

REVERSE TAP INS

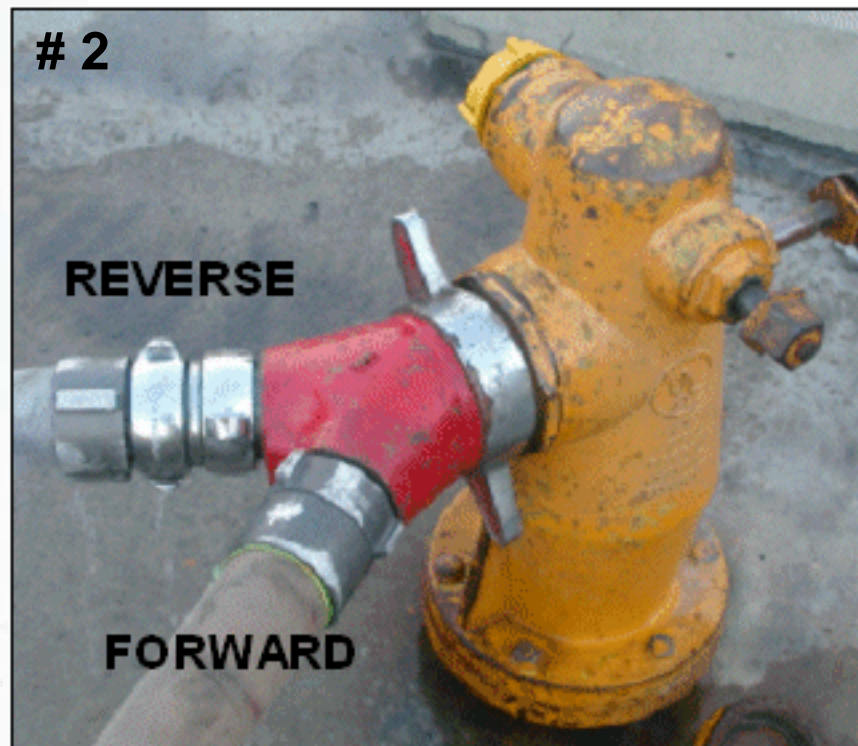
- This evolution is performed in order to allow a single firefighter to safely “tap into” a reverse hose lay.
- Used to increase the number of attack lines in use on an active fire.
- Items required for a reverse tap in:
 - hose, hose clamp, nozzle, double-male fitting, spanner wrench(es), & siamese





REVERSE TAP INS

- **Step # 1** is to understand the evolution you're being asked to perform and to remember the items required for the evolution. Items required for forward and reverse tap ins are slightly different, so ensure you understand the instructor's directions before you begin the evolution.
- Hose line for reverse tap in will be the hose line with the double female fitting. (Photo #2) (Reverse tap in line on both accompanying photos will be the line on the left as you face either the pump panel or the hydrant.)





REVERSE TAP INS

- **Step # 2:** Perform a one firefighter fold and carry off the rear bed of the apparatus. Dress the hose pack to the point shown in Photo #3.
- **Step # 3:** Proceed to the apparatus and retrieve the appropriate tools and fittings. (Photo #4)
 - Note: Unnecessary trips to the engine to retrieve fittings, appliances, & tools results in lives lost on the fireground. Make one trip – grab everything you need the first time.



REVERSE TAP INS

- **Step # 4:** Return to the hose pack and **affix the nozzle to the hose first.** (This will prevent you from accidentally connecting the siamese to the wrong coupling.) (Photo #5).





REVERSE TAP INS

- **Step # 5:** Next step is to connect the siamese to the hoseline, dress your hose pack and prepare for the carry.

- Note: the instructor will, for example, instruct you to give him or her a “reverse tap in on the left side.” Your first challenge is to understand which line requires a forward tap-in evolution.



- Once you've determined which line to tap into, pick up the siamese and face the nozzle (fire). Position the male end of the siamese facing **toward** you (with the siamese's feet in the palm of your hand) and the two female ends of the siamese facing **away** from you. Choose the left female coupling of the siamese and connect that coupling to your double male fitting and then to the hose. This step will ensure you connect the correct side of the siamese to the hose. (Photo #6)

REVERSE TAP INS

- **Step # 6:** Connect the siamese (with the double male fitting already attached) to your hose pack. (Photo #7)



- **Step #7:** Dress your hose pack. Kick an indentation approximately one foot behind the nozzle. (Photo #8)



