



FORWARD TAP INS

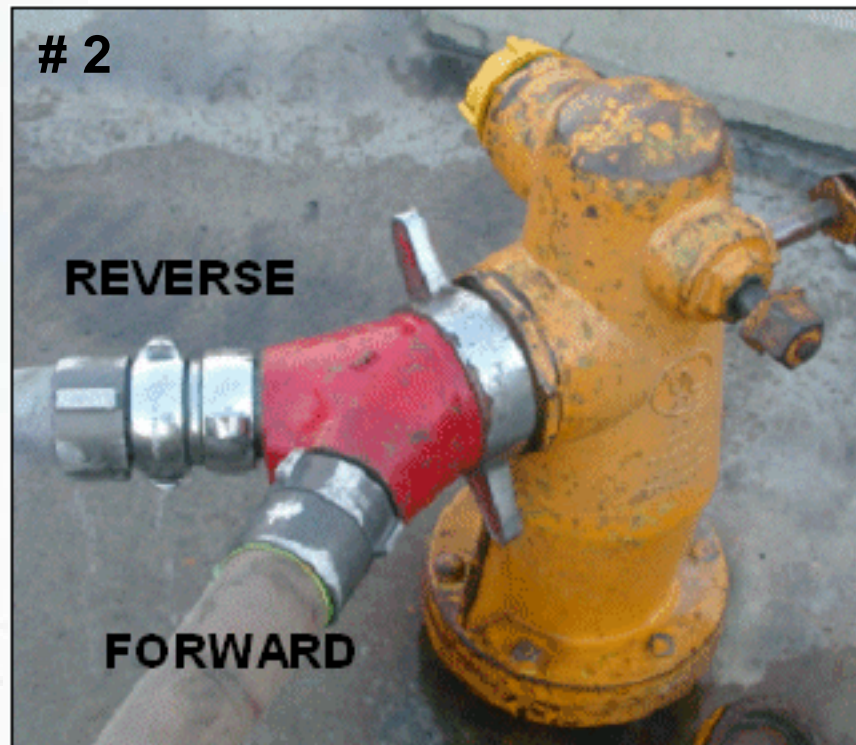
- This evolution is performed in order to allow a single firefighter to safely “tap into” a forward hose lay.
- Used to increase the number of attack lines in use on an active fire.
- Items required for a forward tap in are:
 - hose, hose clamp, nozzle, spanner wrench(es), & wye





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- **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 forward tap in will be the hose line without the double female fitting. (Photo #2) (Forward tap in line on both accompanying photos will be the line on the right as you face either the pump panel or the hydrant.)





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- **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.



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





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- **Step # 5:** Next step is to connect the wye 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 “forward tap in on the right 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 wye and face the nozzle (fire). Position the female end of the wye facing **toward** you (with the wye's feet in the palm of your hand) and the two male ends of the wye facing **away** from you. Choose the right male coupling of the wye and connect that side to your hose. This step will ensure you connect the correct side of the wye to the hose. (Photo #6)

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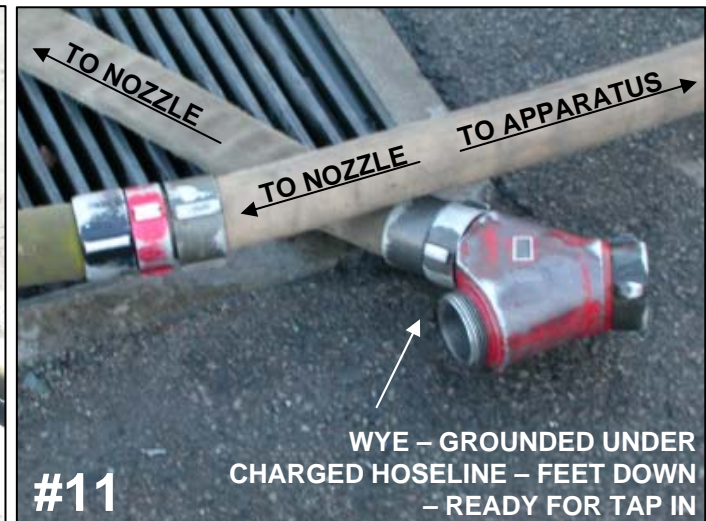
- **Step # 6:** Connect the wye to the female coupling of the line you're extending according to directions provided by the instructor. (Photo #7)
- **Step #7:** Dress your hose pack. Kick an indentation approximately one foot behind the nozzle. Drop to one knee and shoulder the hose pack. (Photo #8)



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

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- **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 wye under the existing, charged line. (Photo #11).





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- **Step # 10:** Extend the line to the left or right as instructed of the existing line until fully extended. Ground the nozzle and close the bail. Call “**NOZZLE DOWN – BAIL SHUT!**” (Photo #12)
- **Step # 11:** Double time back to the coupling. Place hose clamp on existing line three to five feet behind the coupling.
 - (Note: firefighter correct position is on left side of hose facing the nozzle. 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!**” Clamp the line and shut down the water. (Photo #13).





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- **Step # 13:** Double time to the existing, charged nozzle and bleed the line of existing water and water pressure. Call “**BLEEDING THE LINE!**” Ground the nozzle. Check and call “**NOZZLE DOWN – BAIL SHUT!**” (Photo #14)
- **Step # 14:** Double time back to the coupling in front of the hose clamp and break (disconnect) it. (Photo #15)
 - (Note the knee-press method of uncoupling the hose used in Photo #15. Most recruits will default to the one-firefighter foot-tilt method, but the knee-press method is equally effective.)



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- **Step #15:** Connect the female end of the wye to the existing hose. (Photo #16).
- **Step #16:** Connect male couplings of the wye to the two extended hose lines. (Photo #17) The result should mirror the connection in Photo #18.
 - Note that the wye is grounded properly – with the feet down. Feet pointed upward is incorrect.



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- **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)
- **Step #18:** Unclamp the line. Take care not to cause a water hammer. (Photo #20)





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- **Step # 19:** Double time back to both nozzles and bleed the lines of entrapped air. Call “**BLEEDING THE LINE!**” Ground the nozzle and call “**NOZZLE DOWN – BAIL SHUT!**” after you close the bails on each nozzle. (Photo #21)
- **END OF EVOLUTION**





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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 results 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.



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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 wye to the forward hoseline, and connect the line at the clamp to the wye 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 wye’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.