



Operation Manual & Parts List

OF9S-L Multi-Purpose Floor Machine



SAVE THESE INSTRUCTIONS

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General Instructions

READ & FOLLOW ALL INSTRUCTIONS BEFORE USING THIS FLOOR MACHINE

This floor machine will afford you many years of trouble-free operating satisfaction if it is given proper care. All parts have passed rigid quality control standards before being assembled to produce the finished product. Prior to packaging, units are again inspected for assurance of flawless operation.

This floor machine was protectively packed to prevent damage in shipment. We recommend that upon delivery, remove the unit from its carton and carefully inspect it for any possible damage in transit. A warranty card is affixed to the handle. It is your responsibility to fill it out and send it to our office to register your purchase and start your warranty. Failure to send us this card in within one week upon receipt of the machine may void the warranty.

If damage is discovered, immediately notify the transportation company that delivered your floor machine. As a shipper, we are unable to act upon any claim for concealed damage. **You must originate any claim within 5 days of delivery.**

These instructions are for your protection and information. **PLEASE READ CAREFULLY!** Failure to follow these precautions could result in injury or discomfort.

Treat this floor machine as you would any other high-grade precision-made product. Throwing, dropping, unreasonable bumping across thresholds and other misuse may result in a damaged unit and invalidate the warranty.

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Silica Vacuum Warning



Grinding/sanding of masonry, concrete, metal and other materials with silica in their composition may give off dust or mists containing crystalline silica.

Silica is a basic component of sand, quartz, brick clay, granite and numerous other minerals and rocks. Repeated and/or substantial inhalation of airborne crystalline silica can cause serious or fatal respiratory diseases, including silicosis. In addition, California and some other authorities have listed respirable crystalline silica as a substance known to cause cancer. When grinding such materials, always follow respiratory precautions. Use appropriate NIOSH-approved respiratory protection and OSHA approved vacuum where dust hazard may occur.

CALIFORNIA PROPOSITION 65 MESSAGE Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contain 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, cement and other masonry products • Arsenic and chromium, from chemically treated lumber. For further information, consult the following sources:

<http://www.osha.gov/dsg/topics/silicacrystalline/index.html>

<http://www.cdc.gov/niosh/docs/96-112/>

<http://oehha.ca.gov/prop65/law/P65law72003.html>

<http://www.dir.ca.gov/Title8/sub4.html>

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 dust masks that are specially designed to filter out microscopic particles. The use of a dust extraction device should always be used when grinding/sanding dry with Onfloor equipment. To achieve a high level of dust collection, use an industrial HEPA vacuum cleaner.

Important Safety Instructions



**To reduce the risk of fire, electric shock or injury:
Read all instructions before using this floor machine.**

- 1) **DO NOT** leave the floor machine plugged in when not in use. Unplug from the outlet when not in use and/or before servicing.
- 2) Electric shock could occur if exposed to rain. Store indoors.
- 3) This is **NOT** a toy. Close attention is necessary when used around or near children.
- 4) Use only as described in this manual. Use only manufacturer's recommended attachments.
- 5) **DO NOT** use with damaged cord plug. If the floor machine is not working as it should because it has been dropped, damaged, left outdoors, or dropped into water, contact the manufacturer or authorized service center.
- 6) **DO NOT** handle the plug or operate with wet hands.
- 7) **DO NOT** pull or carry by cord, use power cord as a handle, close a door on cord, or pull cord around sharp edges or corners. **DO NOT** run floor machine over the cord. Keep cord away from heated surfaces.
- 8) **DO NOT** unplug by pulling on cord. To un- plug, grasp plug, not the power cord.
- 9) **DO NOT** put any object into motor openings.
- 10) Keep hair, loose clothing, fingers and all parts of body away from moving parts.
- 11) **DO NOT** use a vacuum without the proper manufacturer's filters in place.
- 12) **DO NOT** operate where anesthetics and oxygen are used.
- 13) **DO NOT** use around flammable or combustible liquids such as gasoline or use in areas where they may be present.
- 14) Replace damaged or worn parts immediately with genuine Onfloor equipment parts to maintain safety and protect your limited warranty.
- 15) Floor sanding can result in an explosive mixture of fine dust and air. Use a floor sanding machine only in a well-ventilated area.
- 16) This floor machine must be connected to a properly grounded outlet only. (See grounding method on page 6)

Grounding Instructions & Methods



Improper use of the grounding plug can result in a risk of electric shock!

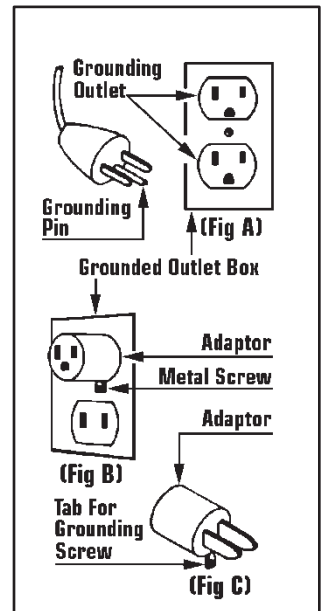
This floor machine must be grounded. Grounding provides a path of least resistance for electrical current to reduce the risk of electric shock.

This machine is equipped with an equipment-grounded plug. The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

If repair or replacement of the cord or plug is necessary, **DO NOT** connect the grounding wire to either flat blade terminal. The insulated wire with an outer surface that is green with or without yellow stripes is the grounding wire.

The floor machine is for use on a nominal 120 volt circuit and has a grounding plug that looks like the plug illustrated in (Fig A). A temporary adaptor that looks like the adaptor illustrated in (Fig B & C) may be used to connect the plug to a 2-pole receptacle as shown in (Fig A) if a properly grounded outlet is not available.

The temporary adaptor should be used only until a properly grounded outlet (Fig A) can be installed by a qualified electrician. The green color rigid ear, lug, or like extending from the adaptor must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adaptor is used, it must be held in place by the metal screw (Fig C).



WARNING: Improper connection of the equipment-grounding conductor can result in a risk of electrical shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. **DO NOT** modify the plug provided with the machine. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.

NOTE: In Canada, use of a temporary adaptor is not permitted by the Canadian Electrical Code.

