FIRST RESPONDERS’ GUIDE TO
HELICOPTER EMERGENCY SHUTDOWN
PROCEDURES

Brought to you by the
Missouri Association of Air Medical Services
Emergency Procedure

Numerous agencies collaborated to provide the most up-to-date information regarding air frame specific shutdown procedures.

**Utilize pilot and crewmember instructions first**

If occupants are incapacitated, dead, or otherwise unable to provide direction this tool should be useful making the aircraft safer to conduct emergency operations.

If occupants are incapacitated and the aircraft rotors are still rotating under power emergency responders can consider directing a stream or streams of water into the air intake of the aircraft to drown and force an engine shutdown.

Each airframe has different air intake manifolds but usually forward of the rotor mast on the top of the aircraft.
Emergency Contact

Air Evac Lifeteam: 1-800-247-3822
Arch Air Medical: 1-800-325-5400
Cox Air Care: 1-800-325-5400
LifeFlight Eagle: 1-800-422-4030
(Air Methods) LifeNet: 1-800-325-5400
Mercy Life Line: 1-800-433-5433
Survival Flight: 1-877-581-5558
University of Missouri Staff for Life: 1-800-325-5400

You will speak to the dispatch center for the designated aircraft
Please leave a call back number and a representative will call.
Emergency Contact

Suggested Communication Format:

This is (caller’s name) with (caller’s service)

I am on scene with your downed aircraft (tail number).

We are located at (gps coordinates or compass directions from major roadway)

The aircraft has been secured.

Your crew are: (Only to be given out if you are calling via phone from the scene.)

Pilot- (black or red) Nurse- (black or red) Medic- (black or red) Patient- (black or red)

(If you have to relay information over the radio please avoid using staff or patient
designations when giving black or red triage status.)
Bell 206 Long Ranger Emergency Shut Down

From Pilot’s Seat

1. Depress Detent Button Throttle twist clockwise to off—matching strips

2. Fuel Shut-off

Lift gate and move switch down to off.
Bell 206 Long Ranger Emergency Shut Down

Oxygen Shut-off

1. Lift gate and flip switch down to off
2. Pull Lever forward

Battery Power Shut-off

3. Rotor Brake
4. Move Batter Switch up to off and Generator switch to center off.
Bell 407 Emergency Shut Down

From Pilot’s Seat
Depress Detent Button. Twist throttle clockwise where off aligns to mark.

Fuel Shut-off
Lift gate and move switch down to off
Bell 407 Emergency Shut Down

3. Oxygen Shut-off
   - Pull lever forward
   - Lift Gate and move switch to off

4. Rotor Brake
   - Move switch to off

5. Battery Power Shut-off
   - EMS Power lift and move switch to off
AS 350 A-Star Emergency Shut Down

From Pilot’s Seat

Fuel Shut-off

1. Grab red round handle and pull towards the rear.

Throttle Lock

2. Grab yellow handle pull slightly towards the door then to the rear.
AS 350 A-Star Emergency Shut Down

**3**
Grab Orange handle and pull towards the rear.

**4**
Push red button

**5**
Grab T Handle at the rear inside of the pilot’s seat and pull up.

Any bright orange handles will disengage the door it is attached to when pulled towards the rear.

Battery Power
EC 130 Emergency Shut Down

From Pilot’s Seat
Lift Red gate and move switch down to off position.

Fuel Shut-off
Displace red gate and move lever aft.
EC 130 Emergency Shut Down

**Battery Power Shut-off**
- Depress both top left buttons

**Rotor Brake**
- Depress switch and pull lever aft.

**Oxygen Shut-off**
- Push T-Handle Down

1. Oxygen Shut-off
2. Push T-Handle Down
3. Battery Power Shut-off
4. Rotor Brake
5. Depress switch and pull lever aft.
EC-135 Emergency Shut Down

From Pilot’s Seat

1. Lift Red Gate on both ENG 1 & 2

Fuel Shut-off

2. Lift secondary red gate. Pull switch, move to idle. Pull switch again and move to off for both
EC-135 Emergency Shut Down

Battery Shutdown and off position of ENG switches

Move BAT MSTR switch to center position (OFF)

Rear doors window ejection—interior

Pull cord and push on dots on bottom of window

Rear doors window ejection—exterior

Lift red tab and pull cord and push dots on windows

Oxygen Shut-off

Between two pilot seats push T-Handle down to shut-off
BK-117 Emergency Shut Down

From Pilot’s Seat

Fire Control—Fuel Shut off

1. Lift Red Gates and flip switches on both 1 & 2

Battery Shut Off

2. Move switches aft
BK-117 Emergency Shut Down

3. Flip arm switch up on both engines

4. Move both levers aft to idle

5. Depress Detent Button and move both levers aft to off markers

Oxygen Shut-off. Either pull up Green Lever, Toggle Switch on control panel or in patient compartment
EC-145 Emergency Shut Down

1. Rotate both throttles counter-clockwise to idle.
   Depress red detents and finish rotating until off.

2. Lift red gates and depress both buttons.

From Pilot’s Seat

Fire Control—Fuel Shut off
EC-145 Emergency Shut Down

1. Rotate belt clockwise to open
2. Battery Shut Off
3. Rotor Brake from pilot’s seat. Lift up.
4. Turn screw until cable can be disconnected.
5. Oxygen Shut-off. Either pull up Green Lever, Toggle Switch on control panel or in patient compartment.
MD-902 Emergency Shut Down

From Pilot’s Seat

1. Lift Red Gates and flip switches on both 1 & 2

Secondary Engine Shutdown—If Fuel shut-off fails

2. Lift and turn knob to idle then lift and turn to off on both.
MD-902 Emergency Shut Down

3. Tertiary Engine Shutdown—if other methods fail
   Rotate both columns counter clockwise

4. Match Red Off Arrow with vertical arrow

5. Battery Shutdown
   Lift Switch and move to center off position

Oxygen Shut-off
Between two pilot seats under Velcro cover move switch down. Oxygen cylinders are located through the aft door.