

# DR<sup>®</sup> SCOUT<sup>™</sup> FIELD and BRUSH MOWER



## SAFETY & OPERATING INSTRUCTIONS



### **! WARNING!**

**READ AND UNDERSTAND THIS MANUAL AND ALL INSTRUCTIONS BEFORE OPERATING THIS MOWER.**

# THANK YOU!

And congratulations on your purchase of a new DR SCOUT FIELD and BRUSH MOWER!

We have done our utmost to ensure that your DR SCOUT FIELD and BRUSH MOWER will be one of the most trouble-free and satisfying pieces of equipment you have ever owned. Please let us know of any questions you may have. We want to answer them as quickly as possible. When you do call, please have your serial number and/or order number handy. **For technical assistance, please call Toll-Free 1-800-DR-OWNER (376-9637) and one of our Technical Support Representatives will be happy to help you.** We also hope to hear from you on how much you like your new helper.

In addition, please tell your friends about your new DR SCOUT FIELD and BRUSH MOWER! Having DR Owners spread the word about our products and our way of doing business is the best advertising we can have, and the best way to help us provide even better service in the years to come.

Thanks once again!



for all of us at  
Country Home Products, Inc.

SALES MANAGER

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DR® Power Equipment  
*A division of Country Home Products®*  
127 Meigs Road  
Vergennes, VT 05491

*Toll-free phone:* 1-800-DR-OWNER (376-9637)  
*Fax:* 1-802-877-1213  
*Web site:* [www.dr-owner.com](http://www.dr-owner.com)

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## CHAPTER 1

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# INTRODUCING THE DR SCOUT FIELD and BRUSH MOWER

This manual will help you set up and safely operate your new DR SCOUT FIELD and BRUSH MOWER. Careful adherence to the safety and operating instructions in this manual will ensure many years of productive use.

Please let us know of any questions you may have. We want to answer them as quickly as possible. When you do call, please have your serial number and/or order number handy. **For technical assistance, please call Toll-Free 1-800-DR-OWNER (376-9637) and one of our Technical Support Representatives will be happy to help you.**

### *Conventions used in this manual*

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#### **! WARNING!**

THIS INDICATES A HAZARDOUS SITUATION, WHICH, IF NOT AVOIDED, COULD RESULT IN DEATH OR SERIOUS INJURY.

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#### **! CAUTION!**

THIS INDICATES A HAZARDOUS SITUATION, WHICH, IF NOT AVOIDED, COULD RESULT IN MINOR OR MODERATE INJURY.

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#### **! NOTICE!**

THIS INFORMATION IS IMPORTANT IN THE PROPER USE OF YOUR MACHINE. FAILURE TO FOLLOW THIS INSTRUCTION COULD RESULT IN DAMAGE TO YOUR MACHINE OR PROPERTY.

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**Tip:** This is a helpful hint to guide you in getting the most out of your DR SCOUT FIELD and BRUSH MOWER.

**Tools Needed:** This indicates you will need a special tool to perform a maintenance function on your Mower.

**NOTE:** *This information may be helpful to you.*

If you are ever unsure about an action you are about to take, don't do it, contact Country Home Products' toll-free support at 1-800-DR-OWNER (376-9637) for help or information.



## GENERAL SAFETY RULES

### **WARNING!**

READ THIS SAFETY AND OPERATING MANUAL BEFORE YOU USE THE DR SCOUT FIELD AND BRUSH MOWER. BECOME FAMILIAR WITH THE SERVICE RECOMMENDATIONS TO ENSURE THE BEST PERFORMANCE FROM YOUR MOWER.

### *Labels*

Your DR SCOUT FIELD and BRUSH MOWER carries prominent labels as reminders for its proper and safe use. Shown below are copies of all the labels that appear on the equipment. Take a moment to study them and make a note of their location on your DR SCOUT FIELD and BRUSH MOWER as you assemble and *before* you operate the machine. Replace damaged or missing safety and information labels immediately. (#148231)



Read the Safety and Operating Instructions.



Always wear safety glasses or goggles while operating the machine.



Do not operate the machine near people or animals.



Keep body parts away from the mower blade.



Remove all objects that could be thrown by the mower blade.



Use caution operating the machine on slopes.



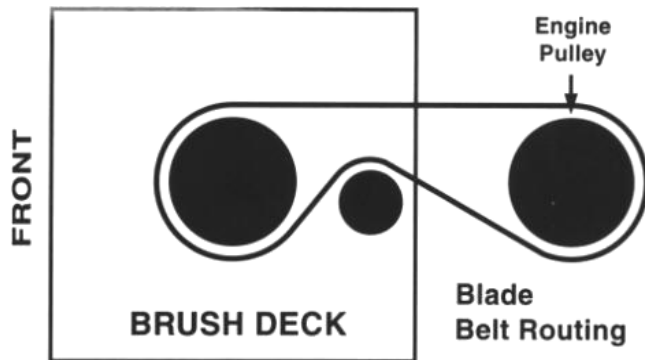
Make sure you add oil before starting the engine; the unit is shipped without oil. Fill the oil reservoir slowly to make sure you don't overfill it. (#127811)



Keep combustible substances away from the engine when it is hot. (#136831)



To avoid injury, keep your hands and feet away from the spinning blade. (#136491)



This label shows the proper routing of the Drive Belt. (#164371)

**⚠ WARNING**  
**AVOID SERIOUS INJURY OR DEATH**

- READ THE OPERATOR'S MANUAL
- DO ACROSS SLOPES, NOT UP AND DOWN
- DO NOT MOW WHEN CHILDREN OR OTHERS ARE AROUND
- LOOK DOWN AND BEHIND BEFORE AND WHILE MOVING BACKWARDS
- REMOVE OBJECTS THAT COULD BE THROWN BY THE BLADE
- KEEP SAFETY DEVICES (GUARDS, SHIELDS, SWITCHES, ETC.) IN PLACE AND WORKING

**START**  
Turn Key to Start for Manual- or Electric-Start Engines

**OPERATE SAFELY...**

- ▶ Keep bystanders at least 100 feet from work area.
- ▶ Disengage blade and stop engine when someone approaches.
- ▶ Always keep hands and feet clear of blade and other moving parts.
- ▶ Always shut off engine and remove spark plug wire before making adjustments to machine.

Mech's CPSC blade safety requirements

**DR FIELD and BRUSH MOWER™**  
**OPERATING INSTRUCTIONS**

**TO START ENGINE**

- ▶ Put Shift Lever on Transmission in N (neutral)
- ▶ Move the Throttle to CHOKE (Cold Start), or RUN (Warm Start)
- ▶ Turn key to START position
- ▶ Pull recoil handle slowly until you feel tension, then pull with a rapid stroke to start engine
- ▶ Move Throttle to Run

**TO STOP ENGINE**

- ▶ Release the Blade Control on the right handgrip
- ▶ Release the Operator Presence Control on the left handgrip
- ▶ Shift the Transmission into N (neutral)
- ▶ Turn key to OFF and remove key. Or, in the case of emergency, release both handgrips.
- ▶ Engine and blade will stop automatically.

**TO ENGAGE WHEEL DRIVE**

- ▶ Move shift lever to desired gear.
- ▶ Squeeze Wheel Clutch lever on left handgrip.

*Note: The heavier the material being cut, the lower the gear required.*

**TO MOW**

- ▶ Push down on the Operator Presence lever on the left handgrip
- ▶ Squeeze the Blade Control lever on the right handgrip

*Note: If you engage the Blade Control lever before holding down the Operator Presence lever, engine will shut off.*

IDLE ▶

RUN ▶

CHOKE ▶

DR® FIELD and BRUSH MOWER  
 Manufactured by  
 Country Home Products  
 Vergennes, VT 05491  
 1-800-DR-OWNER  
 www.dr-cv.com

This label reminds you about the importance of reading and understanding the Safety and Operating Instructions manual and of paying attention to the safety warnings. (#162651)



## *Protecting Yourself and Those Around You*

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### **! WARNING!**

THIS IS A HIGH-POWERED MACHINE, WITH MOVING PARTS OPERATING WITH HIGH ENERGY AT HIGH SPEEDS. PROPER CLOTHING AND SAFETY GEAR MUST BE USED WHEN OPERATING THIS MACHINE TO PREVENT OR MINIMIZE THE RISK OF SEVERE INJURY. THIS MACHINE CAN CUT, AND SEVER PARTS OF YOUR BODY IF THEY BECOME IN CONTACT WITH THE MOVING BLADE. ALWAYS TAKE THE FOLLOWING PRECAUTIONS WHEN OPERATING THIS MACHINE:

- ALWAYS WEAR PROTECTIVE GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS WHILE MOWING TO PROTECT YOUR EYES FROM POSSIBLE THROWN DEBRIS.
  - WEAR SHOES WITH NON-SLIP TREADS WHEN USING YOUR DR SCOUT FIELD AND BRUSH MOWER. IF YOU HAVE SAFETY SHOES, WE RECOMMEND WEARING THEM. DO NOT USE THE MACHINE WHILE BAREFOOT OR WEARING OPEN SANDALS.
  - AVOID WEARING LOOSE CLOTHING OR JEWELRY, WHICH MIGHT BE CAUGHT ON THE MOWER'S MOVING PARTS.
  - WE RECOMMEND WEARING GLOVES WHILE MOWING. BE SURE YOUR GLOVES FIT PROPERLY AND DO NOT HAVE LOOSE CUFFS OR DRAWSTRINGS.
- 

## *Operating the Mower Safely*

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### **! WARNING!**

THIS IS A HIGH-POWERED MACHINE, WITH MOVING PARTS OPERATING WITH HIGH ENERGY AT HIGH SPEEDS. THE MACHINE MUST BE OPERATED SAFELY. UNSAFE OPERATION CAN CREATE A NUMBER OF HAZARDS FOR YOU, AS WELL AS ANYONE ELSE IN THE NEARBY AREA. ALWAYS TAKE THE FOLLOWING PRECAUTIONS WHEN USING THIS MACHINE:

- NEVER ALLOW PEOPLE WHO ARE UNFAMILIAR WITH THESE INSTRUCTIONS TO USE THE DR SCOUT FIELD AND BRUSH MOWER.
- KEEP BYSTANDERS AT LEAST 100 FEET AWAY FROM YOUR WORK AREA AT ALL TIMES. OBJECTS CAN BE THROWN FAR FROM THE MOWER AND AT GREAT SPEEDS. TO BE SAFE, DO NOT OPERATE THE MACHINE NEAR SMALL CHILDREN OR PETS, AND NEVER ALLOW CHILDREN TO OPERATE THE MOWER. DISENGAGE THE BLADE AND STOP THE ENGINE WHEN ANOTHER PERSON OR PET APPROACHES.
- CLEAR THE AREA OF OBJECTS SUCH AS ROCKS, TOYS, WIRE, BONES, STICKS ETC., WHICH COULD BE PICKED UP AND THROWN BY THE BLADE.
- BE SURE ALL BLADE AND WHEEL CONTROLS ARE DISENGAGED BEFORE ATTEMPTING TO START THE ENGINE. ENGAGE AND DISENGAGE THE BLADE A FEW TIMES TO GET USED TO IT BEFORE MOWING.
- KEEP YOUR HANDS AND FEET AWAY FROM THE BLADE, BELTS, CHAINS, BLADE PULLEYS, AND CONCEALED AREAS WHILE THE ENGINE IS RUNNING. NEVER REACH UNDER THE DECK OR GRAB HOLD OF ANY PART OF THE DECK WHEN THE ENGINE IS RUNNING.