Operating Instructions

- 1) Clear the floor of any materials or objects.
- 2) Select and install the accessory tools required for the job. (See p 8 for installation instructions.)
- 3) Move the handle from the lowered “storage” position to the angled “operating” position and lock in place.
- 4) Place your hands on the handle grips and apply slight pressure to lighten the load on the tools. **DO NOT** lift the tools off of the ground!
- 5) Push the start switch toggle forward to “ON” position. Motor will start.
- 6) When the machine is running, remove handle pressure and lower completely onto the working surface.
- 7) To stop the machine push, start switch toggle backward to “OFF” position.

Note: If machine unexpectedly shuts down due to a circuit overload, check breaker box feeding the outlet that the machine is plugged into. **TURN MACHINE TOGGLE TO “OFF” POSITION BEFORE RESETTING CIRCUIT BREAKER.**



DO NOT attempt to operate this unit if the machine is not fully assembled. When servicing or replacing accessories turn OFF the machine and disconnect from the power source.

Reversing Tool Direction

The tools can be rotated in either direction on this machine. The “Forward” direction is when the cooling fan on top of the motor is rotating counter-clockwise when viewed from the operator’s position. The “Reverse” direction is when the cooling fan rotates clock-wise when viewed from the operator’s position. There is a toggle switch located on the side of the motor connection box that allows the operator to select the desired direction. If a change in direction is desired, change the switch position while motor is off.

All tools supplied by Onfloor can operate in the Forward direction. Some tools supplied by Onfloor can be operated in either direction. Tools such as 8-way scrapers and Diamabrush tools are designed to operate in Forward direction ONLY.

If you have questions about tool direction, please contact Onfloor or your Onfloor representative before using.

Installation & Changing of Accessory Tools



When installing or changing tools, turn OFF the Machine and disconnect the power cord from the electrical outlet

Before Installation or Changing Attachments:

1. Unplug the machine from the wall outlet.
2. Ensure handle is in the straight up position and locked in place.
3. Tilt machine back by bracing it with your foot until the handle is lying on the floor and the head is fully exposed. **Note:** It is recommended that a towel or pad is placed under the machine to protect the floor.

Changing and Installation of Attachments

Always wear protective gloves when installing or removing attachments.

1. Using one hand as leverage and the other to pry the tool away from the machine using a flat screwdriver or pry bar.
2. Select the attachment required for the job, line up the holes on the attachment with the four metal pins protruding from each of the three heads.
3. Push attachments on by hand and if necessary, carefully tap it into place with a rubber mallet.
4. Carefully raise the handle, supporting the axle with your foot to control the head of the machine as it is placed on the floor.
5. Check the liquid level on the frame between the wheels. Turn the knob beside the level until the bubble is between the lines. (See Leveling Machine for more detail.)
6. Since the attachments are different heights, you may need to adjust the dust skirt to make sure it is level with the attachments. This will ensure clean and virtually dust-free operation.
7. To adjust skirt, align the skirt with the center of the machine and wrap it around allowing bottom edge of skirt to contact floor.
8. Move the handle back to the operating position and lock in place.

Leveling Machine for Tool Wear or Tool Change.

Any time the tool is changed on the machine, the machine must be leveled in order to maintain proper tool contact to the floor. This adjustment needs to be checked periodically even when the same tool is used for an extended time. To do this find the liquid level located at the rear of the machine. The goal is to keep the bubble centered between the lines while the machine is in the user position. Beside this level is an adjusting knob. While observing the level, rotate the adjustment knob to center the bubble between the lines.

If the bubble appears toward the rear of the machine, rotate the knob clockwise to move the bubble to center.

If the bubble appears toward the motor, rotate the knob counter-clockwise to move the bubble to center. It will be easier to make this adjustment by lifting up on handle while turning the knob.

Belt Changing Instructions

1. Unplug machine from power source.
2. Remove the vacuum hose from the top of machine by twisting and sliding the hose cuff from the tube just behind the front handle.
3. Place handle in the straight up position and latch there.
4. Remove any weights on machine.
5. Tilt handle back until handle rests on floor. Place a cloth beneath handle to protect floor.
6. Remove tool (if present) by prying the tool using a flat screwdriver or small pry bar. Use gloves for this step.
7. Using a ½" wrench or socket remove the four (4) 5/16-18 hex bolts on the underside of the machine. This will allow the dust cover to be removed from machine.
8. Raise machine back up to normal position.
9. Using a 9/16 wrench or socket, loosen, but DO NOT REMOVE the four (4) 3/8-16 bolts located on the motor mounting plate. They should be loosened enough that the lock washer under the head can be rotated by hand.
10. At the very rear of the machine locate the 3/8-16 tensioning bolt. This bolt connects to the motor mounting plate beneath the liquid level. Using two 9/16 wrenches, hold the head of the bolt while using the other to loosen the 3/8 nut on the shaft of the bolt.
11. Once the nut is loosened, turn the bolt head counter-clockwise to relieve tension on the motor mount plate and therefore the belt. Continue loosening both the nut and bolt head in turn while sliding the motor toward the front of machine.
12. Place your hand under frame of machine and work belt off of rear motor pulley.
13. To install new belt, tilt machine back and rest on floor as in step 4. Wrap belt around large pulley first, then around motor pulley. Note, it may be necessary to slide the motor up in order to get the belt around the motor pulley.
14. Using a 9/16 wrench or socket, tighten the 3/8 tensioning bolt (same bolt as in step 9) until belt is snug. Set machine back upright.
15. Tighten the locking nut on the tension bolt using a 9/16 wrench while holding the head of the tensioning bolt.
16. Using a 9/16 wrench or socket tighten the four (4) 3/8 bolts that secure the motor mounting plate (same bolts as in step 8). Turn the large pulley by hand to make sure belt is properly tracking in the pulleys. Tilt machine back until handle rests on floor.

17. Replace the dust cover using the four (4) 5/16 bolts, lock washers and flat washers. Tighten using a ½ wrench or socket.

18. Set machine upright and reinstall the vacuum hose onto the vacuum tube.

Bearing Inspection

To inspect the condition of the bearings in the large pulley it is necessary to first loosen the tension on the belt. To do this, follow the steps 1-12 in the “Belt Change” section. Then tilt machine back until resting on floor. After loosening the belt tension, move the pulley left to right to detect any movement or play in the bearings. There should be almost no movement during this inspection. The more play, the worse the condition of the bearings.

