

**ROCKVILLE VOLUNTEER  
FIRE DEPT.**



**SUPPORT UNIT 703**  
**2016 RAM 4500**  
**8-16-8184**





# Outline

This presentation is designed to provide quick reference of the following for the incumbent driver on SU703:

- Quick Guide Specifications (critical numbers)
- Daily / Routine Maintenance
- Vehicle Role / Qualifications
- Equipment Carried / Operation



# Quick Guide Specifications

## Vehicle

|                      |            |
|----------------------|------------|
| CHASSIS              | RAM 4500   |
| LENGTH               | 23'        |
| WIDTH                | 9' 2"      |
| HEIGHT               | 7' 4"      |
| WHEELBASE            | 14' 5"     |
| GROSS VEHICLE WEIGHT | 13,100 lbs |



# Quick Guide Specifications

## Fluid Capacities

|                           |             |           |
|---------------------------|-------------|-----------|
| Fuel Tank                 | 52 Gallons  | Diesel    |
| Diesel Exhaust Fluid Tank | 9 Gallons   | DEF Fluid |
| Oil Reservoir             | 12 Quarts   | 15W-40    |
| Coolant Reservoir         | 5.7 Gallons |           |



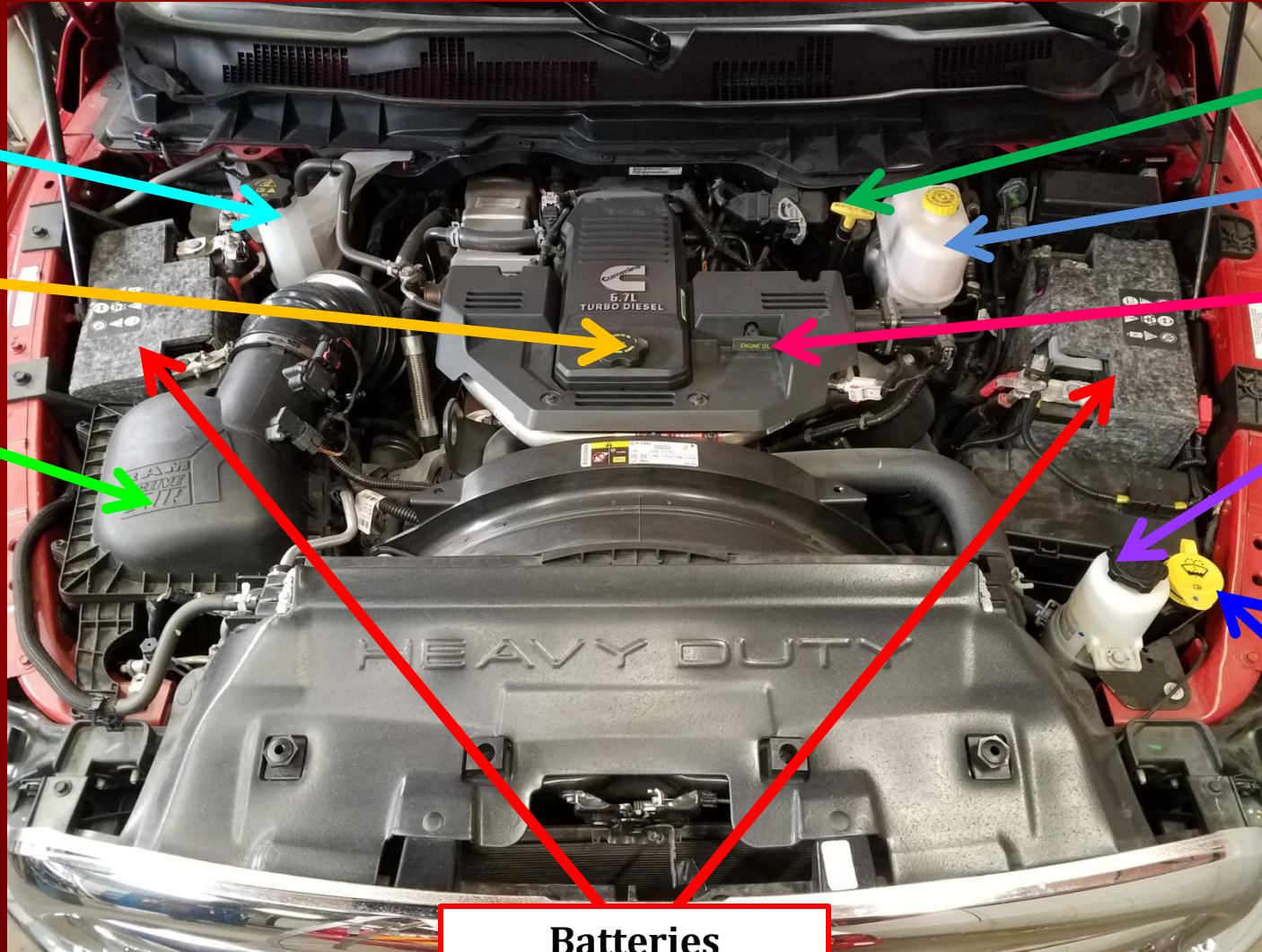
# Quick Guide Specifications

## Cargo Area

|                         |         |
|-------------------------|---------|
| Bed Length              | 6'      |
| Inside Bed Height       | 3' 7"   |
| E-trac channel capacity | 2000lbs |



