

# LEWIS MULTI-DRILL

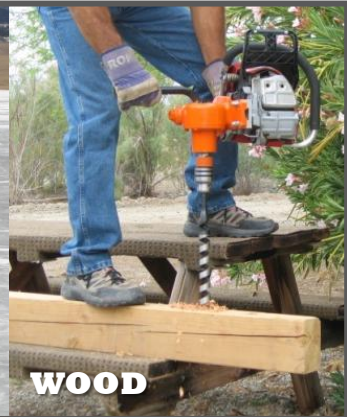
**PORTABLE GAS-POWERED DRILL**

## OWNER'S MANUAL



### ALSO CONTAINS:

LEWIS MULTI-DRILL Parts Lists  
LEWIS MULTI-DRILL Accessories  
LEWIS EARTH AUGERS  
LEWIS ICE AUGERS



**Earth, Ice and Wood**  
**the little drill that could**

**DRILL  
FITS ALL  
CHAIN  
SAWS**



- ▶ Build wood and metal fences
- ▶ Plant trees and shrubs
- ▶ Go ice fishing
- ▶ Build log cabins
- ▶ Drill boom logs
- ▶ Drill railway ties



## **Congratulations!**

You are now the proud owner of a  
**Lewis Multi-Drill DH3-W**

Whether you have the DH3-WD Direct Drive or the Universal Drive version – this **Lewis Multi-Drill Owner's Manual** deals with both models.

We welcome and very much appreciate any photos, movies and comments you care to send us in regards to your **Lewis Multi-Drill** or any other **Lewis Product**.

Also, please don't hesitate to contact us if you have any questions about the assembly or operation of your Lewis power tools and equipment.

## **Choosing the right Chainsaw**

*The size of your chainsaw is important!*

Using a chainsaw with minimum 3 horsepower (48 cc's, 18"+ bar w/ 3/8" chain) is best, because it ensures a commercial-grade clutch that although it may sometimes slip under a heavy load, the clutch will not burn up.



Maximum chainsaw size is 100cc's or 7 horsepower. Electric chainsaws and smaller gas chainsaws will give satisfactory performances with lighter loads only.

If you have purchased a model **DH3-WD Direct Drive** version, then your saw must have an accessible outboard sprocket. Most modern saws are built this way. If you have purchased a model **DH3-WU Universal Drive** version, then you can mount your **Lewis Multi-Drill** on any chainsaw.

Chainsaws must be properly maintained and serviced (see your chainsaw owner's manual or check with your local chainsaw dealer). Please ensure that your chainsaw's throttle and clutch are in proper working order – because they directly affect the safe performance of the **Lewis Multi-Drill**.

The operator assumes all risk when using an engine with more than 100cc's or 7 horse power.

## Operating Tips

**TIP #1 - Never let your **Lewis Multi-Drill** gearbox run dry!!!**



**Nearly all gear damage occurs in a DRY GEAR BOX.**

Any oil or grease is better than none at all. The gear box was filled at the factory with 10 ounces of 80/90 weight gear oil. To check oil level, turn gearbox on its side as shown in photo. Remove oil fill plug and then slightly tip gearbox towards you, oil should start to drip out if oil level is correct.

**TIP #2 - Keep all nuts and bolts tight.** Use Loctite to insure that bolts don't vibrate loose.

**TIP #3 - In case of a jam: Stop the engine.**

If the drill is jammed, you could damage your **Lewis Multi-Drill** or your chainsaw if you continue to power up the saw. Just stop the engine and free the drill or auger, then restart the engine and resume drilling. Damage is more likely to occur with larger chainsaw engines.

**TIP #4 – Noise Levels:** The sound level produced by a **Lewis Multi-Drill** is negligible. Nearly all noise and vibrations emanate from the drive engine. To determine relevant engine noise and vibration levels, see your chainsaw owner's manual. Note that in certain applications, the **Lewis Multi-Drill** may dampen the engine noise and/or vibration levels.

**TIP #5 – Be Safe!** Wear gloves, eye and ear protection and do not operate this unit while under the influence of alcohol or drugs. This **Lewis Multi-Drill Owners Manual** is general in nature. If you have any questions or concerns, please check with your local **Lewis Multi-Drill** dealer or call our factory for more information. **Do not take chances with your safety!!!**

### WARRANTY

If your LEWIS MULTI-DRILL fails to operate properly due to a manufacturing defect within 1 year of purchase, please return it freight pre-paid with a copy of your receipt. We'll refurbish your LEWIS MULTI-DRILL or supply you with a new one & ship it back to you, at no charge.

