# K2 TACK KETTLE

## OPERATOR'S INSTRUCTION MANUAL

**Keep this Manual with the Tack Kettle at all times.**
**This will allow new users to read it before operating machine.**

**It is the Tack Kettle owner's responsibility to ensure that all workers using this machine are thoroughly trained. Provide workers with this Operator's Manual and make sure they understand its contents. Read it to them if necessary. Letting poorly trained workers use this machine can result in property or machine damage and/or serious injury or death to personnel.**

**This machine was designed for the sole purpose of heating and applying Asphalt Tack grade material. Attempting to heat and apply any other material in this machine can cause machine damage, unsatisfactory results and in the case of higher temperature material, serious injury to workers.**

CIMLINE DURAPATCHER TECHNOLOGY

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**P/N 161164** **Rev D 6/15/2021**

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# SAFETY PRECAUTIONS

**INTENDED USE:** This machine is intended to be used for the sole purpose of applying Asphalt

"Tack" products at elevated temperature. Any other use of this equipment voids the manufacturer's warranty and is the sole responsibility of the owner/user should damage or injuries occur.

## DO NOT OPERATE KETTLE BEFORE READING THESE WARNINGS!

**Never overheat the material. Check material manufacturer's recommendation.**

**Make certain all water is removed from vat before heating.**

**Do not mix material products of different types, grades or manufacturers.**

**Wear proper attire: Hard hat with face shield, long cotton shirt, buttoned at the cuff, long pants without cuffs, gloves (cotton or leather) that cover your wrist and fit snug at cuff, and high top safety shoes.**

**Avoid putting head or hands into the material tank while unit is hot or in operation.**

**Check all hoses, fittings and valves for leaks before starting burners.**

**Have a fully charged dry chemical or CO2 fire extinguisher at the kettle site at all times. Be prepared to use it. Keep flammables away from kettle.**

**Never operate torches without pressure regulator and gauge.**

**IN CASE OF A FIRE, CLOSE MANHOLE. Never throw water on a kettle fire. Shut off the valve at tank. Use fire extinguisher on any flames outside the vat to prevent the spread of fire. If fire threatens to spread, call the fire department. PREVENTION: Clean kettle twice a year and monitor temperatures per instructions to avoid kettle fires.**

**Never leave the kettle unattended during operation.**

**Lock the draincock when left unattended. Do not pump material below the flues.**

**Keep hands away from moving parts on the pump system.**

**Handle gasoline with extreme care. Store gasoline in a safe place. Refuel kettle engine when kettle is cold if possible. Auto ignition temperature for gasoline is 500 degrees F. To refuel a hot kettle, shut off engine and burners and allow to cool at least 5 minuets. Close the kettle manhole. Fill the fuel tank with a funnel. Wipe up all spills with a clean cloth; put fuel away in a safe place. Restart engine and burners.**

**Make sure safety chains and hitch are securely attached. The Cimline Tack Kettle meets all federal requirements for brakes, lights and minimum stopping distances. Check local requirements to ensure conformance to local standards.**

**Do not tow kettle at speeds over 45 MPH.**

The following information is quoted from OSHA:
Safety and Health Standards Digest, OSHA 2202 revised September 1983.

It is usually a good idea for the employer to keep a record of all safety and health training. Records can provide evidence of the employer's good faith and compliance with OSHA standards. Documentation can also supply an answer to one of the first questions an accident investigator will ask: "Was the injured party trained to do the job"?

Training in the proper performance of a job is time and money well spent and the employer might regard it as an investment rather than an expense. An effective program of safety and health training for workers can result in fewer accidents and illnesses, better morale and lower insurance premiums and other benefits.

Readers with questions concerning worker safety and health training should contact their regional OSHA office.

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|---|---|---|---|
| **Overall Size and Weight:** | **Length:** | **W/O Spray Bar: 130"** | **With Spray Bar: 140"** |
| | **Width:** | **76"** | **100" (in-use position)** |
| | **Height:** | **To Top of Stack: 67"** | **To Manhole: 56"** |
| | **Weight:** | **Empty: 1600 lb** | **Full: 3700 lb** |

## TOWING

Before setting up to tow, know how much weight is to be towed. Look up the weight of your kettle in the specification chart. Figure 7.5 pounds for every gallon of material in the kettle.

Make certain the towing vehicle and hitch is rated to tow the total weight of your kettle.
The kettle must be level when towing to maintain adequate tongue weight.

Make certain the hitch is secure and that safety chains are attached. The chains should have enough slack to allow the kettle being towed to turn easily, but tight enough to keep tongue from dragging if the hitch gets disconnected. Chains must be attached to the frame of towing vehicle.

Check that the tires on the kettle have to proper pressure for the load and lug nuts are tight.

The tail lights and brakes are standard equipment on Cimline kettles. Test them periodically to make sure they are in working order. Also be aware of the minimum stopping distance regulations where the kettle is being towed. Always allow plenty of braking distance.

Remember the length of the equipment you are towing. Allow extra room for this extra length.

Always raise the jack up and out of the way for clearance before towing. All kettle openings must be closed. The burners must be turned off.

Never tow the kettle at speeds unsafe for the surface conditions. DO NOT exceed 45 MPH.

## OPERATOR PREPARATION

**READ INSTRUCTIONS THOROUGHLY.**

**<u>WARNING!</u> AN UNINFORMED OR UNTRAINED OPERATOR CAN SUBJECT HIMSELF AND OTHERS TO SEVERE DANGER!**

**<u>WARNING!</u> NEVER ALLOW AN UNTRAINED PERSON TO OPERATE THIS KETTLE! SERIOUS INJURY MAY RESULT FROM THEIR ACTIONS**

**<u>WARNING!</u> WEARING IMPROPER OR INADEQUATE CLOTHING NOT SPECIFIED BELOW CAN CAUSE SERIOUS INJURY IN CASE MATERIAL SPLASHES OR IS SPRAYED ON OR AT THE OPERATOR.**

Be dressed for the job:
Wear a long-sleeved shirt, buttoned at the cuffs.
Wear long pants without cuffs.
Wear gloves, snug fitting at the cuffs.
Wear heavy shoes with high tops
Wear hard hat with face shield attachment. Face shield must be in place while operating kettle.

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## EQUIPMENT AND WORKSITE PREPARATION

Pre-operation checklist:
Check all LP valves, hoses and attachments carefully. Make sure there are no gas leaks.
Remove all debris from inside the kettle.
Have a CO2 or dry powder fire extinguisher for the job and that it's in good operating condition.
Check to make sure you have the right fuel for the kettle you are operating.

**<u>WARNING!</u> USING LIQUID LP WITH A VAPOR BURNER CAN CAUSE SERIOUS INJURY AND FIRE!**

Inspect the kettle for worn or broken parts, cracks and loose parts. Make repairs before using.