Bearing Replacement

This job requires a set of retaining ring plyers, safety glasses and the proper replacement bearings as well as some general hand tools. The bearings used here are 6204 bearings with double seals. These are available from Onfloor, part number 297623. It is very important to wear the safety glasses especially when removing and installing the retaining rings. If you do not have retaining ring plyers they can be purchased at Lowes, Home Depot, Harbor Freight, and other tool stores for about \$30.

Once the bearings are determined to be in need of replacement, follow the steps below to remove the pulley.

First, follow the steps in the section “Belt Changing Instructions” to remove the belt. Then follow the steps below.

1. With the handle in the straight up position, tilt the machine to its right side so the machine is resting on the side of the frame and one of the wheels. This makes the machine stable and less likely to tip over.
2. Using a 15/16 socket with an extension, remove the nut and flat washer located in the center of the pulley. The flat washer located behind the nut is a 16mm flat washer and not a standard SAE type so be careful not to lose them as they may be challenging to purchase locally. Pull the pulley straight out and away from the machine.

With the pulley removed we can proceed with bearing replacement. Look at the pulley from the back and you will see the retaining ring that secures the bearings in place. Wearing your safety glasses and using the retaining ring plyers remove the retaining ring.

Installation Using a Press

The best method to remove and install new bearings is to take the pulley to a hydraulic press and press the bearings in and out. When using this method, it is important to properly support the pulley to allow space for the old bearings to exit. This is accomplished by supporting the pulley as close to the center as practical using 2 pieces of 2 x 4 lumber or 2 pieces of equal thickness steel. When pressing the old bearings out it is acceptable to use almost any device as a pushing tool as long as it will fit through the center opening without touching the pulley. This means a piece of metal tubing or rod or even a piece of

wood that will fit through a 1.29" diameter hole. The same 15/16 socket used to remove the nuts works well for this. We do not need to be cautious about damaging the old bearings during removal. See illustration page 12.

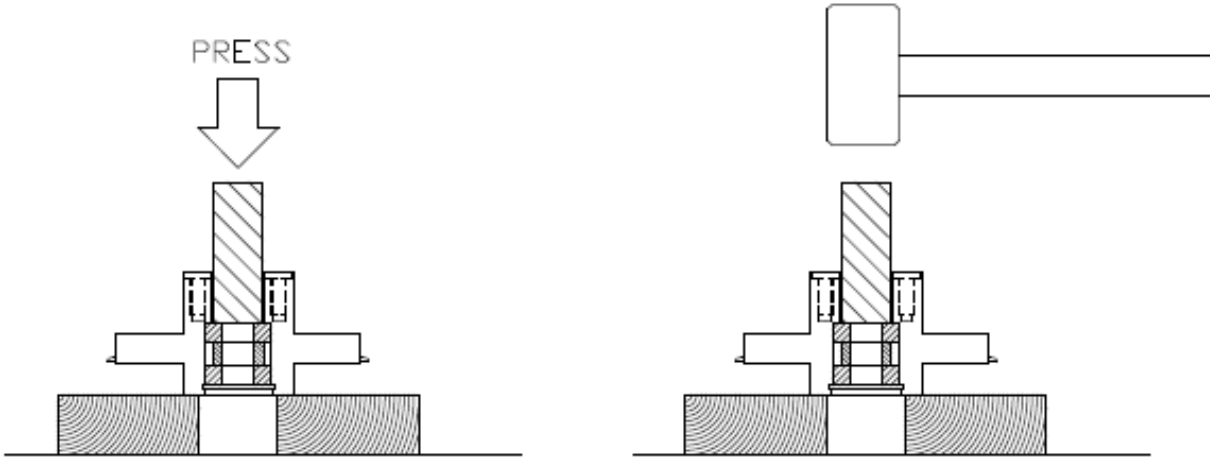
When installing the new bearings, first clean the surface of the opening where the bearings are to enter. If your pulley has the 4 drive pins installed, I suggest removing them for this process. You will need a 7/16 deep well socket for this. Stand the pulley in the press resting on its front face. Use a pusher device that will contact the OUTER RACE. It is important that you do NOT press on the inner race or seal to install the bearings. This will damage the bearings and shorten their life. The best choice for a pushing tool is a round rod/pipe or piece of wood that is 1-13/16" diameter that will pass through the opening in the pulley. Many people use a large socket that makes contact with the outer race but fits through the opening. The first bearing must be pressed all the way down to the bottom of the cavity, followed by the spacer ring (you don't want to forget this) then, finally the last bearing. Be careful not to over press especially if you left the drive pins in the pulley. When properly installed the last bearing will be below the retaining ring groove and the retaining ring should go in easily. See illustration page 12.

