



**1435, 1436 & 1437
EZ Lift
Owners Manual**
Please Read Carefully!

Parts List:

Please identify and verify that you have all of the parts listed and shown in the photos:

| Part | Description | Quantity |
|------|-------------------------------------|----------|
| 1435 | EZ Lift for 3-1/2" motors. | 1 |
| Or | | |
| 1436 | EZ Lift for Porter Cable 7518. | 1 |
| Or | | |
| 1437 | EZ Lift for Milwaukee 5625. | 1 |

In addition to ONE of the EZ Lifts listed above, you should also have the parts listed below.

| Part | Description | Quantity |
|--------|--------------------------------------|----------|
| 1435HX | Crank Handle. | 1 |
| 1435S | 1/2" deep socket w/1/4" drive. | 1 |
| 1435D | Height Indicator. | 1 |
| 140B | Blank Insert. | 1 |
| 140D | 1-3/16" Insert. | 1 |
| 140E | 2" Insert. | 1 |
| 101A | Starting Pin. | 1 |
| 140R | O-Ring, pre-installed in plate. | 1 |

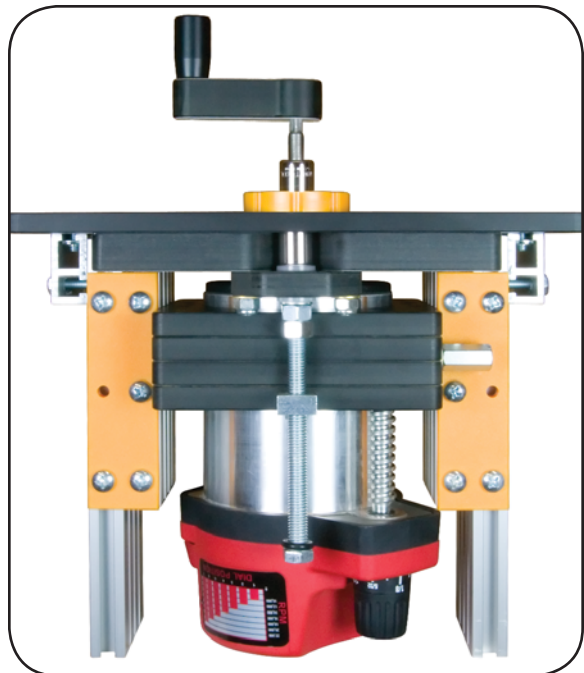


BEFORE BEGINNING

Identify and verify that you have all the parts listed. Read the owners manual at least once, familiarizing yourself with the EZ Lift before using.

The 1435, 1436 & 1437 EZ Lift is designed for tables with a 9-1/4" x 11-3/4" plate opening. It is guaranteed square to the plate to within 1/4° and has 3-3/8" of fine adjustment, plus the coarse adjustment of your router motor. There is no assembly needed, just remove your router motor from its' existing base and install it in the motor block of the EZ Lift (see instructions). The EZ Lift will only fit the routers listed below:

| Router Model Fits: | 1435 EZ Lift | 1436 EZ Lift | 1437 EZ Lift |
|--------------------|--------------|--------------|--------------|
| Porter Cable 7518 | No | Yes | No |
| Milwaukee 5625 | No | No | Yes |
| Porter Cable 892 | Yes | w/1436A | w/1437A |
| Porter Cable 690 | Yes | w/1436A | w/1437A |
| DeWalt 616/618 | Yes | w/1436A | w/1437A |
| Bosch 1617/1618 | Yes | w/1436A | w/1437A |



INSTALL ROUTER MOTOR

Install the socket (*1435S*) on the square drive of the crank handle (*1435HX*). Place the socket/crank handle on the nut of the motor tightening bolt and loosen it (turn counter-clockwise) 3-4 turns. *See fig. 1.*

