



Husky

MODEL #602503, #602504 & #602582
Recommended Installation, Maintenance
and Inspection Instructions

Conventional Safe-T-Squeeze® Nozzle

**6025
Nozzle**

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS IN A READILY ACCESSIBLE LOCATION.

⚠ WARNING Designed for use at motor fuel dispensing facilities only.

INSTALLATION INSTRUCTIONS

1. Turn off dispenser and relieve line pressure.
2. Use pipe thread sealant (not Teflon® tape) approved for gasoline on the male threads of the hose section.
3. Tighten approximately 1 to 2 turns past hand tight - do not overtighten.
4. Test nozzle for proper automatic shut off between 5 - 10 gpm / 18.9 - 37.9 Lpm.
5. Test nozzle for bellow interlock shut off.

DO NOT OVERTIGHTEN. USE WRENCH ON HOSE NUT ONLY.

IF DRIVE OFF OCCURS

- Turn off dispenser and relieve line pressure.
- Visually check for fractured spout shear groove.
- Pressurize system and visually inspect for leaks.
- Check for damage to bellow - bent, out of round, rips, tears, elongated.
- Check spout tip - should be round and sensing port should be clear of debris.
- Perform flow test of nozzle automatic shut off between 5 - 10 gpm / 18.9 - 37.9 Lpm.
- Check bellow interlock.
- Check for electrical conductivity.

TESTING / MAINTENANCE / INSPECTION



Daily

- Check for leaks / stains.
- Check for loose spouts.
- Check for damage.
- Check for bent / broken lever.
- Check for broken clip / trigger spring.
- Check for damaged / torn bellow.



Monthly

- Check bellow interlock.
- Check nozzle automatic shut off between 5 - 10 gpm / 18.9 - 37.9 Lpm.
- Check "remove after" date.



Annually

- Check for electrical conductivity.
- Lubricate main valve stem.

- All drive aways, maintenance and inspection activities must be logged using the serial number of the individual product.
- Apply city, state, or federal testing regulations as appropriate.

**ANY TEST / INSPECTION FAILURE
REQUIRES IMMEDIATE EQUIPMENT
REPLACEMENT OR REMOVAL FROM
SERVICE.**

MADE IN THE USA

**ALWAYS ADHERE TO INSTALLATION / USAGE INSTRUCTIONS AND WARNINGS.**

Improper use may result in injury, damage, or hazardous spill.

**GENERAL WARNINGS / INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK OR INJURY TO PERSONS:**

- Use of equipment is at individuals' own risk.
- Always abide and adhere to city, state, and federal regulations regarding use and installation of dispensing equipment.



- Always follow the product manufacturer's installation and maintenance instructions.
- Always turn off all power to dispenser during maintenance and inspection activities.
- Always close the shear valves during maintenance and inspection activities.



- Always relieve pressure from system prior to performing maintenance activities.



- Always check continuity after installation using a megohmmeter (Refer to PEI RP 400 for details).
- Always replace or remove from service damaged or leaking dispensing equipment immediately.



- Always report leaks / spills / accidents to appropriate authorities.
- Always wear appropriate safety equipment during maintenance activities.



- Always have appropriate fire extinguishing equipment within 5 ft / 1.5 m of dispensers.
- Always use pipe sealant approved for gasoline service.



- Always place containers on the ground before filling.



- Always discharge static electricity before using or servicing equipment by touching a metal part of the dispenser before and after fueling vehicle.



- Never smoke within 20 ft / 6.1 m of dispensers.
- Never keep in service past recommended life.



- Never leave the nozzle unattended while dispensing fuel.



- Never use sparking or flaming devices within 20 ft / 6.1 m of dispensers.



- Never use power tools near dispensers or to aid in the installation process.



- Never use cell phone within 20 ft / 6.1 m of dispensers.



- Never reenter car when fueling vehicle.
- Never allow gasoline to touch eyes or skin.

CAUTION: DO NOT TOP OFF!
Topping off can lead to spills and splashes.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS IN A READILY ACCESSIBLE LOCATION.

WARRANTY

VAPOR PRODUCTS – Husky Corporation will, at its option, repair, replace, or credit the purchase price of any Husky® manufactured product which proves upon examination by Husky, to be defective in material and/or workmanship for a period of one (1) year of installation or fifteen (15) months from the manufacture date of shipment by Husky, whichever occurs first. The warranty period on repaired or replacement vapor recovery products is only for the remainder of the warranty period of the defective product.

CONVENTIONAL PRODUCTS – Husky Corporation will, at its option, repair, replace, or credit the purchase price of any Husky manufactured product which proves upon examination by Husky, to be defective in material and/or workmanship for a period of one (1) year from the manufacture date of shipment by Husky.