Installation without a Press

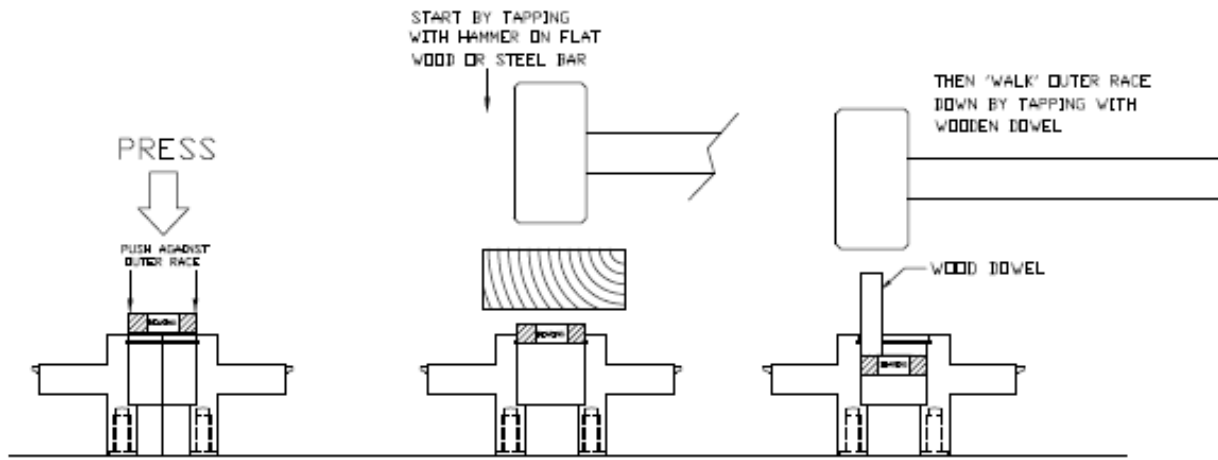
When using this method, use a short piece of wood (or 15/16 socket) and a mallet/hammer to drive the old bearings from the pulley. Support the pulley on a piece of wood to prevent damaging it. We don't have to be cautious about damaging the old bearings during removal. As bearings are driven out, lift pulley to allow exit. When installing the new bearings, first clean the surface of the opening where the bearings are to enter. Turn the pulley over and rest its front face (or drive pins if present) on the piece of wood. Place the first bearing in the center opening and place a flat piece of wood or steel across the top of the bearing. See Illustration, page 12. It is important that you drive the bearing in straight AND that you do this by applying force to the outer race. It is OK that the flat steel or wood is contacting the inner race as long as the outer race is also in contact. Tap the wood/steel plate with the hammer and slowly drive the bearing until it is flush with the top of the pulley. Now there are 2 ways to proceed. One is to find a round object (large socket, steel tube, steel rod, etc.) that will contact the outer race and also fit through the opening in the pulley and use this object to further tap the bearing to the bottom of the cavity. The other way is to use a short wooden dowel ½ or ¾" in diameter and to tap the outer race with small taps as you work the dowel around the perimeter of the outer race as you gradually drive the bearing down to the bottom. When the first bearing is installed, follow with the spacer ring (you don't want to forget this) then; repeat the same process with the top bearing. Then install the retaining ring.

Reinstall drive pins, pulley, in reverse order.

Reinstall belt and dust cover as covered in the "Belt Change" section.



REMOVING OLD BEARINGS



INSTALLING NEW BEARINGS

General Safety Precautions



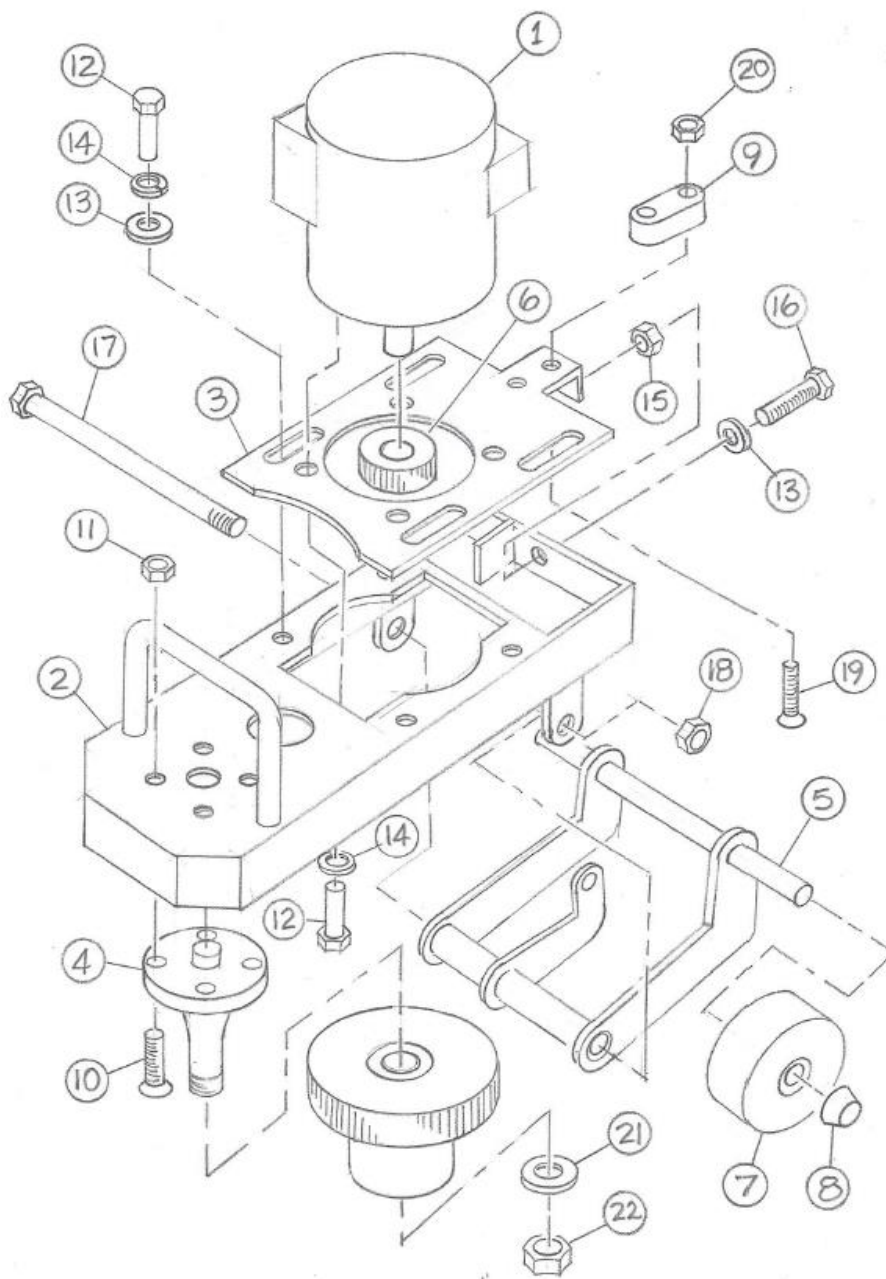
This machine is designed for surfacing concrete and sanding wood floors. All operators and maintenance personnel should read and understand the safety procedures with this floor machine.

- 1) All personnel in the immediate work area must wear safety glasses with side shields whenever the machine is in operation. Protective clothing is also recommended. Long sleeve shirts and safety shoes should be worn. Avoid wearing loose clothing.
- 2) **DO NOT** attempt to service or replace attachments while the machine is running or connected to a power source.
- 3) **DO NOT** operate this floor machine in the rain or in areas where liquids could enter the electrical components of the machine.
- 4) Keep the power cord away from the revolving heads to avoid damage.
- 5) Check main power supply to assure that you are connecting the equipment to a proper dedicated service.

