

CHAPTER 44

CLEANING INSTRUCTIONS – AMBULANCE MERCEDES C16CDI

4X4

- 44.1 This chapter provides basic and specific cleaning requirements for selected vehicles. Where there is a specific requirement or need to highlight particular problem areas detailed cleaning guides are provided as tables and figures in this chapter.
- 44.2 This section deals with the cleaning of the basic Ambulance and the section is structured as follows:
- a. external areas;
 - b. cabin;
 - c. rear bay inner;
 - d. engine bay;
 - e. battery bay;
 - f. winch;
 - g. suspension; and
 - h. tyres (New, Old and Spares)

External Areas

- 44.3 The cleaning instructions for the Ambulance's exterior, as illustrated in Figures 44-1 and 44-2, include the points detailed in Table 44-1.



Figure 44-1: Ambulance's Exterior



Figure 44-2: Ambulance's Oxy-Viva Storage Bay

Table 44-1: Cleaning Instructions for the Ambulance's Exterior

<i>Serial</i>	<i>Comments or Tasks</i>	<i>Technical Time (hours)</i>
1	Remove CES and clean. Ensure all tool bins are clean and free from dirt, dust, insect and plant material. Remove any other attachments, such as camouflage net carriers.	
2	Clean under the rubber seals on the doors, bonnet, and roof hatch and ensure no seed, soil or insect debris remains.	
3	Critically inspect all rubber seals. Any damaged rubber seals should be removed and disposed of.	
4	Remove the grill and high-pressure air or manually clean the radiator to ensure there are no seed or insect debris embedded in radiator core.	
5	Critically inspect all light assemblies. When light lenses or seals are cracked or compromised, light assemblies are to be removed and cleaned of all soil, plant or insect material.	
6	Critically inspect external rear view mirrors. Damaged mirror assemblies are to be removed and disposed of.	
7	If fitted, remove tread plates on top of front mudguards to facilitate cleaning.	
8	Remove the side flares, on the front wheel arches, for cleaning.	
9	The windscreen washer reservoir is to be emptied and treated with chlorine.	

Cabin

- 44.4 The cleaning instructions for the Ambulance's cabin, as illustrated in Figure 44-3, include the points detailed in Table 44-2.



Figure 44–3: Ambulance's Cabin Drivers Side (Left) and Passenger Side (Right)

Table 44–2: Cleaning Instructions for the Ambulance's Cabin

<i>Serial</i>	<i>Comments or Tasks</i>	<i>Technical Time (hours)</i>
1	The inside cabin area is to be vacuumed and air-blown clean of all soil, plant and insect matter.	1.0
2	All trims are to be removed and the dashboard disassembled to allow access to all vents and openings.	1.0
3	Air vents are to be unscrewed and subject to a high-pressure air clean in reverse of normal airflow.	0.2
4	Floor mats are to be removed and the cabin floor vacuumed. If the floor mat material is damaged and exposes the underlay, the mat and underlay must be disposed of.	0.5
5	Under seat areas are to be vacuumed and air-blown clean of all soil, plant and insect matter.	0.2
6	Access panels in the rear compartment are to be removed and the compartments vacuum cleaned or cleaned using a low pressure, flexible nozzle.	4.0
7	The door trims are to be removed to allow cleaning of the inner door.	
8	Seat cushions are to be inspected and damaged items are to be removed for disposal.	
9	Flush front brush guard and flush hollow tubing until clear of BRM	
10	Rubber seals on windows and doors are to be cleaned of all insect and seed matter.	

Rear Bay Inner

- 44.5 The cleaning instructions for the Ambulance's rear bay inner, as illustrated in Figures 44–4, to 44–8, include the points detailed in Table 44–3.



Figure 44-4: Ambulance's Rear Open Doors



Figure 44-5: Ambulance's Rear Bay Door Air-conditioning Vent



Figure 44-6: Ambulance's Rear Bay Inner Medics Seat (Left) and Rear Door Stowage Bins (Right)



Figure 44-7: Ambulance's Rear Bay Patients Stretcher (Left) and Side Entrance (Right)



Figure 44–8: Ambulance's Rear Bay Inner Medics Seat

Table 44–3: Cleaning Instructions for the Ambulance's Rear Bay Inner

<i>Serial</i>	<i>Comments or Tasks</i>	<i>Technical Time (hours)</i>
1	Remove all CES and individually clean. Where possible/practical do not refit until after DA inspection of the vehicle.	
2	Critically inspect all rubber dust and weather seals on module side and rear doors to ensure they are not damaged in any way.	
3	Any damaged seals should be disposed of.	
4	Remove the vinyl weather strips on the underside of the side access door hinges (if fitted) to ensure the hinge and inside of weather strip are clean and free from foreign material.	
5	Remove all light lenses and covers on and inside the module to ensure there is no seed, soil or insect debris. Dispose of damaged lights and lenses.	
6	Remove cushions from the bench-seats in the rear of the cabin and inspect and clean (refer Figures 6A-3 and 6A-4). Damaged seat cushions are to be disposed of.	
7	Clean bare seat benches and extension arms.	
8	Clean bench-seat tie up straps and ensure they are free of BRM.	
9	All stowage compartments, toolboxes and bins are to be emptied and brushed, air-blown and wiped clean. All rubber seals are to be checked and cleaned.	
10	Clean ceiling, floor and the rear of front seat.	
11	Clean inside hollow rubber seal sections around the module step well, with water and compressed air. Flush support rib steel tubing on face of step	

<i>Serial</i>	<i>Comments or Tasks</i>	<i>Technical Time (hours)</i>
12	Clean under the rubber dust and weather seals (remove if required) on the module toolboxes and ensure there is no seed, soil or insect material.	
13	Critically inspect the rubber dust and weather seals to ensure they are not damaged in any way. Any damaged seals should be disposed of.	

