

**UNITED STATES MARINE CORPS
CORROSION ASSESSMENT CHECKLIST**

ASSESSED BY: _____ DATE OF ASSESMENT: _____
(RANK / LAST NAME) (mm/dd/yyyy)

AAC: _____

IS THIS ITEM A COMPONENT: YES / NO (If yes PEI and Component info required)

PEI/USMC SER#: _____ PEI NSN: _____ - _____ - _____ - _____

COMPONENT SER#: _____ COMPONENT NSN: _____ - _____ - _____ - _____

NOTES: _____

MILES/KILOMETERS: _____ HOURS: _____ MANUFACTURER DATE: _____
(mm/yyyy)

TYPE PAINT: _____ CARC PAINT DATE: _____
(CARC/WB-CARC/WR-CARC/SC-CARC/WR-CARC-Z/SC-CARC-Z) (mm/yyyy)

CSC INSP DATE _____ SURF PREP/TOUCH-UP COMPL: YES / NO
(mm/yyyy)

CATEGORY CODE: _____ TAMCN: _____
(MAX Category indicated below) (OPTIONAL ENTRY)

(Reference: TM 4795-12/1_)

CATEGORY 5
(Corrosion Repair and Efforts above the Intermediate Level)

YES NO

FRAME is **unsound** or completely gone ("unsound" means that the mechanical strength is lost). Select which best describes the condition of the frame:

- Severe Corrosion
- Severe Physical Damage (e.g. bent frame)

OVERALL ITEM CONDITION has severe mechanical damage or deterioration to a degree that presents a safety hazard and requires replacement based on:

- Severe Corrosion
- Severe Physical Damage

CATEGORY 4

(Corrosion Repair and Efforts above the Organizational Level)

YES NO

FRAME remains structurally **sound** but requires **REPAIR to METAL** prior to surface preparation or recoating above the Organizational Level due to:

- Severe Corrosion
- Severe Physical Damage

MAJOR FRAME COMPONENTS (chassis frame rails on HMMWV(s) or support frames on cargo trailers) remain **structurally sound** but require **REPAIR** prior to surface preparation or recoating due to:

- Severe Corrosion
- Severe Physical Damage

CAB COMPARTMENT has deteriorated and requires **METAL REPAIR** or **REPLACEMENT** prior to surface preparation or recoating due to:

- Severe Corrosion
- Severe Physical Damage

FLOORING is unsound ("unsound" means that the mechanical strength is lost) and **METAL REPAIR** is required prior to recoating due to:

- Severe Corrosion
- Severe Physical Damage

BODY PANELS or **PARTS** are unsound or completely gone ("unsound" means that the mechanical strength is lost) and require **METAL REPAIR** or **REPLACEMENT** prior to recoating due to:

- Severe Corrosion
- Severe Physical Damage

CREVICES, JOINTS, or SEAMS are unsound or completely gone ("unsound" means that the mechanical strength is lost) and **METAL REPAIR** is required prior to recoating due to:

- Severe Corrosion
- Severe Physical Damage

BATTERY BOX area is unsound or completely gone ("unsound" means that the mechanical strength is lost) and **METAL REPAIR** is required prior to recoating due to:

- Severe Corrosion
- Severe Physical Damage

BOOM is unsound ("unsound" means that the mechanical strength is lost) and **METAL REPAIR** is required prior to recoating due to:

- Severe Corrosion
- Severe Physical Damage

OTHER EXTENSIVE PHYSICAL DAMAGE that requires body **repair** and coating above the Organizational Level.

CATEGORY 3

(Corrosion Efforts above the Organizational Level)

YES NO

FRAME is corroded but remains sound. Metal requires **only surface preparation** and coating above the Organizational Level.

CAB COMPARTMENT is corroded however, metal beneath the corroded area is still sound. Metal requires **only surface preparation** and coating above the Organizational Level due to:

- Corrosion
- Minor Physical Damage (Excludes Wear Areas)
- Operational Use Coating Damage (Excludes Wear Areas)
- Coating Failure (Delaminating or peeling - Excludes Wear Areas)

FLOORING is corroded however, the metal beneath the corroded area is still sound. Metal requires **only surface preparation** and coating above the Organizational Level due to:

- Corrosion
- Minor Physical Damage (Excludes Wear Areas)
- Operational Use Coating Damage (Excludes Wear Areas)
- Coating Failure (Delaminating or peeling - Excludes Wear Areas)

BODY PANELS or **PARTS** are corroded however, the metal beneath the corroded area is still sound. Metal requires **only surface preparation** and coating above the Organizational Level due to:

- Corrosion
- Minor Physical Damage (Excludes Wear Areas)
- Operational Use Coating Damage (Excludes Wear Areas)
- Coating Failure (Delaminating or peeling - Excludes Wear Areas)

CREVICES, JOINTS, or **SEAMS** are corroded however, the metal beneath the corroded area is still sound. Metal requires **only surface preparation** and coating above the Organizational Level due to:

- Corrosion
- Minor Physical Damage (Excludes Wear Areas)
- Operational Use Coating Damage (Excludes Wear Areas)
- Coating Failure (Delaminating or peeling - Excludes Wear Areas)

BATTERY BOX is corroded however, the metal beneath the corroded area is still sound. Metal requires **only surface preparation** and coating above the Organizational Level due to:

- Corrosion
- Minor Physical Damage (Excludes Wear Areas)
- Operational Use Coating Damage (Excludes Wear Areas)
- Coating Failure (Delaminating or peeling - Excludes Wear Areas)

The equipment requires **REPAINTING** above the Organizational Level due to:

- Excessive Spot Painting with non CARC Products
- Replacement of Body Panels or Parts

UNDERCARRIAGE or **SUSPENSION** parts are corroded but remain sound. Metal requires **only surface preparation** and coating above the Organizational Level.