Get your router motor and slip it into the motor block of the EZ Lift so it projects out the plate side of the motor block 3/4" to 1". You may have more than one choice as to which way to install the router motor, so select the position that places the cord and switch in the best possible position for you. The router motor can be adjusted for height in the motor block later (coarse adjustment) to better suit above-the-table bit changes, etc., but **ALWAYS** make sure the router motor is fully inserted in the motor block! *See fig. 2.*

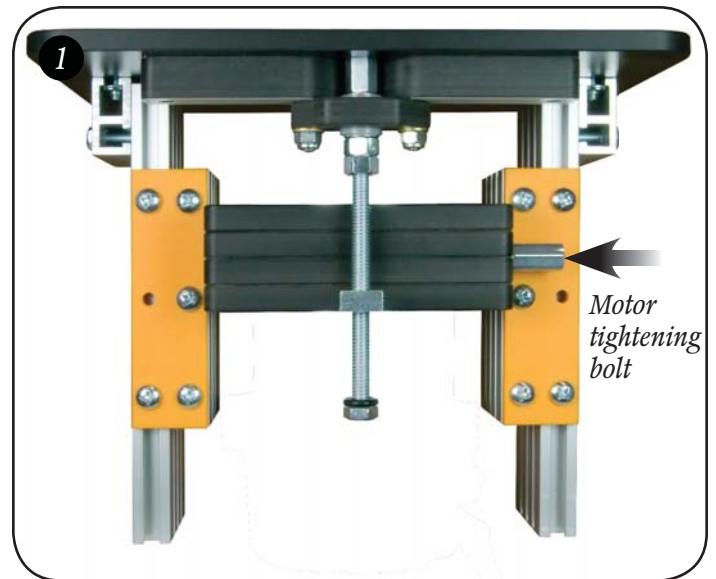
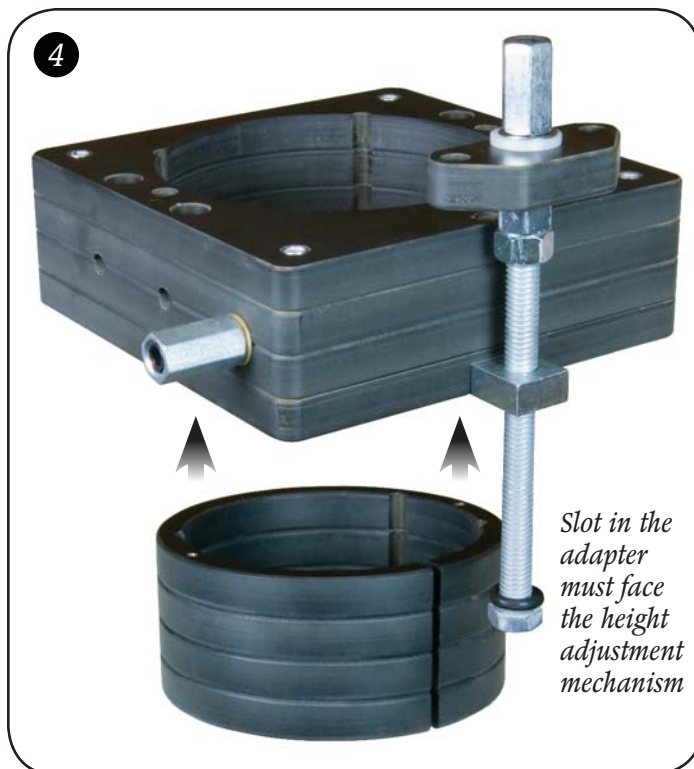
Place the socket/crank handle on the nut of the motor tightening bolt and tighten (turn clockwise) the router motor in the motor block. **DO NOT OVERTIGHTEN!** *See fig. 1.*

To remove the router, use the crank handle to loosen the motor tightening bolt 2-3 turns, then tap on the end of the nut with the socket (or a block of wood) until the router is free.

This same socket/crank handle is also used to adjust the router/bit height on the EZ Lift. Never use a power tool connected to the socket!

