



DL40 HARVESTER

OPERATORS MANUAL

Manufactured by:

SOUTHERN NUT 'N' TREE EQUIPMENT, INC.
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STEPS TO OPERATING THE DL40

1. Familiarize yourself with the working parts of the DL40. After using this harvester for a couple of hours be sure to check the nuts and bolts to make sure that they are secure.
2. Periodically check the belt tension. The centrifugal clutch mounted on the engine shaft is designed to engage when the rpms of the engine are increased. This is to allow for easy starting of the engine so that it is not pulling the fan during starting. With a slight increase in engine rpm the fan will engage. With a little practice you will be able to adjust the engine rpms so that the fan will remove most all the trash while you are harvesting the nuts. Use the engine throttle to control the air speed.
3. The hitch is designed with two pulling adjustments. The straight adjustment will allow for a smaller lawn mower to be used and to go in circles around the trees. By circling the trees you will not pass over the nuts with your mower tires. The offset adjustment is to be used when using a larger pulling unit such as a 4 wheeler and/or traveling in a straight row. This keeps the tires of the pulling unit from passing over the unharvested nuts.
4. The basket accumulator is designed to hold approximately 50 pounds. Overfilling the basket will make it difficult to be removed and also very heavy to dump. Experience will help you learn the level that is most comfortable to remove and for dumping the basket.
5. On certain pulling units the hitch location is located where it makes turning with the DL40 difficult. With those problem pulling units it is recommended that you extend the location of the hitch ball to where it is located in line or slightly behind the back wheels of the pulling unit. This will allow for making sharp turns easily. (SNT will assist you in making an extension if you do not have the facilities to make this adaptation yourself.)
6. Ground preparation is an important factor to a successful harvest. It is recommended that all debris such as leaves, sticks, tall weeds or grass, etc. be removed prior to using your DL40. Removing the most of this debris can easily be done weeks ahead of the harvest time by closely mowing in the direction away from the trunk of the tree. Even after you have trashed the pecans from the tree, you can set a mower above the top of the nuts and blow the debris away. The cleaner your ground, the cleaner your finished harvested product.
7. Most of the time moisture will not greatly interfere with your harvesting. Wet debris will be harder to blow away from the nuts but sometimes the market and weather dictates that wet harvest is necessary.
8. Running the harvester over rocky ground will not interfere with your DL40 although you may pick up those rocks that are basically the same size as the nuts you are harvesting.
9. Maintenance of the engine is covered in the Briggs & Stratton manual. Be sure to check the oil daily. Change the oil once a season and be sure to keep the air intake clean. (It has been our experience that adding a fuel additive as a stabilizer and/or using Premium Gas keeps these small engines running better from year to year. Be sure to use a stabilizer when you put the engine up for several months. By exercising these small precautions your engine will start and run better each season.)
10. Keep your DL40 harvester inside or covered between seasons. The sun will be the worst enemy of the plastic wheels. These wheels are designed to give you many years of service and to withstand the sunlight, but it will be much better for the total machine if it is stored in a clean dry shed or at least covered with a tarp during the hot summer sun.

Enjoy your DL40 and give SNT feedback as to any suggestions that you might have in improving the design. Your support is appreciated and your comments are welcomed.