The **BED LINER** requires repair above the Organizational Level due to:

- Material Failure (Delaminating or peeling)
- Severe damage due to use

GUN MOUNT/TURRET and **Associated Hardware** is corroded however, the metal beneath the corroded area is still sound. Metal requires **only surface preparation** and coating above the Organizational Level.

BOOM or **Associated Hardware** is corroded however, the metal beneath the corroded area is still sound. Metal requires **only surface preparation** and coating above the Organizational Level.

CATEGORY 2

(Corrosion Efforts at the Organizational Level)

YES NO

OVERALL CONDITION: Organizational Level corrosion control efforts are required for:

- Cleaning
- Surface Preparation/Spot Painting (Excludes Wear Areas)

RADIATOR or **COMPONENTS** are severely corroded and have deteriorated to a degree that shows signs of operational failure. Select which item(s) require replacement at the Organizational Level:

- Radiator
- Components

HYDRAULIC CYLINDERS require preventive maintenance, or replacement at the Organizational Level due to:

- Corrosion
- Pitting

FLOORING requires surface preparation, and spot painting at the Organizational Level (Excludes Wear Areas).

BODY PANELS or **BODY PARTS** require Organizational Level:

- Surface Preparation/Spot Painting (Excludes Wear Areas)
- Replacement

ARMOR (CAB/BODY PANELS/BODY PARTS) cracked, delaminated, or damaged.

- Top (roof)
- Driver Side
- Passenger Side
- Front

- Rear
- Flooring
- Undercarriage
- Wheel Wells

CREVICES, JOINTS, or SEAMS require surface preparation, and spot painting at the Organizational Level. (Excludes Wear Areas)

BATTERY BOX requires surface preparation, spot painting (Excludes Wear Areas) or replacement at the Organizational Level.

BATTERY or **TERMINALS** require Organizational Maintenance to:

- Perform Preventive Maintenance
- Apply Anti-Corrosion Materials

EXHAUST SYSTEM requires replacement at the Organizational Level due to corrosion.

REFLECTIVE LENSES require replacement at the Organizational Level due to corroded frames.

FASTENERS (nuts, bolts, washers, wing nuts, etc.) are corroded and require Cleaning or Replacement at Organizational Level due to:

(NOTE: Red Rust does not classify the item as category II)

- Paint Blistering, Chipping or Pitting
- Surface Corrosion Beyond Red Rust
- Require Preservation

PUSH/PULL CABLES are corroded and require repair at the Organizational Level because they are:

- Corroded
- Seized
- Require Preservation

MIRRORS and **HARDWARE** require repair at the Organizational Level because they are:

- Corroded
- Seized
- Require Replacement

LINE CONNECTORS are corroded and require replacement at the Organizational Level.

CONNECTORS are corroded and require replacement at the Organizational Level.

LIGHT ASSEMBLIES require replacement at the Organizational Level due to corrosion:

- Head Light(s)
- Black Out Light(s)
- Tail Light(s)
- Turn Signal(s)

HOOD or **Associated Hardware**:

- Hood requires replacement at the Organizational Level due to severe physical damage.
- Associated hardware requires replacement at the Organizational Level due to severe corrosion.

UNDERCARRIAGE or **SUSPENSION** parts are corroded or have coating damage less than a 12-inch by 12-inch area that still requires the application of CPCs.

LIFTING SHACKLES/POINTS are corroded and have deteriorated to a degree that presents a safety hazard and requires replacement at the Organizational Level.

TOWING SHACKLES/PINTLES or **Associated Hardware** are unsound or completely gone ("unsound" means that the mechanical strength is lost) and requires replacement at the Organizational Level due to corrosion and deterioration that will result in operational failure:

- Towing Shackle
- Pintle
- Associated Hardware (nuts, bolts, washers, etc.)

GUN MOUNT/TURRET and **Associated Hardware** requires Organizational Level:

- Surface Preparation/Spot Painting (Excludes Wear Areas)
- Replacement (GUN MOUNT/TURRET is unsound or completely gone due to corrosion).

TRACK or **Associated Hardware** is unsound or completely gone ("unsound" means that the mechanical strength is lost) and requires replacement at the Organizational Level due to corrosion and deterioration that will result in operational failure:

- Track
- Road Wheels
- Shocks
- Associated Hardware (nuts, bolts, washers, etc.)

- WINCH** or **Associated Hardware** is corroded and has deteriorated to a degree that presents a safety hazard and requires replacement at the Organizational Level.
- A/C UNIT** or **Associated Hardware** are severely corroded and have deteriorated to a degree that shows signs of operational failure and requires repair/replacement at the Organizational Level.
- CORROSION PRESERVATIVES** are required on the asset based on the overall condition.

<u>CATEGORY 1</u> (Corrosion Efforts at the Organizational Level)

YES NO

- ITEM is in a category 1 condition which** requires no corrosion repair and corrosion preservatives have been applied.