Machine Maintenance

- 1) Unplug the machine.
- 2) After each use, wipe off machine with a clean cloth.
- 3) Empty the vacuum you are using in accordance with specific manufacturer's safety & operation instructions.
- 4) Check for loose parts and fasteners.
- 5) Check the power cord for any breaks in the wire. Breaks will most likely occur near the plug or switch. Repair or replace any breaks immediately.

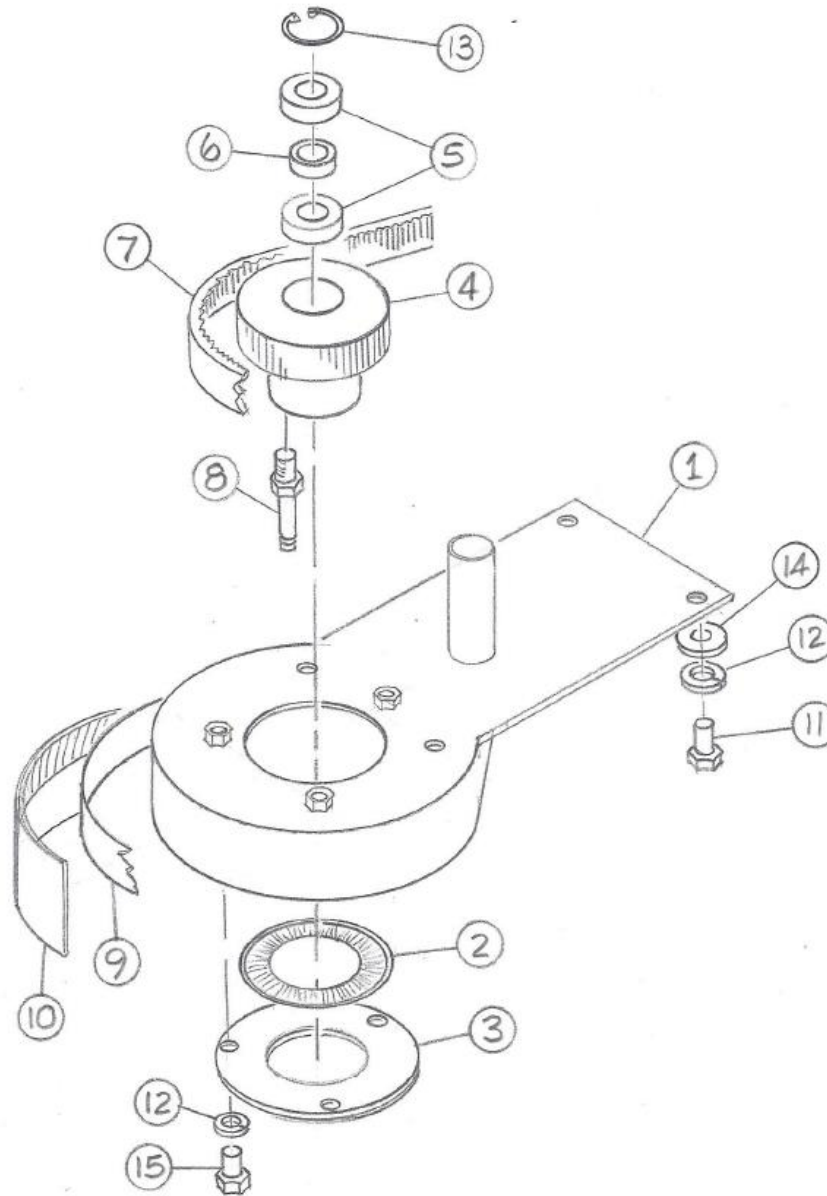
OF9-SL Frame Drawing & Parts List



ITEM	DESCRIPTION	QTY	PART NO.
1	MOTOR, 1.5 HP, 1740 RPM, 115 VOLT	1	288292
2	FRAME WELDMENT	1	607797
3	MOTOR MOUNT PLATE	1	608254
4	SHAFT, PULLEY	1	611077
5	WHEEL MOUNTING BRACKET	1	607967
6	PULLEY, DRIVING	1	608378
7	WHEEL	2	490093
8	HUBCAP	2	490881
9	LEVEL	1	288918
10	SCREW, FLAT HD, 5/16-18 X 1	4	612278
11	NUT, 5/16-18 NYLOK	4	380792

ITEM	DESCRIPTION	QTY	PART NO.
12	BOLT, HEX 3/8-16 X 1	8	612286
13	WASHER, FLAT, 3/8	5	603880
14	WASHER, SPLIT LOCK 3/8	8	368849
15	NUT, 3/8-16	1	612359
16	BOLT, HEX 3/8-16 X 3 FULL THRD	1	612294
17	BOLT, HEX, 1/2-13 X 8	1	612316
18	NUT, 1/2 - 13 NYLOK	1	297429
19	SCREW, FLAT HD #8-32 X 1	2	612251
20	NUT, #8-32 NYLOK	2	385158
21	WASHER, FLAT, 16 MM	1	490636
22	NUT, 5/8-11 NYLOK	1	490628

