

Save this booklet
**PLEASE READ THIS BOOKLET BEFORE
OPERATION**

SUPERSHEAR

A CUT ABOVE THE REST



12 VOLT DC ELECTRIC SHEAR
SERIAL NUMBER _____
PURCHASE DATE _____

12 VOLT

- TIP UNIT BACK SO TANK IS HORIZONTAL AND VENT IS FACING UP. REMOVE VENT
- FILL HYDRAULIC RESERVOIR WITH APPROXIMATELY 1.0 GALLONS *OF A MID GRADE HYDRAULIC OIL, AW32 CAN BE PURCHASED AT "CHECKER AUTO PARTS"*. LEVEL SHOULD BE ABOUT 1-1.5 INCHES FROM THE TOP OF THE FILL HOLE. BECAUSE WE TEST THE UNIT AFTER ASSEMBLY, THIS AMOUNT MAY BE LESS. TIP UNIT BACK TO HORIZONTAL POSITION. FILLING MAY REQUIRE A TRIAL AND ERROR APPROACH TO AVOID SPILLAGE ALLOW FOR EXPANSION AS THE FLUID VOLUME WILL RISE DURING USE.
- MOUNT MARINE TYPE, DEEP CYCLE BATTERY IN LOWER BATTERY HOLDER. POSITIVE TERMINAL SHOULD BE AWAY FROM FRAME TO AVOID A SHORT IF MACHINE ACCIDENTALLY TIPS. CONNECT THE POSITIVE TERMINAL TO THE MOTOR, THE NEGATIVE IS GROUNDED TO THE PUMP HOUSING.
- BE SURE TO KEEP BATTERY CHARGED FOR MAXIMUM PERFORMANCE FAILURE TO DO SO WILL RESULT IN COMPONENT FAILURE AND VOID WARRANTY ON THOSE PARTS.

OPERATION OF CUTTING HEAD

Operation of the Supershear Cutting head is both simple yet dangerous. We've designed the operation with the intent that only one worker use the head to prevent accidental injury.

Because the 12 volt shear is on demand, lift the cutting head using the rubber two switch handle and the mainframe handle that is connected to the cylinder. The worker should always have these two components in hand to prevent accidentally injury.

Place the Mainframe over the exhaust pipe to be cut. The cutting blade should be at it lowest point to allow the Mainframe to slide easily over or under, if you are working on the ground, the exhaust pipe. Find a location that will allow the head to cut as close to a 90 degree angle to avoid twisting as the blade enters the material. With the "up" button on the switch handle, slowly engage the cutting blade into the exhaust. Once it is established that the blade will enter at the 90 degree angle or close to it proceed in cutting through the pipe by pushing the "up" button until the pipe is completely cut through.

Once the blade is complete through the pipe, push the "down" button on the switch handle. This will hydraulically remove the cutting blade from the new cut. Once the blade has retracted to it's lowest position the shear head will become weighted again as it isn't resting on the cut pipe, so be alert to the weight.

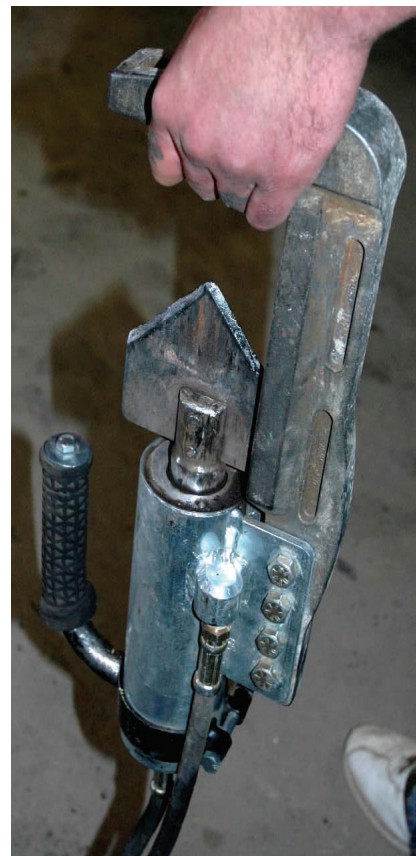
Repeat this procedure for all cuts. Always work by yourself to avoid injury