# Routine Maintenance



Coolant Reservoir

Engine Oil Fill

Air Cleaner Filter

Batteries

Transmission Dipstick

Brake Fluid Reservoir

Engine Oil Dipstick

Power Steering Reservoir

Washer Fluid Reservoir



# DIESEL EXHAUST FLUID



Diesel Exhaust Fluid (DEF) Fill is located on the driver side between the cab and body.

Vehicle speed will be limited to 5mph if the vehicle senses the DEF tank has reached a driving range of 350 miles.



# EXHAUST REGENERATION

If the particulate filter reaches 80% of filter capacity, the message center will display the message:

**“Exhaust System – Regeneration Required Now”**

If this occurs, the vehicle must be driven at highway speeds for as little as 45 minutes allowing the vehicle to remove trapped particulate matter.

*Note: This vehicle does NOT have parked regeneration capability.*



# EXHAUST BRAKE



An **exhaust brake** is a device that creates a restriction in the exhaust system, and generating substantial exhaust back pressure which retards engine speed and providing supplemental braking.

In most cases, an exhaust brake is so effective that it can slow a heavily loaded vehicle on a downgrade without ever applying the vehicle's service brakes.



# EXHAUST BRAKE



The exhaust brake is activated utilizing the switch in the center switch panel.

**THE EXHAUST BRAKE SHALL BE USED AT ALL TIMES EXCEPT ON WET ROADS**



# 4 – Wheel Drive



To place the unit in 4-wheel drive place the vehicle transmission in neutral. Operate the drive train transfer located on the floor adjacent to driver placing the unit in 4H or 4L, then place the unit back in drive.

4H is used for normal-speed driving, but for when you need extra traction.

4L is used when you need maximum traction and maximum power. When in 4L **DO NOT** exceed 25mph.

# Emergency Lighting



## CONTROLLER CONFIGURATION

REAR – rear facing and side warning lights

FRONT – rear facing and side warning + front facing

ALL – all the above + lightbar

**RAD** = MCFRS Radio Re-broadcast (over siren speaker)

# Emergency Lighting



## CONTROLLER CONFIGURATION



Traffic advisor Left



Traffic advisor Right



Traffic advisor center out (both on)

NOTE: REAR emergency lights must be active for traffic advisor to function.



# COMPARTMENT LIGHTING



AUX 1 on the center control panel turns on and off the unit's compartment lights.

The switch defaults to last known setting with ignition on.

(i.e. if left on it will stay on)

# COMPARTMENT LATCHES

**COMPARTMENT DOORS DO NOT AUTO LATCH WHEN CLOSED**



**OPEN**



**CLOSED**



# MCI / SPECIAL EVENT COMPARTMENT



**This compartment is secured for inventory control and is intended to be opened utilizing the unit's bolt cutters in the event of a MCI. If opened or lock found missing notify RVFD Duty officer immediately.**