Selecting the kettle setup area:
Locate the kettle close to the area to be worked on.
Avoid locating kettle near openings and air intakes on a building.
Select a clear, level area with firm ground.
Locate kettle away from flammable materials and electrical wires.

Setup properly:
Lower the front jack and rear drop leg before disconnecting the hitch. Chock the front and back wheels when the kettle is in its operating position. Make sure the kettle is level and will not rock.
Placing tar paper underneath the kettle will protect the ground from spillage.
Set up a warning line system around the kettle working area. Keep unauthorized people away.
Keep all engine fuel upwind from the kettle and away from open flames.
Place Material containers to be used that day in a location convenient for loading the kettle.

**Materials should be placed in a flat and level area with no clutter, debris or TRIP HAZARDS nearby.**

## COLD START LOADING

Check the material you are going to heat and heat according to material manufacturers' recommendation.

Check the residue in the kettle to make sure it's the same material you are using. Never mix materials of different types, grades or from manufacturers.

Maintain a clean work area free of flammable materials and trip hazards.

**WARNING! DUE TO THE POSSIBILITY OF FLASHING AND FIRE, NEVER HEAT THE MATERIAL HIGHER THAN THE MATERIAL MANUFACTURER'S RECOMMENDATION. SEE MATERIAL CONTAINER FOR THESE RECOMMENDATIONS.**

When pouring Material into the hot vat, pour slowly and carefully to avoid splashing. Splashing Material can cause severe burns.

The level of Material must not be allowed to drop below the top of the flues. To ignore this may result in a flash, fire or eruption. Overheating and ruining the material can also occur.

**WARNING! IF A FLASH OCCURS FROM OVERHEATING THE ASPHALT, CLOSE THE MANHOLE COVER AT ONCE AND SHUT OFF VALVE AT LP TANK.**

Make sure your work area is clear of flammables. The use of CO2 fire extinguisher is highly recommended for control of kettle fires. If no fire extinguisher is available, cover the fire with some sort of powdered cement, sand or dirt. If the fire threatens to spread, call the fire department.

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## ATTACHING/CHECKING LP TANK

Before each use, check all LP hoses and connections for leaks. Test with soapy water for leaks and replace any defective parts.
This LP burner is designed for **VAPOR PROPANE ONLY!** Vapor burners utilize **LP VAPOR** connections at the top of the tank. **THREADS AT THE MAIN TANK ARE INTERNAL.**

**WARNING! BE SURE TO USE THE PROPER FUEL SPECIFIED FOR YOUR KETTLE. USING THE WRONG FUEL CAN CAUSE SERIOUS INJURY.**
Install the POL end of the hose on the cylinder. LPG fittings have left hand threads. Make sure the connection is tight.
Before turning the valve open at the tank, make sure the main burner valves are closed.

Open the main LP Tank Valve slowly and all the way.
Set the pressure regulator adjustment screw to 15 PSI on the gauge.

Check to see that the thermometer on the kettle is not damaged or broken.

MAIN TANK VALVE

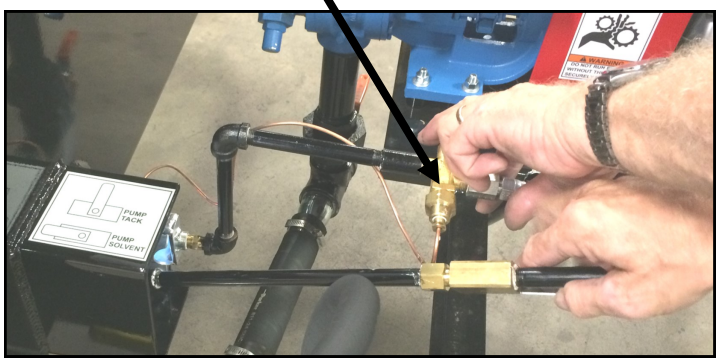
BALL VALVE ON REGULATOR

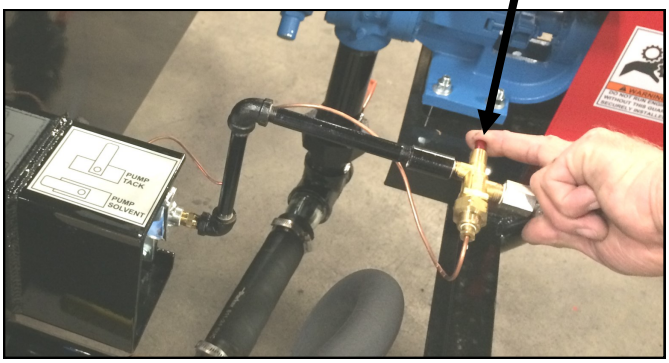
## LIGHTING BURNER(S)

**<u>WARNING!</u> NEVER LIGHT BURNER WITHOUT ASPHALT COMPLETELY COVERING FLUES. UNCOVERED FLUES GET TOO HOT AND CAN CAUSE A FIRE OR FLASH. SERIOUS INJURY CAN RESULT.**

Be sure the Ball Valve attached to the Regulator is <u>CLOSED</u>
Open the LP Tank Valve slowly to wide open.
Set the Pressure Regulator to 15 PSI.
Set Ball Valve on LP Tank to 1/3 open.
Ignite the Lighter Wand.
On the Safety Valve, press and hold Red Button for 1 second then let go.
Hold the tip of lit Ignitor Wand near the back of the Burner.
AT THE SAME TIME press and hold the Red Button on Safety Valve.
Once Burner lights, remove Ignitor Wand and extinguish while continuing to hold Red Button.
CONTINUE TO HOLD RED BUTTON for 20-30 seconds after Burner has been lit.
This will allow thermocouple to reach operating temperature and keep valve open.
Set Ball Valve on LP Tank to 1/2 open.