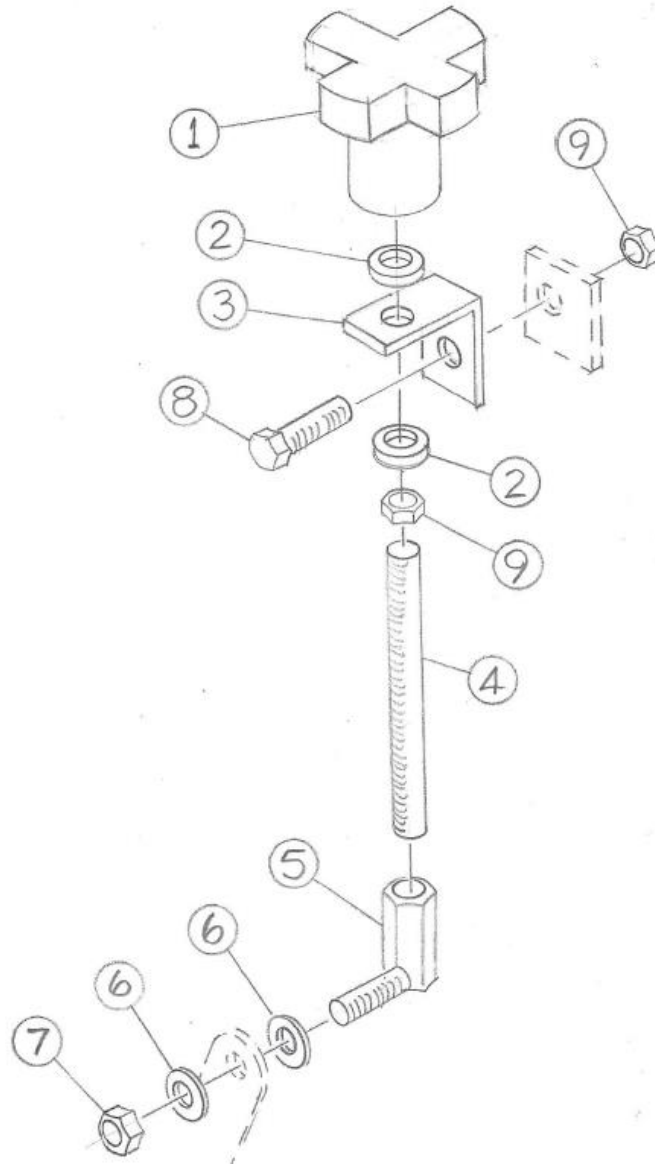
OF9-SL Dust Cover Drawing & Parts List



ITEM	DESCRIPTION	QTY	PART NO.
1	DUST COVER ASSY	1	607886
2	BRUSH SEAL	1	297747
3	SEAL RETAINER PLATE	1	611069
4	PULLEY, FINAL DRIVE	1	608394
5	BEARING, 6204	2	297623
6	SPACER, 6204	1	612049
7	BELT, TIMING 840-8MGT-20	1	608408
8	PIN, ACCESSORY	4	490458

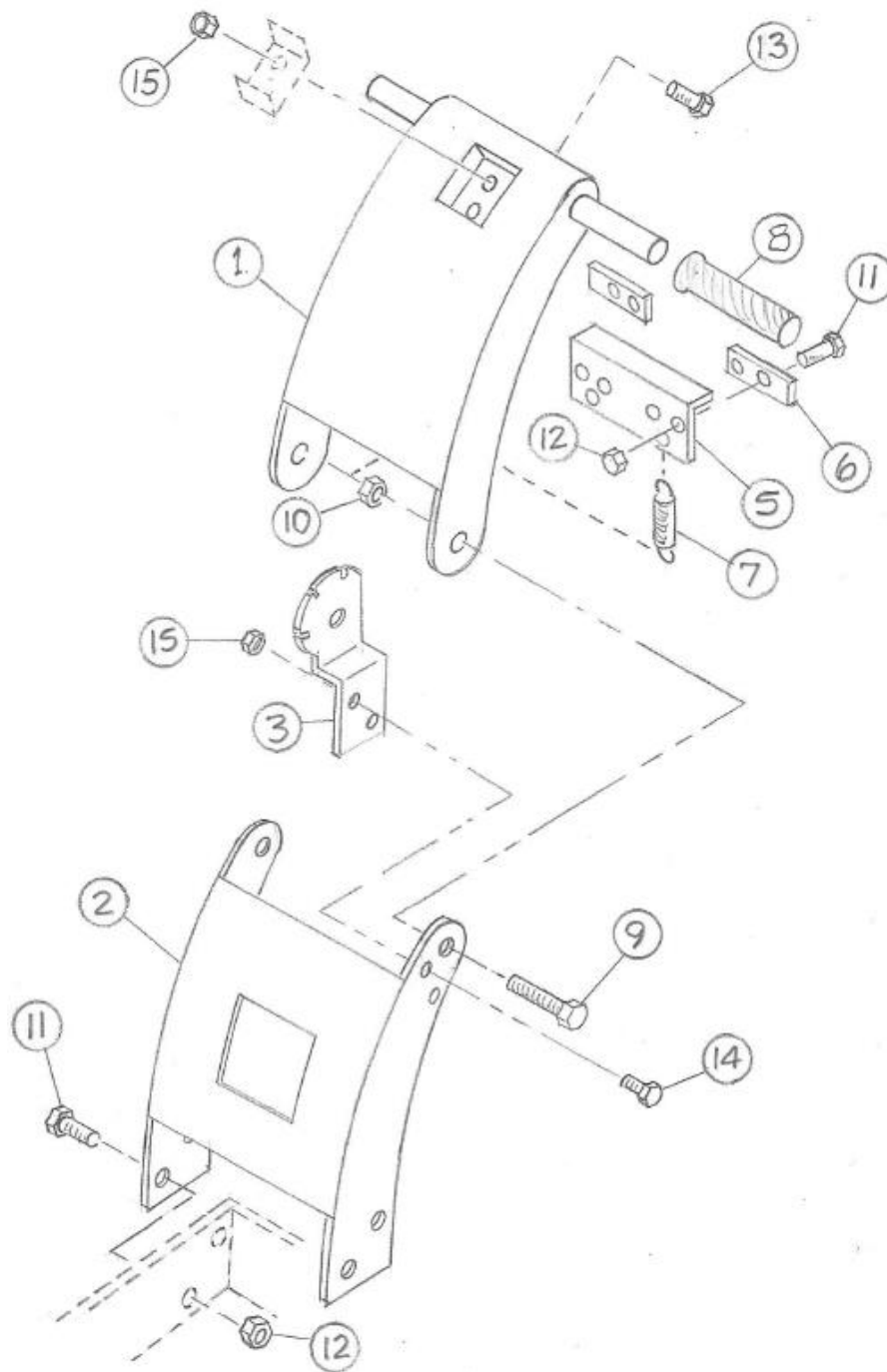
ITEM	DESCRIPTION	QTY	PART NO.
9	HOOK & LOOP, MALE	1	608351
10	SKIRT, DUST, SINGLR DISC	1	608203
11	BOLT, HEX, 5/16-18 X .75	4	612324
12	WASHER, SPLIT LOCK, 5-16	7	316113
13	RING, RETAINING	1	611514
14	WASHER, FLAT, 5/16	4	327433
15	BOLT, HEX 5-16-18 X .50	3	612332

