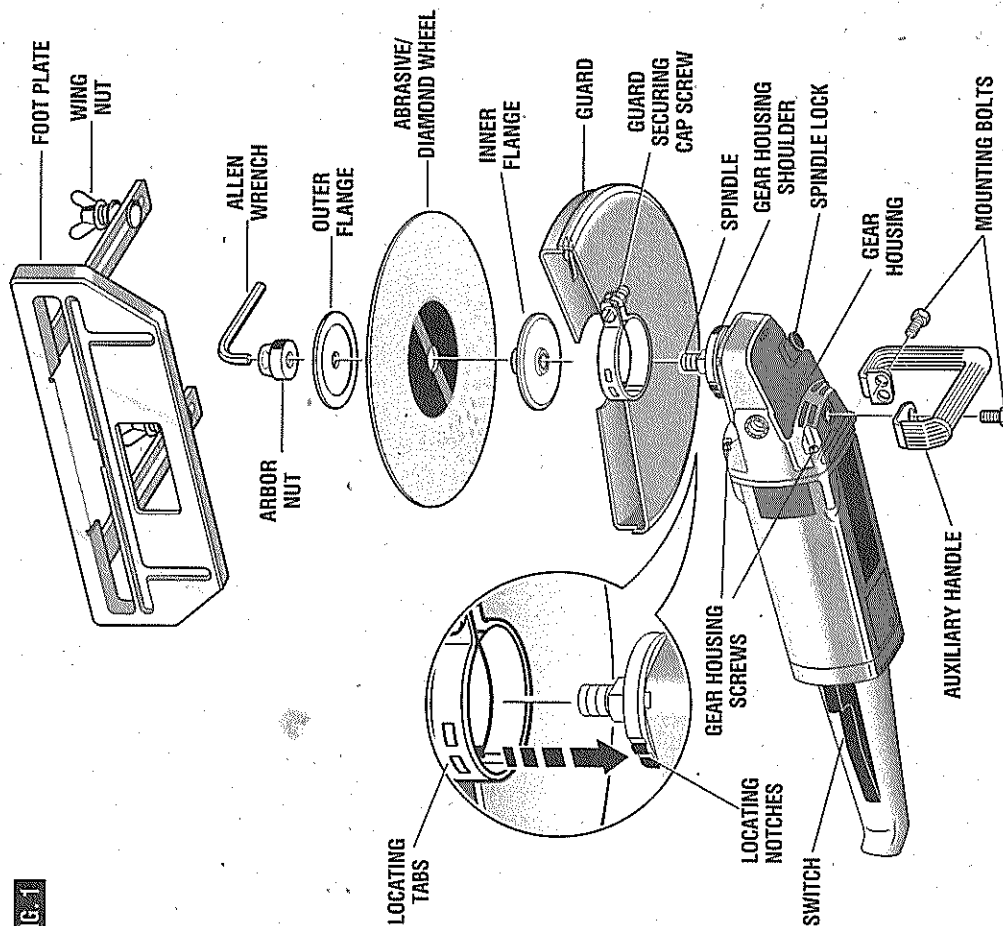


Functional Description and Specifications

WARNING Disconnect the plug from the power source before making any assembly, adjustments or changing accessories. Such preventive safety measures reduce the risk of starting the tool accidentally.

Abrasive Cut-Off Machine

FIG. 1



Model No.	1364	1365
Maximum capacities:		
Bonded reinforced abrasive wheels Type 1A (ISO 41) / Dry Diamond Wheels - segmented or rimmed Type 1A (ISO 41)	12"	14"
Max. Wheel thickness	5/32"	5/32"
Max. Cutting Depth	3-7/8"	4-7/8"
Arbor	7/8"	7/8" & 1"
No load RPM	5,000	4,300

NOTE: For tool specifications refer to the nameplate on your tool.

Assembly

WARNING To prevent serious personal injury, always disconnect the plug from power source before changing wheels, or making any adjustments.

INSTALLING ABRASIVE OR DIAMOND WHEELS

Always use the arbor nut that has same thread size as spindle.