Safety Valve



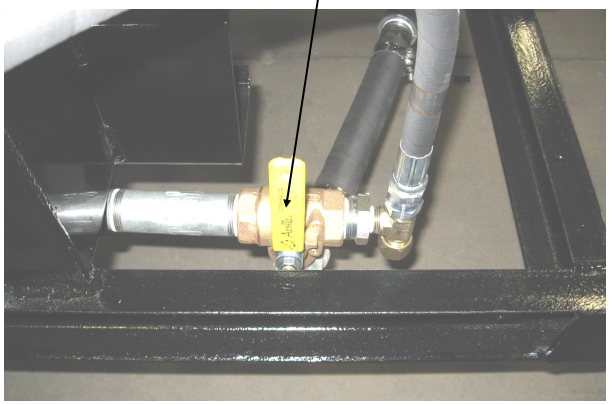

**NEVER OPERATE BURNERS AT A PRESSURE LOW ENOUGH TO PRODUCE A YELLOW SOOTY FLAME.**

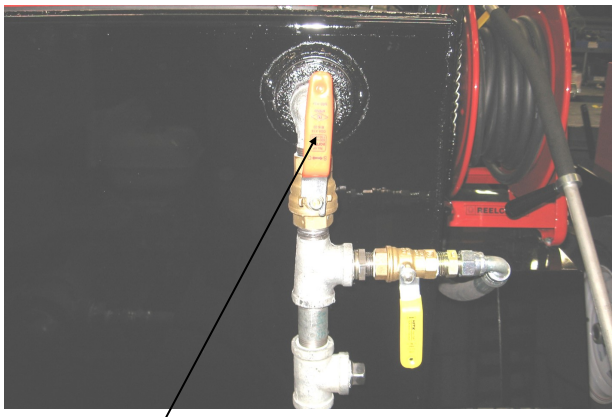
# SPRAYING MATERIAL
# (TO BE DONE ONLY BY TRAINED PERSONNEL)

**<u>WARNING!</u> DO NOT START ENGINE WITHOUT ALL HOSES AND FITTINGS SECURELY INSTALLED. DOING SO MAY CAUSE SERIOUS INJURY AND BURNS!**

Before Starting Engine:
Drain solvent left-over in Pump/Plumbing from the previous cleaning. This will prevent the left-over solvent from being pumped into the Tank of new Material. The Plumbing Drain is a Ball Valve located under the Pump. Open the Ball Valve to drain the Plumbing. Have a container under the valve to catch the solvent. When the Plumbing is drained, close the Ball Valve.

Make sure Main Tank Valve is in the “Pump Position” so Material will get from Tank to Pump.





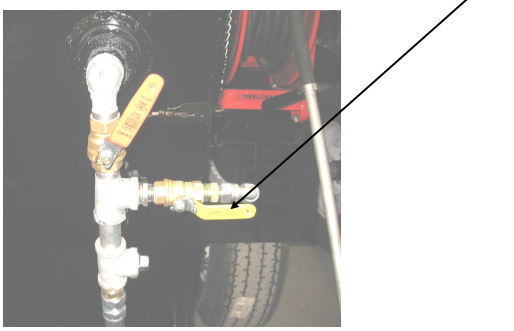
Make sure the Bypass Valve (the upper most valve) is open.

Start the Engine according to Engine manufacturers’ recommendations. See Page 9

Once the Engine/Pump is running it will circulate the Material in the Tank through the Bypass Valve. This will help even out the temperature in the vat. It is recommended to keep the Engine/Pump running during the entire period the Burners are in operation.

**ASPHALT SHOULD BE HEATED ACCORDING TO THE MATERIAL MANUFACTURER’S RECOMMENDATION. SEE MATERIAL CONTAINER FOR THESE RECOMMENDATIONS.**

When you are ready to begin spraying Material, Partially close Bypass Valve to allow pressure to build up in the Spray Hose. Open Spray Valve to allow material to get to Hose Reel.



To make sure all left-over solvent from the previous cleaning is out of Hose and Spray Wand, hold tip of Spray Wand over a container and SLOWLY open Ball Valve on Wand to flush any solvent from Hose and Wand. Spray until an uninterrupted flow of material comes out of Wand.

Close the Wand valve.

Go to the area to be sprayed, hold Spray Wand approximately 12 inches from the ground and open the Ball Valve on Wand to begin spraying.

Keep the bitumen level above the flue Tubes during the operation of the Kettle.

**WARNING! UNCOVERED FLUES CAN BECOME TOO HOT AND CAUSE A FIRE OR FLASH. SERIOUS INJURY MAY RESULT!**

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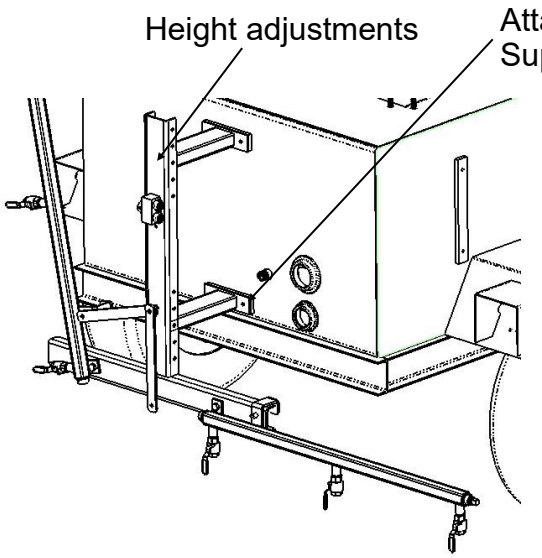
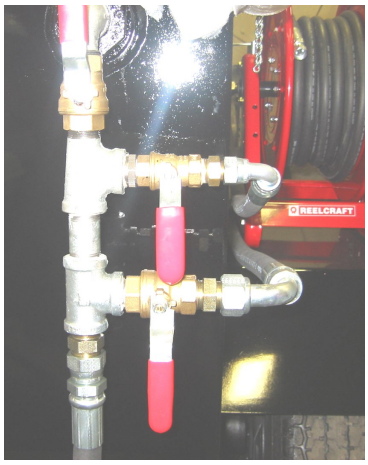
## USING OPTIONAL SPRAY BAR ATTACHMENT

Install Spray Bar Attachment as shown in the photos below.
To pressurize the Spray bar, close the Ball Valve going to the Hose Reel.
Locate the Kettle/Spray Bar at the location where you want to begin applying Tack.
Open the lower-most Ball Valve. This will send Material to the Spray Bar.
At this point, the Spray Bar will be spraying material so be ready to move Kettle/Spray Bar along.







## SHUTTNG DOWN LP BURNER

To shut down for an extended period, close the Main Valve on LP tank. This will allow the gas in the line to bleed out. The burners may run for a minute until the gas is purged.

Close the Ball Valve attached to regulator.

When shutting down for the day, put LP Tank in a safe place. Do not leave installed on kettle.