Engine Bay

- 44.6 The specific cleaning instructions for Ambulance's engine and engine compartment, as illustrated in Figures 44-9 and 44-10, include those points detailed in Table 44-4.



Figure 44-9: Ambulance's Engine Passenger Side (Left) and Driver Side (Right)



Figure 44-10: Ambulance's Air Vent in Engine

Table 44-4: Cleaning Instructions for the Ambulance's Engine Compartment

<i>Serial</i>	<i>Comments or Tasks</i>	<i>Technical Time (hours)</i>
1	Clean the engine compartment and engine to ensure they are free of dust, built-up dirt and grease, insect and plant material.	
2	Ensure any engine openings/breathers are taped or plugged to stop ingress of water.	
3	Ensure the starter motor and alternator are covered and taped to stop	

	ingress of water.	
4	Do not direct high-pressure water jets at any of the engine openings/breathers, or at any of the electrical/electronic components.	
5	Remove the grill and high-pressure air or manually clean the radiator to ensure there are no seed or insect debris embedded in radiator core.	
6	Remove the brake booster assembly and pedal pivot housing and check to ensure the housing is free of insect or plant material. Remove the clutch pedal pivot housing cover and check to ensure the housing is free of insect or plant material.	2.0
7	Remove heater assembly and clean heater core to remove all dirt, dust, plant and insect material. Clean heater/ventilation fan housing to ensure it is free from dirt, dust, plant and insect material.	2.0
8	Remove the air cleaner flexible line from the air plenum in the right-hand front mudguard assembly and ensure it is free from insect and plant material.	0.5
9	Remove and dispose of the air cleaner element. Replace the air cleaner element with a new part.	0.5

Battery Compartment

- 44.7 The cleaning instructions for the Ambulance's battery compartment, and its installation, include the points as detailed in Table 44–9.

Table 44–9: Cleaning Instructions for the Ambulance's Battery Compartment

<i>Serial</i>	<i>Comments or Tasks</i>	<i>Technical Time (hours)</i>
1	Remove the battery from the battery carrier in the engine compartment.	1.0
2	Clean the battery, battery carrier, frame, terminals and leads. Ensure they are free of dirt, dust, seed, plant and insect material.	

Winch

- 44.8 The cleaning instructions for Ambulance's Winch, as illustrated in Figure 44-11, include the points detailed in Table 44-5.



Figure 44-11: Ambulance's Winch Assembly

Table 44-5: Cleaning Instructions for the Ambulance's Tow Motor's Winch

<i>Serial</i>	<i>Comments or Tasks</i>	<i>Technical Time (hours)</i>
1	The winch drum in the Douglas Tow Motor is located in the front of the vehicle with the cable running under the vehicle and out through the rear of the vehicle. (refer Figure 48-XX)	
2	The winch cable is to be extended to full length and subject to a high-pressure water clean using degreaser, if required, to remove all soil, plant and insect matter	
3	The winch drum is also to be degreased and subject to a high-pressure water clean	
4	All winch ropes, wire ropes and slings are to be re-oiled after inspection. An application of a protective covering (plastic bag) may be required to protect the refurbished ropes and cables	

Suspension

44.9 The cleaning instructions for the Ambulance's suspension include the information detailed in Table 44-6.

Table 44-6: Cleaning Instructions for the Ambulance's Suspension

<i>Serial</i>	<i>Comments or Tasks</i>	<i>Technical Time (hours)</i>
1	Mud and other debris collect in the spring seat, where the spring is mounted to the axle assembly, and are difficult to remove from the base of the rear springs. Ensure that this area is cleaned well.	
2	Ensure rear suspension rocker beam mounts on chassis are clean and free of soil, plant and insect material.	
3	Ensure axles and mounts on chassis are clean and free of soil, plant and insect material.	

Tyres (New, Old and Spares)

44.10 The cleaning instructions for Tyres (New, Old and Spares) include the points detailed in Table 44-7.

Table 44-7: Cleaning Instructions for Tyres (New, Old and Spares)

<i>Serial</i>	<i>Comments or Tasks</i>	<i>Technical Time (hours)</i>
1	All tyres are to be washed and scrubbed to remove all BRM.	
2	Damaged tyres are to be inspected and their suitability for return to Australia determined. If necessary, damaged tyres (for example, perished, cracked or split) are to be removed and disposed of in accordance with the tyre disposal policy.	
3	Cracked tyres have the risk of containing BRM therefore perished tyres are to be subject to disposal.	

<i>Serial</i>	<i>Comments or Tasks</i>	<i>Technical Time (hours)</i>
4	All tyres are to be treated with an approved residual insecticide after cleaning	
5	Fitted tyres that are damaged should be replaced with new tyres.	
6	Used and fitted tyres on rims are to be individually verified that the tyres are on rims, inflated with beading sealed and that the tyres are clean, free of water and other BRM.	
7	Tyres that are not fitted to rims are to be stored in such a manner that water cannot collect inside the tyre. The preferred DA solution is that tyres are stored within containers. Tyres not fitted on rims will require fumigation on return to Australia.	
8	DA considers a Non-Commercial consignment of tyres to contain a maximum of 8 tyres (inclusive of the wheels on the vehicle) and be imported with an accompanying vehicle. If tyres are to be transported back to Australia in containers or crates, please refer to the DA BICON (Biosecurity Import Conditions system) internet site (http://www.agriculture.gov.au/import/online-services/bicon) for the commodity "tyres".	