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**! WARNING!**

- ALWAYS SHUT OFF THE ENGINE WHENEVER YOU LEAVE THE MACHINE. REMOVE THE SPARK PLUG WIRE BEFORE ADJUSTING THE MACHINE. IF YOU HAVE TO STOP TO REMOVE GRASS OR DEBRIS FROM THE UNDERSIDE OF THE DECK, ALWAYS DISCONNECT THE SPARK PLUG WIRE FIRST.
  - THE EXHAUST AREA ON THE ENGINE BECOMES VERY HOT WITH USE. ALLOW THE ENGINE TO COOL BEFORE DOING MAINTENANCE OR MAKING ADJUSTMENTS.
  - KEEP COMBUSTIBLE SUBSTANCES AWAY FROM THE ENGINE WHEN IT IS HOT.
  - WHEN OPERATING OVER UNEVEN TERRAIN AND SLOPES, USE EXTREME CAUTION TO ENSURE SOLID AND FIRM FOOTING. KEEP A FIRM HOLD ON THE HANDLEBARS AND WALK, NEVER RUN.
  - STOP THE BLADE WHEN CROSSING GRAVEL DRIVES, WALKS, OR ROADS.
  - USE EXTRA CAUTION WHEN MOWING IN WET OR SLIPPERY CONDITIONS.
  - ALWAYS OPERATE THE MOWER FROM BEHIND. NEVER PASS OR STAND ON THE DISCHARGE (RIGHT) SIDE OR IN FRONT OF MACHINE WHEN THE ENGINE IS RUNNING.
  - DO NOT PULL THE MOWER BACKWARDS UNLESS ABSOLUTELY NECESSARY. LOOK DOWN AND BEHIND BEFORE AND WHILE MOVING BACKWARDS.
  - DO NOT, UNDER ANY CONDITIONS, REMOVE, BEND, CUT, FIT, WELD, OR OTHERWISE ALTER STANDARD PARTS ON THE DR SCOUT FIELD AND BRUSH MOWER. THIS INCLUDES ALL SHIELDS AND GUARDS. MODIFICATIONS TO YOUR MACHINE COULD CAUSE PERSONAL INJURIES AND PROPERTY DAMAGE AND WILL VOID YOUR WARRANTY.
  - IF THE MACHINE STARTS TO MAKE AN UNUSUAL NOISE OR VIBRATION, IMMEDIATELY SHUT OFF THE ENGINE, DISCONNECT THE SPARK PLUG WIRE, AND ALLOW ALL MOVING PARTS TO COME TO A COMPLETE STOP. VIBRATION IS GENERALLY A WARNING OF TROUBLE. INSPECT FOR CLOGGING OR DAMAGE. CLEAN AND REPAIR AND/OR REPLACE DAMAGED PARTS.
  - WHILE USING THE DR SCOUT FIELD AND BRUSH MOWER, DON'T HURRY OR TAKE THINGS FOR GRANTED. WHEN IN DOUBT ABOUT THE EQUIPMENT OR YOUR SURROUNDINGS, STOP THE MACHINE AND TAKE THE TIME TO LOOK THINGS OVER. MAKE SURE THAT YOU HAVE 100% CONTROL OF THE MOWER AT ALL TIMES.
  - DO NOT OPERATE THE MACHINE WHEN UNDER THE INFLUENCE OF ALCOHOL OR MEDICATION.
  - WATCH FOR TRAFFIC WHEN MOWING NEAR ROADWAYS.
  - USE THE MACHINE ONLY IN DAYLIGHT OR GOOD ARTIFICIAL LIGHT.
-

## Slope Operation

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### **WARNING!**

SLOPES ARE A MAJOR FACTOR RELATED TO SLIP AND FALL ACCIDENTS, WHICH CAN RESULT IN SEVERE INJURY. ALL SLOPES REQUIRE CAUTION. IF YOU FEEL UNEASY ON A SLOPE, DO NOT MOW IT. ALWAYS TAKE THE FOLLOWING PRECAUTIONS WHEN USING THIS MACHINE ON SLOPES:

#### **ALWAYS:**

- MOW ACROSS THE FACE OF SLOPES; NEVER UP AND DOWN. EXERCISE EXTREME CAUTION WHEN CHANGING DIRECTION ON SLOPES.
- REMOVE OBJECTS SUCH AS ROCKS, TREE LIMBS ETC.
- WATCH FOR HOLES, RUTS, OR BUMPS. TALL GRASS CAN HIDE OBSTACLES.

#### **NEVER:**

- *NEVER* MOW NEAR DROP-OFFS, DITCHES, OR EMBANKMENTS. YOU COULD LOSE YOUR FOOTING OR BALANCE.
  - *NEVER* MOW ON SLOPES GREATER THAN 20 DEGREES OR ANY EXCESSIVELY STEEP SLOPES.
  - *NEVER* MOW ON WET SLOPES. REDUCED TRACTION COULD RESULT IN SLIPPING.
- 

## Safety for Children

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### **WARNING!**

TRAGIC ACCIDENTS CAN OCCUR IF THE OPERATOR IS NOT ALERT TO THE PRESENCE OF CHILDREN. CHILDREN ARE OFTEN ATTRACTED TO THE MOWER AND THE MOWING ACTIVITY. *NEVER* ASSUME THAT CHILDREN WILL REMAIN WHERE YOU LAST SAW THEM.

- KEEP CHILDREN OUT OF THE MOWING AREA AND UNDER THE WATCHFUL CARE OF A RESPONSIBLE ADULT.
  - BE ALERT AND TURN THE MOWER OFF IF CHILDREN ENTER THE WORK AREA.
  - BEFORE AND WHILE MOVING BACKWARDS, LOOK BEHIND AND *DOWN* FOR SMALL CHILDREN.
  - NEVER ALLOW CHILDREN TO OPERATE THE MOWER.
  - USE EXTRA CARE WHEN APPROACHING BLIND CORNERS, SHRUBS, TREES, OR OTHER OBJECTS THAT MAY OBSCURE YOUR VISION.
-

## *Safety with Gasoline-Powered Machines*

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** WARNING!**

**GASOLINE IS A HIGHLY FLAMMABLE LIQUID. GASOLINE ALSO GIVES OFF FLAMMABLE VAPOR THAT CAN BE EASILY IGNITED AND CAUSE A FIRE OR EXPLOSION. NEVER OVERLOOK THE HAZARDS OF GASOLINE. ALWAYS FOLLOW THESE PRECAUTIONS:**

- **NEVER RUN THE ENGINE IN AN ENCLOSED AREA OR WITHOUT PROPER VENTILATION AS THE EXHAUST FROM THE ENGINE CONTAINS CARBON MONOXIDE, WHICH IS AN ODORLESS, TASTELESS, AND DEADLY POISONOUS GAS.**
  - **STORE ALL FUEL AND OIL IN CONTAINERS SPECIFICALLY DESIGNED AND APPROVED FOR THIS PURPOSE AND KEEP AWAY FROM HEAT AND OPEN FLAME, AND OUT OF THE REACH OF CHILDREN.**
  - **FILL THE GASOLINE TANK OUTDOORS WITH THE ENGINE OFF AND ALLOW THE ENGINE TO COOL COMPLETELY. DON'T HANDLE GASOLINE IF YOU OR ANYONE NEARBY IS SMOKING, OR IF YOU'RE NEAR ANYTHING THAT COULD CAUSE IT TO IGNITE OR EXPLODE. REPLACE THE FUEL TANK AND FUEL CONTAINER CAPS SECURELY.**
  - **IF YOU SPILL GASOLINE, DO NOT ATTEMPT TO START THE ENGINE. MOVE THE MACHINE AWAY FROM THE AREA OF THE SPILL AND AVOID CREATING ANY SOURCE OF IGNITION UNTIL THE GAS VAPORS HAVE DISSIPATED. WIPE UP ANY SPILLED FUEL TO PREVENT A FIRE HAZARD AND PROPERLY DISPOSE OF THE WASTE.**
  - **ALLOW THE ENGINE TO COOL COMPLETELY BEFORE STORING IN ANY ENCLOSURE. NEVER STORE THE MACHINE WITH GAS IN THE TANK OR A FUEL CONTAINER, NEAR AN OPEN FLAME OR SPARK SUCH AS A WATER HEATER.**
  - **NEVER MAKE ADJUSTMENTS OR REPAIRS WITH THE ENGINE RUNNING. DISCONNECT THE SPARK PLUG WIRE AND KEEP THE WIRE AWAY FROM THE SPARK PLUG TO PREVENT ACCIDENTAL STARTING.**
  - **NEVER TAMPER WITH SAFETY DEVICES. CHECK THEIR PROPER OPERATION REGULARLY.**
  - **DO NOT CHANGE THE ENGINE GOVERNOR SETTINGS OR MODIFY THE ENGINE SPEED.**
  - **TO REDUCE FIRE HAZARD, KEEP THE ENGINE AND MUFFLER FREE OF DEBRIS BUILD-UP.**
-

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**! CAUTION!**

THE MOWER MUST BE OPERATED SAFELY TO PREVENT OR MINIMIZE THE RISK OF MINOR OR MODERATE INJURY. UNSAFE OPERATION CAN CREATE A NUMBER OF HAZARDS FOR YOU. ALWAYS TAKE THE FOLLOWING PRECAUTIONS WHEN OPERATING THIS MOWER:

- KEEP IN MIND THAT THE OPERATOR OR USER IS RESPONSIBLE FOR ACCIDENTS OR HAZARDS OCCURRING TO OTHER PEOPLE, THEIR PROPERTY, AND THEMSELVES.
  - USE EAR PROTECTORS OR EAR PLUGS RATED FOR AT LEAST 20 DBA TO PROTECT YOUR HEARING.
  - WEAR LONG PANTS WHILE MOWING.
  - USE CAUTION WHEN MOWING CLOSE TO FENCES, BUILDINGS, TREES, ETC. SO AS NOT TO HIT THE HANDLE BAR. DOING SO, YOU MAY INJURE YOUR HAND OR LOSE CONTROL OF THE MACHINE.
  - SEE MANUFACTURER'S INSTRUCTIONS FOR PROPER OPERATION AND INSTALLATION OF ACCESSORIES. ONLY USE ACCESSORIES APPROVED BY COUNTRY HOME PRODUCTS, INC.
  - KEEP ALL NUTS AND BOLTS TIGHT, ESPECIALLY THE BLADE ATTACHMENT BOLTS, AND KEEP THE EQUIPMENT AND ATTACHMENTS IN GOOD OPERATING CONDITION.
  - THE MOWER BLADE IS SHARP AND CAN CUT. WRAP THE BLADE OR WEAR GLOVES, AND USE EXTRA CAUTION WHEN SERVICING.
  - NO LIST OF WARNINGS AND CAUTIONS CAN BE ALL-INCLUSIVE. IF SITUATIONS OCCUR THAT ARE NOT COVERED BY THIS MANUAL, THE OPERATOR MUST APPLY COMMON SENSE AND OPERATE THIS MOWER IN A SAFE MANNER. CALL 1(800) DR-OWNER (376-9637) FOR ASSISTANCE.
- 

### *A Note to All Users*

Under California law, and the laws of some other states, you are not permitted to operate an internal combustion engine using hydrocarbon fuels without an engine spark arrester. This also applies to operation on US Forest Lands. All DR SCOUT FIELD and BRUSH MOWERS shipped to California and Washington State are provided with spark arresters. Failure of the owner/operator to maintain this equipment in compliance with state regulations is a misdemeanor under California law and may be in violation of other state and/or federal regulations. Contact your local fire marshal or forest service for specific information in your area.

