HYDRANT OPERATIONS

OVERVIEW

- WHY ?
- STEPS TO TAKING A HYDRANT
- PROBLEMS ENCOUNTERED
- FIRE GROUND PACE

WHY DO WE TAKE the HYDRANT ?

- Because IFSTA requires ?
- Don’t know another way ?
- Like extra work ?
- Like to Leave a Fire Fighter ?

WHY DO WE TAKE the HYDRANT ?

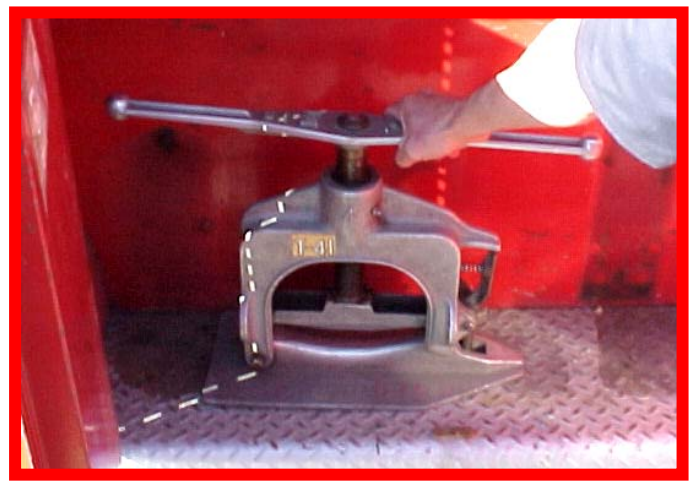
- **FORWARD LAY**
  - **Hose laid from water source to the fire**
  - **Water source is the hydrant**
  - **Engine must stay at the fire location**
- **HOSE BED**
  - **1st Coupling = Female**

(IFSTA)

STEP 1
Equipment on Apparatus

- Proper Equipment placed on Apparatus
  - Fittings
  - Spanner Wrench
  - Hose Clamp

