

See Warranty on page 4 for important information about commercial use of this product.

## Operating Instructions

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage! Retain instructions for future reference.



# Sanders

## Description

Sanders are air tools designed for automotive applications on both flat and contour surfaces.

## Unpacking

When unpacking this product, carefully inspect for any damage that may have occurred during transit.

## General Safety Information

### CALIFORNIA PROPOSITION 65

#### **DANGER**

You can create dust when you cut, sand, drill or grind materials such as wood, paint, metal, concrete, cement, or other masonry. This dust often contains chemicals known to cause cancer, birth defects, or other reproductive harm. Wear protective gear.



This manual contains information that is very important to know and understand. This information is provided for SAFETY and to PREVENT EQUIPMENT PROBLEMS. To help recognize this information, observe the following symbols.

#### **DANGER**

Danger indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

#### **WARNING**

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

#### **CAUTION**

Caution indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

#### **NOTICE**

Notice indicates important information, that if not followed, may cause damage to equipment.

This product is a part of a high pressure system and the following safety precautions must be followed at all times along with any other existing safety rules.

1. Read all manuals included with this product carefully. Be thoroughly familiar with the controls and the proper use of the equipment.
2. Only persons well acquainted with these rules of safe operation should be allowed to use the air tool.



#### **CAUTION**

Do not exceed the maximum operating pressure of the air tool (90 PSI). This can reduce the life of the tool.



3. Do not exceed any pressure rating of any component in the system. Maximum operating pressure of 90 PSI is measured at the tool inlet while the tool is running. The pressure drop between the compressor and tool needs to be compensated for at the compressor.
4. Disconnect the air tool from air supply before changing tools or attachments, servicing and during non-operation.

#### **WARNING**

Safety glasses and ear protection must be worn during operation.



5. Do not wear loose fitting clothing, scarves, or neck ties in work area. Loose clothing may become caught in moving parts and result in serious personal injury.
6. Do not wear jewelry when operating any tool. Jewelry may become caught in moving parts and result in serious personal injury.
7. Do not depress trigger when connecting the air supply hose.

8. Always use attachments designed for use with air powered tools. Do not use damaged or worn attachments.
9. Never trigger the tool when not applied to a work object. Attachments must be securely attached. Loose attachments can cause serious injury.
10. Protect air lines from damage or puncture.
11. Never point an air tool at oneself or any other person. Serious injury could occur.
12. Check air hoses for weak or worn conditions before each use. Make sure all connections are secure.

#### **WARNING**

Release all pressure from the system before attempting to install, service, relocate or perform any maintenance.



13. Keep all nuts, bolts and screws tight and ensure equipment is in safe working condition.
14. Do not put hands near or under moving parts.
15. Always secure workpiece in a vise or clamp.



#### **WARNING**

Do not misuse this product. Excessive exposure to vibration, work in awkward positions, and repetitive work motions can cause injury to hands and arms. Stop using any tool if discomfort, numbness, tingling, or pain occur, and consult a physician.

## Operation

### LUBRICATION

Proper lubrication is the owner's responsibility. Failure to lubricate the air tool properly will dramatically shorten the life of the tool and will void the warranty.

REMINDER: Keep your dated proof of purchase for warranty purposes! Attach it to this manual or file it for safekeeping.

## Operation (Cont.)

**CAUTION** This air tool requires lubrication before the initial use and before and after each additional use.

Air tools require lubrication throughout the life of the tool. Follow the outlined procedures carefully. Campbell Hausfeld air tool oil (ST127000AV) is recommended because this oil cleans, lubricates and inhibits rust all in one step.

### AIR MOTOR LUBRICATION

The air motor must be lubricated daily. An air motor cannot be oiled too often.

**WARNING** Disconnect the air tool from the air supply before lubricating.

1. Disconnect the tool from the air supply.
2. Turn the air tool upside down.
3. Simultaneously (at the same time), pull the trigger and pour a teaspoon of Campbell Hausfeld oil in the air inlet.

**WARNING** After an air tool has been lubricated, oil will discharge through the exhaust port during the first few seconds of operation. Thus, the exhaust port must be covered with a towel before applying air pressure. Failure to cover the exhaust port can result in serious injury.

4. Release the trigger and connect the air tool to the air supply. Cover the exhaust port with a towel then run the air tool for 7 to 10 seconds. Oil will discharge from the exhaust port when air pressure is applied. Continue to run the sander until no oil is discharged. Wipe all residual oil from the tool before use.

### SPEED ADJUSTMENT

This sander is equipped with a regulator for speed adjustment (See Replacement Parts List for Specifications).

### ATTACHING SANDING PAD/DUAL ACTION SANDERS

Adhesive backed discs are recommended. To apply the sandpaper, align outside edge and press self adhesive paper onto the pad. Change sandpaper as needed.