**WARNING! SHUT OFF BURNERS BY CLOSING MAIN LP TANK VALVE. DO NOT SHUT OFF BURNER BY CLOSING THE BALL VALVE ON REGULATOR. HOSES AND CONNECTIONS CAN HAVE SMALL LEAKS THAT WILL DRAIN YOUR LP TANK.**

**THE LP BOTTLE SHOULD BE SECURE, UPRIGHT AND AWAY FROM HEAT.**
**WARNING! NEVER LEAVE THE KETTLE UNATTENDED WHILE RUNNING. IT IS VERY IMPORTANT THAT THE OPERATOR READS AND UNDERSTANDS THESE INSTRUCTIONS.**

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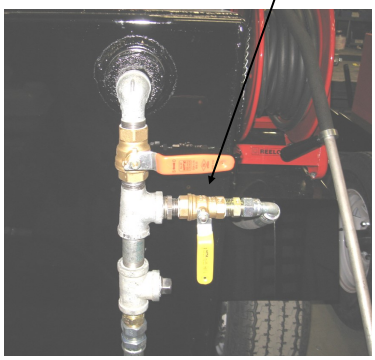
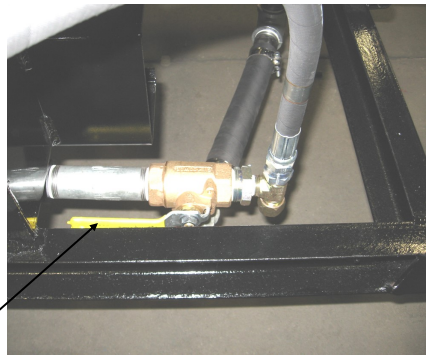
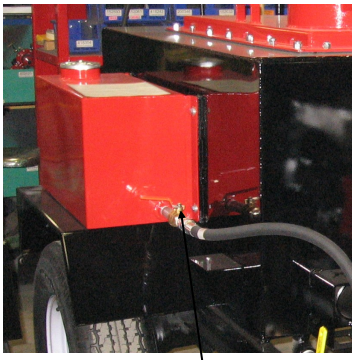
## FLUSHING PUMP/HOSE/WAND

Shut Spray Wand valve.
Make Sure Bypass Valve is closed completely.







SOLVENT TANK VALVE

Turn Main Tank Valve from “PUMP MATERIAL” to “PUMP SOLVENT”.

Open Solvent Tank Valve located at front of solvent tank.

Solvent will now pump through Hose and Wand.

Hold tip of Spray Wand over a container and SLOWLY open Ball Valve on Wand to flush solvent from Hose and Wand.

Spray until an uninterrupted flow of solvent comes out of Wand.

Close Spray Wand valve.

Close Solvent Tank Valve

Shut off Engine.

## ENGINE OPERATION

STARTING ENGINE:
Turn the fuel valve to the “ON” position.

Move the choke lever to the “CLOSE” position.

**NOTE:** The choke may not be needed if the engine is warm or the air temperature is high.

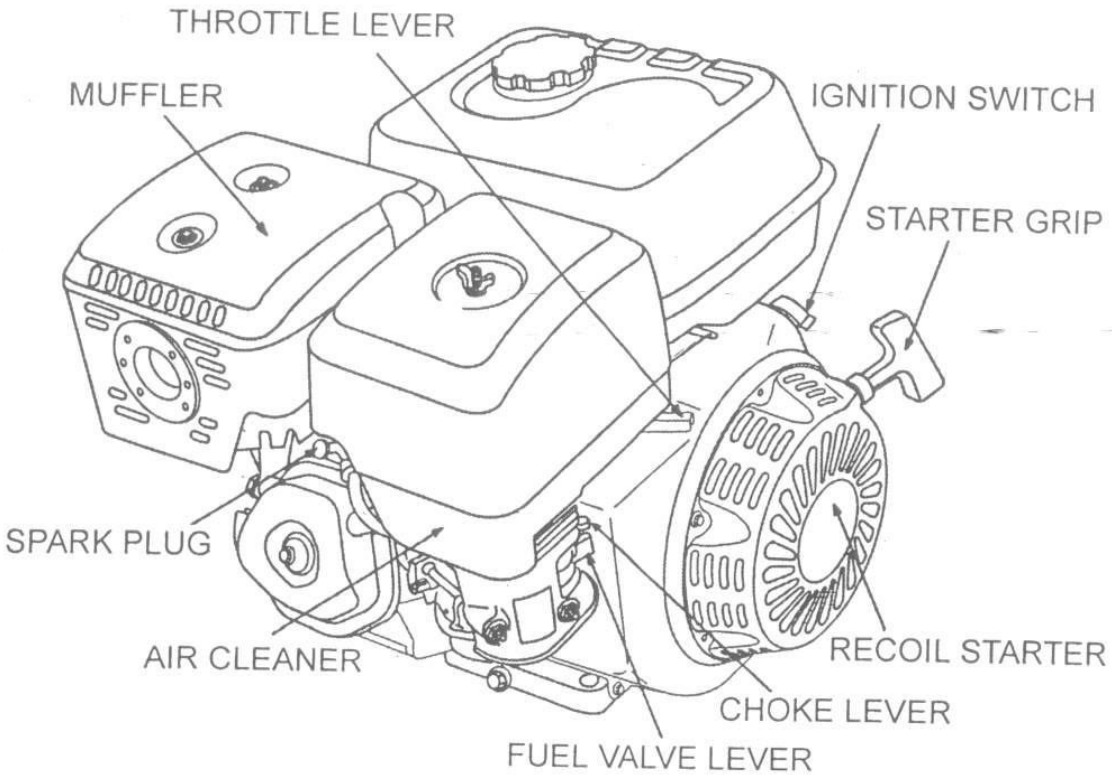
Move the throttle lever slightly to the left.

Turn the engine switch to the “ON” position.

Pull the starter grip lightly until resistance is felt, then pull briskly.

**NOTE:** Do not allow the starter grip to snap back against the engine. Return it gently to prevent damage to the starter.

To stop the engine, move the throttle lever fully to the right, turn the engine switch to the “OFF” position and turn the fuel valve to the “OFF” position.



## GENERAL MAINTAINANCE

Grease the pump twice a day; once at noon when the entire system is hot, and once at shut down at the end of the day. Use hi-temp grease.

It is highly recommended that the engine oil be changed daily. Because of the heat involved with this application, oil breaks down much quicker than ordinary engine uses. Frequent oil changes will significantly prolong the life of the engine. Honda recommends Service Classification SG, SF/CC, and CD. Temperatures below 50 degrees F. SAE 10W/30 and above 50 degrees F. SAE 30 is recommended. Using unleaded gasoline will also increase valve life.

## TOOL BOX TALK
## (LP Gas containers)

With the exception of horizontal LP gas cylinders, all cylinders should be stored and secured in an upright position to allow safety relief valves to communicate with vapor space.

Have a specific storage space for all empty or full containers. Clearly mark the area with “NO SMOKING” signs.

At the location of your LP gas container storage station, have a wrench attached to a small chain so it is available at all times when filling your day units.

Make sure all your LP gas containers have the necessary safety relief valves, to prevent over-filling and over-pressuring.

When changing the LP gas containers or making hose connections, all connections and hoses should be checked for leaks and breaks.

When transporting LP gas containers to and from the job sites, make sure they are properly secured in an upright position on your truck.

The LP gas container valves should be protected against damage by a collar, protective bar or housing. Keep tar and other foreign materials from accumulating on the valves and containers.

When using upright LP gas containers that are not mounted on a piece of equipment, the container should be set on a solid base and secured to prevent it from falling over.