Buyer must return the products to Husky, transportation charges prepaid. This Warranty excludes the replaceable bellow, bellow spring assembly, spout assembly and scuff guard, unless (i) damage is obvious when the product is removed from shipping carton and (ii) the defective product is returned to Husky prior to use. This warranty does not apply to equipment or parts which have been installed improperly, damaged by misuse, improper operation or maintenance, or which are altered or repaired in any way.

The warranty provisions contained herein apply only to original purchasers who use the equipment for commercial or industrial purposes. There are no other warranties of merchantability, fitness for a particular purpose, or otherwise, and any other such warranties are hereby specifically disclaimed.

Husky assumes no liability for labor charges or other costs incurred by Buyer incidental to the service, adjustment, repair, return, removal or replacement of products. Husky assumes no liability for any incidental, consequential, or other damages under any warranty, express or implied, and all such liability is hereby expressly excluded.

Husky reserves the right to change or improve the design of any Husky fuel dispensing equipment without assuming any obligations to modify any fuel dispensing equipment previously manufactured.

OPERATION INSTRUCTIONS

1. Activate dispenser.
2. Insert spout into fill pipe opening until the bellow is compressed approximately 1/2 in / 12.7 mm.
3. Lower hose end of nozzle so the spout ring catches the inside of the fill pipe.
4. Raise the lever and begin fueling.
5. Nozzle will shut off automatically when the tank is full. Wait 15 seconds to allow any gasoline remaining in the spout to drain before removing the nozzle from fill pipe.

6. Remove nozzle from fill pipe by compressing bellow and raising hose end of nozzle.
7. Return nozzle to nozzle boot.

NOTE: If the nozzle is removed or falls from the fill pipe opening while dispensing, the bellow will be released causing the nozzle to shut off. The nozzle will not reopen until the bellow has been compressed again. This bellow interlock fulfills the NFPA Code 30A requirement for self-service nozzles with a hold open latch.

TROUBLESHOOTING GUIDE

Nozzle keeps shutting off or won't dispense...

1. Make sure dispenser is on and activated.
2. Insert nozzle farther into vehicle fill pipe.
3. Slow down flow rate - use lower notch on clip.
4. Clean spout tip end.
5. Check installation of bellow assembly.
6. Clean or replace filter.
7. Inspect Safe-T-Break®.
8. Replace spout assembly.

Nozzle won't shut off...

1. Check flow rate - minimum of 3 gpm / 11.4 Lpm required.
2. Remove nozzle and drain hose.

Nozzle dispenses without compressing bellow...

1. Replace bellow assembly.

Nozzle leaks...

1. Check for loose spout.
2. Check hose connection.
3. Check for cracks in nozzle and hose threads.

Low flow rate...

1. Remove Flo-Equalizer® (if equipped).
2. Verify dispenser is not in slow flow rate mode.
3. Check for system leak.

Flow rate above 10 gpm / 37.9 Lpm...

1. Verify Flo-Equalizer® being used - either inside or outside dispenser.
2. Check Flo-Equalizer® for debris.

FLO-EQUALIZER® INSTALLATION INSTRUCTIONS


Model 004490 Standard Flo-Equalizer®

1. Turn off dispenser and relieve line pressure.
2. Install pipe nipple (if necessary) to achieve proper flow direction.
3. Use thread sealant on male threads -- DO NOT use Teflon® tape.

4. Tighten snugly -- DO NOT overtighten.
5. Confirm nozzle is properly installed, pressurize the system and check for leaks.

NOTE: In the event of pressure differential in excess of 25 psi / 1.7 bar across the Flo-Equalizer® or the presence of debris obstructing movement of internal components, the Flo-Equalizer® output may exceed 10 gpm / 37.9 Lpm.

GENERAL TECHNICAL DATA

Fuel Type	Test and warranty for gasoline and diesel fuel
Flow Rate	Unleaded w/o Flo-Equalizer® = 14 gpm / 52.9 Lpm
Body	Die cast aluminum
Disc	Fluorocarbon
Packing	Double O-ring seal protected by Teflon impregnated Graphite
Lever	Two piece stamped steel construction with high impact polymer cover
Shipping Weight	Unleaded = 3.6 lbs / 1.6 kg
Threads	¾ in / 19 mm NPT
Spout	Unlead = 13/16 in / 20.6 mm O.D.
Case Quantity	15
Listings	