STEP 1
Equipment on Apparatus



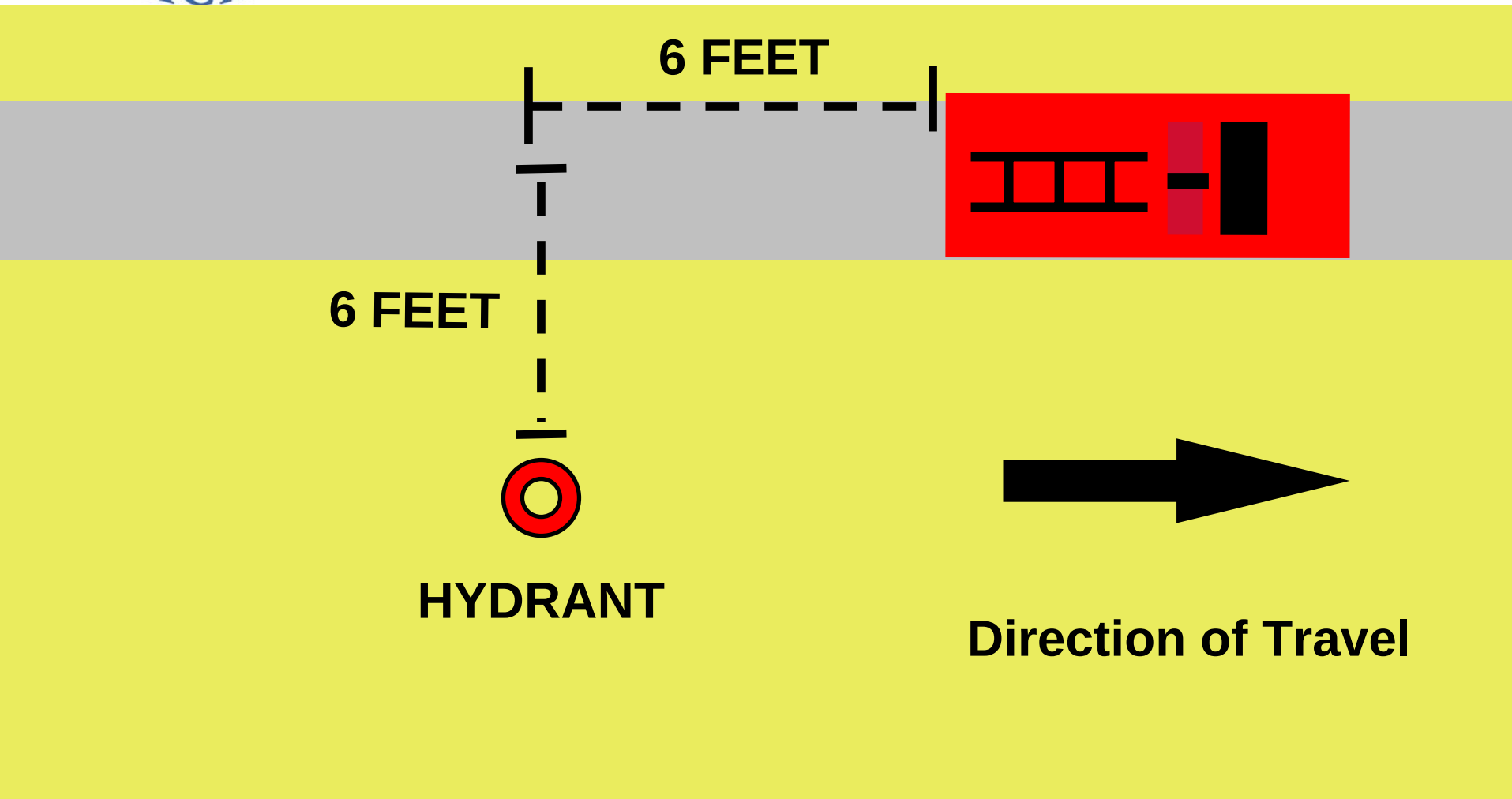
STEP 2
Positioning Apparatus

- **Pull Apparatus Next to Hydrant**
- **Spacing = Roughly 6 Feet away from Hydrant**
- **Spacing = Roughly 6 Feet past Hydrant**
- **Capt gives Command to the Firefighter**

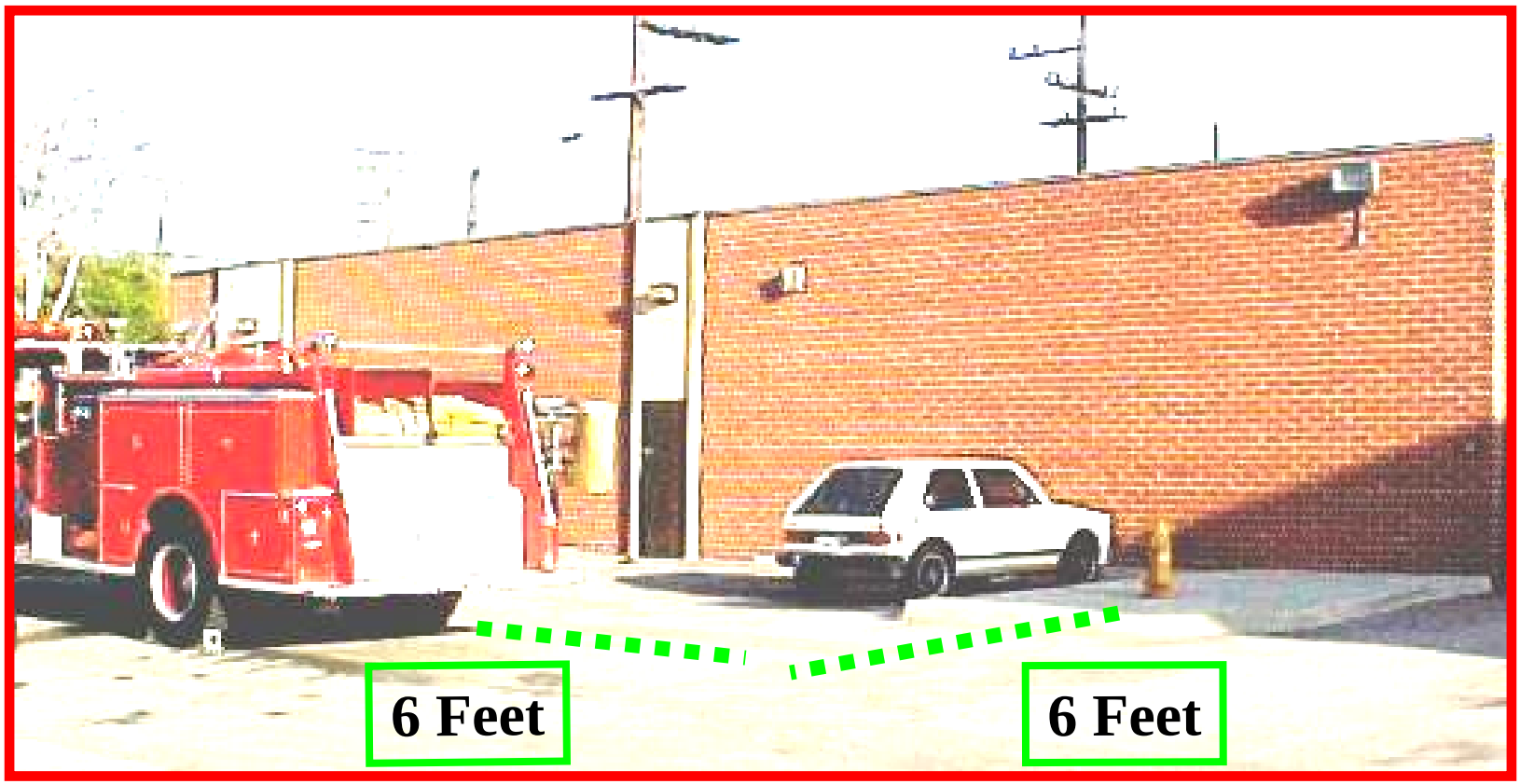
"Take the Hydrant"