The control valves on the LP gas containers should be opened slowly, but completely. Adjust your flame with the burner valve.

When the burner is to be shut off, close the valve on your LP gas container first and let the remaining gas burn out of the hose before closing the burner valve. This will relieve pressure in the hose.

## COMPONENT LIST

### Service/Replacement Parts:

Engine: ..... 110484
Pump: ..... 200615
Pump Coupling: ..... 110159
Pump Coupling Guard: ..... 422353
Burner-Complete: ..... 405374
Lighter Wand: ..... 405376
Regulator Assembly: ..... 405375
Large LP Hose (to Burner): ..... 171993
Small LP Hose (to Lighter Wand): ..... 171994
Tank Lid Gasket (set of 4): ..... 154271
Solvent Tank Cap: ..... 154265
Main Tank Valve: ..... 120838

### Hoses:

Solvent Tank to Main Tank Valve ..... 171981
Pump to Plumbing Assembly ..... 171979
Plumbing Assembly to Hose Reel ..... 171980
Plumbing Assembly to Spray Bar ..... 171984
Spray Bar Manifold to Spray Bar Arms ..... 171983
Main Wand Hose (50 Ft) ..... 171990

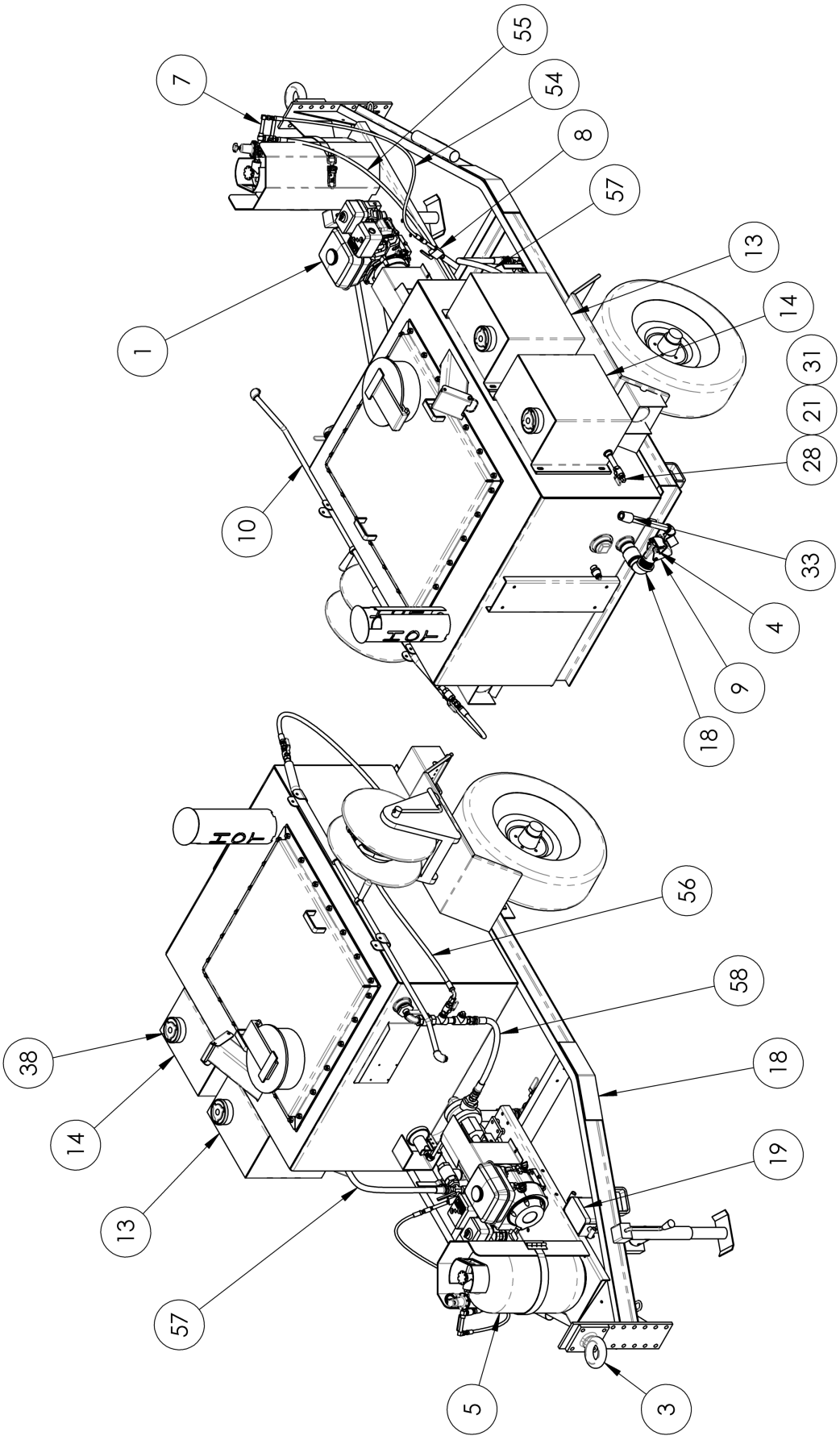
Spray Wand-Complete ..... 405460
Tank Screen (inside Tank) ..... 423093
Molasses Valve ..... 404842
Tires ..... 140381

Ball Hitch 2” ..... 403271
Ball Hitch 2 5/16” ..... 402954
Ball Hitch 3” ..... 403135
Slow Moving Sign ..... 152381