**NO QUESTIONS ASKED!**

# Assembly & Mounting Instructions

## STEP 1 for DH3-WD Direct Drive



1. Remove bar and chain from your chainsaw, retain bar-mounting nuts.

2. Remove the spring clip from your saw's output shaft, then remove the large washer and drive sprocket. Re-install spring clip but not large washer or sprocket.



3. **Assemble Direct Drive System:** In the supplied plastic tube find the correct 3/8" thick disk to fit the spline on the output shaft of your saw. Then find the 1/2" thick master disk. Line up the holes and bolt the two halves together using the supplied screws. **TIP: Use Loctite to insure screws stay**

**tight.** In some cases the supplied L906A spacer is required to lengthen the adaptor. If needed this spacer should be sandwiched between the 3/8" disk for your saw and the 1/2" master disk. Use the three longer screws.



4. Bolt supplied mounting plate onto your saw using the bar-mounting nuts that you retained.

5. Slide assembled Direct Drive onto **Lewis Multi-Drill** input shaft (3/8" master disk side fits multi-drill). Attach assembled **Multi-Drill** to mounting plate using the supplied nuts and washers. Use Loctite. Insure adaptor assembly slides over spline on saw, use saw's chain adjuster screw to insure adaptor remains in-line.



6. When the **Lewis Multi-Drill** is bolted tight to the saw, the adaptor should have approximately 1/4" of "back and forth" play. This allows everything to float properly. If you have more than 1/2" of play you may want to use the supplied spacer to insure proper contact with the splines.

**Step 2 continues on Page 5**

## **STEP 1 Alternate** **for DH3-WU Universal Drive**



**1. Remove bar and chain** from your chainsaw, retain bar-mounting nuts.

**2. Bolt supplied Universal Bar** onto your **Multi-Drill** using the supplied lock washers, flat washers and nuts.



**3. Bolt the Mini-Bar assembly** on your chainsaw using the retained bar-mounting nuts. Adjust mini-bar back using the chain adjuster if your saw is so equipped or just slide the mini-bar towards saw handle and temporarily snug bolts.

**4. Wrap supplied cutter-less chain** around the sprocket on the chainsaw and then around the sprocket on the **Multi-Drill** and fasten with supplied connecting link. Then replace side cover on chainsaw, adjust chain tension using the adjuster screw, and permanently tighten mounting bolts. If the cutter-less chain is too long, then grind off rivets to remove links as necessary.



**5. Slide supplied chain guard** over **Lewis Multi-Drill** studs and secure with 2 flat washers and nuts, as well as 1 bolt and washer on round end.

**6. Bend brace to suit** and attach with included nuts and bolts for added support. See Item 31 on Page 8.



**Step 2 continues on Page 5**

# Assembly & Mounting Instructions

## STEP 2

for DH3-WD **Direct Drive** and  
for DH3-WU **Universal Drive**



1. **Install handle:** Remove the three 3/8" bolts from the top of the **Lewis Multi-Drill**. Keep unit upright as oil will leak out. Position handle where desired and replace bolts. Use Teflon tape or liquid thread sealer to reseal the bolts.

2. Screw the supplied 1" Drive Adaptor into the output shaft of the **Lewis Multi-Drill** until threads are almost tight. Then line up the flat spots with those on the **Multi-Drill**.



3. Slide the supplied Drive Sleeve over the two flat spots and tighten set screw (use Loctite). Failure to use the Drive Sleeve may result in the Drive Adaptor threads becoming extremely tight and difficult to remove.

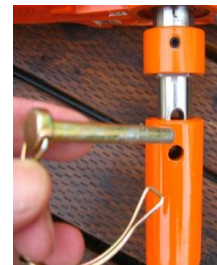


*You are now ready to attach your auger or drill and get to work or go play!*

## Step 3

Attach your auger to the **Lewis Multi-Drill**

All **Lewis Augers** come with a "no tools required" swivel pin that is easy to install or remove even with gloves on. Simply pop the retainer spring off the end of the retainer pin and remove from auger, line the pin hole of the **Lewis Multi-Drill** with the one in the auger, then replace the retainer pin and stretch the retainer spring back into place..