USING THE 1436A OR 1437A ADAPTER

If using an adapter (*1436A or 1437A*) to reduce the opening in the 1436 or 1437 EZ Lift for use with a 3-1/2" motor, make sure the slot in the adapter is facing the height adjustment mechanism of the EZ Lift before tightening. *See fig. 4.*



USING THE EZ LIFT

The EZ Lift is adjusted up or down using the socket/crank handle supplied. When making height adjustments, make sure the socket is fully inserted on the height adjustment nut. The Height Indicator (*1435D*) can be slid on to the socket and used to indicate fractions of a turn. The height indicator can be set to ride directly on, or slightly above, the router plate.

The half-holes, or notches, on the edge of the height indicator line up with the indicator hole in the router plate of the EZ Lift. Turn the height indicator on the socket to zero it out if desired. *See fig. 5.*

Each notch in the height indicator represents 1/8th of a turn (1/128" or .0078"), with 1/4 turn (1/64" or .0156"), 1/2 turn (1/32" or .0313") & 3/4 turn (3/64" or .0469") engraved on the height indicator. One full turn is equal to 1/16" or .0625". *See fig. 6.*

When adjusting the bit height, lower the bit (turn crank counter-clockwise) at least 1/4 turn past the height needed (this compensates for any backlash), then raise it (turn clockwise) to the desired setting. As with all routing, the best results are achieved by making several light cuts instead of one or two heavy cuts.

MAINTENANCE

Periodically clean the threads of the height adjustment bolt and apply a dry lubricant (Teflon spray or similar) for the smoothest operation. No other parts of the EZ Lift require any lubrication. Periodically remove any accumulated debris.

Periodically check all bolts and screws on the EZ Lift (especially after initial use) for tightness. You'll need a 7/16" wrench and a #3 Phillips screwdriver, not supplied.

Periodically check the three screws on each of the four glides, where indicated, for tightness. *See fig. 7.*

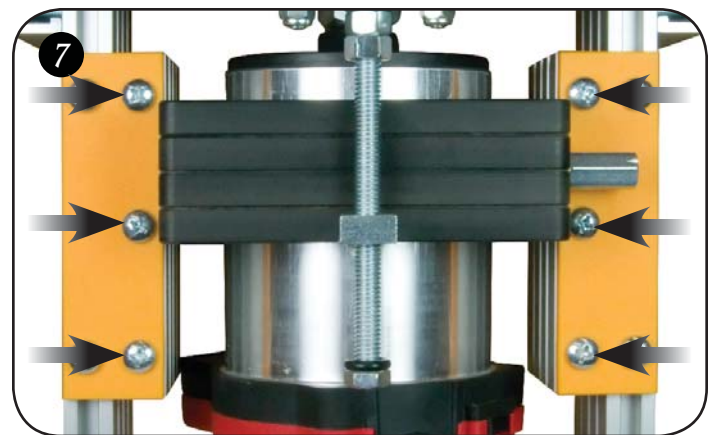
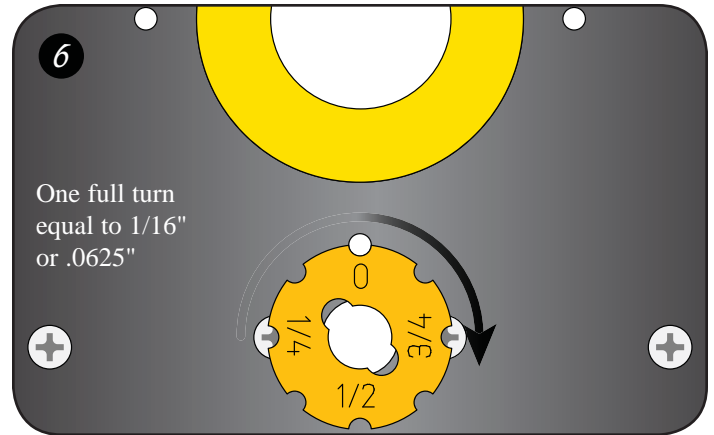
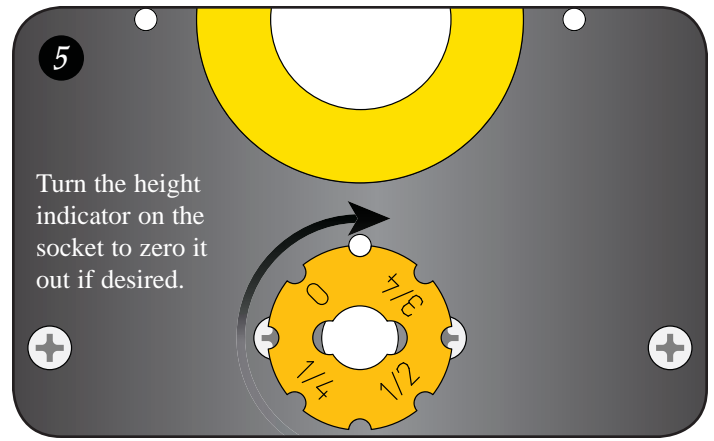
ADJUSTMENT

