

## CHAPTER 51

### CLEANING INSTRUCTIONS – AMBULANCE, HINO

- 51.1 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.
- 51.2 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. suspension;
  - f. tarpaulins; and
  - g. tyres (New, Old and Spares)

#### External Areas

- 51.3 The cleaning instructions for the Ambulance's exterior, as illustrated in Figures 51-1 and 51-2, include the points detailed in Table 51-1.



Figure 51–1: Ambulance's Exterior



Figure 51–2: Ambulance's Exterior

**Table 51–1: 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. Remove any other attachments, such as camouflage net carriers.	
2	Ensure all tool bins are clean and free from dirt, dust, insect and plant material.	
3	If vehicle is fitted with a winch, remove and clean the winch rope.	
4	Clean the winch drum. Ensure winch propeller shafts, uni joints, and pillow block bearing are clean and free from dirt, dust, plant and insect material.	
5	Remove the mudflaps and clean; if damaged, dispose of.	
6	Remove the side flares, on the front wheel arches, for cleaning.	
7	Clean under the rubber seals on the doors, bonnet, and roof hatch and ensure no seed, soil or insect debris remains.  Any damaged rubber seals should be removed and disposed of.	
8	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.	
9	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.	
10	Critically inspect external rear view mirrors. Damaged mirror assemblies are to be removed and disposed of.	
11	If fitted, remove tread plates on top of front mudguards to facilitate cleaning.	

**Cabin**

51.4 The cleaning instructions for the Ambulance's cabin, as illustrated in Figure 51–3, include the points detailed in Table 51–2.



Figure 51–3: Ambulance's Cabin

**Table 51–2: Cleaning Instructions for the Ambulance's Cabin**

<i>Serial</i>	<i>Comments or Tasks</i>	<i>Technical Time (hours)</i>
1	Remove floor and transmission tunnel mats. Remove floor and transmission tunnel insulation pads. Remove floor and transmission/bell housing tunnel, access panels (to facilitate cleaning and inspection of the top surfaces of the transmission and the drive shaft assemblies).	1.0  1.0
2	Remove driver and passenger seat assemblies to facilitate cleaning. Seats and bases are to be re-fitted after inspection. Do not remove seatbelt assembly. Expose full length of seatbelt and clean by wiping with a dry rag. Remove the access panels under cabin seats. Pay attention to topside of fuel cell when cleaning.	1.0
3	Remove inner door panels from both front doors. Pressure wash door cavity, including the window winding mechanism, and ensure they are free from dirt, dust, seed, plant and insect material. Pressure wash window frame, channels and fillers. Critically inspect all door and window glass channels and fillers to ensure they are clean and free from dirt, dust, seed, plant and insect material. If damaged they are to be removed and disposed of.	1.0

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<i>Serial</i>	<i>Comments or Tasks</i>	<i>Technical Time (hours)</i>
4	Brake and clutch pedal covers are to be removed to facilitate cleaning and then replaced after inspection.	0.2
5	The handbrake dust cover is to be removed.	0.5
6	Remove the weapon butt boxes to clean the area underneath them.	0.2
7	Remove dash pad to access ventilation/demist ducts. Thoroughly clean ducts and flex tubing to remove all dust, seed, plant and insect material. Clean inside dash pad and dash wiring with compressed air. Remove upper and lower steering column shrouds and clean steering column mount with compressed air.	4.0

**Rear Bay Inner**

- 51.5 The cleaning instructions for the Ambulance's rear bay inner, as illustrated in Figures 51-4, to 51-6, include the points detailed in Table 51-3.



Figure 51-4: Ambulance's Rear Open Door



Figure 51–5: Ambulance's Rear Bay Inner 1



Figure 51–6: Ambulance's Rear Bay Inner 2

**Table 51–3: 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. Any damaged seals should be disposed of.	
3	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.	



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<i>Serial</i>	<i>Comments or Tasks</i>	<i>Technical Time (hours)</i>
4	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.	
5	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.	
6	Clean bare seat benches and extension arms.	
7	Clean bench-seat tie up straps and ensure they are free of BRM.	
8	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.	
9	Clean ceiling, floor and the rear of front seat.	
10	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	
11	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. 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**

51.6 The specific cleaning instructions for Ambulance's engine and engine compartment include those points detailed in Table 51-4.

**Table 51-4: 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. Do not direct high-pressure water jets at any of the engine openings/breathers, or at any of the electrical/electronic components.	
2	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
3	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
4	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
5	Remove the cleaner element and dispose of. Replace air cleaner element with a new part.	0.5

**Battery Bay**

51.7 The cleaning instructions for the Ambulance's battery compartment, and its installation, include the points as detailed in Table 51-5.

**Table 51-5: 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.	

**Suspension**

51.8 The cleaning instructions for the Ambulance's suspension include the information detailed in Table 51-14.

**Table 51-6: 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 suspension rocker beam mounts on chassis are clean and free of soil, plant and insect material.	
4	Mud and other debris collect in the inside area on the inner side of the wheel. Ensure that this area is cleaned well	

**Tarpaulins**

51.9 The cleaning instructions for the tarpaulins include the points detailed in Table 51-7.

**Table 51-7: Cleaning Instructions for the Tarpaulin Areas**

<i>Serial</i>	<i>Comments or Tasks</i>	<i>Technical Time (hours)</i>
1	All tarpaulins are to be given a brush down, brush scrubbing and hose cleaning, paying particular attention to the seam areas and then hung so as not to contact the ground for drying.	
2	All ropes and universal dispatch straps are to be extended to their full length and wiped or washed clean of all soil, plant and insect matter.  Attention to attachment points and fixtures and tension devices is required.  Personnel are to inspect and remove all twigs, foliage, and so on that has become embedded in the rope fibres.	
3	Velcro panels and seams (where fitted) are to be brushed and washed to ensure all seed, plant and soil material is removed.	

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<i>Serial</i>	<i>Comments or Tasks</i>	<i>Technical Time (hours)</i>
4	Canvas bags are to be turned inside out and checked for burrs, seeds and insects.	
5	Where fitted, poles, knuckles and pegs are to be subject to a high-pressure water clean to remove all soil, plant and insect matter (ants, spiders and mud wasps are of particular concern).	
6	If tarpaulins have not been used during the entire deployment, then the requirement is for all tarpaulins to be unrolled, brushed and swept clean to ensure no vermin or insect infestation and then subject to inspection.	

**Tyres (New, Old and Spares)**

51.10 The cleaning instructions for Tyres (new, old and spares) include the points detailed in Table 51-8.

**Table 51–8: 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.	
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 ( <a href="http://www.agriculture.gov.au/import/online-services/bicon">http://www.agriculture.gov.au/import/online-services/bicon</a> ) for the commodity "tyres".	