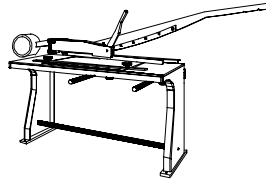


THE CMF-16 LEVER SHEAR

OWNER'S MANUAL

V.04/27/98



THE MACHINE COMES IN TWO CRATES.
THE LARGER CRATE CONTAINS THE MAIN BODY OF THE MACHINE AND THE COUNTERWEIGHT.
THE LONG, THIN CRATE CONTAINS THE LEVER.

CONFIRM BOTH CRATES HAVE THE SAME MACHINE SERIAL NUMBERS !

FOLLOWING THE MACHINE SERIAL NUMBER, THE "MAIN BODY" CRATE WILL HAVE THE LETTER "A" AND THE "LEVER" CRATE WILL HAVE THE LETTER "B". FOR EXAMPLE:
FOR MACHINE No. 14325, YOU SHOULD HAVE RECEIVED A LARGE CRATE LABELED "14325-A" CONTAINING THE MAIN BODY OF THE MACHINE, AND A LONG, THIN CRATE LABELED "14325-B" CONTAINING THE LEVER OF THE MACHINE.

IF YOU RECEIVED CRATES WITH DIFFERENT MACHINE SERIAL NUMBERS PLEASE INFORM US BEFORE CONTINUING !.

CALL US AT (305) 957-1503 OR SEND A FAX TO (305) 957-1516.

UNPACKING THE MAIN BODY:

MAKE SURE THE "ARROWS" ON THE "MAIN BODY CRATE" ARE POINTING UP.

REMOVE THE SIDES AND TOP OF THE CRATE.

ON THE RIGHT SIDE OF THE MAIN BODY YOU WILL NOTICE A SHARP, STRAIGHT BLADE CAPABLE OF CUTTING STEEL, AND OTHER MATERIALS.
DO NOT TOUCH THE CUTTING BLADE WITH ANY PART OF YOUR BODY.

THE MACHINE MUST BE LEVELED IN ORDER TO WORK PROPERLY.

IF YOU REMOVE THE MACHINE FROM ITS WOODEN BASE, YOU MUST ALSO **ANCHOR** IT (LEVELED) TO THE FLOOR.

UNPACKING THE LEVER:

OPEN THE CRATE CONTAINING THE LEVER.

THE LEVER CONTAINS A SHARP, CURVED BLADE CAPABLE OF CUTTING STEEL, AND OTHER MATERIALS.
DO NOT TOUCH THE CUTTING BLADE WITH ANY PART OF YOUR BODY.

AT THE END OF THE PIVOT SHAFT YOU WILL FIND A NUT AND A LARGE WASHER. REMOVE THE NUT AND WASHER FROM THE PIVOT SHAFT.

CAREFULLY SLIDE THE LEVER ONTO THE PIVOT SHAFT ON THE MACHINE, MAKING SURE THE CURVED BLADE DOES NOT TOUCH **ANYTHING**, SINCE IT MAY SUFFER DAMAGES.

PLACE THE LARGE WASHER ONTO THE SHAFT, WITH THE CHAMFER ON THE WASHER FACING AWAY FROM THE LEVER. MAKE SURE THE SLOT ON THE WASHER ALIGNS WITH THE GUIDE ON THE SHAFT.

INSTALL THE NUT. FINGER TIGHTEN THE NUT AGAINST THE WASHER.

USE A GREASE GUN TO INJECT GREASE INTO THE GREASE FITTING AT THE TIP OF THE PIVOT SHAFT.

INSTALL THE COUNTERWEIGHT, **PROPERLY ORIENTED** (REFER TO THE ASSEMBLY SCHEMATIC).

THE RECTANGULAR SLOT IN THE COUNTERWEIGHT IS NOT LOCATED IN ITS CENTER.

IF THE COUNTERWEIGHT IS NOT INSTALLED WITH ITS PROPER ORIENTATION, THE USER WILL NOT BE ABLE TO CUT A LONG PIECE OF SHEET METAL, SINCE IT WOULD INTERFERE WITH THE COUNTERWEIGHT AS IT GOES PAST THE MACHINE.

CONTINUED....

YOU MAY SLIDE THE COUNTERWEIGHT ALONG THE AFT PORTION OF THE LEVER UNTIL YOU HAVE "BALANCED" THE LEVER TO YOUR LIKING. FOR SAFETY REASONS, WE RECOMMEND THE LEVER SHOULD BE BALANCED. IN OTHER WORDS, IT DOES NOT ROTATE UP, OR DOWN, BY ITSELF. ONCE YOU HAVE DETERMINED THE PROPER BALANCE FOR THE LEVER, TIGHTEN THE FASTENER ON THE COUNTERWEIGHT.

THE MACHINE IS NOW ASSEMBLED.