OF9-SL Adjustment Knob Drawing & Parts List



ITEM	DESCRIPTION	QTY	PART NO.
1	KNOB	1	608335
2	WASHER, BRONZE	2	608327
3	ANGLE BRACKET	1	608300
4	ROD, THREADED 3/8-16	1	608319
5	ROD END WELDMENT	1	608122
6	WASHER, FLAT 3/8	2	603880
7	NUT, 3/8-16 NYLOK JAM	1	608443
8	BOLT, HEX 3/8-16 X 1	1	368830
9	NUT, 3/8-16 NYLOCK	2	480789

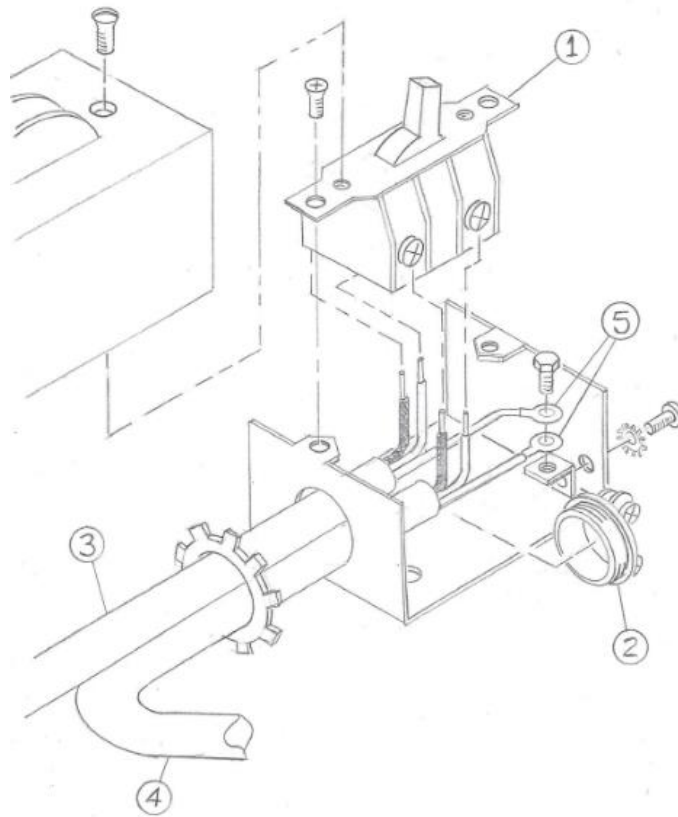
OF9-SL Handle Drawing & Parts List



ITEM	DESCRIPTION	QTY	PART NO.
1	UPPER HANDLE WELDMENT	1	608025
2	LOWER HANDLE WELDMENT	1	608092
3	BRACKET, STRIKER LH	1	611026
4	BRACKET, STRIKER RH (NOT SHOWN)	1	611018
5	PLATE, LATCH	1	608270
6	BAR, LATCH	2	610992
7	SPRING	2	611034
8	GRIP	2	490180

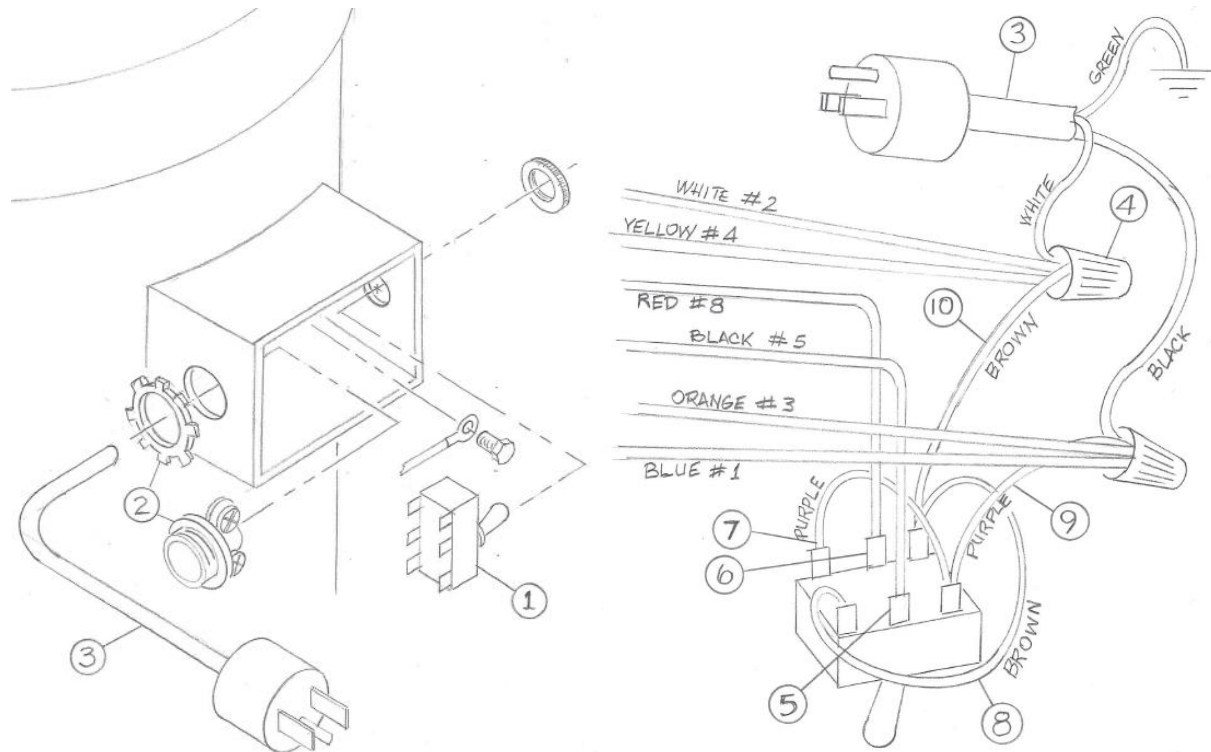
ITEM	DESCRIPTION	QTY	PART NO.
9	BOLT, HEX 3/8-16 X 2.5 FULL THREAD	2	612308
10	NUT, 38-16 NYLOK	2	612359
11	BOLT, HEX, 5/16-18 X .75	8	612324
12	NUT, 5/16-18 NYLOK	2	380792
13	BOLT, HEX, 5/16-18 X .50	2	299618
14	BOLT, HEX, 1/4-20 X .75	4	612340
15	NUT, 1/4-20 NYLOCK	6	380784