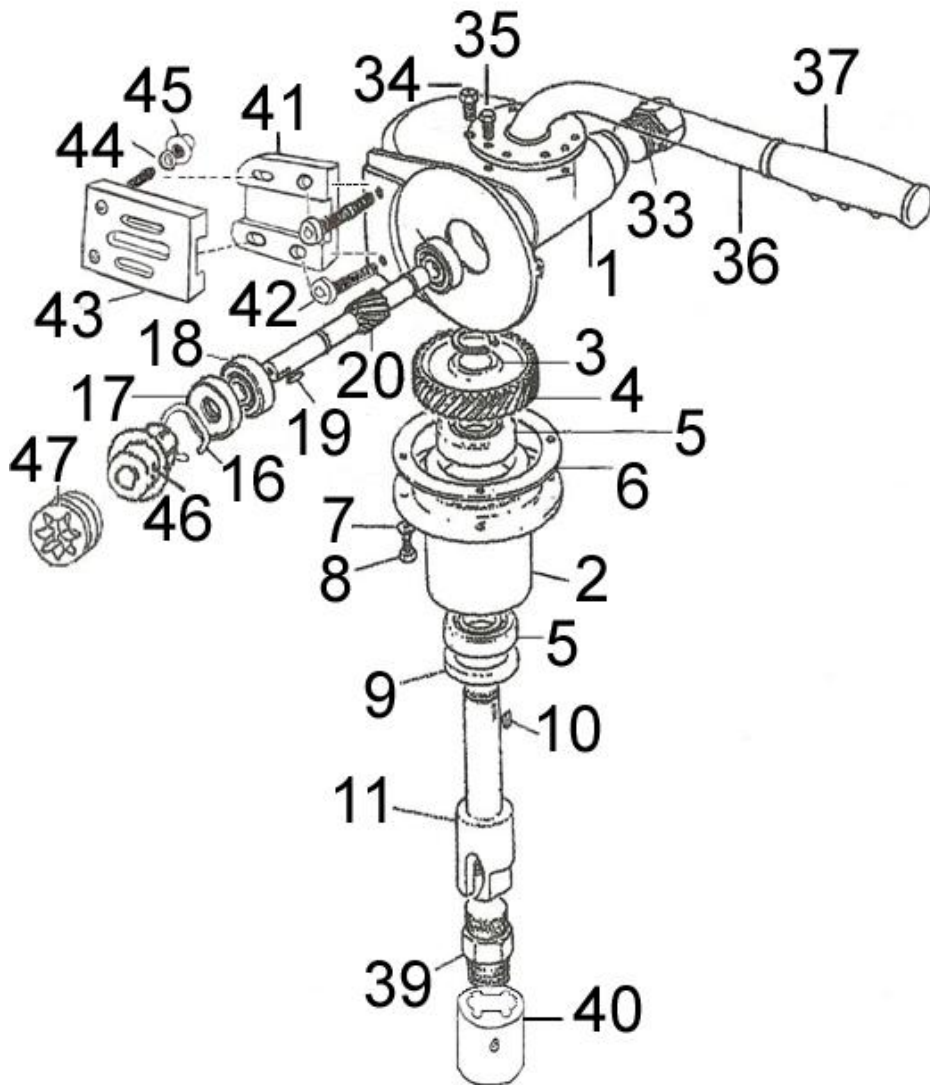


## Lewis Multi-Drill Parts List

ITEM #	PART #	
1	MD001	Casting, main
2	MD002	Casting, Output Shaft
3	MD003	Snap Ring, external
4	MD004D	Main Gear for Direct Drive
4A	MD004U	Main Gear for Universal Drive
5	MD005	Bearing, output shaft - 2 required
6	MD006	Gasket, output casting
7	MD007	Lock washer, output casting - 4 required
8	MD008	Bolt, output casting - 4 required
9	MD009	Seal, output shaft
10	MD010	Key, output shaft
11	MD011	Shaft, output
12	MD012	Chain guard, Universal Drive only.
13	MD013	Screw, Universal Drive only
14	MD014	Orange cup washer, Universal Drive only
15	MD015	Sprocket 16 tooth, Universal Drive only.
16	MD016	Snap ring, internal
17	MD017	Seal, input shaft
18	MD018	Bearing, input shaft - 2 required
19	MD019	Key, input shaft
20	MD020D	Shaft, input pinion for Direct Drive
20A	MD020U	Shaft, input pinion for Universal Drive
21	MD021	Washer, guard, Universal Drive only
22	MD022	Bolt, guard, Universal Drive only
23	MD023	Nut, guard, Universal Drive only - 4 required
24	MD024	Washers, flat Universal Drive only - 7 required
25	MD025	Washer, lock Universal Drive only - 2 required
26	MD026	Guide bar, Universal Drive only
27	MD027	Stud, guide bar, Universal Drive only - 2 required
28	MD028	Clamp, brace, Universal Drive only
29	MD029	Bolt, brace, Universal Drive only
30	MD030	Nut, brace, Universal Drive only
31	MD031	Brace, adjustable, Universal Drive only
32	MD032	Bolt, brace, Universal Drive only
33	MD033	Plug, casting end
34	MD034	Plug, oil fill
35	MD035	Bolt, handle - 3 required
36	MD036	Handle, adjustable
37	MD037	Grip, handle
38	MD038	Chain, cutterless, Universal Drive only
39	MD039	Drive adaptor, available in different sizes
40	MD040	Drive hub
41	MD041	Plate, adaptor for Multi Drill, Direct Drive only
42	MD042	Bolts, plate adaptor Multi Drill, Direct Drive only
43	MD043	Plate, adaptor c/w studs for chainsaw, Direct Drive only
44	MD044	Washers, plate adaptor chainsaw, Direct Drive only
45	MD045	Nut dome, plate adaptor chainsaw, Direct Drive only
46	E504B	Adaptor, input shaft, Direct Drive only (same as LW)

