



SUPERSHEAR



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

GAS SHEAR

- INSTALL A 12 VOLT MOTORCYCLE SIZE BATTERY. BASE SIZE 4.5 X 7 INCHES. THE POSITIVE TERMINAL NEEDS TO BE ON THE RIGHT SIDE (OPERATOR FACING MACHINE) AND NEXT TO THE ENGINE. THE POSITIVE CABLE GOES DIRECTLY TO THE STARTER NEGATIVE WILL BE TO GROUND.
- CRANKCASE MOTOR OIL SHOULD BE FULL FROM TESTING THE MACHINE BEFORE SHIPPING. CHECK THE LEVEL AND ADD *10W-30 API SJ OR SL GRADE IF NECESSARY*. CHECK THIS LEVEL DAILY BEFORE OPERATING THE SHEAR.
- FILL THE HYDRAULIC RESERVOIR (UNDER 9 HP MOTOR) WITH *A MID GRADE HYDRAULIC FLUID. AW 32 CAN BE FOUND AT "CHECKER AUTO PARTS". ATF CAN BE SUBSTITUTED IF NECESSARY ALTHOUGH NOT RECOMMENDED*. IT WILL REQUIRE APPROXIMATELY 3.0 GALLONS OF FLUID. BECAUSE WE TEST THE UNIT AFTER ASSEMBLY, THIS AMOUNT MAY BE LESS. AFTER SEVERAL CYCLES OF THE CUTTING HEAD RE-CHECK THIS LEVEL.
- FILL THE GAS TANK WITH REGULAR UNLEADED FUEL. AVOID FUEL FROM RECYCLED AUTOS AS GAS TURNS SOUR AND WILL EFFECT THE PERFORMANCE OF THE SHEAR.
- TURN FUEL COCK ON (UNDER TANK) BEFORE STARTING TURN OFF WHEN NOT IN USE.

- CHOKE LEVER IS ABOVE THE GAS SHUT OFF. THROTTLE IS ABOVE BOTH. ADJUST THROTTLE TO MIDDLE, MOVE CHOKE LEVER TO CHOKE, TURN START SWITCH AND CRANK ENGINE. IT SHOULD START QUICKLY. RELEASE CHOKE AFTER SHORT WARM UP TO AVOID FLOODING. THE HONDA ENGINE RUNS WITH A GOVERNOR, IT CUTS BEST AT FULL THROTTLE, BUT CAN BE BROUGHT BACK TO IDLE IN-BETWEEN CUTS.



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.

After starting the gas engine, 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

- 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
 - REPAIR FUEL LEAKS TO AVOID FIRE
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- **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**

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**

BLADE CHANGING

TO SAFELY REPLACE THE BLADE IN THE SUPERSHEAR HEAD:

1. DISCONNECT THE POWER. UNPLUG THE SHEAR, REMOVE THE BATTERY TERMINAL.
2. REMOVE THE TWO ALLEN HEAD BOLTS THAT SECURE THE BLADE INTO THE CYLINDER SHAFT.
3. SLIDE THE BLADE OUT OF THE TOP OF THE MAINFRAME. THERE MAY BE SMALL PIECES OF METAL IN THE END, THEY WILL POP OUT OF THE WAY.
4. SLIDE THE NEW BLADE INTO THE T-SLOT IN THE MAINFRAME, ALIGN THE BOL HOLES AND INSTALL NEW BOLTS.
5. IF THE BOLTS DO NOT ALIGN PROPERLY, REMOVE THE MAINFRAME BOLTS AND INSTALL THE BLADE FIRST, THEN REINSTALL THE MAINFRAME. YOU DO NOT WANT TO CROSS THREAD THE BOLTS!
6. TIGHTEN THE BOLTS

WARRANTY INFORMATION

Although the Supershear is thoroughly tested before it leaves our assembly plant, problems do 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
6910 East Lobo Ave
Mesa AZ 85209

Plant
Supershear LLC
7235 East Hampton
#107
Mesa AZ 85209

Sales, Parts, Repair
(800) 999-8100

Web
<http://www.supershears.com>

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Please request via email
LMSUPERSHEARS@OUTLOOK.COM