SAFETY/SEGURIDAD



**CARRY THE SHEAR HEAD BY THE
HANDLE TO AVOID INJURY**

**-LLEVE LA CABEZA DEL ESQUILEO (TIJERA) POR LOS
MANGOS PARA EVITAR LESIÓN**



**NEVER CARRY SHEAR HEAD IN THE ABOVE MANNER.
SERIOUS INJURY CAN OCCUR**

**NUNCA LLEVE LA CABEZA DEL ESQUILEO DE LA MANERA
DESCRITA. LESIÓN SERIA PUEDE OCURRIR**

SAFETY

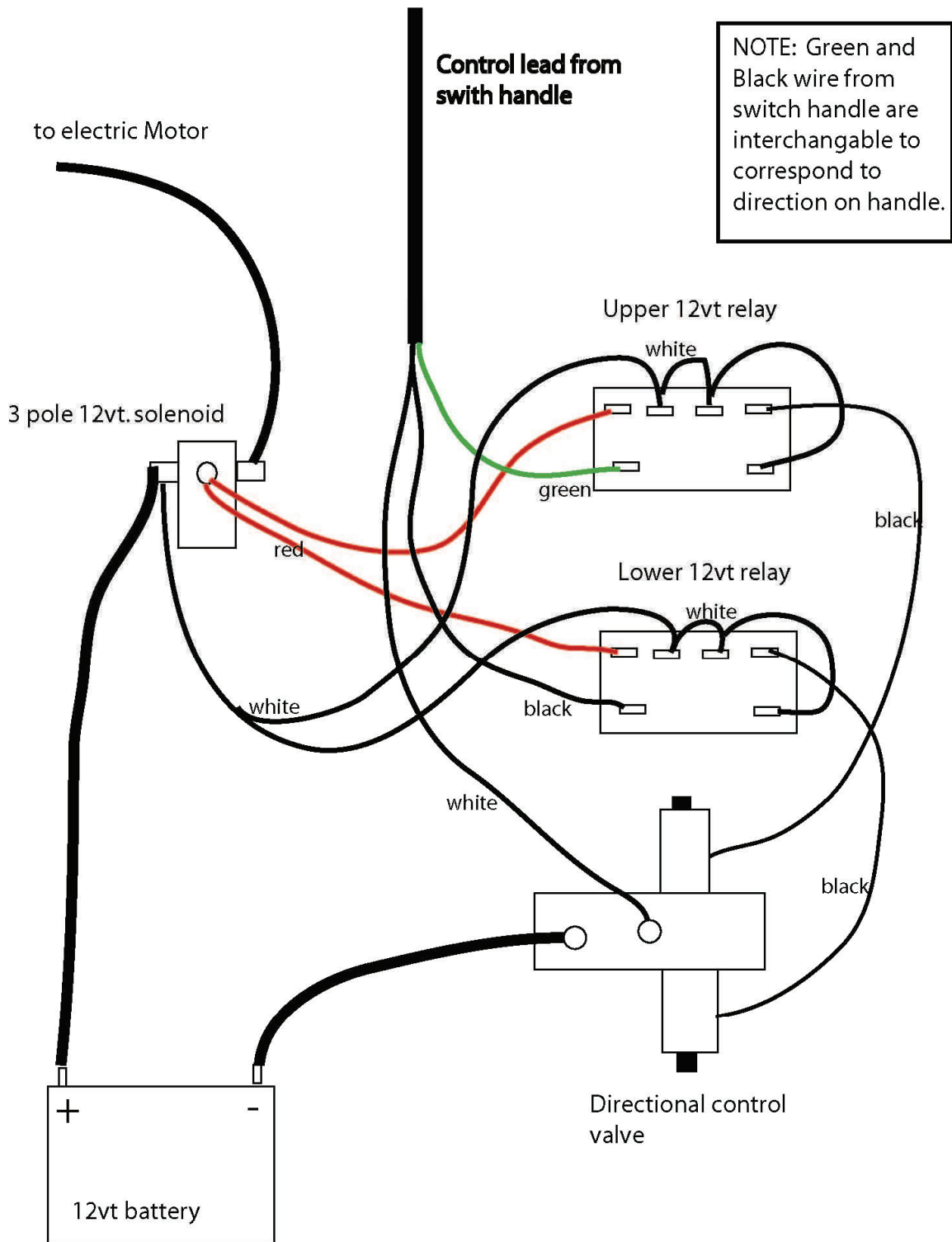
SEGURIDAD

- ALWAYS WEAR EYE PROTECTION
- AVOID LOOSE FITTING SHIRT SLEEVES
- WEAR PROTECTIVE GLOVES, THE CUT END OF PIPE WILL BE SHARP
- HYDRAULIC FLUID UNDER PRESSURE CAN CUT EXPOSED SKIN

REPAIR ALL HOSE LEAKS IMMEDIATELY

- REMOVE BATTERY CONNECTION DURING ANY ELECTRICAL REPAIR

- **SIEMPRE USE PROTECCIÓN DE OJO**
- **EVITE LAS MANGAS FLOJAS DE LA CAMISA**
- **USE LOS GUANTES PROTECTORES, EL CORTE DE LA PIPA ESTARA AFILADO.**
- **EL LÍQUIDO HIDRÁULICO BAJO PRESIÓN PUEDE CORTAR LA PIEL EXPUESTA**
- **REPARE TODOS LOS ESCAPES DE LA MANGUERA INMEDIATAMENTE**
- **DESENCHUFE EL ESQUILEO (LA MAQUINA DE TIJERA) MIENTRAS QUE HACE CUALESQUIERA Y TODAS LAS REPARACIONES.**
- **TENGA CUIDADO AL REPARAR LOS COMPONENTES ELÉCTRICOS EN LA CAJA DE ELÉCTRICIDAD**



Complete wiring diagram 12vt.

WARRANTY INFORMATION

Although the Supershear is thoroughly tested before it leaves our assembly plant, problems due happen beyond our control on those parts we purchase from outside vendors. Each of these vendors extends to us a limited liability for replacement of defective parts. We extend that limited liability onto you and will repair or replace, at our discretion any parts covered under the vendor warranties.

The list below covers parts for 1 year from delivery of the Supershear unit.

Parts Covered are as follows:

110/220 Electric Motors
All Electrical Components in Electric Panel
(Diode, Transformer, Starter Switch, On/Off Switch)
Hydraulic Pump Assembly (12 Volt and 110/220 units)
Hose Crimps if leak from a bad crimp
Honda Gas Motors and its parts
Manifold, Pressure Relief, DO-3 Valve
Gas Hydraulic Pump and Couplings
Small Cylinder
12 volt relays (not due to damage)
12 volt starter solenoid (not due to damage)

Parts NOT covered are as follows:

Blades
Mainframes
Hose leaks from other than crimps unless it's a defective hose.
Tires and Tubes
Damage due to misuse or act of God or on site accident beyond our control

Although the list is complete, you may have questions concerning what is and what is not covered. Please feel free to contact our sales staff at anytime to discuss these issues.

Company Office
Supershear LLC
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Mesa AZ 85209

Plant
Supershear LLC
6056 East Baseline
#149
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Sales, Parts, Repair
(800) 999-8100

Web
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Reprints of this manual available at:
<http://www.supershear.net>