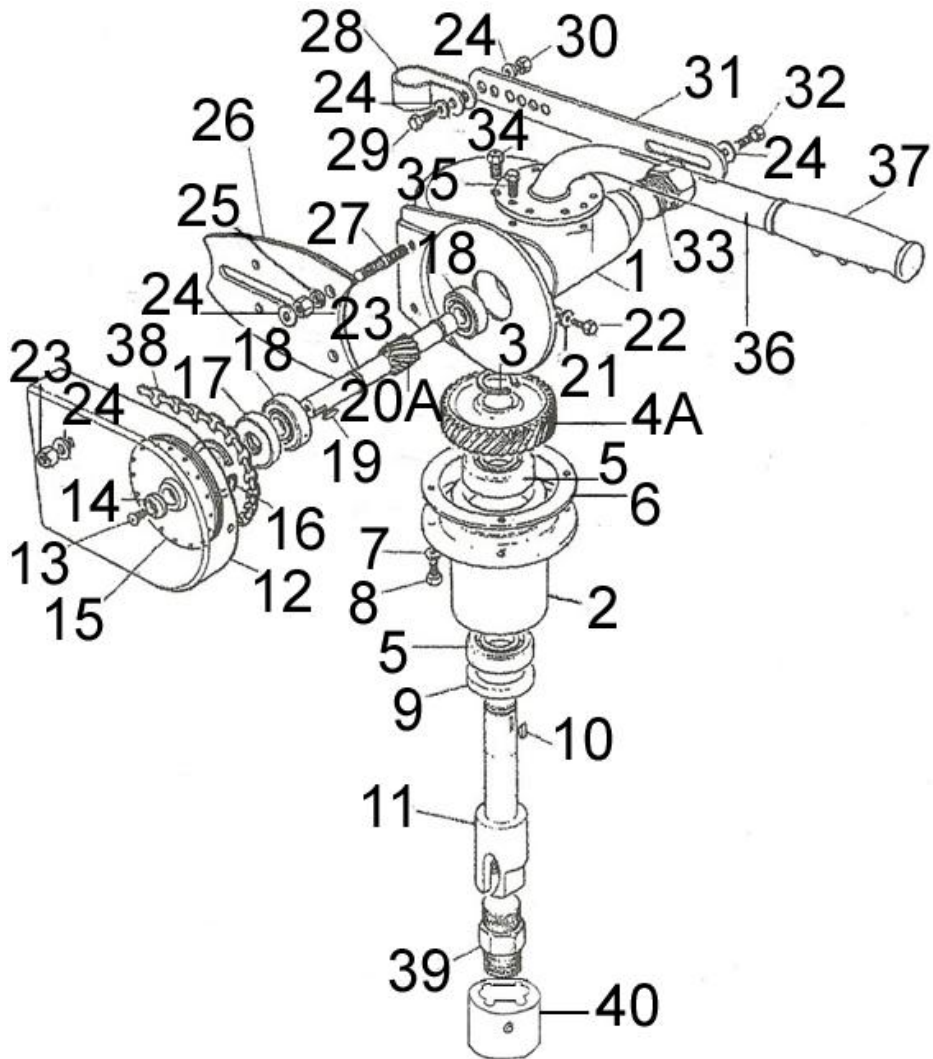
DIRECT ADAPTORS		
47	L906	Direct Drive Adaptor Kit 4 pcs c/w 3 screws
	L906A	3/16" Spacer for Adaptor Kit c/w 3 longer screws
	L906B	7 tooth <b>Mini</b> Spline Adaptor for small Stihl saw
	L906D	6 tooth Adaptor for electric saw & small Stihl
	L906E	* Master Adaptor for Lewis Winch 1/2" thick std spline c/w 3 screws
	L906F	* 7 tooth <b>Standard</b> Spline Adaptor
	L906G	* 7 tooth spur adaptor 3/8" pitch
	L906H	* 7 tooth <b>Small</b> Spline Adaptor
	L906J	* 3 adaptor screws (std length)
	L906M	Special 1 pc Adaptor 1" long std spline to 8 tooth .325
		* included in L906 Direct Adaptor Kit