USE THE LEVER NUT TO **ADJUST** THE "FIT" BETWEEN THE CURVED BLADE ON THE LEVER AGAINST THE STRAIGHT BLADE ON THE MAIN BODY. IF YOU CAN CUT A PIECE OF PAPER WITH THE LEVER SHEAR, IT IS PROPERLY ADJUSTED. IF IT TENDS TO BEND THE PAPER, TIGHTEN THE LEVER NUT SLIGHTLY. IF YOU FEEL THERE IS TOO MUCH FRICTION BETWEEN THE TWO BLADES, LOOSEN THE LEVER NUT SLIGHTLY.

IMPORTANT:

NEVER TRY TO MOVE THE MACHINE BY PULLING/PUSHING SIDEWAYS ON THE LEVER !.

THE WORK HOLD-DOWN:

THE WORK HOLD-DOWN IS USED TO KEEP THE MATERIAL STEADY DURING THE CUTTING CYCLE. WHEN YOU ROTATE THE HOLD-DOWN LEVER, THE HOLD-DOWN BASE LOWERS AND PRESSES THE MATERIAL AGAINST THE TABLE. USE THE SMALL NUT LOCATED ON THE HOLD-DOWN, TO DETERMINE HOW MUCH PRESSURE YOU WANT TO EXERT ON THE MATERIAL. IF YOU CHANGE MATERIAL THICKNESS (GAUGE), YOU MIGHT HAVE TO MAKE A SMALL ADJUSTMENT TO THIS SMALL NUT, SINCE THE DISTANCE BETWEEN THE HOLD-DOWN BASE AND THE MATERIAL TO BE CUT HAS CHANGED.

FOR EXAMPLE, IF YOU HAD YOUR HOLD-DOWN SET TO CUT 24 GAUGE SHEET METAL, AND NOW YOU NEED TO CUT 20 GAUGE, YOU SHOULD SLIGHTLY LOOSEN THE NUT ON THE HOLD-DOWN, OTHERWISE, YOU MAY BE EXERTING TOO MUCH PRESSURE ON THE MATERIAL.

CONVERSELY, IF YOU HAD THE HOLD-DOWN SET TO CUT 20 GAUGE SHEET METAL, AND NOW YOU NEED TO CUT 24 GAUGE, YOU SHOULD SLIGHTLY TIGHTEN THE HOLD-DOWN NUT SO THAT IT EXERTS THE PROPER PRESSURE ON THE MATERIAL.

CUTTING GUIDES:

THE MACHINE COMES WITH 2 STANDARD GUIDES. THE "TABLE-TOP GUIDE" IS LOCATED ON THE TABLE. THE "LATERAL GUIDE" SLIDES IN/OUT OF THE SIDE OF THE TABLE, NEXT TO THE LEVER.

USE EITHER GUIDE TO DETERMINE THE WIDTH OF THE STRIP YOU WANT TO CUT. YOU MAY ALSO PLACE THE GUIDES AT AN ANGLE FOR NON-PARALLEL CUTS.

YOU MAY ALSO REMOVE ONE, OR BOTH OF THE GUIDES, DEPENDING ON YOUR NEEDS.

THE SAFETY LOCK:

ON THE FORWARD CORNER OF THE TABLE, NEXT TO THE LEVER, YOU WILL NOTICE AN "L" SHAPED COMPONENT, FASTENED TO THE TABLE. LOOSEN THE SCREW, ROTATE THE STRIP OF METAL SO THAT IT GOES OVER THE LEVER, THEN TIGHTEN THE SCREW. USE THIS SAFETY LOCK TO PREVENT UNAUTHORIZED USE OF THE LEVER SHEAR. (IT DOES NOT ALLOW THE LEVER TO BE RAISED).

NOTE:
THIS LEVER SHEAR OFFERS THE USER THE POSSIBILITY OF MAKING CUTS NOT POSSIBLE WITH A "CONVENTIONAL" SHEAR (ALLOWS UNLIMITED LENGTH OF CUT, AND THE CREATION OF IRREGULAR SHAPES).
DUE TO THE NATURE OF THE MACHINE, EXTREME CARE SHOULD BE EXERCISED BY THE USER.
NEVER PLACE ANY PART OF YOUR BODY BETWEEN THE CUTTING BLADES OF THE MACHINE.

MISCELLANEOUS NOTES:

DO NOT CUT METAL RODS, SHAFTS, NAILS, SCREWS, TUBES, ETC.
THEY CREATE STRESS CONCENTRATIONS, AND MAY DAMAGE THE BLADES.

INJECT GREASE INTO THE GREASE FITTING AT THE TIP OF THE PIVOT SHAFT ON A DAILY BASIS, OR AS OFTEN AS REQUIRED.

WHEN USING DIFFICULT TO CUT MATERIALS SUCH AS VERY THIN SHEET METAL, CLOTH, PAPER, FIBERS, PLASTIC, ETC., YOU CAN APPLY A SLIGHT SIDEWAY PRESSURE TO THE LEFT ON THE LEVER AS YOU ARE BRINGING IT DOWN, IN ORDER TO CREATE GREATER CUTTING ACTION BETWEEN THE BLADES, THUS GENERATING A BETTER QUALITY CUT.

ENJOY YOUR MACHINE !.