### *Additional Information and Potential Changes*

Country Home Products, Inc. reserves the right to discontinue, change, and improve its products at any time without notice or obligation to the purchaser. The descriptions and specifications contained in this manual were in effect at printing. Equipment described within this manual may be optional. Some illustrations may not be applicable to your machine.



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## **SETTING UP YOUR DR SCOUT FIELD and BRUSH MOWER**

This chapter outlines a few simple steps you will need to follow to set up your new machine before you use it. It may be helpful to familiarize yourself with the controls and features on your mower by reviewing the picture in the next section before beginning the steps outlined in this chapter. **If you have any questions at all, please feel free to contact our Customer Service Representatives at our toll free number: 1-800-DR-OWNER (376-9637).**

## DR SCOUT FIELD and BRUSH MOWER Controls and Features

**NOTE:** The model shown in **Figure 1** may look slightly different from your machine.



**Figure 1**



## Unpacking the Mower

**NOTE:** Unpacking the DR SCOUT FIELD and BRUSH MOWER is a two-person job. We recommend you have an extra set of hands available before you begin.

### Tools and Supplies Needed:

- Screwdriver
- Metal Shears
- Knife
- Gloves and Eye Protection

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### CAUTION!

- WEAR EYE PROTECTION WHEN CUTTING THE BANDING. THE BANDING MAY HAVE A LOT OF TENSION ON IT AND MAY SNAP AND CUT YOU. ALWAYS STAND TO ONE SIDE WHEN CUTTING THE BAND.
- STABILIZE THE SHIPPING CONTAINER ON CLEAN FLAT TERRAIN BEFORE ATTEMPTING TO UNPACK AND ASSEMBLE THE MACHINE.

1. Stand to one side and cut the banding.
2. Remove the top of the carton. Separate the stapled vertical cardboard ends from the pallet to access the pallet straps. Be careful of the staples.
3. Pry off the fasteners and cut any ties holding the machine to the pallet.

---

### CAUTION!

**WEAR GLOVES AND BE VERY CAREFUL WHEN HANDLING THE DECK. THE BLADE IS VERY SHARP, AND MAY SPIN AS YOU MANEUVER THE DECK.**

4. Roll the mower off the pallet. Do not discard your pallet and packaging material until you are fully satisfied with your new DR SCOUT FIELD and BRUSH MOWER.
5. Remove the Blade Protector from the Blade. (See CAUTION note above)

## Adding Oil and Gasoline

### **! NOTICE!**

- YOU MUST ADD OIL BEFORE STARTING THE ENGINE. THIS MACHINE IS SHIPPED WITHOUT OIL. TRACES OF OIL MAY BE IN THE RESERVOIR FROM FACTORY TESTING, BUT YOU MUST ADD OIL BEFORE STARTING THE ENGINE. FILL THE RESERVOIR SLOWLY, CHECKING THE DIPSTICK FREQUENTLY TO AVOID OVERFILLING.
- TO GET AN ACCURATE READING WHEN CHECKING THE OIL LEVEL:
  - ⇒ THE MACHINE SHOULD BE ON A LEVEL SURFACE.
  - ⇒ THE DIPSTICK SHOULD BE SCREWED DOWN ON BRIGGS & STRATTON ENGINES.

**Tip:** To avoid confusion, we recommend leaving the caps ON the fuel and oil fills until you are ready to pour either gasoline or oil into the correct fill.

**NOTE:** Use only SAE 30 high detergent oil. Other types of oil could cause problems operating your machine. Please refer to your Engine Owner's Manual for detailed oil information.

Approximate Engine Oil Required w/ Oil Filter	
Briggs & Stratton – 7 HP Intek	20 oz. (0.60 L)

1. Place the machine on a level surface and initially add 10oz. of SAE 30 high detergent oil (recommended by the Engine Manufacturer) into the Oil Fill (**Figure 2**) and wait one minute for the oil to settle.
2. Check the dipstick and continue adding a few ounces of oil at a time, rechecking the dipstick until the oil reaches the fill mark. Be careful not to overfill.
3. Fill the gas tank to within 1/4 inch of the top with fresh, unleaded gas. See the Engine Owner's Manual for more information.



Figure 2

## Check the Tire Pressure

There should be 10 psi in each tire.

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## OPERATING YOUR DR SCOUT FIELD and BRUSH MOWER

This chapter covers the procedures for starting and stopping your new DR SCOUT FIELD and BRUSH MOWER and discusses basic operation features. You may find it helpful to review the DR SCOUT FIELD and BRUSH MOWER Controls and Features picture (**Figure 1**) on page 12 before reading this chapter.

### ***The Pre-Start Safety Check***

Your DR SCOUT FIELD and BRUSH MOWER is fitted with an Operator Presence System to prevent the blade from cutting without an operator in the proper position at the controls. Also, normal wear and tear can bring about the need for adjustment to some running parts to insure that they function properly in terms of safe operation.

For your protection, it is imperative that these simple test procedures be performed before each use of the machine to verify that the safety equipment is in good order and that no part adjustments are needed for safe operation.

#### **Test your Operator Presence Control System:**

1. Stand in the operating position behind the handlebars, start your machine and engage the blade.
2. Remain behind the handlebars and release both hands from the controls.
3. THE ENGINE SHOULD SHUT OFF IMMEDIATELY. If your engine does not stop, your Operator Presence Control System may be damaged or disabled.

---

### **WARNING!**

**TURN OFF YOUR MACHINE BY USING THE IGNITION KEY AND STOP USING YOUR MACHINE IMMEDIATELY!**

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#### **Inspect the system for the following:**

- Intentional disabling of the system through part modification or temporary measures used to override the system.
- Loose electrical connections.
- Broken parts.

After inspection, repeat this test. If your system still does not operate properly, REMOVE THE KEY FROM THE IGNITION SWITCH TO PREVENT OTHERS FROM OPERATING THE EQUIPMENT.

Call our Technical Support Representatives at **1(800) DR-OWNER (376-9637)** for assistance.

### Checking and adjusting clutch engagement:

1. Start your machine in the normal manner.
2. With the Operator Presence Lever depressed, shift into low gear.
3. Increase the engine rpm but do not squeeze the Clutch Lever. The machine should not move when the Clutch Lever is not squeezed.

## CAUTION!

IF YOUR MACHINE “CREEPS” DURING THIS TEST, YOUR CLUTCH NEEDS ADJUSTMENT. CONSULT CHAPTER 5, PAGE 27 OF YOUR SAFETY AND OPERATING MANUAL AND MAKE ALL NECESSARY CORRECTIONS BEFORE USING.

### Before Starting the Engine

1. Check the oil level every time you use the machine. See **Figure 2** on page 14.
2. Check the gas level (**Figure 2**).

### Starting

1. Move the Shift Lever to N (Neutral) (**Figure 3**).
2. Move the Throttle (**Figure 1**, on page 12) to the CHOKE position (to the RUN position if the engine is already warm).

**NOTE:** *If the engine is cold, push the Primer Bulb (**Figure 4**) in and completely release it, lifting your finger and letting it pop back to its original position. Repeat three to four times. In cold weather, you may need to press additional times, being sure that the bulb inflates between pumps.*

3. Turn the Key (**Figure 1**) to START.
4. Grasp the recoil starter handle and slowly pull until you feel resistance. Let the cord retract a little bit, then pull the cord rapidly to start the engine. One or two pulls usually starts the DR SCOUT FIELD and BRUSH MOWER.
5. As the engine warms up, slowly adjust the Throttle to the Run position. Wait until the engine runs smoothly before each Throttle adjustment.

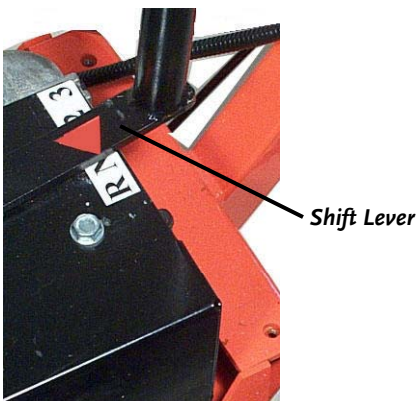


Figure 3

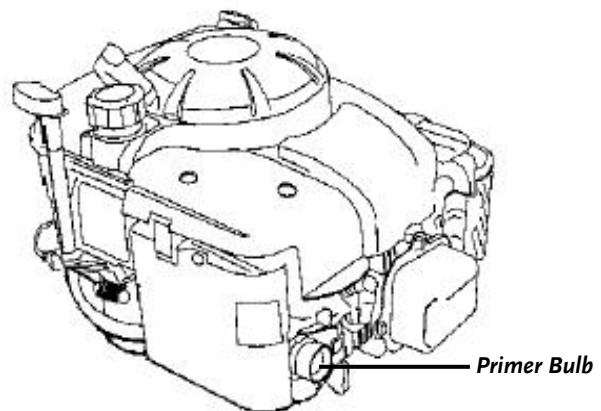


Figure 4

## Engaging the Wheel Drive

The DR SCOUT FIELD and BRUSH MOWER has a three-speed forward transmission and single-speed reverse. Forward speeds range from 1.1 mph in first gear to 2.2 mph in third gear. Use the lower gears for mowing in thick, woody vegetation and the higher gears for wide-open areas and lighter vegetation, or as "travel gears." Reverse is ideal for maneuvering in tight spots.

**NOTE:** Always release the Wheel Clutch Lever (**Figure 1**, on page 12) when shifting gears.

1. Move the Shift Lever to the desired gear (**Figure 4**).
2. Gently squeeze the Wheel Clutch Lever to engage a gear.
3. Release the Wheel Clutch Lever if you need to slow down or stop.

## Engaging the Blade

1. Hold down the Operator Presence Lever (**Figure 1**, on page 12).
2. Engage the Blade by squeezing the Blade Clutch Lever (**Figure 1**).

**NOTE:** If you squeeze the Blade Clutch Lever before holding down the Operator Presence Lever, the engine will shut off.



**ALWAYS DISENGAGE THE BLADE OF THE DR SCOUT FIELD and BRUSH MOWER BEFORE SHIFTING INTO REVERSE.**

---

## Stopping the Blade

Release the Blade Clutch Lever (**Figure 1**, on page 12).

**NOTE:** Releasing the Operator Presence Lever to disengage the Blade will cause the engine to shut off.

## Stopping the Engine

1. Stop the Blade by releasing the Blade Clutch Lever (*Figure 5*).
2. Move the Shift Lever to the N (Neutral) position (*Figure 5*).
3. Move the Throttle Control to the IDLE position (*Figure 5*).
4. Turn the Key to the OFF position (*Figure 5*) and remove it for safety.



Figure 5

## Obstacle Tips

Dealing with obstacles in the terrain is easy with your new DR SCOUT FIELD and BRUSH MOWER. The following section explains how to approach most common obstacles.

### **! WARNING!**

- THE MOWER ENGINE'S POWER CAN EASILY THROW STONES, STICKS AND OTHER DEBRIS AT GREAT VELOCITY, WHICH COULD CAUSE PERSONAL INJURY OR PROPERTY DAMAGE. DO NOT RUN THE MACHINE OVER GRAVEL DRIVEWAYS OR OVER LOOSE STONES OR MULCH WITH THE MOWER BLADE SPINNING.
- ALWAYS CHECK YOUR WORK AREA BEFORE MOWING AND REMOVE ANY DEBRIS THAT MIGHT TANGLE OR DAMAGE THE MACHINE. IF YOU DO RUN INTO DEBRIS AND THE MOWER BECOMES TANGLED, TURN OFF THE ENGINE AND DISCONNECT THE SPARK PLUG WIRE BEFORE ATTEMPTING TO UNTANGLE THE MACHINE.
- NEVER TOUCH THE EXHAUST AREAS WHEN REACHING FOR THE SPARK PLUG—THEY ARE VERY HOT.