- **NOTE - Apparatus MUST be properly positioned & come to a complete stop !!**

STEP 2
Positioning Apparatus



STEP 2
Positioning Apparatus



STEP 2
Positioning Apparatus

CAPT ORDERS FIREFIGHTER

TAKE THE HYDRANT

STEP 3
Firefighter Exits Apparatus

- Firefighter exits Apparatus
- Firefighter faces Tailboard
- Firefighter grabs Supply Hose & Wrench
- Firefighter turns & exits Tailboard properly

- NOTE - Firefighter grabs Spanner Wrench & LDH in one move, NOT two separate moves

STEP 3
Firefighter Exits Apparatus

FIREFIGHTER EXITS APPARATUS

STEP 3
Firefighter Exits Apparatus

EXIT FACING FORWARD

HOSE PROPER POSITION

SPANNER WRENCH

STEP 3
Firefighter Exits Apparatus

IMPROPER EXIT FACING BACKWARD

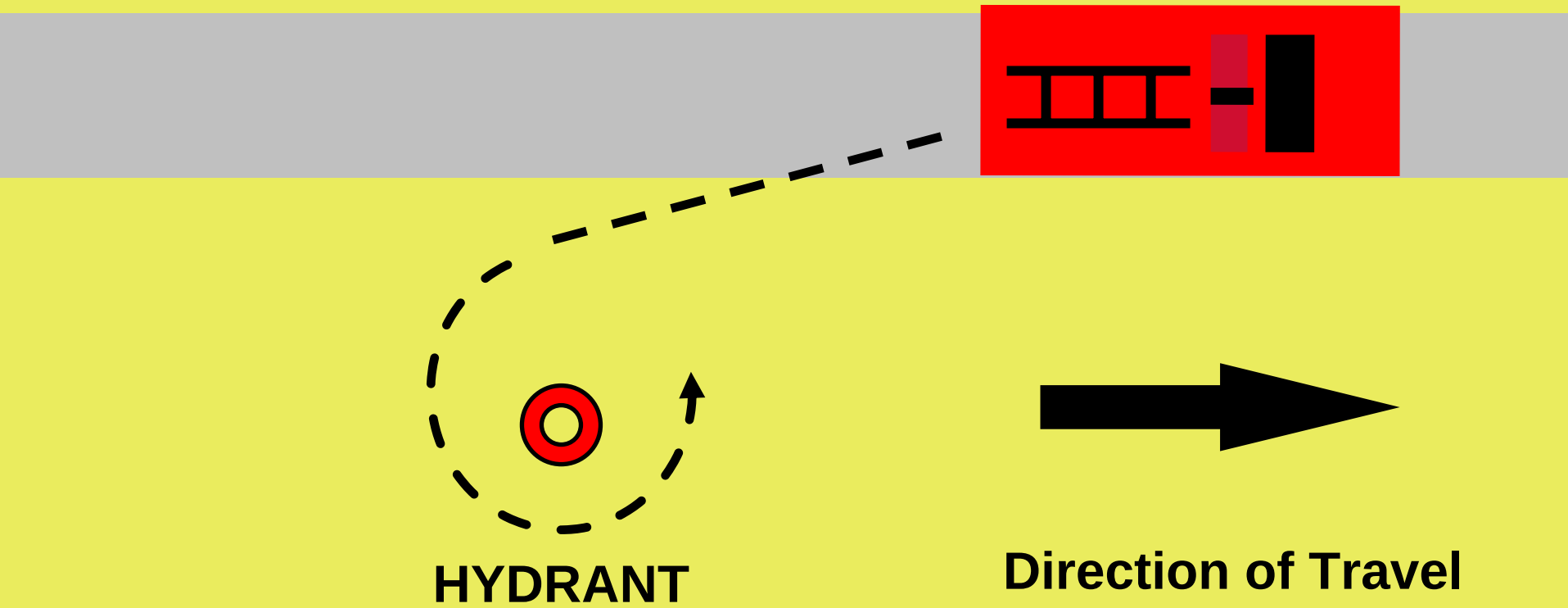
STEPING OFF BACKWARD

STEP 4
Firefighter Takes Hydrant

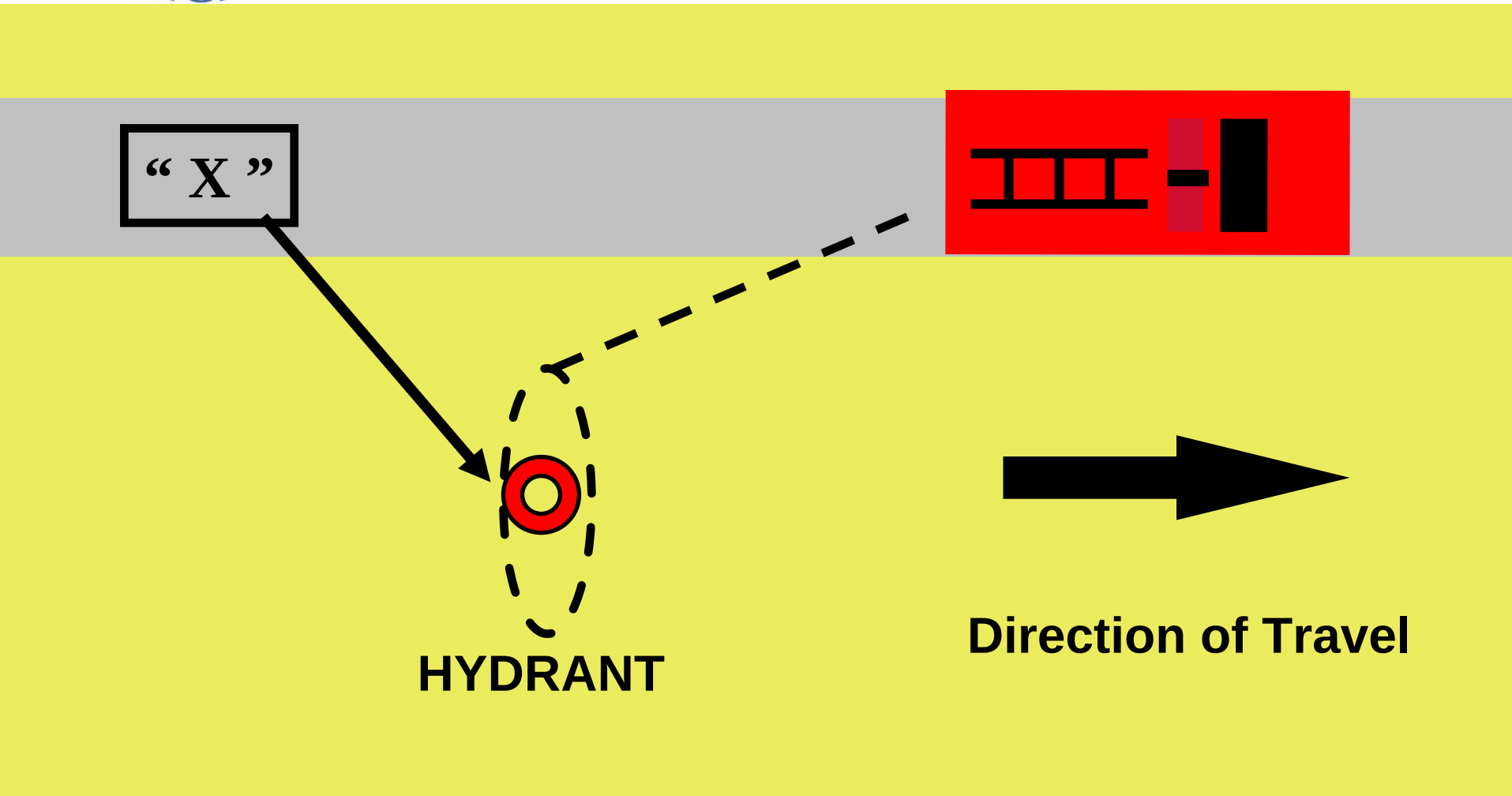
- Firefighter takes Hose around Hydrant
- Firefighter has slack to wrap Hydrant
- Firefighter makes Loop
- Firefighter stands on “ X ”
- Firefighter faces with back away