# GENERATOR



**DO NOT RUN GENERATOR IN  
COMPARTMENT!**

**USE SLIDE OUT TRAY  
OR  
REMOVE FROM UNIT**

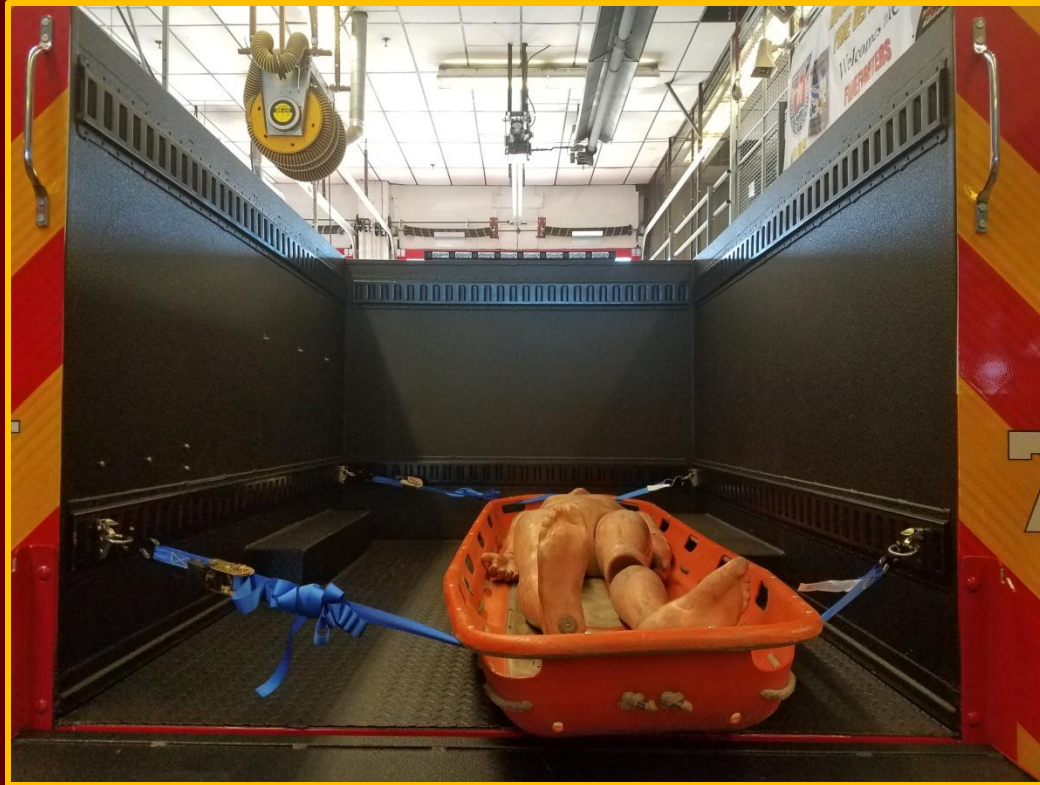
# E-Trac Brackets



**Installation of E-Trac Brackets**



# STOKES BASKET



**E-trac brackets and ratchet straps utilized to secure stokes basket for patient evacuation.**





# STAFFING & UTILIZATION



Staffing, response guidelines and procedures are outlined in RVFD Policy #1636.

Following slides overview staffing and response. Members **MUST** review RVFD Policy #1636 prior to staffing unit.



# STAFFING & UTILIZATION (OVERVIEW)



| REASON FOR USE<br>(CALL TYPE)           | CREW  | RESPONSE   |
|---|---|--|
| 1. Mass Casualty Incident               | <b>Minimum</b> – Driver only                  | As dispatched<br>or  |
|   | <b>Preferred</b> – Driver and 1 or more EMT's | Self-initiated on a MCI incident in Battalion 3<br>or<br>When requested by the RVFD or MCFRS Duty Officer. |
| 2. Single EMS Call<br>(first responder) | <b>Minimum</b> - Driver Only                  | May be used as a unit for first responder when there is no available EMS transport unit in quarters<br>or  |
|   | <b>Preferred</b> - Driver & EMT               | In the absence of a proper crew to staff an EMS transport unit.  |



# STAFFING & UTILIZATION (OVERVIEW)



| REASON FOR USE<br>(CALL TYPE)                                    | CREW  | RESPONSE  |
|--|---|---|
| 3. Weather Emergency<br>&<br>Natural Disaster                    | <b>Minimum - 2 Personnel</b><br>1 –FF3 (RVFD Unit Officer or higher)<br>1 –FF1 or Charge EMT  | As dispatched on calls by PSCC which do not mandate response by an Engine or Truck company. These may include, but are not limited to elevator calls, water service calls, wires down, and other calls for service. Crews should be assigned to the unit for an operational period and coordinated with the RVFD Duty Officer through the RVFD Shift Officer. During winter storm emergencies, vehicle may be used to access difficult streets due to snow or ice providing EMS crews access to neighborhoods which were previously impassable. |
|  | <b>Preferred - 2 Personnel</b><br>1 - MFF (RVFD Unit Officer or higher)<br>1 - FFII or higher |   |
| 4. Box Alarm /<br>Full Assignment other<br>Fire Rescue Incidents | <b>Minimum - 2 Personnel</b><br>1 - MFF (RVFD Unit Officer or higher)<br>1 - FFI or higher    | May self-initiate response to full assignments and other Fire/Rescue Incidents in which RVFD units have been dispatched to or as practical based on geographical location at time of dispatch and at the discretion of the RVFD Unit Officer assigned to SU703. <b>Crew must adhere to RVFD Policy #1636 Section V, Subsection E</b> Failure to do so will result in automatic disciplinary action.   |



# STAFFING & UTILIZATION (OVERVIEW)



| REASON FOR USE<br>(CALL TYPE) | CREW   | RESPONSE  |
|-------------------------------|--|---|
| 5.Special Event               | Minimum – Driver Only  | Special Event details will coordinated through the RVFD Duty Officer (or designee), and often times coordinated through MCFRS Special Operations Section. Crew must adhere to any pre-set Incident Action Plans. Should an event develop into an incident, build out the Incident Command structure, as appropriate. Unit may be used as a command platform by Incident Commander, as needed. |
|                               | Additional staffing and resources will be coordinated as needed by the coordinator of the special event. |   |



# Review

This presentation serves as a quick reference of the following for the incumbent driver on SU703 (2016 RAM 4500):

- Quick Guide Specifications (critical numbers)
- Daily / Routine Maintenance
- Vehicle Role / Qualifications
- Equipment Carried / Operation

All personnel must familiarize themselves with this apparatus and its capabilities as well as tools & equipment carried prior to driving or riding the unit.

Any Questions regarding this presentation / unit please contact

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