1. Install inner flange onto spindle, with recess in back side of flange engaging matching area on spindle.

2. Install abrasive wheel onto spindle.
3. Install outer flange with flat side out.
4. Thread arbor nut provided onto spindle finger tight, depress spindle lock and tighten wheel with the wrench provided.

WARNING Do not overtighten. Cracks in the resin bonded wheel can occur if overtightened.

CAUTION Do not depress spindle lock while the tool is running.

Operating Instructions

WARNING Always use wheel guard, foot plate and auxiliary handle with this abrasive cut off machine.

PADDLE SWITCH WITH "LOCK-OFF" FEATURE

The Paddle Switch enables the operator to control switch functions of "Lock-Off", and "ON/OFF".

TO UNLOCK SWITCH AND TURN TOOL "ON": Push the paddle lever FORWARD (toward the spindle) then squeeze the paddle lever.

TO SWITCH TOOL "OFF": Release pressure on the paddle lever. The switch is spring loaded and will return to "OFF" position automatically.

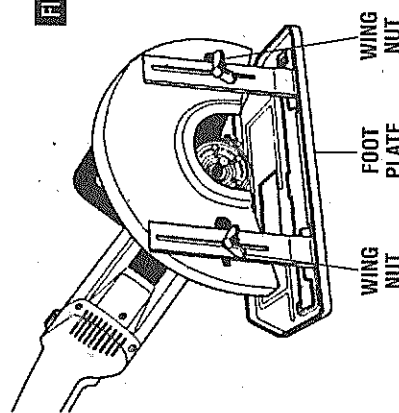
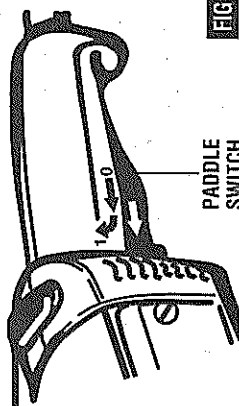
SIDE HANDLE

The side handle, used to guide and balance the tool can be bolted to either side of the spindle housing depending on personal preference and comfort. Always use the side handle for maximum control and ease of operation.

ADJUSTING DEPTH OF CUT

Loosen wing nuts, raise or lower foot plate to desired depth, and securely tighten wing nuts by hand.

WARNING To prevent kickback and damage to the tool, always adjust the foot plate to a depth that the inner or outer flanges never contacts the workpiece surface.



OPERATING THE TOOL

Following a few simple tips will reduce wear on the tool and it will reduce the chance of injury to the operator.

APPLICATIONS

This tool is intended for cutting the following materials.

- 1/8" maximum thick sheet steel.
- Concrete cinder blocks and bricks.
- Reinforcing rod-generally under 3/4" diameter.
- 1/8" concrete wire mesh.
- Corrugated floor and ceiling forms (concrete forms).
- Electrical conduit 1/8" wall thickness.
- 1/8" maximum thick structural forms such as: channels, angles, plate and etc.

ABRASIVE WHEELS

- Use aluminum oxide wheels for cutting metal.
- Use silicon carbide wheels for cutting masonry.
- Use dry diamond wheels for cutting concrete.
- Dry diamond wheel stay cooler, clogs less and last longer.

1 Before running a cut-off machine, inspect the cutting wheel for chips or cracks. Replace bad wheels immediately. New wheels should be run in at no load for at least a minute in direction away from the presence of other people. Imperfect wheels will normally break apart during this time.

2. An abrasive cut-off machine must NEVER be operated without the attached guard secured in place. The guard should be rotated into the position where maximum protection is provided for the operator from sparks and wheel periphery.

3. Proper apparel for operating the tool includes eye protection, leather gloves, dust mask and a shop apron.

4. With the tool in the "OFF" position, become familiar with handling the tool. Control the head of the tool with the side handle. Control the cutting edge of the wheel with the switch handle. Always use both hands when operating the tool.

5. Never drop the tool. Set the tool down gently, but never on the wheel.

6. CUTTING CONCRETE will throw large amounts of dust into the surrounding area.

Respiratory protection with minimum N-95

dust masks or respirators are required for the operator and others in the work area.