## Slopes

---

### **! WARNING!**

- WHEN OPERATING THE DR SCOUT FIELD and BRUSH MOWER OVER UNEVEN TERRAIN OR SLOPES, USE EXTREME CAUTION NOT TO TIP THE MACHINE OVER.
  - NEVER USE THE DR SCOUT FIELD and BRUSH MOWER ON SLOPES GREATER THAN 20 DEGREES (FIGURE 6). DOING SO COULD RESULT IN SERIOUS INJURY OR DAMAGE TO YOUR MACHINE.
- 

1. If you have to mow on sloping terrain, mow across the slope, not up and down, for better control.
2. To avoid “free-wheeling”, shift into a lower gear before going down a slope. NEVER shift while on a slope.



Figure 6

### ***If the machine gets hung up***

1. Disengage the Blade. NEVER try to free the machine from stumps or debris while the Blade is engaged.
2. Try putting the machine in reverse and backing away from the obstacle.
3. Try pushing down on the handlebars to lift the mowing deck over the obstacle.

---

### **! WARNING!**

- IF YOU NEED TO LEAVE THE OPERATING POSITION TO CLEAR DEBRIS FROM THE DECK, FIRST PUT THE MACHINE IN "N" (NEUTRAL), TURN THE ENGINE OFF AND DISCONNECT THE SPARK PLUG WIRE.
  - NEVER TOUCH THE EXHAUST AREAS WHEN REACHING FOR THE SPARK PLUG—THEY ARE VERY HOT.
-



## ***Cutting Brush and Saplings***

1. When cutting woody material, small saplings, etc., allow the machine to ride up and over material slowly. Adjust your forward speed to varying conditions (**Figure 7**).
2. After cutting brush, etc., you may want to mow over it again to remove any remaining branches. It works best to mow from the trunk end toward the top as brush lies on the ground.



**Figure 7**

## ***Reverse***

1. Be very careful of your footing when operating the machine in reverse. Know what's behind you and take your time.
2. Disengage the Blade before shifting into reverse. Mow in the forward gears only, using reverse for maneuvering.
3. If you find it difficult to shift into reverse, lightly "feather" the Wheel Clutch Lever as you put the Shift Lever into reverse, then quickly release the Wheel Clutch Lever.
4. Gently squeeze the Wheel Clutch Lever to start moving in reverse.

## ***Cutting in Wet and Heavy Growth***

1. Be very careful of your footing when mowing in wet conditions. Avoid steep slopes and other slippery areas.
2. Use a lower, slower speed when mowing in wet conditions.



## CHAPTER 5

# MAINTAINING THE DR SCOUT FIELD and BRUSH MOWER

This chapter covers regular maintenance procedures that will ensure the best performance and long life of your machine. For engine maintenance, please refer to the Engine Owner's Manual that came with your mower. Service intervals listed in the checklist below supercede those listed in the Engine Owner's Manual.

### **WARNING!**

**SOME OF THE FOLLOWING PROCEDURES REQUIRE ACCESS TO THE UNDERSIDE OF THE MACHINE. IF YOU NEED TO TIP THE MACHINE BACK OR ON ITS SIDE (WITH THE DISCHARGE CHUTE FACING UP), YOU MUST FIRST DISCONNECT THE SPARK PLUG WIRE, DRAIN THE OIL AND GAS, AND REMOVE THE AIR FILTERS.**

### *Regular Maintenance Check List*

*NOTE: Service intervals shown are considered maximum under normal operating conditions. Increase frequencies under extremely dirty or dusty conditions.*

Procedure	Before Each Use	Every 25 Hours	Every 100 Hours
Check Operator Presence Switch	▲		
Check Engine Oil Level	▲		
Check General Equipment Condition	▲		
Check Blade for Sharpness	▲		
Lubricate Wheel and Blade Clutch Levers*		▲	
Lubricate Chain* and Clean around Idlers		▲	
Check Tire Pressure		▲	
Change Engine Oil and Filter**	1 <sup>st</sup> time 5 hours	▲	
Clean Engine Exterior and Cooling Fins		▲	
Check all Belt Tensions and Condition		▲	
Check Cable connections		▲	
Replace Air Filter and Precleaner**		▲	
Replace Spark Plug			▲

\* FLUID FILM® lubricant or SAE 30 oil. NEVER use penetrating oil.

\*\* The engine on your DR may not have a Precleaner or Oil Filter.

## Lubrication

Your DR SCOUT FIELD and BRUSH MOWER was lubricated at the Factory. The spindle, differential and transmission are lubricated for life and sealed at the factory. The operator needs to periodically lubricate the Wheel Clutch Cable, Blade Clutch Cable, Drive Chain, and provide engine lubrication.

### Tools and Supplies Needed:

- 1/2" wrench or socket (chain cover)
- 9/16" wrench or socket (shift lever)
- FLUID FILM® or comparable lubricant

## **WARNING!**

**BEFORE PERFORMING ANY MAINTENANCE PROCEDURE, STOP THE ENGINE AND DISCONNECT THE SPARK PLUG WIRE.**

1. Lubricate the Blade Clutch Cable and Wheel Clutch Cable with FLUID FILM® or comparable lubricant. Spray the lubricant into the cable housing while working the cable back and forth a few times. This should be done at both ends of the cables. Perform this lubrication more often in dry and dusty environments.
2. To remove the Chain Cover, first remove the Shift Lever Attaching Nut (**Figure 8**) and then remove the Shift Lever.
3. Remove the two (2) Chain Cover screws and then remove the Chain Cover (**Figure 9**).
4. Lubricate the Chain (**Figure 10**) and then replace the Chain Cover and Shift Lever.



Figure 8



Figure 9

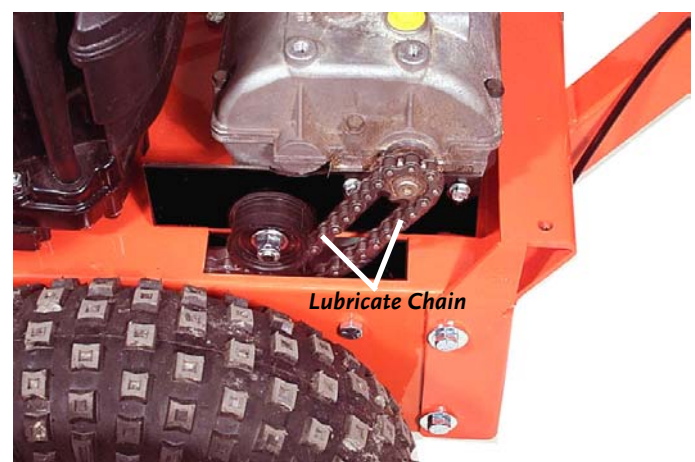


Figure 10

## Removing the Engine Oil



**BEFORE PERFORMING ANY MAINTENANCE PROCEDURE, STOP THE ENGINE AND DISCONNECT THE SPARK PLUG WIRE.**

---

- **Manually:**

1. Remove the Oil Filler Cap and position a suitable oil receptacle beside the Oil Fill Tube.
2. Using the handle of the mower, tip the machine to the left and drain the oil out through the Oil Filler Tube into the suitable receptacle.
3. Replace the oil by following the instructions on page 14.

- **Alternate Method:**

1. Remove the Oil Fill Cap and vacuum the oil from the engine through the Oil Fill Tube using a vacuum oil drainer.
2. Replace the oil by following the instructions on page 14.

**NOTE:** *If the oil is not to be reused, be sure to use environmentally safe disposal procedures in the disposing of the used oil.*

## Removing and Replacing the Belts

### **! WARNING!**

BEFORE PERFORMING ANY MAINTENANCE PROCEDURE, STOP THE ENGINE AND DISCONNECT THE SPARK PLUG WIRE.

### **! NOTICE!**

USE ONLY DR BELTS ON YOUR MACHINE. THEY HAVE BEEN THOROUGHLY TESTED AND PROVEN FOR MANY HOURS OF USE.



Figure 11

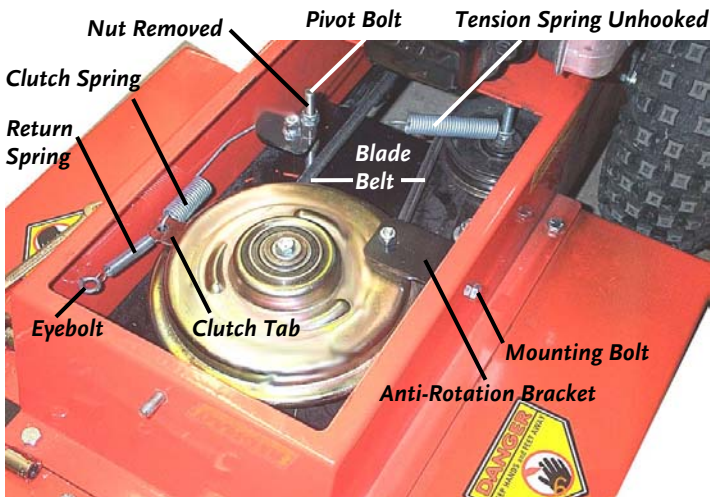


Figure 12

### To Replace the Blade Belt

#### Tools and Supplies Needed:

- 9/16" wrench or socket (Spring Nut)
- 1/2" wrench or socket (Guide Bolt)
- Gloves

1. Remove the black Belt Guard by unscrewing the black Knob and pull the Guard forward, lifting to remove it (*Figure 11*).
2. Remove the top nut from the Clutch Lever Pivot Bolt. Remove the Idler Tension Spring from the shaft by gripping the spring with your gloved hand, pulling the spring toward the shaft and lifting it over the shaft (*Figure 12*).
3. Remove the Clutch Anti-Rotation Bracket by removing the Mounting Bolt from the side of the machine (*Figure 12*).
4. Remove the Clutch Return Spring by unhooking it from the Eyebolt (*Figure 12*).
5. Remove the Clutch Spring from the Clutch Tab by rotating the tab toward the rear of the machine (clockwise) to relieve tension and unhook the Spring from the Tab (*Figure 12*).
6. Remove the Belt from the engine pulley below the machine and then remove it from around the Clutch (*Figure 12*).
7. To mount the Belt, follow the above procedure in the reverse order.

## To Replace the Drive Belt

### **! WARNING!**

BEFORE PERFORMING ANY MAINTENANCE PROCEDURE, STOP THE ENGINE AND DISCONNECT THE SPARK PLUG WIRE.

### **! NOTICE!**

USE ONLY DR BELTS ON YOUR MACHINE. THEY HAVE BEEN THOROUGHLY TESTED AND PROVEN FOR MANY HOURS OF USE.

#### Tools Needed:

- 7/16" wrench or socket
- 1/2" wrench or socket
- Gloves

1. Drain the gas and oil.
2. Loosen the two outside Belt Retainer Bolts on the right and left side of the machine near the wheels and slide them forward (**Figure 13**).
3. Release the Clutch Control Cable from the handle by pulling back and down (**Figure 14**).
4. Remove the Blade Belt following the instructions as outlined on the previous page.
5. With the machine on its side, remove the two (2) Bolts and the Clutch Cable Bracket and the third Belt Guide Bolt to the right of the Pulley (**Figure 15**).
6. Remove the Belt from the Pulleys and re-install the new Belt by reversing the above procedure.
7. Check the Wheel Clutch Adjustment; see page 27.