# TRAILER AND PUMP

| ITEM | PART NO. | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 110484 | 5.5HP HONDA FLIPPED REDUCER | 1 |
| 2 | 200615 | PUMP-HL125 | 1 |
| 3 | 140333 | HITCH PINTLE 2-1/2 | 1 |
| 4 | 150124 | LOCK PIN 516-22 LP | 1 |
| 5 | 154413 | LP BOTTLE-40 LB | 1 |
| 6 | 405374 | BURNER ASSEMBLY-250 TK | 1 |
| 7 | 405375 | REGULATOR ASSY-TK 250 | 1 |
| 8 | 405376 | LIGHTER WAND ASSEMBLY | 1 |
| 9 | 404842 | SPIGOT W/HANDLE | 1 |
| 10 | 405460 | WAND ASSEMBLY-TK | 1 |
| 11 | 405502 | LID WELDMENT-TK 250 | 1 |
| 12 | 405819 | HOSE REEL ASSEMBLY | 1 |
| 13 | 406002 | SOLVENT TANK WELDMENT | 1 |
| 14 | 406003 | DRAIN TANK WELDMENT | 1 |
| 15 | 422353 | GUARD-COUPLING | 1 |
| 16 | 423030 | STANDOFF-PUMP | 4 |
| 17 | 423541 | FLAP | 1 |
| 18 | 405372 | FRAME/TANK DROP-250 | 1 |
| 19 | 154667 | RUBBER BUMPER | 1 |
| 20 | 154271 | GASKET-TANK | 4 |
| 21 | 120447 | VALVE-BALL-.50 NPT | 1 |
| 22 | 120448 | .50" BALL VALVE | 1 |
| 23 | 110055 | SPROCKET 40B16 X .75 | 2 |
| 24 | 110159 | COUPLING CHAIN D4016 | 1 |
| 25 | 120018 | PIPE-NIPPLE-CLOSE-1.5 | 1 |
| 26 | 120023 | PIPE-NIPPLE-1.5 X 6.0 | 1 |
| 27 | 120070 | PIPE-TEE-1.5 - GALV. | 1 |
| 28 | 120073 | PIPE-PLUG-.50 GALV | 1 |
| 29 | 120412 | CLOSE NIPPLE | 1 |
| 30 | 120673 | PIPE-BUSHING-HEX-1.5 X .75 | 1 |
| 31 | 120870 | NIPPLE-.50 X 4.00 | 1 |
| 32 | 152160 | HOSE CLAMP- 2.0 | 2 |
| 33 | 152304 | HANDLE GRIP | 1 |
| 34 | 170376 | ADAPTER 12MP X 12MJ | 2 |
| 35 | 120839 | PIPE-ELBOW-STREET-90 DEG | 2 |
| 36 | 130396 | TERMOMETER | 1 |
| 37 | 152033 | OBS-LOOM TEE | 2 |
| 38 | 154265 | CAP-4 IN FILLER | 2 |
| 39 | 120840 | PIPE-NIPPLE | 1 |
| 40 | 120083 | PIPE-UNION-1.5 | 1 |
| 41 | 170675 | BUSHING-REDUCER | 1 |
| 42 | 100460 | HHCS .38X5.50 | 1 |
| 43 | 110089 | .19 KEY X .75 | 2 |
| 44 | 405414 | RECIRCULATION ASSY | 1 |
| 45 | 120838 | VALVE-BALL-1.25 NPT-3 WAY | 1 |
| 46 | 120291 | PIPE-PLUG-.75 | 1 |
| 47 | 171987 | NIPPLE-KING-1.25 MP-1.5 HOSE | 1 |
| 48 | 171986 | NIPPLE-KING-1.50 MP-1.50 HOSE | 1 |
| 49 | 171988 | HOSE-SUCTION-1.5 ID X 13 IN LG | 1 |
| 50 | 100170 | 1/2 PLASTIC LOCK NUT | 26 |