SPOUT REPLACEMENT INSTRUCTIONS

Model 006316 Complete Light Duty Diesel Spout Assy Kit
006317 Light Duty Diesel Spout Kit
006648 Complete Unleaded Spout Assy Kit
00651 Unlead Spout Kit
007380 Complete Unlead Drip Less Spout Assy Kit
007385 Unlead Drip Less Spout Kit

1. Turn off dispenser and relieve line pressure.
2. Remove nozzle from hose and drain fuel into approved container.
3. Remove bellow and slider clamps (discard).
4. Slide bellow off collar and slider.
5. Separate slider nut into two (2) halves and remove.
6. Remove old push pin.
7. Remove spout lock nut.
8. Remove old spout by gently twisting vent tube off nozzle support.
9. Place new spout seal into nozzle body groove.
10. Insert new spout into body making sure vent tube is in the port (gentle twisting required).
11. Install new push pin.
12. Reinstall spout lock nut - tighten nut while holding

- spout in proper alignment. Tighten approximately ½ turn past hand tight - do not overtighten.
13. Assemble both halves of slider assembly (one at a time) over spout lock nut - align large front groove toward the spout tip end.
 14. Snap the two (2) halves together by hand. Confirm assembly moves freely over the spout lock nut.
 15. With the spout end facing toward you, align slider tabs at the 3 and 9 o'clock position.
 16. Slide new slider clamp on bellow inner groove (do not tighten).
 17. Slide new bellow clamp on large outer groove of bellow (do not tighten).
 18. Slide bellow assembly over new spout, slider and collar assemblies.
 19. Confirm holes in the bellow and the ear on the new slider clamp are at the 6 o'clock position - push back on face plate and tighten slider clamp.
 20. Confirm bellow assembly is seated on the collar assembly.
 21. Verify new bellow clamp is in groove, rotate so the ear is at the 6 o'clock position, then tighten clamp.
 22. Check interlock function to assure proper assembly.

BELLOW ASSEMBLY REPLACEMENT INSTRUCTIONS

Model 006649 Complete Bellow Assembly Kit

1. Turn off dispenser and relieve line pressure.
2. Remove nozzle from hose and drain fuel into approved container.
3. Remove bellow and slider clamps (discard).
4. Slide bellow off collar and slider (discard).
5. Slide new bellow clamp onto large outer groove of bellow.
6. With the spout end facing toward you, align the slider tabs at the 3 and 9 o'clock position.

7. Slide new bellow assembly over spout, slider and collar.
8. Confirm the holes in the bellow and the ear on the new slider clamp are at the 6 o'clock position - push back on face plate and tighten slider clamp.
9. Confirm bellow assembly is seated on the collar assembly.
10. Verify new bellow clamp is in groove, rotate so the ear is at the 6 o'clock position, then tighten clamp.
11. Check interlock function to assure proper assembly.

HOLD OPEN CLIP INSTALLATION / REMOVAL INSTRUCTIONS

Model 003593 Hold Open Clip Kit

INSTALLATION

1. Remove nozzle from hose and drain.
2. Position latch spring under latch clip and hold them in place. The latch clip should straddle the mating holes in the trigger lever.
3. Insert latch rivet through latch clip and lever, making sure latch spring is secured in position by the rivet.
4. Install push nut on rivet - DO NOT hammer in place.
5. Squeeze lever several times to check operation.
6. Verify clip and lever are parallel.

NOTE: Field installation of the hold open clip is NOT UL approved because improper installation may cause the nozzle to fail.

REMOVAL

1. Remove nozzle from hose and drain.
2. Place nozzle on a flat surface in safe location.
3. Hold up on the latch clip to prevent rivet from rotating.
4. Drill off the riveted end using a ¼ in / 6.4 mm bit.
5. Remove latch clip, rivet and torsion clip spring.
6. Do not remove latch plate.

NOTE: Nozzles can be ordered without clips.

GUARD REPLACEMENT INSTRUCTIONS

Model 006483* Full Grip Nozzle Guard

1. Turn off dispenser and relieve line pressure.
2. Remove nozzle from hose.
3. Remove bellow assembly (see bellow assembly replacement instructions above).
4. Remove old guard (cut guard if necessary).
5. Install new guard over spout, slider and collar.

6. Pull back guard to cover nozzle body. Make sure front opening of guard is behind flange of collar.
7. Re-install bellow assembly (see bellow assembly replacement instructions above).
8. Check interlock function to assure proper assembly.
9. Re-install nozzle onto hose.

*Includes 005920 & 005934 clamps

ACCESSORIES

Model 000397 Unleaded spout gauge

Model 005934 Bellow Clamp

Model 007377 Collar Assembly

Model 005920 Slider Clamp

Model 006497 Oetiker Clamp Tool

Model 007381 Slider Assembly