The two screws indicated on each of the four glides control the tension on the tighteners, which control how hard or easy the EZ Lift moves. The initial adjustment is made at our factory and, under normal circumstances, the tighteners won't need adjustment for a year or more, if ever.

If you feel the EZ Lift moves too hard (assuming it's been cleaned and there is no debris causing the problem), or too easy, these screws are where you'll adjust the tension on the tighteners. *See fig. 8.*

If you need to adjust the tighteners, first snug the screws (use a #3 Phillips screwdriver - do not overtighten or you may strip the tighteners). Then loosen the screws approximately 1/8th turn and test how well the EZ Lift moves by using the crank. Tighten or loosen the screws to adjust the tension on the tighteners according to your preference. *See fig. 8.*

TURN TO NEXT PAGE



INSERT PLATE - PATENT #5,699,844

Be sure the O-ring (**140R**) is installed completely in the groove of the router plate. We install the O-ring at our factory, but sometimes they partially work their way out during shipping. *See fig. 9.*

When installing an insert (**140B, 140D or 140E**), place the bottom of the insert (machined face), at a shallow angle, into the insert opening and then press the opposite edge of the insert in the plate, “snapping” the insert in place. Turn the insert 1/4 turn to be sure it is seated properly and will not fall out. *See fig. 10 & 11.*

To remove the insert you can A) reach underneath the plate and press up, or B) insert a flat blade screwdriver in the slot in the insert from above the plate and gently pry it out. For large bits you can remove the insert and use the plate without it, however you'll need to clean the insert opening of debris before reinstalling an insert. The 140B Blank Insert has a center mark for drilling so you can customize it to fit a bit of your choosing.

The O-ring (**140R**) is a wear item and will need to be replaced periodically. If the insert falls out, lifts out or turns without resistance, or the insert will not seat properly in the opening, replace the O-ring. Always check that the insert fits properly before using the router. **DO NOT** use the router if the insert is loose!

STARTING PIN

The starting pin (**101A**) is used with piloted type bits to aid in starting the cut in an odd or irregular shaped piece where it is impossible to use a router fence. It is a safety device and should be used in lieu of trying to start the cut freehand. If there is more than one starting pin hole in your router plate, always use the one to the right of the router bit. Our Starting Pin is made of a hard plastic, but it is designed to shear off should it encounter any extreme cutting forces. This helps to minimize any damage to the plate and also helps prevent a workpiece from become trapped between the starting pin and a bit. *See fig. 12.*

STORING THE EZ LIFT - READ ME!!!!

Long term storage of your router/EZ Lift in the table is not advisable. Prolonged hanging may cause the plate to sag, proving again that gravity works.

After use, store the router/EZ Lift in an upright position with the plate laying on a flat surface, even if you've removed your router from the EZ Lift.

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