| ITEM | PART NO. | DESCRIPTION | QTY. |
|---|---|---|---|
| 51 | 170796 | ADAPTER-BUSHING-24MP-12FP | 1 |
| 52 | 171985 | TEE-BRANCH-12MJ-12MP-12MJ | 1 |
| 53 | 170887 | CAP-HEX-12FJ | 1 |
| 54 | 171994 | HOSE-LP .25 4MP-6FJX | 1 |
| 55 | 171993 | HOSE-LP .38 4MP-6FJX | 1 |
| 56 | 171980 | HOSE-.50 8FJX-8FJX | 1 |
| 57 | 171981 | HOSE-.75 12FJX-12MPX | 1 |
| 58 | 171979 | HOSE-.75 12FJX-12FJX | 1 |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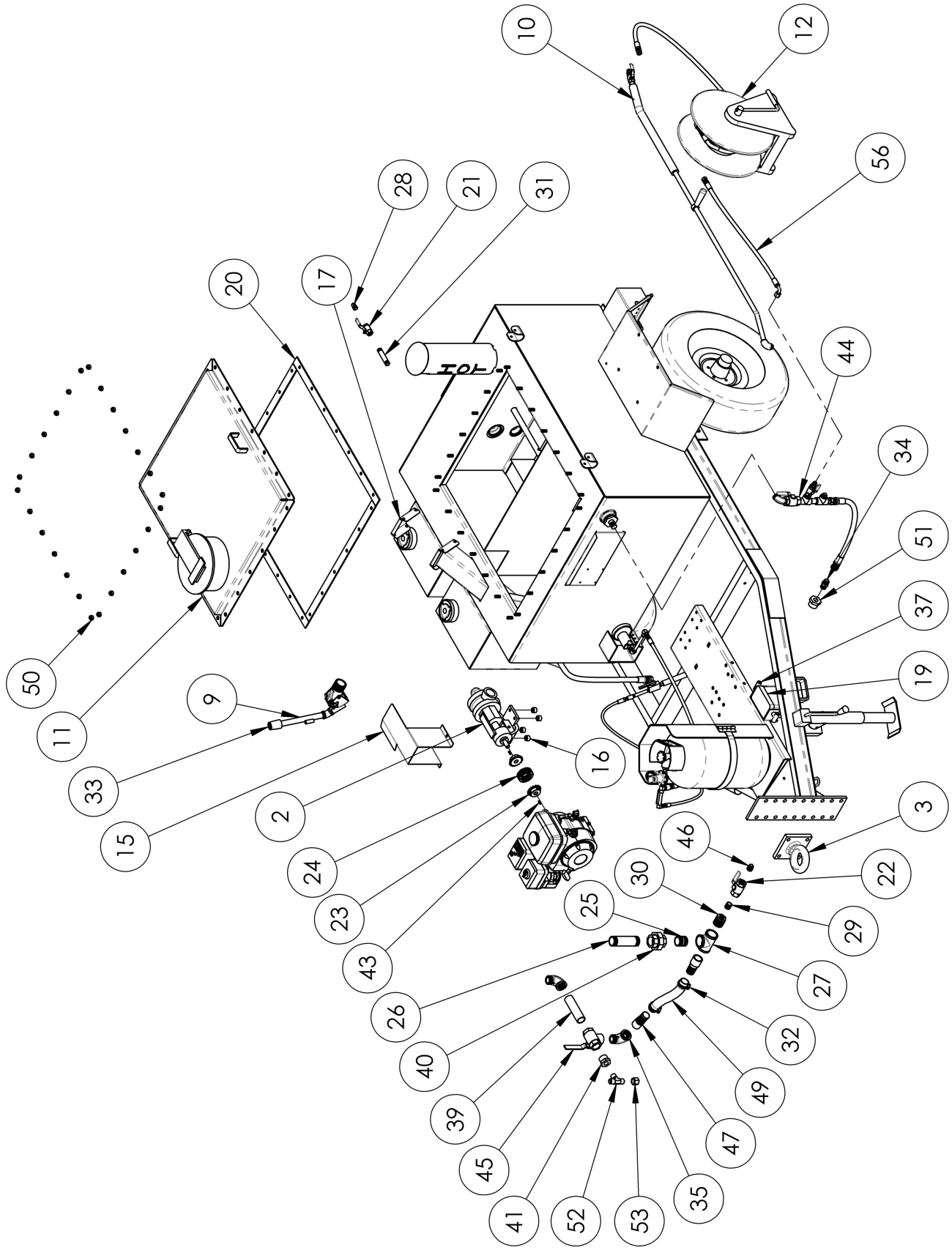
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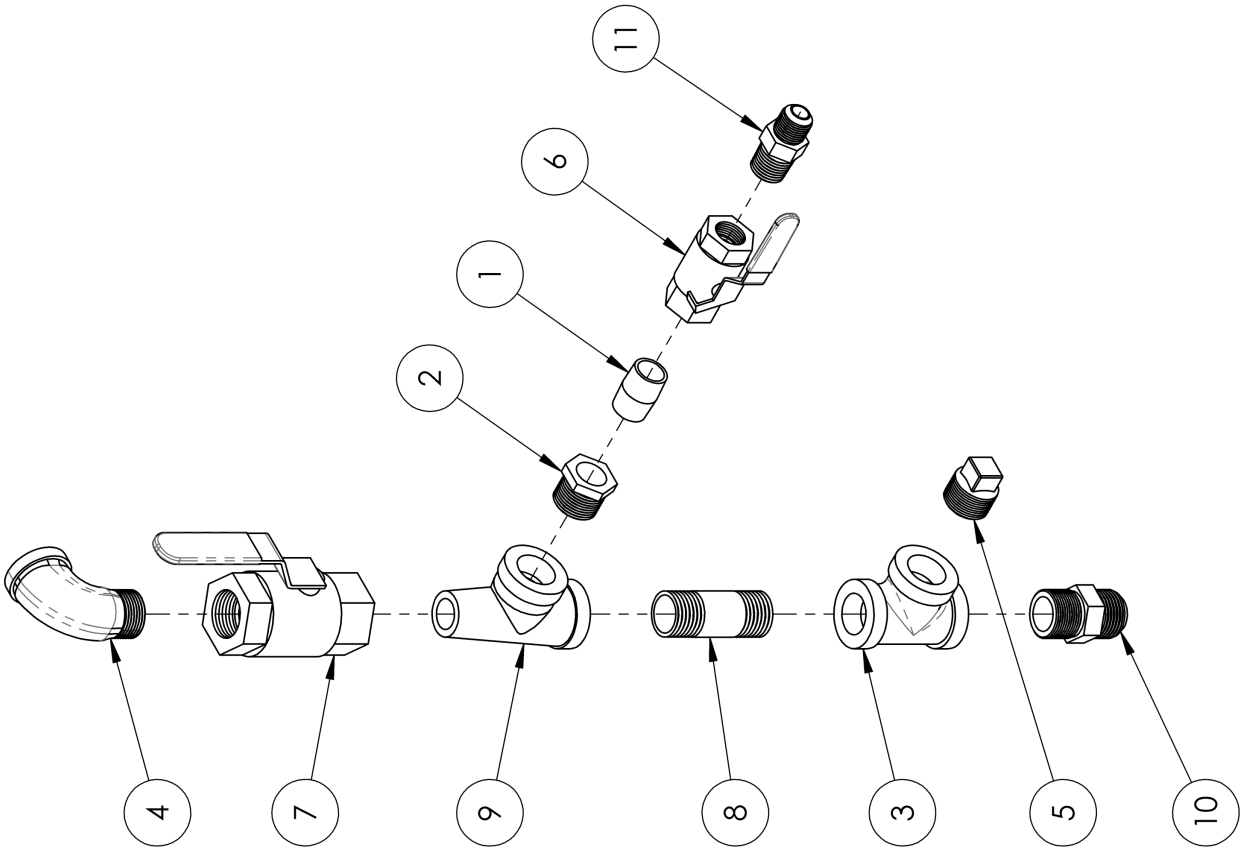
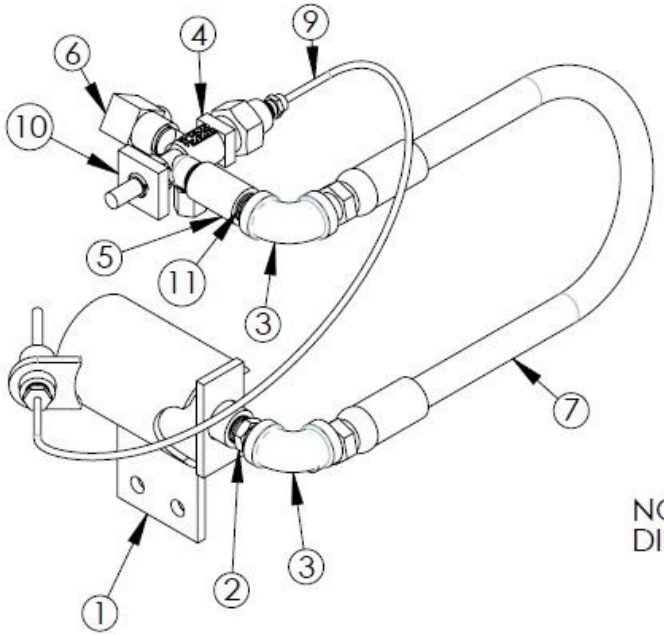
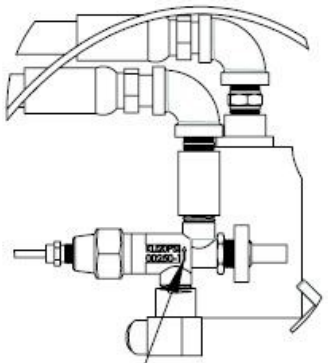
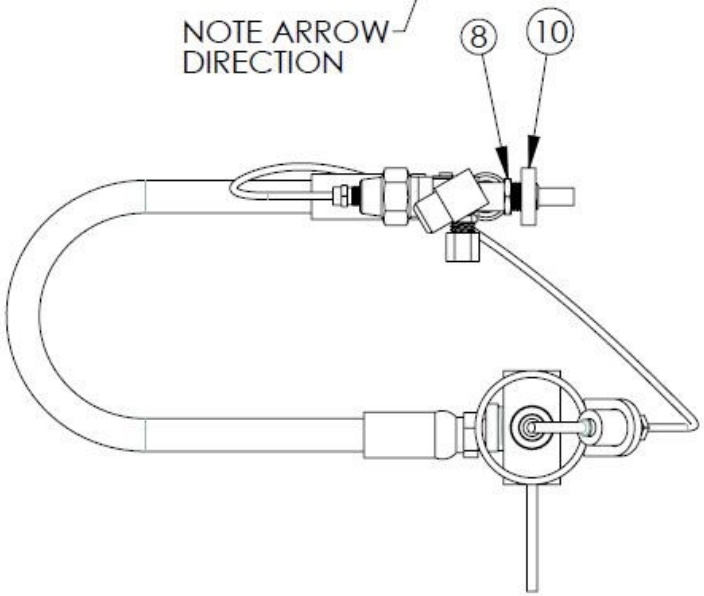
| ITEM | PART NO. | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 120010 | NIPPLE, 1/2" CLOSE | 1 |
| 2 | 120039 | .75 X .50 HEX BUSHING | 1 |
| 3 | 120413 | PIPE-TEE-.75-GALV | 1 |
| 4 | 120414 | PIPE-ELBOW-STREET-90-DEG-.75 | 1 |
| 5 | 120291 | PIPE-PLUG-.75 | 1 |
| 6 | 120447 | VALVE-BALL-.50 NPT | 1 |
| 7 | 120448 | .50" BALL VALVE | 1 |
| 8 | 120675 | PIPE NIPPLE .75 X 4.5 | 1 |
| 9 | 120818 | PIPE-TEE-STREET .75 | 1 |
| 10 | 170376 | ADAPTER 12MP X 12MJ | 1 |
| 11 | 170844 | 8MP X 8MJ ADAPT | 1 |

