



Job Performance Review

Torch Cutting Operations – Exothermic Cutting

Individual Level Competency

JPR Title

Torch Cutting Operations – Exothermic Cutting

JPR Number

JPR-TR-6

Reference

NFPA 1670 – Standard on Operations and Training for Technical Search and Rescue Incidents

OSHA 1910.253 Oxygen-Fuel Gas Welding and Cutting

ANSI Z49.1 Safety in Welding, Cutting and Allied Processes

IFSTA Essentials of Firefighting

ATFD Standards of Cover and Risk Analysis

Performance Criteria

Firefighter is able to articulate the various aspects of establishing Exothermic Torch Cutting operations as identified below.

Time Parameters

Safe and efficient manner

Safety Precautions

Space allocation to prevent injury to self or others while operating

Appropriate PPE

Attention to surroundings

Procedure

The procedure for establishing this operation is reviewed below on page 2.

Firehouse Software Evaluator Notes

Link to “General Training in the Rescue Section” of FHS

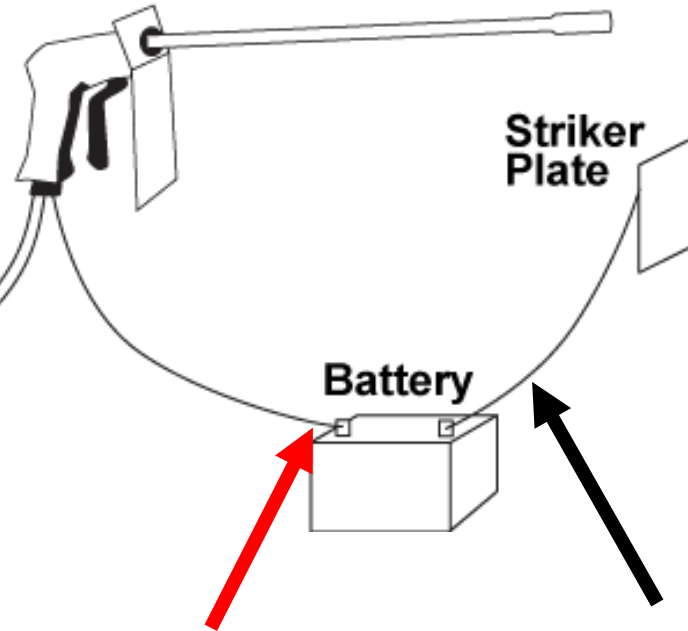
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EXOTHERMIC CUTTING TORCH SET-UP



Green Torch Hose
Connected to Oxygen
or Compressed Air
Set at 80psi
Terminal



Torch Lead to Positive Terminal

Striker Plate to Negative

1. CONNECT TORCH POWER LEAD TO POSITIVE TERMINAL ON BATTERY PACK
2. CONNECT GREEN AIRLINE TO AIR SUPPLY
3. TURN ON AIR SUPPLY AT 80 PSI
4. CONNECT STRIKER PLATE LEAD TO NEGATIVE TERMINAL ON BATTERY PACK
5. INSERT CUTTING ROD FIRMLY INTO TORCH TIP AND SECURE COLLET RING
6. PULL TRIGGER AND ENSURE OXYGEN FLOW
7. SLIDE/TAP CUTTING ROD ALONG STRIKER PLATE UNTIL IGNITED - BEGIN CUTTING