## Lewis Multi-Drill Direct Drive Parts





# Lewis Multi-Drill Universal Drive Parts




## Lewis Earth Augers

- ▶ Length 38 inch / 97 cm
- ▶ Replaceable Alloy Tips
- ▶ Drive Hub 1" ID

- ▶ Flute 1/8 inch fully welded steel
- ▶ Shaft 1 3/8 inch diam. steel shaft
- ▶ Built to last a lifetime!




WEIGHT: 12 lbs. / 5.5 Kg




**LEWIS 4 inch Earth Auger** is ideal for installing metal fence and sign posts, and it's a standard size for tree planting operations.






WEIGHT: 18 lbs. / 8 Kg




**LEWIS 6 inch Earth Auger** drills the perfect size hole for a standard 4" x 4" post, which is the standard for most residential fencing.



WEIGHT: 20 lbs. / 9 Kg






**LEWIS 8 inch Earth Auger** is designed for heavy duty commercial applications where larger post sizes are necessary.




## Lewis Ice Augers

- ▶ Length 38 inch / 97 cm
- ▶ Replaceable Alloy Cutters
- ▶ Drive Hub 1" ID
- ▶ Flute 1/16 inch fully welded steel
- ▶ Shaft 1 3/8 inch diam. steel shaft
- ▶ Built to last a lifetime!




WEIGHT: 10 lbs. / 4.5 Kg




**LEWIS 6 inch Ice Auger** is perfect for thick ice (2-3 feet and more!) conditions where target fish species are small.



WEIGHT: 12.5 lbs. / 5.6 Kg



**LEWIS 8 inch Ice Auger** is a great compromise because it's still lightweight, but it quickly drills a larger hole through thicker ice.



WEIGHT: 15 lbs. / 7 Kg



**LEWIS 10 inch Ice Auger** drills a monster hole for fishing the largest fish species.





**Lewis MDC001 5/8" Drill Chuck Package** comes with the chuck, key and MD 039 X 1/2" NF drive adaptor. This package comes with all you need to attach the drill chuck on to your **LEWIS MULTI-DRILL**.



## Accessories

**Lewis Drive Extensions** allow you to drill a deeper hole with an auger by extending its shaft length and they are available in 2 sizes - the 12 inch and the 16 inch - c/w 1 inch drive hub and MDP01 retainer pin.

MDX16 auger extension



MDX12 auger extension



**Lewis Drive Bushings** allow you to use the **Lewis Augers** on a power head that has a round output shaft that is smaller than 1 inch. We stock 7/8" and 3/4", other sizes available on request.



MDB x 7/8" MDB x 3/4"

### Lewis Retainer Pins

These replacement retainer pins are strong, built from C 1045 hardened material. They make it easy to change or remove an auger from your **Lewis Multi-Drill**.



MDP01 Retainer Pins

**Lewis Drive Adaptors** allow you to use your **Lewis Multi-Drill** on many other attachments. **Lewis Multi-Drill** comes with an MD 039 x 1" adaptor that fits all **Lewis Augers**.



MD 039 x 1"



MD 039 x 7/8"



MD039 x 3/4"



MD039 x 1/2"NF

If you wish to run another brand of auger with the **Lewis Multi-Drill** and it has a round drive hub that is smaller than 1" or requires threads, then you will need an optional drive hub. We stock 1", 7/8" and 3/4" round and 1/2" NF threaded. Other sizes available on request.

**Another product from the makers of the Lewis Winch.**

315 A Levi Street, New Westminster, B.C. CANADA V3M 4N4  
Tel: (604) 524-6863 - CANADA & USA TOLL FREE 1-877-906-7711

Watch instructional and action videos on our website:

[www.LewisMultiDrill.com](http://www.LewisMultiDrill.com)