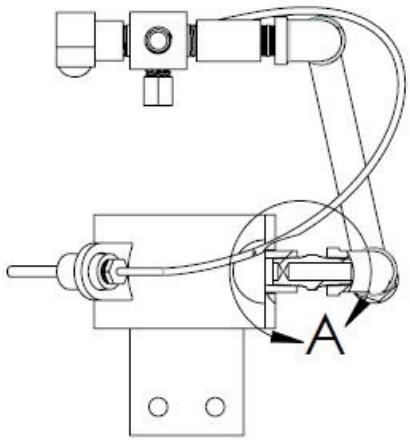




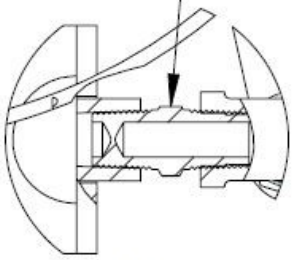



NOTE ARROW DIRECTION




INSTALL ITEM 2 WITH ORIFICE FACING TO BURNER



DETAIL A
SCALE 2 : 3

| # | PART # | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 405410Z | BURNER TK 250 ZINC | 1 |
| 2 | 153535 | ORIFICE .063" BRASS 1/4MP | 1 |
| 3 | 120218 | PIPE-ELBOW-90° .25 - GALV | 2 |
| 4 | 130333 | SAFETY VALVE-FUMESTACK | 1 |
| 5 | 120045 | COUPLING .25 | 1 |
| 6 | 170848 | ELBOW-4FP-6MJ 90° | 1 |
| 7 | 172604 | HOSE-LP 4MP-4MP 16" LG | 1 |
| 8 | 101164 | NUT-PANEL | 1 |
| 9 | 130332 | THERMO-COUPLE | 1 |
| 10 | 429354 | NUT | 1 |
| 11 | 120002 | 1/4" CLOSE PIPE NIPPLE | 1 |

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**To replace any Warning Decals on your Tack Kettle (300793), simply tear off the bottom half of this page and mail or fax to Cimline for FREE REPLACEMENTS.**

**Address:**
**Cimline Inc.**
**2601 Niagara Lane**
**Plymouth, MN 55447**
**Attention: Sales Dept.**
**Fax: 866-557-1974**

**Fax: 800-820-3268**
**Company Name_____**
**Address_____**
**City and State_____**
**Zip code_____**
**Attention_____**

# WARNING!

SERIOUS INJURY CAN RESULT FROM LETTING POORLY TRAINED WORKERS OPERATE THIS KETTLE.

IT IS THE KETTLE OWNERS RESPONSIBILITY MAKE SURE ALL WORKERS USING THIS MACHINE ARE PROPERLY TRAINED IN ITS USE.

A THOROUGH UNDERSTANDING OF ALL THE INSTRUCTIONS AND SAFETY WARNINGS DISPLAYED ON THE KETTLE AND IN THE "USERS MANUAL" IS ESSENTIAL FOR THE SAFE AND PRODUCTIVE USE OF THIS KETTLE.

THIS MACHINE PUMPS CAUSTIC MATERIAL AT HIGH PRESSURE AND TEMPERATURE. DO NOT POINT SPRAY WAND AT A PERSON OR ANY SURFACE YOU DO NOT WANT TO COAT WITH TACK.

DO NOT SMOKE WITHIN 50 FT OF THIS KETTLE. OUTSIDE OF TANK GETS HOT WHILE OPERATING.

DO NOT OPERATE KETTLE WHILE UNDER THE INFLUENCE OF DRUGS, ALCOHOL OR MEDICATION.

HEAT TACK ACCORDING TO TACK MANUFACTURERS RECOMMENDATIONS.
SEE TACK CONTAINER FOR MATERIAL MANUFACTURERS RECOMMENDATIONS.

DO NOT USE FIBER BASED TACK IN THIS KETTLE. DAMAGE TO PUMP AND SPRAY WAND WILL RESULT.

NEVER LIGHT BURNER WITH ANYTHING BUT THE LIGHTER WAND PROVIDED WITH KETTLE.

SET VAPOR PRESSURE AT 15 PSI AND BURNER VALVE AT HALF OPEN. THIS PROVIDES QUICK HEATING OF TACK AND WILL PREVENT LOCAL OVERHEATING OF TACK.

DO NOT SERVICE PUMP, WAND, BURNER OR ANY OTHER PART OF THE MACHINE WITH ENGINE AND OR BURNER RUNNING. DISCONNECT LPG TANK WHEN SERVICING BURNER.

NEVER LIGHT BURNER WITHOUT THE FLUE TUBES COMPLETELY COVERED WITH TACK. UNCOVERED FLUES GET TOO HOT AND CAN CAUSE A FIRE OR FLASH AND SERIOUS INJURY.

ALWAYS HAVE AT LEAST 2 INCHES OF TACK ABOVE FLUES WHILE HEATING THIS KETTLE.

ASSUME SOLVENTS USED TO FLUSH PUMP AND WAND ARE FLAMMABLE AND HANDLE AS SUCH.

WEARING IMPROPER OR INADEQUATE CLOTHING WHILE OPERATING THIS KETTLE MAY RESULT IN SERIOUS INJURY. SEE USERS MANUAL FOR RECOMMENDATIONS REGARDING PROPER PROTECTIVE CLOTHING.

NEVER LEAVE A KETTLE UNATTENDED. IT IS IMPORTANT THAT THE OPERATOR UNDERSTAND ALL THESE INSTRUCTIONS BEFORE OPERATING KETTLE AND MONITORS TACK TEMPERATURE CLOSELY TO AVOID OVERHEATING THE TACK.

P/N 161165