**WARNING** Disconnect the air tool from the air

supply before attaching the sanding pad. Do not operate the sander if sanding pad is not securely tightened. Always replace a worn or damaged pad. Serious injury could occur.

1. Lock the drive spindle in place before attaching the sanding pad. Rotate the spindle lock until the spindle lock engages with the drive spindle and hand-tighten the sanding pad in a clockwise direction (See Figure 1).

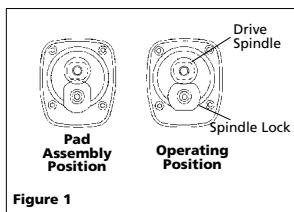


Figure 1

2. Unlock the spindle before applying air pressure.

**NOTE:** The spindle lock is for attaching and removing the sanding pad only! Do not operate the tool with the spindle locked or the sander will stall when pressure is applied to the pad.

### ATTACHING SANDING DISCS/HIGH SPEED SANDERS

3" or 6" resin discs with non-adhesive backs are recommended. The discs should have 7/8" diameter cutout centers for proper attachment. For best support When using discs larger than 3", use all the backup pads of equal size or smaller than the resin disc itself (See Fig. 2). To install the resin disc, follow the outlined procedures.

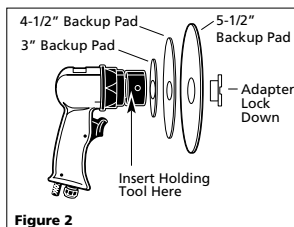


Figure 2

**WARNING** Disconnect the air tool from the air supply before attaching the sanding disc. Do not operate the sander if

sanding disc is not securely tightened or serious injury could occur.

1. Assemble the backup pads as shown in Figure 2. Make sure the recessed center of the pads face the sander.
2. Place the resin disc in front of the appropriate size pad and push the adapter lock down through the center of the pad and disc.
3. Hand tighten the adapter lockdown, then insert the holding tool into the hole shown in Figure 2. Insert a large screwdriver into the slotted hole on the adapter lock down and securely tighten.

### SANDING/DUAL ACTION SANDERS

Begin sanding with an abrasive grit coarse enough to remove the high spots and any excessive roughness. Follow with a second sandpaper using a grit one to two ranges finer. Continue with successively finer grits until the desired finish is obtained. Do not change from a coarse grit to a very fine grit in one step. In doing so, it is difficult to remove swirl marks that might have been made by the coarse grit abrasive. Always use the finest grit practical for the sanding operation.

### GRINDING/HIGH SPEED SANDERS

The coarse resin disc is used for removing or smoothing over welds or blending uneven metal surfaces. The most common grit is 36 (Campbell Hausfeld MP3264 discs).

**WARNING** Worn or damaged sanding discs may break apart causing serious injury. Always replace discs as needed.

### AIR HOSE

Refer to IN170102 Air Hose Hookup Installation sheet for hookup specifications.

**NOTE:** It is not recommended to install a quick coupler between the sander and the leader (whip) hose.

**WARNING** Use of a whip hose prevents accidental triggering of the tool when pressurized air is connected to the system.

In addition, the tool's vibration wears out quick couplers prematurely.

## Operation (Cont.)

Using fittings or air hoses which are too small can create a pressure drop and reduce the power of the tool. A 3/8" (I.D.) fitting with 1/4" NPT threads is recommended. Most compressors are shipped with a short, 1/4" I.D. hose. For proper performance and more convenience, use a 3/8" I.D. hose. Hoses longer than 50 feet should have a 1/2" I.D.

**⚠WARNING** *Never carry a tool by the hose or pull the hose to move the tool or a compressor. Keep hoses away from heat, oil and sharp edges. Replace any hose that is damaged, weak or worn.*

## Maintenance

### STORAGE

The air tool must be lubricated before storing. Follow the air motor lubrication instructions with an

exception to step 4. Run the sander for only 2 to 3 seconds so more oil will remain in the air tool when storing.

### Technical Service

For information regarding the operation or repair of this product, please call 1-800-543-6400. If you are calling from Ohio or outside the continental United States, please call 1-513-367-1182.