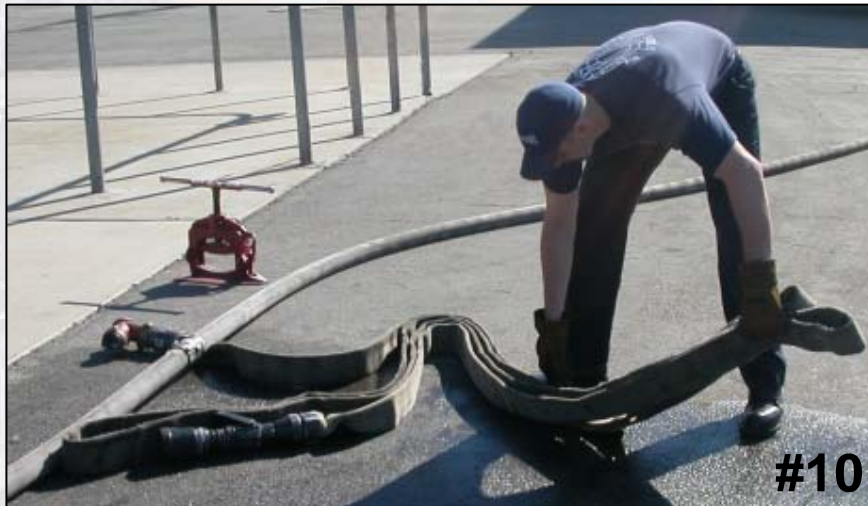
*Don't forget to
check and call
"GASKET!"
whenever you
connect hoselines
and appliances
together.*

REVERSE TAP INS

- **Step # 8:** Pick up hose pack, fittings, tools, and appliances and proceed to the coupling on the charged hoseline you'll tap into. (Photo #9)
- **Step # 9:** Ground the hose pack at first coupling (Photo #10) and place siamese under the existing, charged line (Photo #11).



#9



#10



#11



REVERSE TAP INS

- **Step # 10:** Extend the line to the right (or left as instructed) of the existing line until fully extended. Ground the nozzle and close the bail. Call **"NOZZLE DOWN – BAIL SHUT!"**
- **Step # 11:** Double time back to the coupling. Place hose clamp on existing line three to five feet behind the coupling. (Photo #12)
 - Firefighter's correct position is on left side of hose facing the nozzle. Correct placement for hose clamp is on right side of hose.
- **Step # 12:** Turn to the engineer and using big arm motion and a loud, fireground voice, call **"SHUTTING DOWN WATER!"** Turn to the fire and using big arm motion and a loud, fireground voice, call **"SHUTTING DOWN WATER!"** (Photo #13).





REVERSE TAP INS

- **Step # 13:** Clamp the line with a sense of fireground purpose, but not so fast that you cause a water hammer. (Photo #14).
- **Step # 14:** Double time to the existing, charged nozzle and bleed the line of existing water and water pressure. Call **"BLEEDING THE LINE!"** (Photo #15) When finished, ground the nozzle, close the bail and call **"NOZZLE DOWN – BAIL SHUT!"**



REVERSE TAP INS

- **Step # 15:** Double time back to the coupling and break it. (Photo #16)
- **Step #16:** Connect the female coupling of the siamese to the existing line. (Photo #17). Connect male coupling of the siamese to the remaining hose at the clamp. (Photo #18)





REVERSE TAP INS

- **Step # 17:** Return to the hose clamp. Turn to the engine and call “**TURNING ON WATER!**” using a loud fireground voice and big arm motion. Turn to the nozzles and call “**TURNING ON WATER!**” using a loud fireground voice and big arm motion. (Photo #19) Unclamp the line to charge both lines.
- **Step # 18:** Double time back to both nozzles and bleed the lines of entrapped air. Call “**BLEEDING THE LINE!**” Ground the nozzle and close the bail. Call “**NOZZLE DOWN – BAIL SHUT!**” (Photo #20)
- **END OF EVOLUTION**





REVERSE TAP INS

THINGS THAT SEPARATE THE "A" STUDENT FROM EVERYONE ELSE

- Double-time always.
- Know your apparatus. Know the location of every tool, fitting, & appliance before you begin the evolution.
- Immediately repeat all orders or directions back to the instructor.
- If you have questions, ask before you begin the evolution.
- Unnecessary trips to the engine to retrieve fittings, appliances, & tools can result in injuries or lives lost on the fireground. Make one trip – grab everything you need the first time.
- If you do forget something, take a second to regain your composure. Think about where you are in the evolution, recover, and continue.
- Don't drop your tools, appliances, or fittings.
- The fireground is a loud, chaotic place. When you shut down water or call for water – **YELL!**
 - Communication on the fireground is vital. Use eye contact, your voice, and arm motion to communicate with the engineer.



REVERSE TAP INS

THINGS THAT SEPARATE THE “A” STUDENT FROM EVERYONE ELSE

- Check and call (loudly) “**GASKET!**” each time you connect any male and female couplings, nozzles, hoses or appliances together.
- When you’re instructed to tap into a line off to the right:
 - place all of your tools, appliances, and fittings on the right.
 - stand on the left side of the hose (as you face the nozzle).
 - **place your right foot on the coupling and KEEP IT THERE.**
 - connect the siamese to the forward hoseline and connect the line at the clamp to the siamese without removing your foot.
 - this conserves energy, limits unnecessary movement, and will impress the instructor.
 - Reverse the foot if you’re instructed to tap into a line off to the left.
- Make sure the siamese’s feet are on the ground when you’re connecting it to the line!
- With enough practice, you shouldn’t need to use the spanner wrenches on this evolution. Hand tightening the couplings is enough to secure them with a minimum amount of leakage once you charge the line.