- NOTE - Firefighter may connect Spanner Wrench to Hydrant if time permits

STEP 4
Firefighter Takes Hydrant



STEP 4
Firefighter Takes Hydrant



STEP 4
Firefighter Takes Hydrant

WRAP HYDRANT

ENOUGH SLACK TO CONNECT

STEP 4
Firefighter Takes Hydrant

COUPLING BEHIND Firefighter

BACK TO THE COUPLING

“ X ”

STEP 4
Firefighter Takes Hydrant

IMPROPER FACING

FRONT TO THE COUPLING

STEP 5
Firefighter Signals

- **Firefighter makes visual contact with Engineer or Captain**
- **Firefighter yells <u>"TAKE OFF"</u>**
- **Firefighter uses Hand Signals**

STEP 5
Firefighter Signals

VISUAL CONTACT

TAKE OFF

“ X ”

STEP 5
Firefighter Signals

VISUAL CONTACT WITH ENGINEER OR CAPTAIN

“ TAKE OFF ”

STEP 6
Connecting to Hydrant

- Firefighter waits for 2nd Coupling to Drop
- Firefighter unscrews Hydrant Cap
- Firefighter unwraps Hose from Hydrant
- Firefighter checks for Gasket
- Firefighter connects Hose to Hydrant
- Firefighter Yells <u>“Gasket”</u>

- NOTE - Do <u>NOT</u> connect without checking Gasket

STEP 6
Connecting to Hydrant

UNWRAP HOSE

FACE HYDRANT

CONNECT HOSE

GASKET

STEP 7
Opening Hydrant

- **Firefighter waits for call for "WATER"**
- **Firefighter yells "WATER COMING"**
- **Firefighter opens Hydrant facing Stem counter-clockwise**

(At a pace to avoid a Water Hammer !)

- **Firefighter removes kinks in supply line en-route to reporting to Captain**

STEP 7
Opening Hydrant

WAIT FOR "WATER" CALL

"WATER COMING"

AVOID WATER HAMMER

STEP 8
Dress Hose

ENSURE HOSE RUNS STRAIGHT OFF HYDRANT

STRAIGHTEN KINKS

STEP 8
Dress Hose

- **Firefighter ensures Hose is coming off of Hydrant & removes kinks on the way back to join Engine Company**

STEP 8
Dress Hose

STRAIGHTEN
SUPPLY
LINE

STEP 8
Dress Hose

STRAIGHTEN
SUPPLY
LINE

REPORT
TO
CAPTAIN

STEP 9
Engineer Hose Clamp

CLAMP
Approximately
5 Feet on Incoming
Water Side

ALWAYS
Clamp From Right
To Left
(Water Source
Behind You)

STEP 9
Engineer Hose Clamp

SECURE FOOTING

ALWAYS Clamp From Right To Left (Water Behind)

STEP 9
Engineer Hose Clamp

IMPROPER CLAMPING PROCEDURE

DO NOT LIFT CLAMP OFF OF THE GROUND

STEP 10
Connect to Intake

PROPER CONNECTION TO THE INTAKE

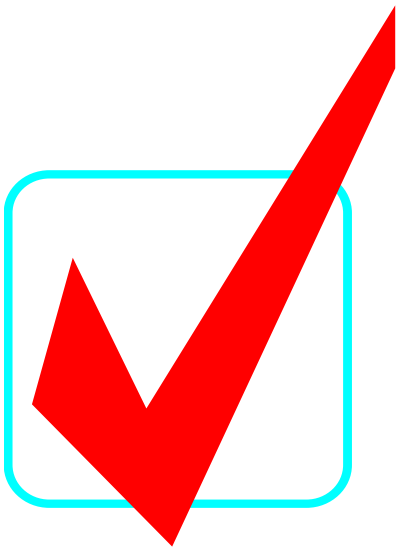
GASKET

DOUBLE FEMALE

Handling Obstructions

Fire Ground Pace

- Skill is achieved with HUSTLE



- DOUBLE TIME Pace

HYDRANT OPERATIONS

Questions