7. Due to the size and weight of the cut-off machine it must not be used be used overhead or in any position that would not allow proper control. Ladders or scaffolding are not considered solid support structures.

8. Avoid overloading tool. Do not allow the wheel to bind or stall. Many cuts, especially into solid concrete, require successive passes. Do not expose any more abrasive wheel than necessary to cut with normal amount of pressure applied to tool. Begin cutting from the edge of the material, starting with about 1" wheel exposed. Do not force the tool; load it normally. Depending on material hardness and density, make successively deeper passes until cut is complete. **For dry diamond wheels:** Cutting masonry / concrete must be done in multiple passes, scoring the work piece only to the depth of a segment on each pass. Full depth of cut in one pass reduces the life of the body of the blade by thinning it and may allow the segment to fly away.

FIRE FORWARD/FIRE REVERSE

Models 1364 & 1365 are shipped with abrasive Cutoff Machine set up in fire forward position. Both can be easily converted to fire reverse position without any additional accessories.

Fire forward position directs sparks, dust and debris away from the operator.

Fire reverse position changes direction of rotation so sparks, dust and debris are thrown toward the operator.

The proper fire position depends on how the tool is being held, direction of travel, and personal preference. Always remember the reason for this feature is to direct sparks, dust and debris away from the operator.

FIRE REVERSE APPLICATIONS

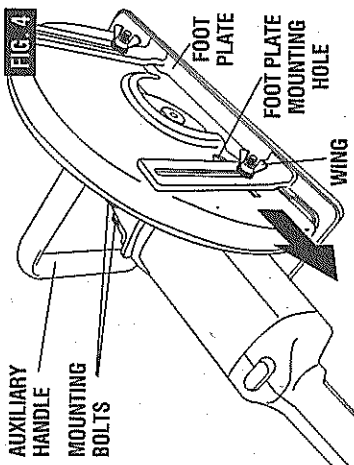
Below are a few examples of when you may want to change your tool to the reverse fire position.

- When cutting in a vertical position to direct debris toward your feet instead of your face.
- When pulling the tool through the workpiece instead of pushing the tool.
- When working in confined areas close to a wall.
- Personal comfort.

REVERSING FIRE DIRECTION

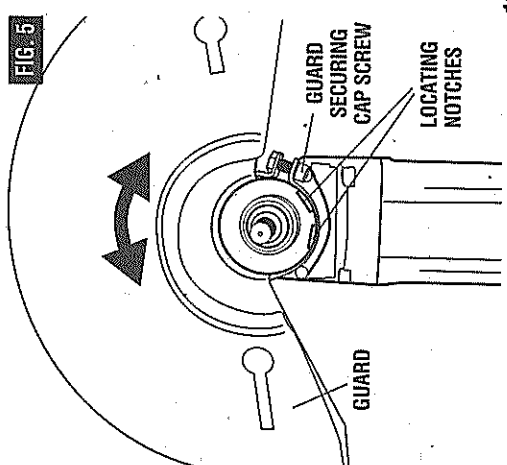
We strongly recommend having this task performed by an authorized Bosch Service center.

1. Disconnect the plug from the power source.
2. Remove abrasive or diamond wheel and flanges (Fig. 1).
3. Remove the auxiliary handle mounting bolts with 22mm open end wrench (not included). Remove auxiliary handle (Fig. 4).



4. Loosen wing nuts enough to allow screw heads to slide out of foot plate mounting holes provided in guard, and remove foot plate (Fig. 4).

5. Loosen guard securing cap screw (Fig. 5) and remove the guard in order to access the four gear housing screws. **Note:** Guard securing cap screw threads are purposely upset at the end of the screw so that it cannot be completely removed from the guard. To remove the guard rotate it to align



the two locating tabs on the guard with two locating notches on the shoulder of the gear housing (Fig. 1 and Fig. 5).

6. Remove the four gear housing screws and rotate gear housing 180° (so that spindle is perpendicular to the position of the switch). Replace housing screws and securely tighten screws (Fig. 6).

7. Replace the guard by aligning locating tabs and notches (Fig. 5). Rotate the guard for maximum protection of the operator and