## Troubleshooting Chart

Symptom	Possible Cause(s)	Corrective Action
Tool runs slowly or will not operate.	1. Grit or gum in tool	1. Flush the tool with Campbell Hausfeld air tool oil, gum solvent, or an equal mixture of SAE 10 motor oil and kerosene. If Campbell Hausfeld oil is not used, lubricate the tool after cleaning
	2. No oil in tool	2. Lubricate the tool according to the lubrication instructions in this manual
	3. Low air pressure	3a. Adjust the regulator on the tool to the maximum setting (if applicable) 3b. Adjust the compressor regulator to tool maximum while the tool is running free
	4. Air hose leaks	4. Tighten and seal hose fittings if leaks are found
	5. Pressure drops	5a. Be sure the hose is the proper size. Long hoses or tools using large volumes of air may require a hose with an I.D. of 1/2" or larger depending on the total length of the hose 5b. Do not use multiple number of hoses connected together with quick connect fittings. This causes additional pressure drops and reduces the tool power. Directly connect the hoses together
	6. Regulator set too low	6. Adjust regulator until tool reaches maximum speed
Moisture blowing out of tool	1. Water in tank	1. Drain tank. (See air compressor manual). Oil tool and run until no water is evident. Oil tool again and run 1-2 seconds
	2. Water in the air lines/hoses	2a. Install a water separator/filter (PA2121). NOTE: Separators only work properly when the air passing through the separator is cool. Locate the separator/filter as far as possible from the compressor 2b. Install an air dryer 2c. Anytime water enters the tool, the tool should be oiled immediately
Sander stops when applied to work surface	Spindle lock is in the locked position	Unlock spindle (See Figure 1)

### **Limited Warranty**

1. **DURATION:** From the date of purchase by the original purchaser as follows: Standard Duty Products - One Year, Serious Duty Products - Two Years, Extreme Duty Products - Three Years.
2. **WHO GIVES THIS WARRANTY (WARRANTOR):** Campbell Hausfeld / Scott Fetzer Company, 100 Production Drive, Harrison, Ohio, 45030, Telephone: (800) 543-6400
3. **WHO RECEIVES THIS WARRANTY (PURCHASER):** The original purchaser (other than for purposes of resale) of the Campbell Hausfeld product.
4. **WHAT PRODUCTS ARE COVERED BY THIS WARRANTY:** Any Campbell Hausfeld nailer, stapler, air tool, spray gun, inflator or air accessory supplied or manufactured by Warrantor.
5. **WHAT IS COVERED UNDER THIS WARRANTY:** Substantial defects in material and workmanship which occur within the duration of the warranty period.
6. **WHAT IS NOT COVERED UNDER THIS WARRANTY:**
  - A. Implied warranties, including those of merchantability and FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED FROM THE DATE OF ORIGINAL PURCHASE AS STATED IN THE DURATION. If this product is used for commercial, industrial or rental purposes, the warranty will apply for ninety (90) days from the date of purchase. Some States do not allow limitation on how long an implied warranty lasts, so the above limitations may not apply to you.
  - B. ANY INCIDENTAL, INDIRECT, OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM ANY DEFECT, FAILURE, OR MALFUNCTION OF THE CAMPBELL HAUSFELD PRODUCT. Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.
  - C. Any failure that results from an accident, purchaser's abuse, neglect or failure to operate products in accordance with instructions provided in the owner's manual(s) supplied with product. Accident, purchaser's abuse, neglect or failure to operate products in accordance with instructions shall also include the removal or alteration of any safety devices. If such safety devices are removed or altered, this warranty is void.
  - D. Normal adjustments which are explained in the owner's manual(s) provided with the product.
  - E. Items or service that are normally required to maintain the product, i.e. o-rings, springs, bumpers, debris shields, driver blades, fuses, batteries, gaskets, packings or seals, fluid nozzles, needles, sandblast nozzles, lubricants, material hoses, filter elements, motor vanes, abrasives, blades, cut-off wheels, chisels, chisel retainers, cutters, collets, chucks, rivet jaws, screw driver bits, sanding pads, back-up pads, impact mechanism, or any other expendable part not specifically listed. These items will only be covered for ninety (90) days from date of original purchase. Underlined items are warranted for defects in material and workmanship only.
7. **RESPONSIBILITIES OF WARRANTOR UNDER THIS WARRANTY:** Repair or replace, at Warrantor's option, products or components which are defective, have malfunctioned and/or failed to conform within duration of the warranty period.
8. **RESPONSIBILITIES OF PURCHASER UNDER THIS WARRANTY:**
  - A. Provide dated proof of purchase and maintenance records.
  - B. Deliver or ship the Campbell Hausfeld product or component to the nearest Campbell Hausfeld Authorized Service Center. Freight costs, if any, must be borne by the purchaser.
  - C. Use reasonable care in the operation and maintenance of the products as described in the owner's manual(s).
9. **WHEN WARRANTOR WILL PERFORM REPAIR OR REPLACEMENT UNDER THIS WARRANTY:** Repair or replacement will be scheduled and serviced according to the normal work flow at the servicing location, and depending on the availability of replacement parts.

This Limited Warranty applies in the United States, Canada and Mexico only and gives you specific legal rights. You may also have other rights which vary from state to state or country to country.