRANTY

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that for a period of one year from date of purchase that the tank is free of defects in materials and workmanship (90 days if used by a professional contractor or if used as rental equipment). Harbor Freight Tools also warrants to the original purchaser, for a period of ninety days from date of purchase, that all other parts and components of the product are free from defects in materials and workmanship. This warranty does not apply to damage due directly or indirectly to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

3491 Mission Oaks Blvd. • PO Box 6009 • Camarillo, CA 93011 • (800) 444-3353

Record Product's Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.