OF9-SL Switch Box Drawing & Parts List



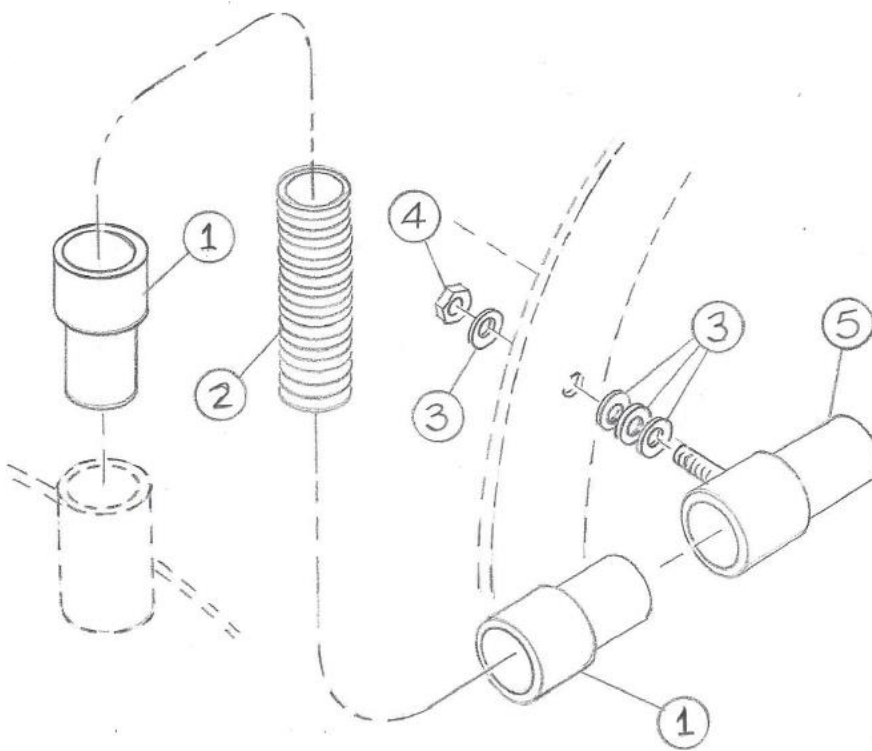
ITEM	DESCRIPTION	QTY	PART NO.
1	SWITCH, BOX ASSY	1	286575
2	WIRE CLAMP 3/4	1	497754
3	POWER CORD 30'	1	491160
4	MOTOR CORD W/FEMALE PLUG	1	490229
5	TERMINAL, RING	2	612367

OF9-SL Motor Wiring Drawing & Parts List



ITEM	DESCRIPTION	QTY	PART NO.
1	SWITCH, DPDT	1	612065
2	WIRE CLAMP 3/4	1	497754
3	PIGTAIL, MALE	1	495786
4	WIRE NUT	2	350648
5	TERMINAL, QD 18 GA	1	612081
6	TERMINAQL, QD 14 GA	1	612073
7	WIRE ASSY, VIOLET JUMPER	1	612146
8	WIRE ASSY, BROWN JUMPER	1	612154
9	WIRE ASSY, VIOLET	1	612162
10	WIRE ASSY, BROWN	1	612170

OF9-SL Vacuum Hose Drawing & Parts List



ITEM	DESCRIPTION	QTY	PART NO.
1	CUFF, VAC HOSE, 1.5"	2	465976
2	HOSE 2', VACUUM, WITH 1.5" CUFFS	1	612375
3	WASHER, FLAT 3.8	4	603880
4	NUT, 3/8 - 16 NYLOCK	1	480789
5	VAC TUBE WELDMENT	1	608157

Troubleshooting Guide

Problem: Motor will not run

- 1) **Possible Cause:** Power cord is not plugged in properly or damaged.
Possible Solution: Plug in power cord properly or replace power cord if damaged.
- 2) **Possible Cause:** Blown fuse or tripped circuit breaker at the wall panel.
Possible Solution: Replace fuse or reset circuit breaker. If this does not correct the problem have the machine checked by a qualified technician or an authorized dealer.
- 3) **Possible Cause:** Defective power cord or wiring.
Possible Solution: Check and replace if defective.
- 4) **Possible Cause:** Defective Switch
Possible Solution: Check Switch, replace if defective.
- 5) **Possible Cause:** Defective motor.
Possible Solution: Have motor checked by an authorized service center.

Problem: Machine bogs down and runs slow

- 1) **Possible Cause:** Too much weight used.
Possible Solution: Remove weights and try machine. If machine functions, add weights one at a time.
- 2) **Possible Cause:** Defective capacitor or switch
Possible Solution: Have machine checked out by an authorized dealer.
- 3) **Possible Cause:** Circuit may be overloaded with more than one appliance.
Possible Solution: Plug floor machine into a dedicated power outlet. If the problem still exists there could be a short. Have machine checked out by an authorized dealer.
- 4) **Possible Cause:** Low line voltage in building.
Possible Solution: If wiring is old in the building have voltage checked by the power company.

Problem: Motor runs, driver will not rotate.

- 1) **Possible Cause:** Belt is broken.
Possible Solution: Replace Belt

Problem: Noisy machine or vibration

- 1) **Possible Cause:** Attachment is not level or securely attached.
Possible Solution: Level attachment and make sure all fasteners are secure.
- 2) **Possible Cause:** Defective motor.
Possible Solution: Contact the manufacturer or authorized service center.

Warranty Information

We guarantee to the original purchaser this floor machine against defects in material and workmanship for a period of 1 year from the date of delivery. Please note the following conditions pertaining to this warranty.

- 1) This warranty does not apply to any repair arising by reason of misuse, neglect, or abuse, or to proprietary parts.
- 2) Applies only to the original owner and is not transferable.
- 3) Machine will not have been dismantled or tampered with in any way.
- 4) Covered components proven defective will be repaired or replaced at no charge. Covered components include motors, bearings, belts and switches.
- 5) This Warranty is in lieu of and excludes every condition or warranty not herein expressly set out and all liability for any form of consequential loss or damage is hereby expressly excluded.
- 6) This Warranty is limited to repair or replacement of covered components and reasonable labor expenses.