

STANLEY
EP30 Compact
Electronic Pinbrazing unit



Read the instructions carefully before using the pinbrazing unit.

1. Check that all parts are received.

SAFE 9301-ST Delivered with:

Gun S3, manual, SAFE 9303-ST
Battery box, SAFE 9325-ST
Electronic unit, SAFE 9326-ST
Earthing device, SAFE 8067-ST

SAFE 9302-ST Delivered as above but instead
a S4 gun automatic, SAFE 9102-ST

SAFE 9304-ST Delivered with:

Gun S3, manual, SAFE 9303-ST
Battery box, SAFE 9325-ST
Electronic unit, SAFE 9326-ST
Earthing device, SAFE 8067-ST
Batteries, open cell 19 Ah, 3pcs, SAFE 8088-ST
Grinder 36 V DC, SAFE 8005-ST
Carrying harness, SAFE 9523-ST
Tool case, SAFE 9524-ST

SAFE 9305-ST Delivered as above but instead a
S4 gun automatic, SAFE 9102-ST

Technical specification

Voltage	36V DC
No. of brazings/charge <i>with 16 Amp batteries</i>	40-60
Unit weight incl.batteries	20 Kg
Dimensions LxWxH (mm)	315x220x400

Accessories:

Standard batteries, open cell, 19 Ah SAFE 8088-ST
High Power batteries, sealed 13 Ah SAFE 8092-ST
High Power batteries, sealed 16 Ah SAFE 8093-ST
Grinding machine 36 V DC, SAFE 8005-ST
Battery charger, stationary use, SAFE 8050-ST
Battery charger, car use, SAFE 8055-ST
S4-Automatic gun,self adjusted, SAFE 9102-ST
Carrying harness, SAFE 9523-ST
Extension cables
Tool case, SAFE 9524-ST
Rail transport waggon, SAFE 9360-ST

Guarantee: Units 12 months, batteries 6 months. Valid only when using original parts, batteries and chargers supplied or approved by **STANLEY**.



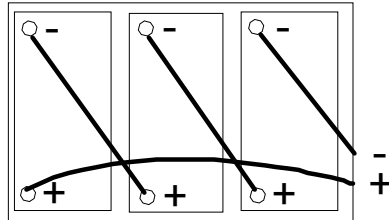
Stanley Hydraulic Tools
Division of The Stanley Works

3810 S.E. Naef Road
Milwaukie, Oregon 97267 U.S.A.

2. Charging the batteries.

If delivered with sealed batteries or acid filled batteries do as follow.

- Connect the batteries in series in the battery box.



- Be sure it is a good ventilated room you are using as a charging room.
- Connect the battery **charger** to the **grinder outlet** on the pin brazing unit then to the mains. When removing from charging remove the main first then from the unit.
- Charging is ready after about 3-5 hours. See the specific instructions for that charger You are using. Normally is the charger blinking or in any other way indicating charging completed.

Warning! The charger may not be placed over the batteries while charging! In case of gasformation.

Note: Use only battery charger specially made for pin brazing unit EP30 (36 V DC) delivered or approved by STANLEY.

- Load the gun with brazing pin and ferrule.



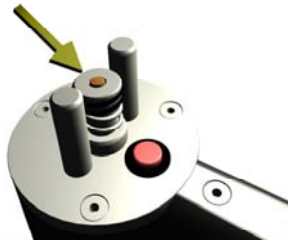
- Make sure to braze in the top of the hole when brazing to a vertical surface.

Setting the right lift height.

- Press carefully the gun with the cable shoe, the ferrule and the brazing pin too the work piece.

Using S3-Manual gun.

- Adjust the right lift height with the adjustment on the back of the gun. The inner pipe should be in the same level as the outer pipe.

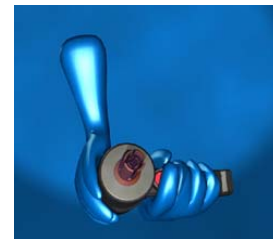


Using S4-Automatic gun.

- Set the wheel in position "0" at the back of the gun. The gun will automatically adjust the right lift level every time You braze.

Brazing.

- Hold the gun firmly with both hands as shown and pull the trigger just once. The electronic will by it self finish the braze.



- Hold the gun in place for 3-4 sec after the brazing while the braze freezes.

- **Remove the gun without pulling the trigger!**

Knock off the shank of the brazing pin.

The brazing is completed.

NOTE! A red lamp indicates when the batteries are low. Then charge the unit immediately.



MAINTENANCE

BATTERIES

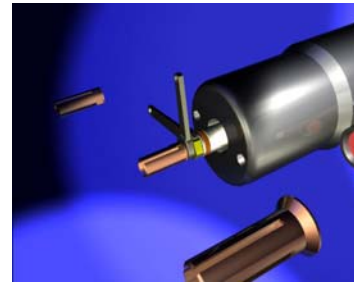
Check that:

- The cables are tight and intact.
- The terminals are free of oxide.
- The batteries are fully charged.

If you are using extra battery cassette, try to use it as much as the other and do always keep it fully charged.

CHANGE PINHOLDER

- Separate the ringholder from the gun with your hands.
- Hold the nut closest to the pinholder with a 10mm key.



- Screw the pinholder off.
- When replacing the new pinholder, hold the nut, closest to the pinholder even now.

EQUIPMENT

- Check the cables from time to time, so damages has not arised.

BRAZING PINS AND FERRULES

- Keep them dry.

Trouble shooting

1999-09-03

In order to perform this trouble shooting you will need : voltmeter, 8 mm and 10 mm spanners, hexagon spanner 3 mm, 4mm and 5 mm, control instrument to check lift height for S4 pistol. Optional :- battery load meter.

Working material	Are the bonds in good condition - no breaks, clean ? Are the pins of the correct type ?
Grinding wheel	Is the grinding wheel the approved type ? The Tyrolit is a silicon free wheel. You can use a steel carbide wheel. No other wheels are allowed.
Batteries	Sealed cells - check voltage 36V DC battery need to be charged 39V DC battery is fully charged
Pistol	S3 Check cables, plugs. Does axle move easily with pin and ring fitted ? Are the pin and ring holders bent ? S4 Check cables, plugs. Does axle move easily with pin and ring fitted ? Are the pin and ring holders bent ? Unscrew the front of the gun and open carefully. Smell if there is burning, otherwise clean and replace Check the lifting height with the control instrument.
Earthing magnet	Is the magnet broken (between the plates) ? Is the plug well screwed in ? Even the plates.
Electronic units	Check cables and connections for play. Are the contact on the cables damaged ? Are the knobs loose ? Are the fuses whole ? (inside on S 101) Open the panel, check for a burnt smell, (the breaker can have burnt out) Check that cables are attached correctly. Make a full optical control.
Battery Charger	Measure with a voltmeter under load that the unit is working