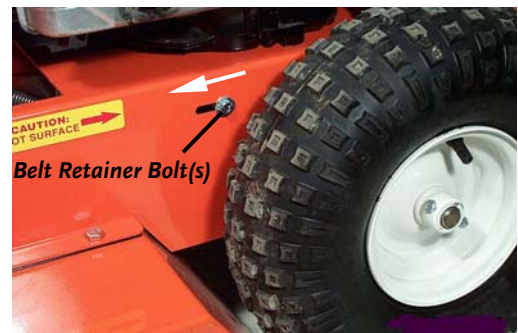


Figure 13

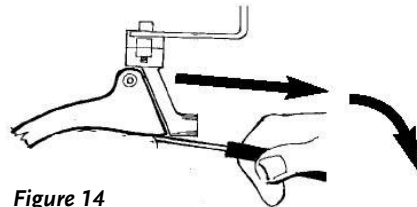


Figure 14



Figure 15

### **! NOTICE!**

BE CERTAIN TO FILL THE ENGINE WITH OIL BEFORE STARTING THE ENGINE; SEE PAGE 14.



## Removing and Replacing the Blade

---

### **! WARNING!**

BEFORE PERFORMING ANY MAINTENANCE PROCEDURE, STOP THE ENGINE AND DISCONNECT THE SPARK PLUG WIRE.

---

#### Tools and Supplies Needed:

- 15/16" wrench or socket
- Gloves
- 2" x 4" to brace the blade

1. Block the Blade with a piece of wood between the Blade and the skid on the chute side of the deck (*Figure 16*).
2. Remove the Blade Bolt (right-hand, regular thread) and washer.

---

### **! WARNING!**

USE CAUTION WHEN PUSHING OR PULLING THE WRENCH NEXT TO THE BLADE. WEAR GLOVES; IF THE WRENCH SLIPS OFF THE BOLT, YOU MAY BE SERIOUSLY INJURED.

---

3. Remove the blade.
4. Mount the new Blade, washer and Bolt.

**NOTE:** *Be sure the blade is seated completely over the small ridge in the spindle hub before tightening the Bolt.*



Figure 16

## Adjusting the Wheel Clutch

---

### **! WARNING!**

BEFORE PERFORMING ANY MAINTENANCE PROCEDURE, STOP THE ENGINE AND DISCONNECT THE SPARK PLUG WIRE.

---

**NOTE:** When properly adjusted, tension on the Wheel Clutch Lever should increase when the lever is about parallel to (almost touching) the Handlebar Grip.

#### Tools Needed:

- (2) 1/2" wrenches
1. Find the Wheel Clutch Adjuster on the Clutch Bracket on the underside of the machine (**Figure 17**).
  2. Loosen the Nut on the front (threaded) side of the Bracket by 1/8" to 1/4", and then tighten the Nut on the back against the Bracket. Check the tension on the Clutch Lever and repeat the adjustment as needed.

---

### **! CAUTION!**

IF THE CLUTCH IS OVER TIGHTENED, THE MACHINE MAY LURCH FORWARD WHEN SHIFTING INTO GEAR. USE CAUTION WHEN SHIFTING INTO GEAR. TEST ADJUSTMENT USING THE PROCEDURE ON PAGE 16.

---



Figure 17

## Removing and Replacing the Drive Chain

### **! WARNING!**

**BEFORE PERFORMING ANY MAINTENANCE PROCEDURE, STOP THE ENGINE AND DISCONNECT THE SPARK PLUG WIRE.**

#### Tools Needed:

- 1/2" wrench or socket (chain cover)
- 9/16" wrench or socket (shift lever)
- Flat-head screwdriver
- Needle Nose Pliers

1. Place the gearshift lever in (N) NEUTRAL and remove the Chain Cover by removing the Shift Lever attaching Nut, Shift Lever and then the two (2) Chain Cover Screws (**Figure 18**).
2. Locate (by rotating the drive sprocket) and remove the Master Chain Link (**Figure 19**). First remove the Lock Clip by spreading the clip with the screwdriver and at the same time, slide the Lock Clip back off the Master Link pins with the Needle Nose Pliers. Next, remove the Side Plate, and then remove the Master Chain Link.
3. Slowly feed the Chain out.
4. Install and route the new Chain (**Figure 20**).
5. Add the Master Chain Link (**Figure 19**) in the reverse order of step 2.
6. Replace the Chain Cover and tighten the Screws.
7. Replace the Shift Lever and tighten the Nut.



Figure 18

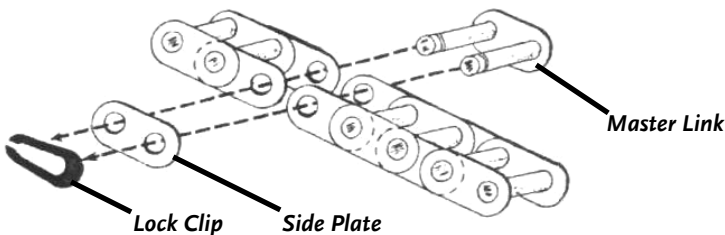


Figure 19

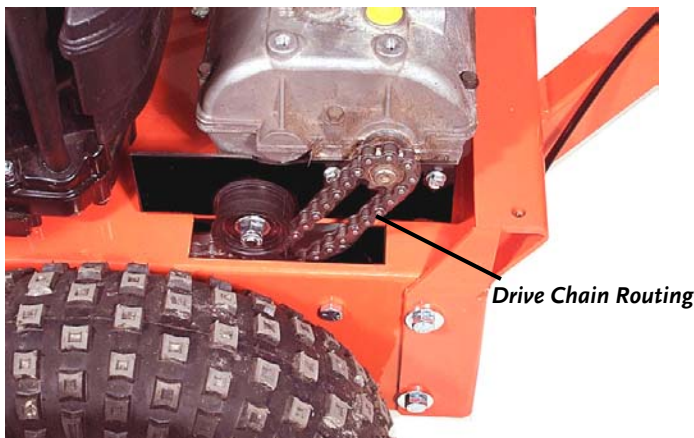


Figure 20



## Adjusting the Blade Engagement Cable

### **! WARNING!**

BEFORE PERFORMING ANY MAINTENANCE PROCEDURE, STOP THE ENGINE AND DISCONNECT THE SPARK PLUG WIRE.

**NOTE:** If the Blade won't cut, or seems to slip in heavy material, check the Blade Engagement Cable. When properly adjusted, tension on the Blade Engagement Lever should decrease when the Lever is about parallel to (almost touching) the Handlebar Grip.

### **! CAUTION!**

BE SURE THE BLADE ENGAGEMENT LEVER DOES NOT STAY IN THE ENGAGED POSITION WITHOUT THE OPERATOR HOLDING THE BLADE CLUTCH LEVER.

#### Tool Needed:

- 1/2" open end wrench

Under the machine, on the right hand side, there is a Bracket for adjusting the Blade Engagement Cable (**Figure 21**). To tighten the cable, loosen the Nut on the front (threaded) side of the Bracket by 1/8" to 1/4", and then tighten the Nut on the back against the Bracket. Check the tension on the Blade Lever and repeat the adjustment as needed.

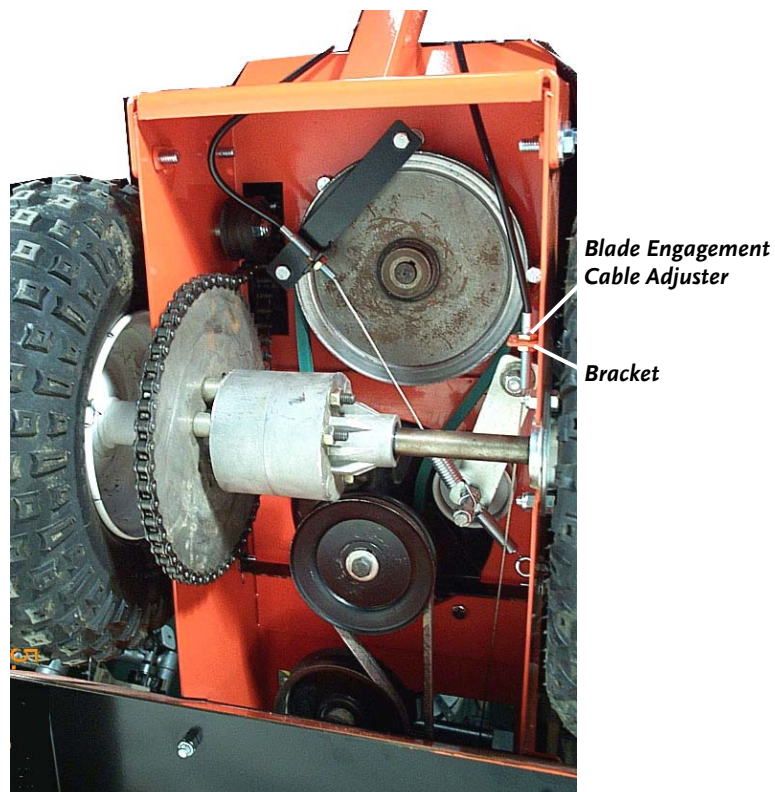


Figure 21

## Replacing the Blade Clutch Springs

### **! WARNING!**

**BEFORE PERFORMING ANY MAINTENANCE PROCEDURE, STOP THE ENGINE AND DISCONNECT THE SPARK PLUG WIRE.**

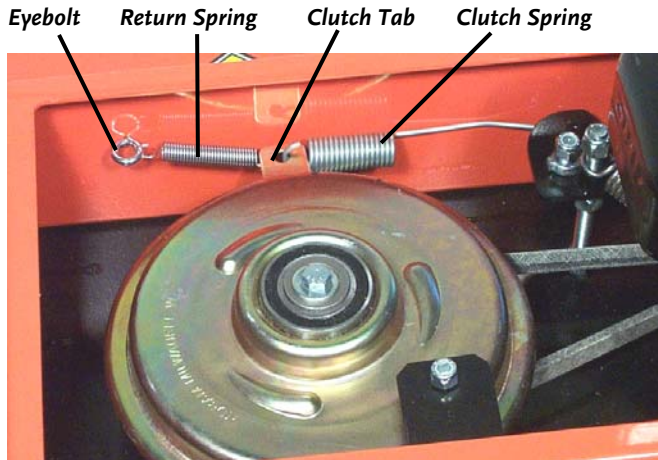


Figure 22



Figure 23

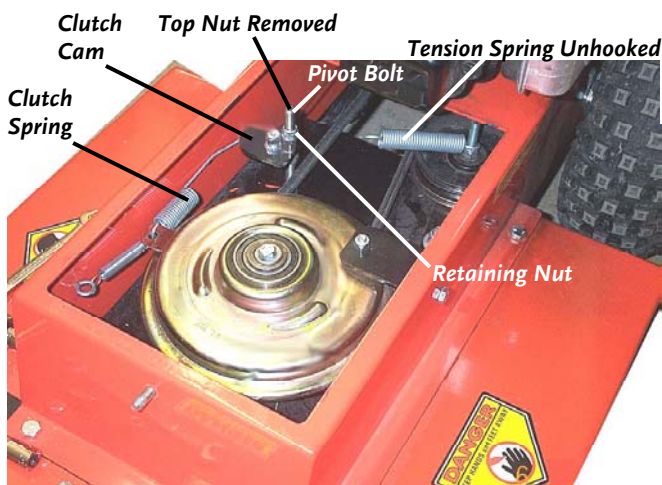


Figure 24

### Tools Needed:

- 1/2" open end wrench
- 9/16" wrench
- Gloves

Remove the Belt Guard by unscrewing the Knob, pull the Guard forward and lift to remove it (**Figure 11** on page 24).