DL-40 PARTS LIST



| QUANTITY | PART NUMBER | PART DESCRIPTION |
|----------------------------|-------------|--|
| MISCELLANEOUS PARTS | | |
| 1 | DL 1001 | 3520902 CASTER SWIVEL 4.8/3.5-4 |
| 2 | DL 1002 | 303069 TIRE & WHEEL 480X8 |
| 1 | DL 1003 | 190261 HUB ASSEMBLY 4 BOLT |
| 1 | DL 1004 | WHEEL CLEANER COMPLETE 7 1/2" X 6" X 5/16" |
| 1 | DL 1005 | 3541746 LAG SCREW EYE 5/16 X 6 |
| 9 | DL 1006 | 3510648 FEET #40 ROLLER CHAIN |
| 1 | DL 1007 | 268446 TOP LINK BUSHING 3/4 X 1" |
| 2 | DL 1008 | 268454 BUSHING LIFT 1" X 1/4 |
| 2 | DL 1009 | 1151040 #40 MASTER LINK |
| 4 | DL 1010 | 3/8" X 2 1/2" BOLTS/N/LW |
| 1 | DL 1011 | 9" X 3 9/16" X 12 GA NUT DEFLECTOR |
| 1 | DL 1012 | 45955729 LEAF GUARD |
| 1 | DL 1013 | CHAIN IDLER SPROCKET HOLDER |
| 1 | DL 1014 | FRAME ONE PIECE |
| 1 | DL 1015 | NUT BASKET |
| 4 | DL 1016 | 3/4" BEARING FLANGES |
| 2 | DL 1017 | 3/4" BEARINGS |
| 1 | DL 1018 | WHEEL CLEANER FRAME BRACKET |
| 1 | DL 1019 | LIFT ARM COMPLETE W/LATCH |
| 1 | DL 1020 | 3/4" X 48" JACK SHAFT |
| 2 | DL 1021 | REAR GUIDE ROLLERS |
| 1 | DL 1022 | SPINDLE BEARINGS OUTSIDE |
| 1 | DL 1023 | SPINDLE BEARINGS INSIDE |
| 1 | DL 1024 | 40 X 40 BANK SPROCKET |
| 1 | DL 1025 | CENTRIFICAL CLUTCH 3.5" PULLEY A |
| 1 | DL 1026 | B & S 5 HP ENGINE THREADED SHAFT |
| 1 | DL 1027 | GAS ADDITIVE |
| 1 | DL 1028 | 1/4" X 4" PIPE NIPPLE |
| 1 | DL 1029 | 1/4" X 4" PIPE EL |
| 1 | DL 1030 | 3/8" SNAP PIN |
| 1 | DL 7800 | FAN |
| 1 | DL 1031 | SHIELD GUARDS |
| 1 | DL 1032 | DECAL SET |
| 1 | DL 1033 | POWER BELT |
| 1 | DL 1004 | 1 7/8" HITCH BALL |
| BAG A NUT WHEELS | | |
| 55 | DL 2001 | PLASTIC PICKUP WHEELS |
| 55 | DL 2002 | PLASTIC EXTRACTORS |
| 10 | DL 2003 | WHEEL GUIDES 12GA. |
| 20 | DL 2004 | 1/4" X 3/4" BOLT/N/LW |
| 1 | DL 2005 | 1 1/16" X 40 1/2" CARRIER SHAFT |
| 10 | DL 2006 | 1" X 3/8" SCHEDULE 40 PVC |
| 1 | DL 2007 | 1 1/16" SPACER WASHER |
| 2 | DL 2008 | 1 1/16" SNAP RINGS |
| 5 | DL 2009 | AXLES |
| FLAPPER-SHAFT | | |
| 1 | DL 6001 | FLAT BELT IDLER A- 5/8" BORE |
| 1 | DL 6002 | 5/8" X 44.5" SHAFT |
| 4 | DL 6003 | 1" X 38.5" FLAT STRAP |
| 14 | DL 6004 | 1/4" X 3/4" BOLTS/NUTS.LW |
| 1 | DL 6005 | 5/16" X 1" BOLT/FW/LOCKRING |
| 2 | DL 6006 | 3" X 38 1/8" PVC120 |
| 4 | DL 6007 | 159-010 1.574 OD 2BOLT FLG 40M-22P |
| 2 | DL 6008 | 150-851 5/8" BEARING CARTRIDGE SA202-10 |
| 4 | DL 6009 | 1/4" X 3/4" BOLT/FW/LOCKRING |
| 1 | DL 6010 | 5/8" X 3/8" WIDE SPACER |
| 2 | DL 6011 | 5/8" X 1/2" PIPE SPACER |
| 1 | DL 6012 | #40-12 X 5/8" BORE SPROCKET W/KEY |
| 2 | DL 6013 | 5/8" LOCKING COLLARS FOR FLAPPER |

CAUTION!

**ONLY QUALIFIED PERSONAL
(AS NOTED IN OPERATORS MANUAL)
ARE ALLOWED TO OPERATE THIS
MACHINE OR SAFETY FACTORS ARE
VOID AND MANUFACTURER IS NOT
RESPONSIBLE FOR INJURIES WHICH
MAY RESULT FROM MISUSE
OR ABUSE.**

NOTE!

**THIS MACHINE IS ONLY AS SAFE
AS THE PERSON OPERATING IT!**

Warranty

Southern Nut 'n' Tree Equipment warrants to the original purchaser of new Southern Nut 'n' Tree Equipment products, that they are free of defects in material and workmanship. This warranty is applicable only for the normal life expectancy of the unit or individual components for a period of one year from the date of original purchase. Warranty coverage is limited to replace any part, at no charge to the original purchaser, that in our judgment shows evidence of a defect: provided that upon written request, any such defective part is returned to Southern Nut 'n' Tree Equipment within 30 days of failure.

This Warranty does not apply to any part or product which in Southern Nut 'n' Tree Equipment's judgment has been subject to negligence, alteration, modification, or accident, damaged due to lack of maintenance or use of wrong oil or lubricants, has served its normal life, or which has been used for a purpose for which the product is not designed.

Southern Nut 'n' Tree Equipment reserves the right to make changes in material or design of the product at any time without notice.

This Warranty shall not be interpreted to render Southern Nut 'n' Tree Equipment liable for damages of any kind, direct, consequential or contingent to property. Furthermore, Southern Nut 'n' Tree Equipment shall not be liable for damages resulting from any cause beyond its reasonable control. This Warranty does not extend to any expense due to loss for labor, supplies, or for any other reason. This Warranty does not apply to any part of internal combustion engine, driveline component, or expendable items such as blades, shield, guards, or pneumatic tires as specifically found in your Operator's Manual.

Except as provided herein, no employee, agent, or other person is authorized to give any warranties of any nature on behalf of Southern Nut 'n' Tree Equipment. No other Warranty of any kind whatsoever, express or implied, is made with respect to this sale; and all implied warranties of merchantability and fitness for a particular purpose which exceed the obligations set forth in this written Warranty are hereby disclaimed and excluded from this sale.

If any provision of this limited warranty shall violate any applicable law, and is held to be unenforceable, then the invalidity of such provision shall not invalidate any other provision herein.

Personal Information

Model #:

Serial #:

Date of Purchase:

Notes: