

LA*B Stinger OPERATION MANUAL



Please note



Eye, hearing and protective clothing must be worn while operating this equipment

**For questions or parts please call:
513-577-7200**



STINGER HEAT LANCE PRE OPERATION INSTRUCTIONS



YOU ARE OPERATING A MACHINE THAT COMBINES PROPANE WITH COMPRESSED AIR. SAFE OPERATION IS FIRST AND FOREMOST.



YOU MUST WEAR SAFETY GLASSES OR A FACE SHIELD!



THE LANCE IS DESIGNED TO BE OPERATED ON A LEVEL SURFACE. NEVER LEAVE UNIT UNATTENDED.



THE TORCH HEAD GETS EXTREMELY HOT. CARE MUST BE TAKEN TO NOT TOUCH IT OR LET IT COME IN CONTACT WITH ANY FLAMMABLE OR EXPLOSIVE MATERIALS. NEVER ATTEMPT TO REFUEL GAS TANK WHILE UNIT IS IN OPERATION



ALL HOSE CONNECTIONS SHOULD BE CHECKED DAILY WITH A SUITABLE SOAPY WATER SOLUTION FOR LEAK DETECTION INSPECT THE HOSES DAILY FOR DAMAGE, REPLACE RIGHT AWAY



DO NOT MODIFY THE HOSE CONNECTIONS OR COMPRESSOR IN ANY WAY WITHOUT FIRST CONTACTING THE FACTORY




SECURELY MOUNT A SUITABLE 30LB VAPOR PROPANE TANK



CHECK PUSH ELECTRONIC IGNITOR: DEPRESS BUTTON AND BE SURE YOU CAN HEAR THAT IGNITOR IS SPARKING OR MAKING CLICKING NOISE BEFORE ATTEMPTING TO TURN ON GAS OR OPERATE UNIT.



TO OPERATE THE UNIT, PERFORM THE FOLLOWING STEPS:

-  1. **START THE ENGINE. ENGINE & COMPRESSOR MUST RUN FOR FIVE MINUTES BEFORE ATTEMPTING TO LIGHT LANCE AND OPENING OF PROPANE TANK.** *Do Not attempt to light before the 5 minute warmup. This has to do with the combustion mixture and to allow the LP Hose to warm up. IF NOT, DAMAGE TO THE COMPRESSOR WILL OCCUR and unit will not light. WAND HOSE SHOULD BE WARM to the touch BEFORE ATTEMPTING TO LIGHT UNIT. ENGINE RUNS AT A FIXED RPM*
2. AFTER THE 5 MINUTE WARM UP PERIOD, OPEN THE PROPANE TANK VALVE.
3. WAIT ABOUT 1 MINUTE TO ALLOW FOR THE PROPANE AND AIR TO MIX IN THE TORCH HEAD CHAMBER
4. DEPRESS THE ELECTRONIC IGNITER (3) AND KEEP IT PRESSED UNTIL YOU HEAR THE SOUND OF IGNITION COME FROM THE TORCH. IF IGNITION DOES NOT OCCUR YOU MAY HAVE TO **VERY SLOWLY** TURN THE RED REGULATOR KNOB (4) IN OR OUT TO FINE TUNE THE MIXTURE. **REMEMBER, ANY ADJUSTMENT TAKES TIME FOR THE MIX TO GET JUST RIGHT FOR IGNITION.**
5. ONCE LIT, CRADLE THE WAND IN YOUR ARM AND FOLLOW THE CRACKS, TAKING CARE NOT TO MOVE IT SO SLOW THAT YOU ARE BURNING THE ASPHALT. OR YOU CAN PUT IT IN THE ANGLED HOLDER AND PUSH THE CART.
6. WHEN FINISHED, **DO NOT** TOUCH THE RED REGULATOR KNOB AS IT IS NOW SET FOR OPTIMAL IGNITION, INSTEAD TURN OFF THE PROPANE TANK VALVE. LET THE COMPRESSOR CONTINUE TO RUN FOR A COUPLE OF MINUTES TO COOL DOWN THE TORCH HEAD.
7. WHEN READY TURN OFF THE ENGINE.
8. FOLLOW THE GUIDELINES IN THE OWNERS MANUAL FOR THE ENGINE AND COMPRESSOR AS TO OIL CHANGE INTERVALS.



PARTS LIST

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	500	5.5 HP COMPRESSOR (modified)
2	505	TORCH ASSEMBLY
3	510	BATTERY IGNITOR
4	515	IGNITOR PLUG
5	520	LP REGULATOR
6	525	LP HOSE 3/8 X 25 FT (TORCH)
7	530	FEMALE QUICK CONNECT
8	535	MALE QUICK CONNECT
9	540	LP HOSE FITTING
10	545	LP HOSE FITTING
11	550	SWIVEL TIRE ASS'Y
12	555	TIRE ASS'Y
13	560	LP TANK HOSE



TROUBLE SHOOTING

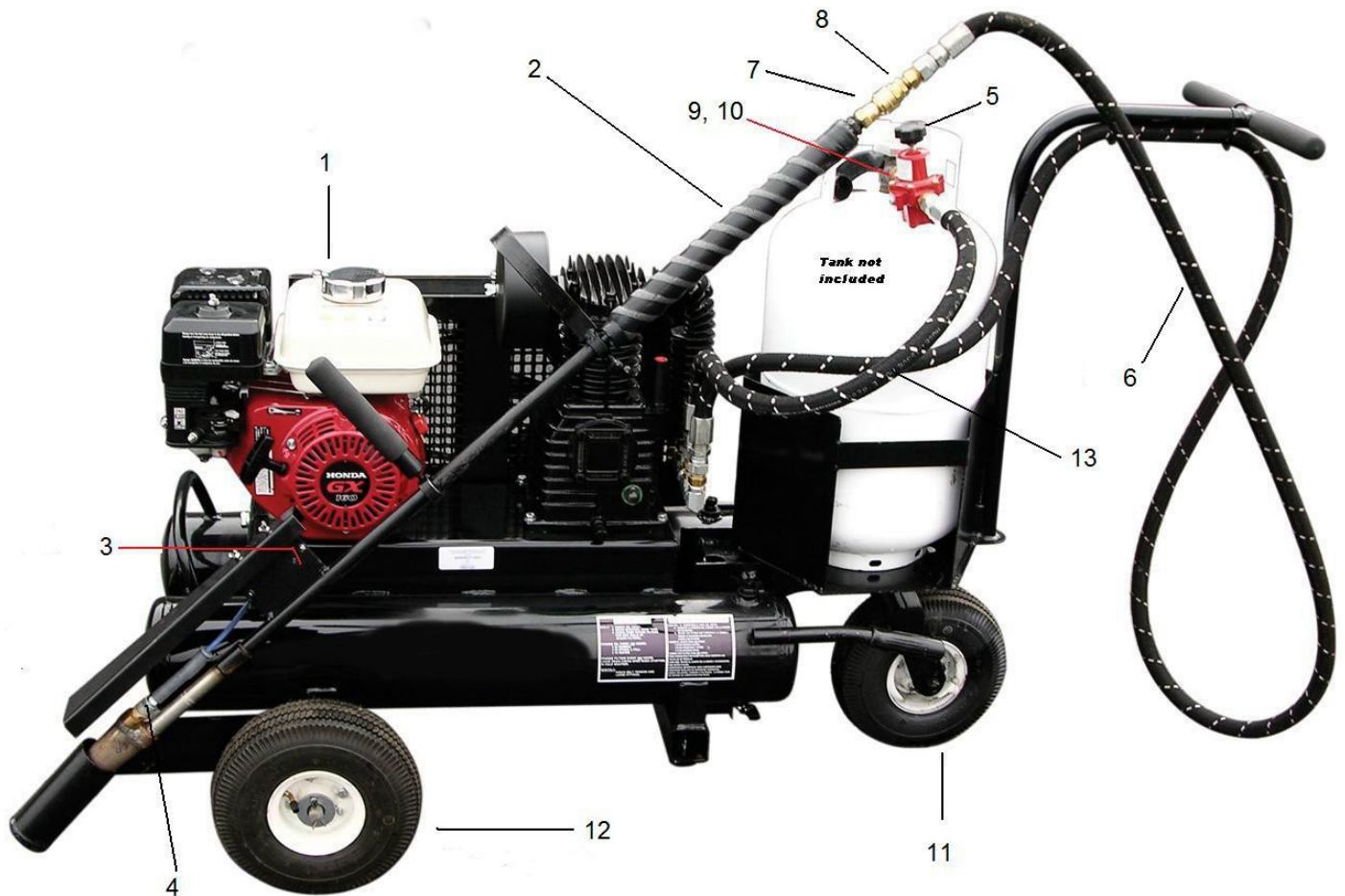
IF LANCE DOES NOT LIGHT:

- DID YOU ALLOW THE 5 MINUTE WARM UP PERIOD?
- BE SURE TO PUSH IGNITION BUTTON WHEN TRYING TO LIGHT
- CHECK TO BE SURE LP TANK IS OPEN AND IS NOT EMPTY
- CHECK TO BE SURE ELECTRONIC PUSH BUTTON IGNITOR IS FUNCTIONING
- CHECK TO INSURE RUBBER BOOT IS NOT PUSHED UP OFF SPARK PLUG (ARCING)
- REGULATOR SETTING MAY NEED ADJUSTING. SLOWLY MODIFY LP REGULATOR SETTINGS BY SLOWLY INCREASING OR DECREASING YOUR SETTINGS WHILE PUSHING IN SPARK BUTTON
- BE SURE COMPRESSOR HAS HAD AMPLE TIME TO WARM UP HOSE LINES
- CHECK ENGINE FOR GAS
- CHECK LP GAS TANK, IS IT EMPTY OR LOW?

IF AFTER THESE SUGGESTIONS DO NOT GET YOU UP AND RUNNING
PLEASE CONTACT OUR SERVICE DEPARTMENT US AT 800-776-5830



Parts Diagram



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