### Return Spring:

1. Remove one end of the Return Spring from the Eyebolt on the machine frame (**Figure 22**).
2. Push the Clutch Tab toward the rear (clockwise) and unhook the Clutch Spring.
3. Unhook the Return Spring from the Clutch Spring beneath the Clutch Tab (**Figure 23**).
4. Install the new Return Spring by reversing the above procedure.

### Clutch Spring:

1. Remove the Return Spring as indicated above.
2. Remove the top Nut from the Clutch Cam Pivot Bolt (**Figure 24**).
3. With a gloved hand, remove the Idler Tension Spring from the Pivot Bolt by pulling the Spring toward the Bolt and lifting it off (**Figure 24**).
4. Remove the Clutch Cam Retaining Nut from the Clutch Cam Pivot Bolt and lift the Cam off the Pivot Bolt (**Figure 24**).
5. Remove the Clutch Spring Retaining Nut from beneath the Clutch Cam and remove the Clutch Spring from the Cam.
6. Install the new Clutch Spring by reversing the above procedure.
7. Replace the Belt Guard (**Figure 11** on page 24).

## Removing the Wheels

### **! WARNING!**

**BEFORE PERFORMING ANY MAINTENANCE PROCEDURE, STOP THE ENGINE AND DISCONNECT THE SPARK PLUG WIRE.**

#### Tool Needed:

- (2) 7/16" wrench or socket
1. Block the machine so the Wheel to be removed is off the ground.
  2. While holding the Shear Bolt Head (**Figure 25**) with one wrench, remove the Shear Bolt Nut with the other wrench.
  3. Remove the Shear Bolt and slide the Wheel off the axle (**Figure 25**).
  4. Replace the Wheel in the reverse order as above.

**NOTE:** Do not over tighten the Shear Bolt Nut when reinstalling the Wheel.



Figure 25

## End of Season and Storage



**BEFORE PERFORMING ANY MAINTENANCE PROCEDURE, STOP THE ENGINE AND DISCONNECT THE SPARK PLUG WIRE.**

---

*NOTE: Please refer to the Engine Owner's Manual for engine-specific procedures.*

- Change the oil (and oil filter, if applicable).
- Remove the spark plug and pour about 1 ounce of motor oil into the cylinder hole. Replace the plug and pull the recoil starter rope until you feel strong resistance. This will coat the piston and seat the valves to prevent moisture buildup.
- Clean/replace the air filters.
- Clean dirt and debris from the cylinder head cooling fins, blower housing, debris screen and muffler area of the engine.
- If your engine has a fuel filter, replace it.
- If your DR SCOUT FIELD and BRUSH MOWER will be idle for more than 30 days, we recommend using a gas stabilizer. This will prevent sediment from gumming up the carburetor. If there is dirt or moisture in the gas or tank, remove it by draining the tank. Completely fill the tank with fresh, unleaded gas and add the appropriate amount of stabilizer or gasoline additive. Run the engine for a short time to allow the additive to circulate.
- Remove any wrapped weeds from the Blade Bearing Housing. Clean grass and debris from the top and underneath the mower deck with a stiff brush.
- Check the Blade for nicks and wear. Remove the Blade and sharpen, or have it professionally sharpened if needed.
- Perform the lubrication as outlined on page 22.

# TROUBLESHOOTING

Most problems are easy to fix. Consult the Troubleshooting Table below for common problems and their solutions. If you continue to experience problems call Country Home Products, Inc. for support.

## Troubleshooting Table



**BEFORE PERFORMING ANY MAINTENANCE PROCEDURE, STOP THE ENGINE AND DISCONNECT THE SPARK PLUG WIRE.**

SYMPTOM	POSSIBLE CAUSE
<p><i>Recoil will not pull out or is difficult to pull.</i></p>	<ul style="list-style-type: none"> <li>⇒ Check that the Blade Control Lever is properly adjusted and in the released position.</li> <li>⇒ Check the engine oil level, the engine may be seized.</li> <li>⇒ There may be an oil compression lock in the cylinder. Take out the spark plug; hold a rag over the spark plug hole and pull the recoil cord several times to blow out any oil in the cylinder. Wipe off the spark plug and reinstall it.</li> <li>⇒ The recoil may be broken or jammed. Call <b>1 (800) DR-OWNER (376-9637)</b> for assistance.</li> </ul>
<p><i>The engine won't start.</i></p> <p><i>(Please refer to the Engine Owner's Manual for engine-specific procedures.)</i></p>	<ul style="list-style-type: none"> <li>⇒ Is the spark plug wire connected?</li> <li>⇒ Is the key in the START position?</li> <li>⇒ Are you using fresh, clean gas? If the gas is old, change it. Use a fuel stabilizer if you keep gas longer than one month.</li> <li>⇒ Check the Fuel Filter (if equipped) to see if it is clear. Place a can under the Fuel Filter and remove the fuel line from the engine side of the Filter. If gas flows freely, it's OK.</li> <li>⇒ Check the Throttle adjustment and travel.</li> <li>⇒ Is the Blade Engagement Control Lever in the down position and Shift Lever in NEUTRAL? They should be.</li> <li>⇒ Is the spark plug clean? If the spark plug is dirty or cracked, change it. If it's oily, leave it out, hold a rag over the plug hole and pull the recoil cord several times to blow out any oil in the cylinder, then wipe off the plug and reinsert it.</li> <li>⇒ If your engine still won't start, call <b>1 (800) DR-OWNER (376-9637)</b> for assistance.</li> </ul>

**! WARNING!**

**BEFORE PERFORMING ANY MAINTENANCE PROCEDURE, STOP THE ENGINE AND DISCONNECT THE SPARK PLUG WIRE.**

<b>SYMPTOM</b>	<b>POSSIBLE CAUSE</b>
<p><i>The engine lacks power or is not running smoothly.</i></p> <p><i>(Please refer to the Engine Owner's Manual for engine-specific procedures.)</i></p>	<ul style="list-style-type: none"> <li>⇒ Check the Throttle Lever travel and adjustment. Is the Throttle Lever in the Run position?</li> <li>⇒ Is the air filter clean? If it's dirty, change it following the procedure in the Engine Owner's Manual.</li> <li>⇒ Is the spark plug clean? If it's fouled or cracked, change it. If it's oily, leave it out, hold a rag over the plug hole and pull your recoil cord several times to blow out any oil in the cylinder, then wipe off the plug and reinsert it.</li> <li>⇒ Are you using fresh, clean unleaded gas? If it's old, change it. Use a fuel stabilizer if you keep gas longer than four weeks or so.</li> <li>⇒ Does your engine have the right amount of clean oil? If it's dirty, change it following the procedure on page 23.</li> <li>⇒ Check the oil level and adjust as needed.</li> <li>⇒ If your engine still lacks power, call <b>1 (800) DR-OWNER (376-9637)</b> for assistance.</li> </ul>
<p><i>Engine smokes.</i></p>	<ul style="list-style-type: none"> <li>⇒ Check the oil level and adjust as needed.</li> <li>⇒ You may be operating the machine on too great an incline. See Slopes on page 19.</li> <li>⇒ Check the air filter and clean or replace if needed.</li> <li>⇒ You may be using the wrong oil—too light for the temperature. Refer to your Engine Owner's Manual for detailed information.</li> <li>⇒ Clean the cooling fins if they're dirty.</li> <li>⇒ If the engine still smokes, call <b>1 (800) DR-OWNER (376-9637)</b> for assistance.</li> </ul>
<p><i>Machine is hard to get into reverse.</i></p>	<ul style="list-style-type: none"> <li>⇒ If you find it difficult to shift into reverse, lightly pull the Clutch Lever as you pull the Shift Lever into Reverse then quickly release the Clutch Lever; see page 20.</li> <li>⇒ If the difficulty persists, call <b>1 (800) DR-OWNER (376-9637)</b> for assistance.</li> </ul>
<p><i>The belt frays or rolls over the pulley.</i></p>	<ul style="list-style-type: none"> <li>⇒ A pulley groove may be nicked. Check the Belt for wear and hard spots. File off any nicks on the Pulley.</li> <li>⇒ The Belt may be stretched; replace it.</li> </ul>
<p><i>The cut material is not being properly discharged out of the right side of the machine.</i></p>	<ul style="list-style-type: none"> <li>⇒ The Discharge Chute may be blocked. Disengage the Blade, turn OFF the engine and disconnect the spark plug wire; then check for debris.</li> </ul>

**! WARNING!**

**BEFORE PERFORMING ANY MAINTENANCE PROCEDURE, STOP THE ENGINE AND DISCONNECT THE SPARK PLUG WIRE.**

<b>SYMPTOM</b>	<b>POSSIBLE CAUSE</b>
<i>Blade vibrates when engaged.</i>	<p>⇒ The blade may not be seated properly on the hub. Loosen the Blade Bolt, reset the Blade and tighten the Bolt. Be sure to turn OFF the engine and remove the spark plug wire before performing this operation.</p> <p>⇒ The spindle bearings may be bad. Call <b>1 (800) DR-OWNER (376-9637)</b> for assistance.</p>
<i>The blade is not cutting or is loose.</i>	<p>⇒ The Blade may not be seated properly on the hub. Loosen the Blade Bolt, reset the Blade and tighten the Bolt. Be sure to turn OFF the engine and remove the spark plug wire before performing this operation.</p> <p>⇒ Sharpen the Blade; it may be dull or nicked.</p>
<i>Wheels pulling left or right.</i>	<p>⇒ Check the tire pressure. There should be 14 psi in each tire.</p>

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**PARTS LISTS, SCHEMATIC DIAGRAMS AND WARRANTY**
**Parts List - Handlebar Assembly**

*NOTE: Part numbers listed are available through Country Home Products, Inc.*

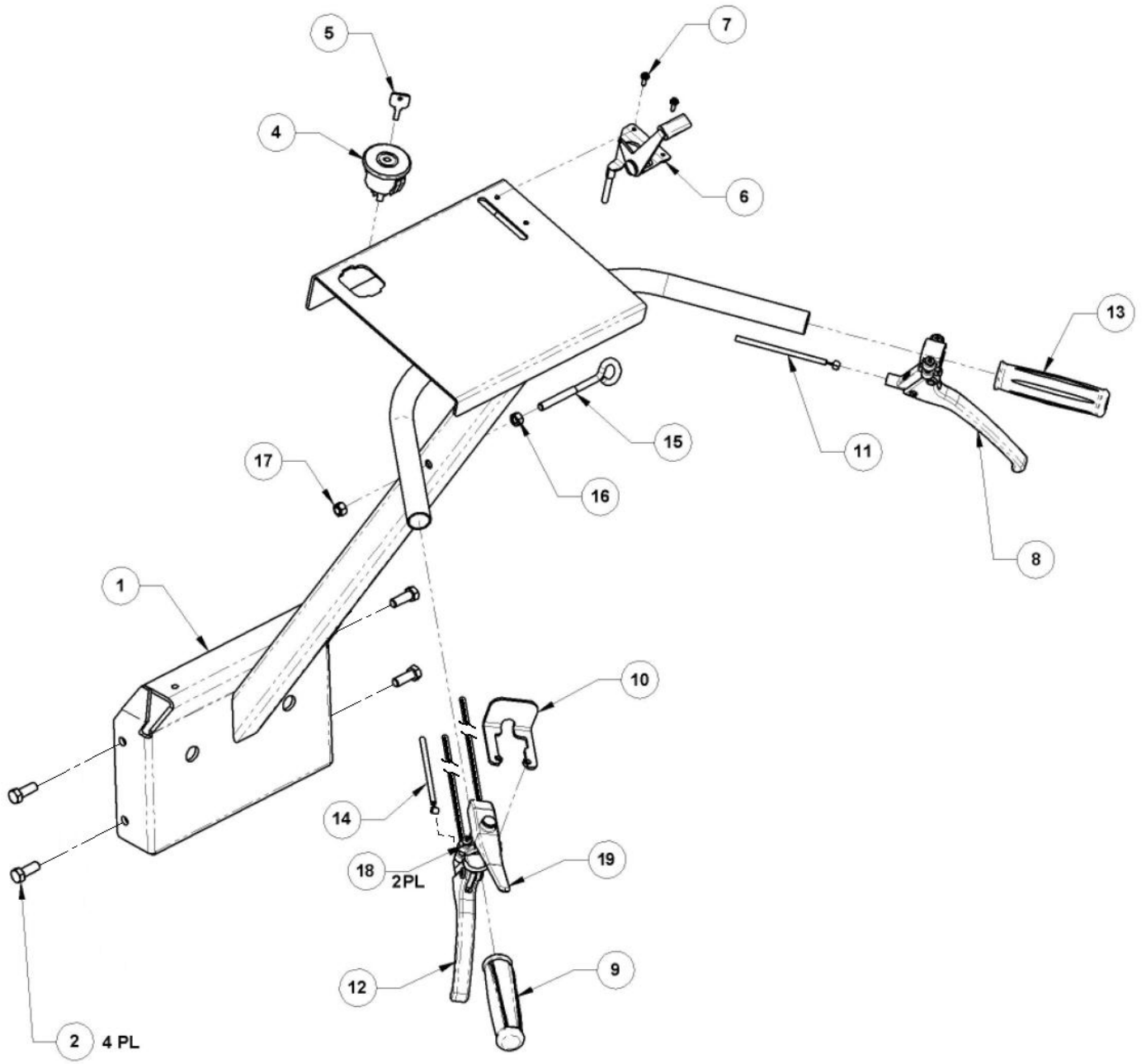
<u>Ref#</u>	<u>Part#</u>	<u>Description</u>	<u>Safety and Information Labels</u>	
01	165361	Handlebar Assy w/Control Panel	162651	Label, Control Panel, F/B Scout
02	120301	Screw, 3/8"-16 x 1-1/2", Tri-Lobe	179111	Label, Deck, F/B Scout
03	Deleted		173351	Label, Gear Shift, F/B Scout
04	165201	Switch, Snap-In	179251	Label, Shift Lever, F/B Scout
05	157201	Key, AT2 Ignition Switch	124371	Label, American Flag
06	139051	Cable, Throttle, 50"	127811	Label, Warning, Add Oil
07	150491	Screw, 8-32 x 1/2"	136491	Label, Danger
08	165171	Lever, Wheel Clutch, 1"	136831	Label, Caution Hot Surface
09	164951	Grip, Handlebar, Ergonomic, 1"	137581	Label, Check Oil
10	164971	Guard, Switch	148231	Label, Safety Icons
11	175381	Cable, Traction Drive,		
12	180951	Lever, Blade Engage, w/ Switch and Harness Adapter		
13	164961	Grip, Handlebar, Plain, 1"		
14	178991	Cable, Blade Engage, F/B Scout		
15	109161	Bolt, Eye		
16	110691	Nut, 5/16"-18		
17	110761	Nut, Nylon Lock, 5/16"-18		
18	179231	Screw, M6 x 25mm		
19	181731	Operator Presence, w/Switch and Harness adapter		

**Items Not Illustrated**

193591	Assembly and Operation Manual, F/B Scout
152131	Engine Manual, B&S, All Intek
180941	Wire Harness, B&S
112141	Cable Tie, 7-1/2", black



# Schematic - Handlebar Assembly



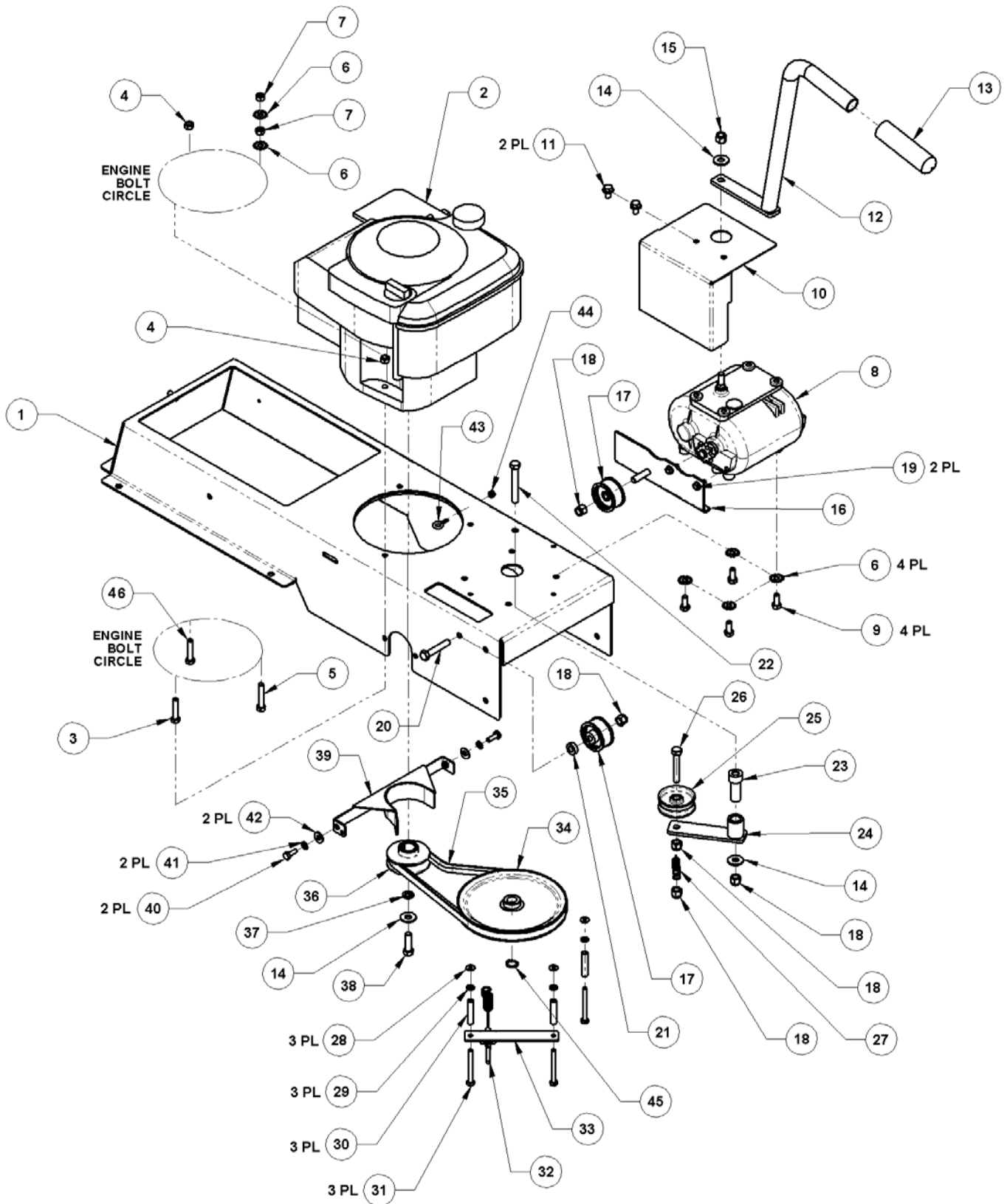
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## Parts List - Frame and Drive Assembly

**NOTE:** Part numbers listed are available through Country Home Products, Inc.

Ref#	Part#	Description	Ref#	Part#	Description
01	165341	Frame, Main, w/Engine Plate	37	165151	Washer, .385" ID x .691" OD
02	174641	Engine, 7.0 HP, B&S	38	165131	Bolt, 3/8"-24 x 1-1/4" GR 8
03	111591	Bolt, 5/16"-18 x 2-1/2" HCS	39	165431	Guide, Engine Belt, F/B Scout
04	110761	Nut, Nylon Lock, 5/16"-18	40	119831	Bolt, 1/4"-20 x 3/4" HCS
05	150451	Bolt, 5/16"-18 x 1-3/4" HCS	41	112481	Washer, Lock, 1/4"
06	112501	Washer, Lock, 5/16"	42	112381	Washer, Flat 1/4"
07	110691	Nut, 5/16"-18	43	175521	Bolt, Eye 10-24
08	175421	Transmission, 3 Fwd. and 1 Rev.	44	118731	Nut, Nylon Lock, 10-24
09	123211	Bolt, 5/16"-18 x 3/4" HCS	45	111241	Ring, Retaining, 5/8", Type SH
10	165421	Cover, Transmission, F/B Scout	46	134431	Bolt, 5/16"-18 x 1-1/2" HCS
11	111731	Screw, 5/16"-18 x 1/2", Tri-Lobe			
12	172721	Lever, Shift, F/B Scout			
13	150471	Grip, 1" OD Tube, 4.25" L			
14	165141	Washer, Flat, .385" ID x 1.390" OD			
15	150771	Nut, Nylon Lock, 3/8"-24			
16	172731	Plate, Chain Adjuster			
17	150481	Pulley, Flat Idler, 1-7/8" OD			
18	110751	Nut, Nylon Lock, 3/8"-16			
19	165491	Screw, 1/4"-20 x 5/8", Self-Tapping			
20	126861	Bolt, 3/8"-16 x 2" HCS			
21	112391	Washer, Flat 3/8" USS			
22	123371	Bolt, 3/8"-16 x 2-3/4" HCS			
23	173371	Bushing, Traction Drive Idler			
24	150611	Idler Arm, Traction Drive			
25	113071	Pulley, Flat Idler, 2-1/4"			
26	157121	Bolt, 3/8"-16 x 2-1/4" HCS			
27	150501	Spring, e, .438" OD x .045" wire			
28	112371	Washer, Flat, 10-24 USS			
29	101811	Washer, Lock, 1/4"			
30	173331	Guide, Belt, Trans Pulley			
31	111461	Bolt, 1/4"-20 x 2-1/2" HCS			
32	175381	Cable, Traction Drive			
33	165391	Anchor, Wheel Drive Cable			
34	173321	Pulley, V-belt, 7", F/B Scout			
35	150061	Belt, A31K, 1/2" x 33"			
36	175601	Pulley, Trans Drive, 2-3/4"			

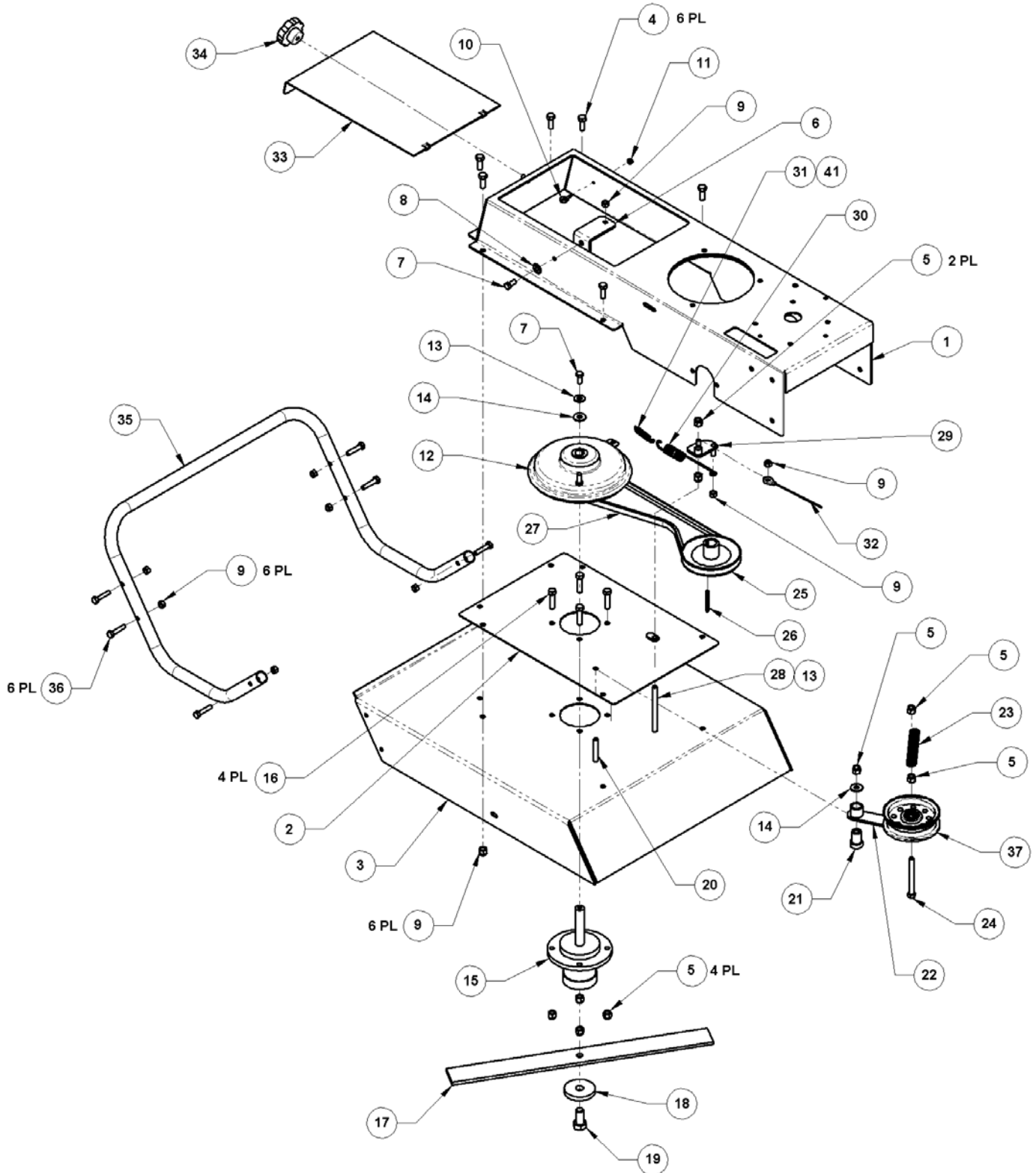
# Schematic - Frame and Drive Assembly



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# Schematic - Brush Deck Assembly



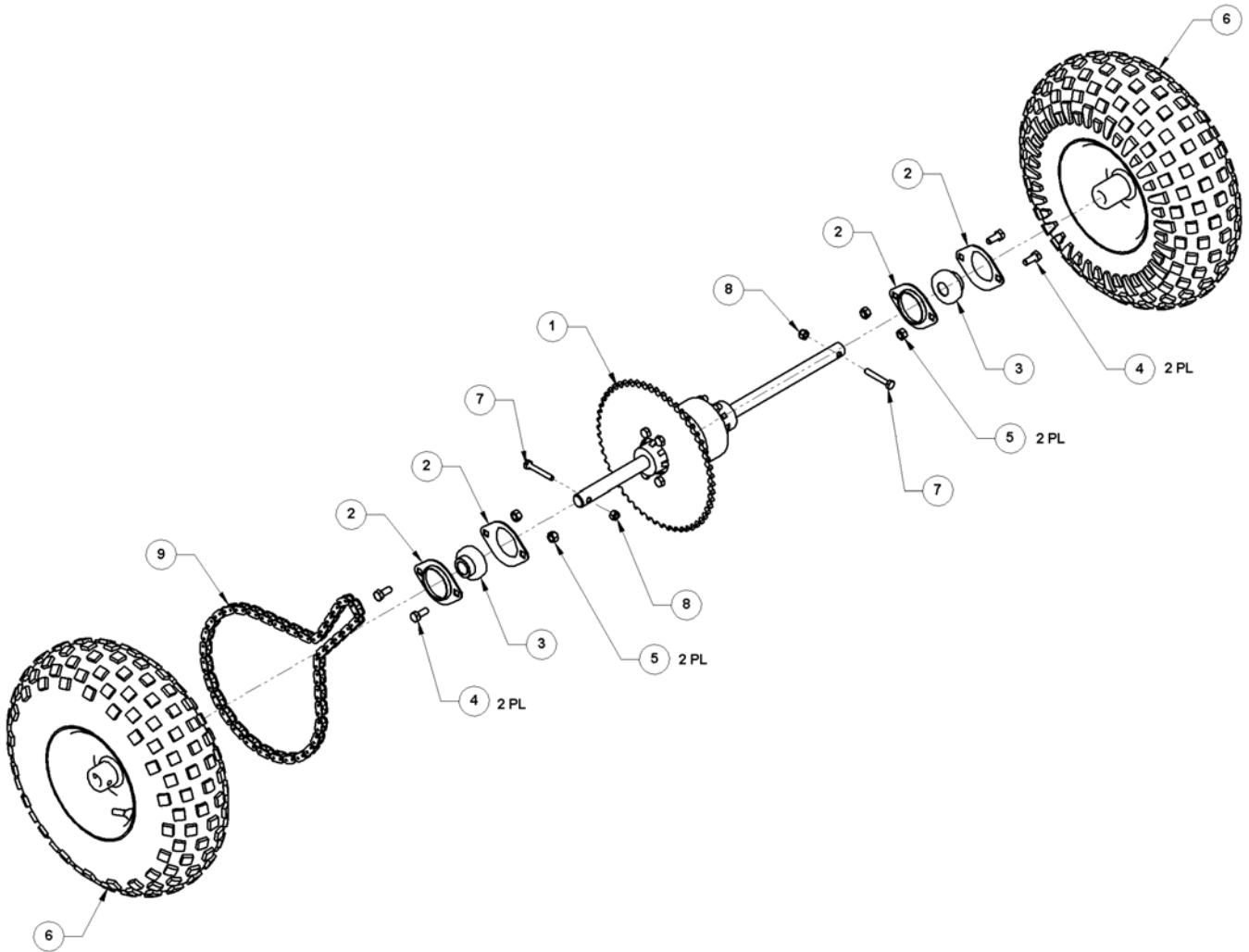
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## **Parts List - Differential and Wheel Assembly**

**NOTE:** Part numbers listed are available through Country Home Products, Inc.

<b>Ref#</b>	<b>Part#</b>	<b>Description</b>
01	180171	Differential, 700-268
02	108921	Flange, Ball Bearing, 2-hole
03	152171	Bearing, Ball, 3/4" Bore
04	123211	Bolt, 5/16"-18 x 3/4" HCS
05	110761	Nut, Nylon Lock, 5/16"-18
06	175431	Wheel, 14.5" x 7-6 2ply, F/B Scout
07	111481	Bolt, 1/4"-20 x 1-3/4" HCS
08	110731	Nut, Nylon Lock, 1/4"-20
09	180151	Chain, #40, 77 Link w/ML

# Schematic - Differential and Wheel Assembly



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**NOTES:**



# DR<sup>®</sup> SCOUT™ FIELD and BRUSH MOWER



## 2-Year Limited Warranty

### Terms and Conditions

The DR<sup>®</sup> SCOUT™ FIELD and BRUSH MOWER is warranted for two (2) years against defects in materials or workmanship when put to ordinary and normal consumer use; ninety (90) days for any other use. The engine manufacturer warrants the engine separately.

For the purposes of all the above warranties, "ordinary and normal consumer use" refers to non-commercial residential use and does not include misuse, accidents or damage due to inadequate maintenance.

Country Home Products, Inc. (home of DR<sup>®</sup> Power Equipment) certifies that the DR<sup>®</sup> SCOUT™ FIELD and BRUSH MOWER is fit for ordinary purposes for which a product of this type is used. Country Home Products, Inc. however, limits the implied warranties of merchantability and fitness in duration to a period of two (2) years in consumer use, ninety (90) days for any other use.

The 2-Year Limited Warranty on the DR<sup>®</sup> SCOUT™ FIELD and BRUSH MOWER starts on the date the machine ships from our factory. The 2-Year Limited Warranty is applicable only to the original owner.

The warranty holder is responsible for the performance of the required maintenance as defined by the manufacturer's owner's manuals. The warranty holder is responsible for replacement of normally wearing parts such as the drive belts, bearings, debris shield, blade, tires, and spark plug. Attachments and accessories to the machine are not covered by this warranty.

During the warranty period, the warranty holder is responsible for the machine transportation charges, if required. During the warranty period, warranty parts will be shipped by standard method at no charge to the warranty holder. Expedited shipping of warranty parts is the responsibility of the warranty holder.

SOME STATES DO NOT ALLOW LIMITATIONS ON THE LENGTH OF IMPLIED WARRANTIES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

Country Home Products, Inc. shall not be liable under any circumstances for any **incidental or consequential damages or expenses** of any kind, including, but not limited to, cost of equipment rentals, loss of profit, or cost of hiring services to perform tasks normally performed by the DR<sup>®</sup> SCOUT™ FIELD and BRUSH MOWER.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

### Customer Service Hotline

Country Home Products, Inc.'s objective is to have 100% satisfied customers. For that reason, we operate a 6-day-a-week Technical Service Department for our Owners. You can access a Representative by dialing our TOLL-FREE Hotline at **1-800-DR-OWNER (376-9637)**. The sole job of our well-trained and friendly folks is to ensure that you get any help you need in a timely fashion. They are there to answer all your questions including: (1) inquiries on any of the above warranties, (2) inquiries about replacement parts, or (3) your questions regarding service, maintenance and operation.

Our Customer Service Representatives will also be happy to answer any of your questions regarding the separate warranties on all engines. However, to obtain service, repair or replacement of any engine within the time period covered by the manufacturer's limited warranty, follow the instructions and warranty information specifically pertaining to those items provided by their separate manufacturers.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

## ***Daily Checklist for the DR SCOUT FIELD and BRUSH MOWER***

To help maintain your DR SCOUT FIELD and BRUSH MOWER for optimum performance, we recommend you follow this checklist each time you use your machine.

- [ ] OIL: With the machine on a level surface, check the engine oil level with the dipstick and add more if necessary (only add oil to the level indicated on the dipstick - DO NOT OVERFILL). Use SAE 30 high detergent motor oil.
- [ ] GAS: Fill the gas tank with clean, fresh, unleaded gasoline.
- [ ] ENGINE AIR COOLING SYSTEM: It is very important to keep the engine clean of debris. Remove grass and other built-up materials from the air intake screen before, during and after you mow. Regularly remove debris from the blower housing and cooling fins. A dirty engine retains heat and can cause damage to the internal engine parts.
- [ ] BELTS: Check the belts for wear, proper alignment and tension.
- [ ] BLADE: Check the blade for tightness, nicks and wear. Remove any wrapped weeds and grass from the blade bearing housing to prevent buildup.
- [ ] GENERAL CONDITION: Check the general condition of the machine, e.g.; nuts, bolts, welds etc.



COUNTRY HOME PRODUCTS, Inc.

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**MEIGS ROAD, P.O. BOX 25, VERGENNES, VERMONT 05491**

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