



REPAIR MANUAL
ARTICULATED TRUCK
335B
340B
TIER 3
SIMPLEMUX

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REPAIR MANUAL

ARTICULATED DUMP TRUCKS

335B & 340B SIMPLEMUX

CNH America LLC reserves the right to make improvements in design or changes in specifications at any time without incurring any obligation to install them on units previously sold.

All data given in this publication is subject to production variations. Dimensions and weights are only approximate. Illustrations do not necessarily show products in standard condition. For exact information about any particular product, please consult your Dealer

Revision History			
Issue	Issue Date	Applicable Machines	Remarks
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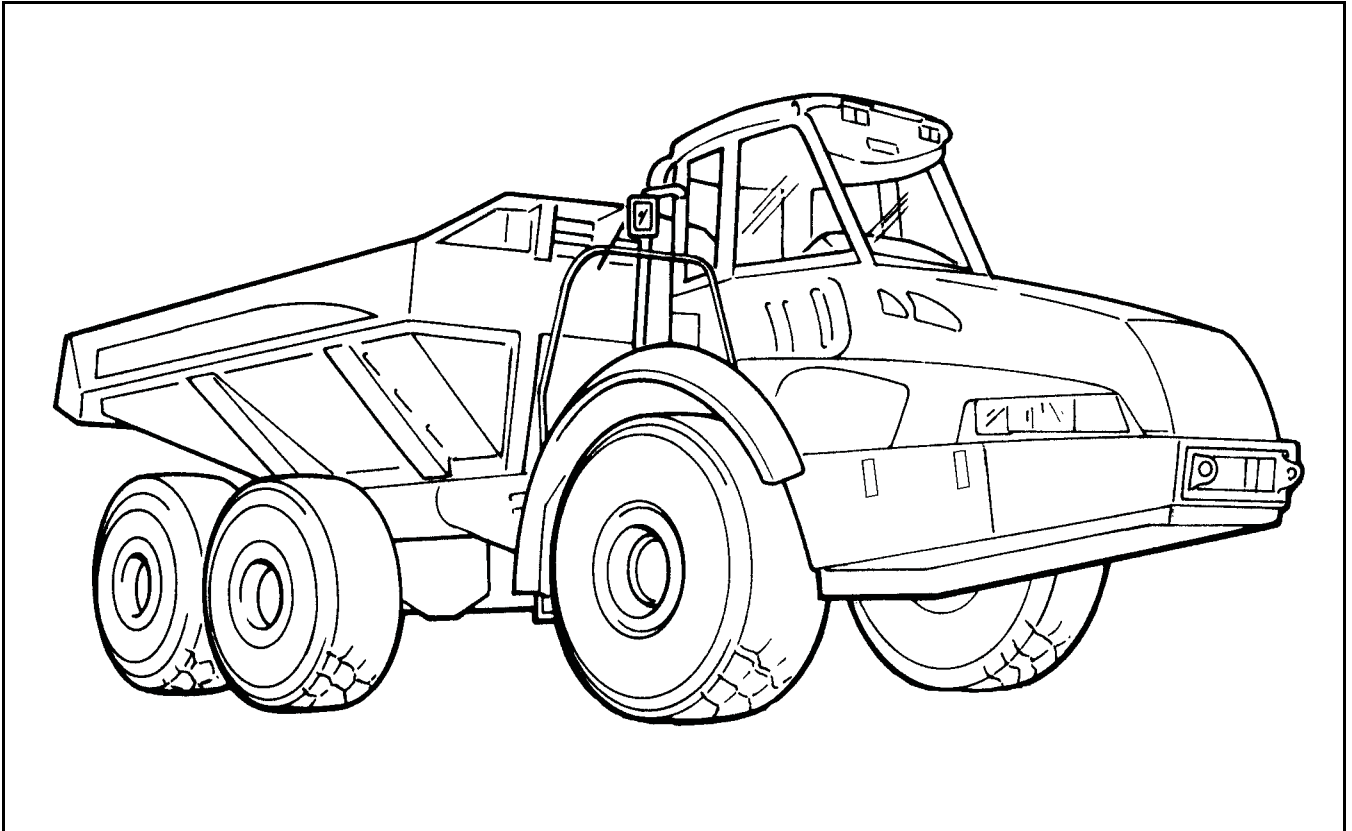
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**335B & 340B SIMPLEMENTUM
ARTICULATED DUMP TRUCKS
SERVICE MANUAL**



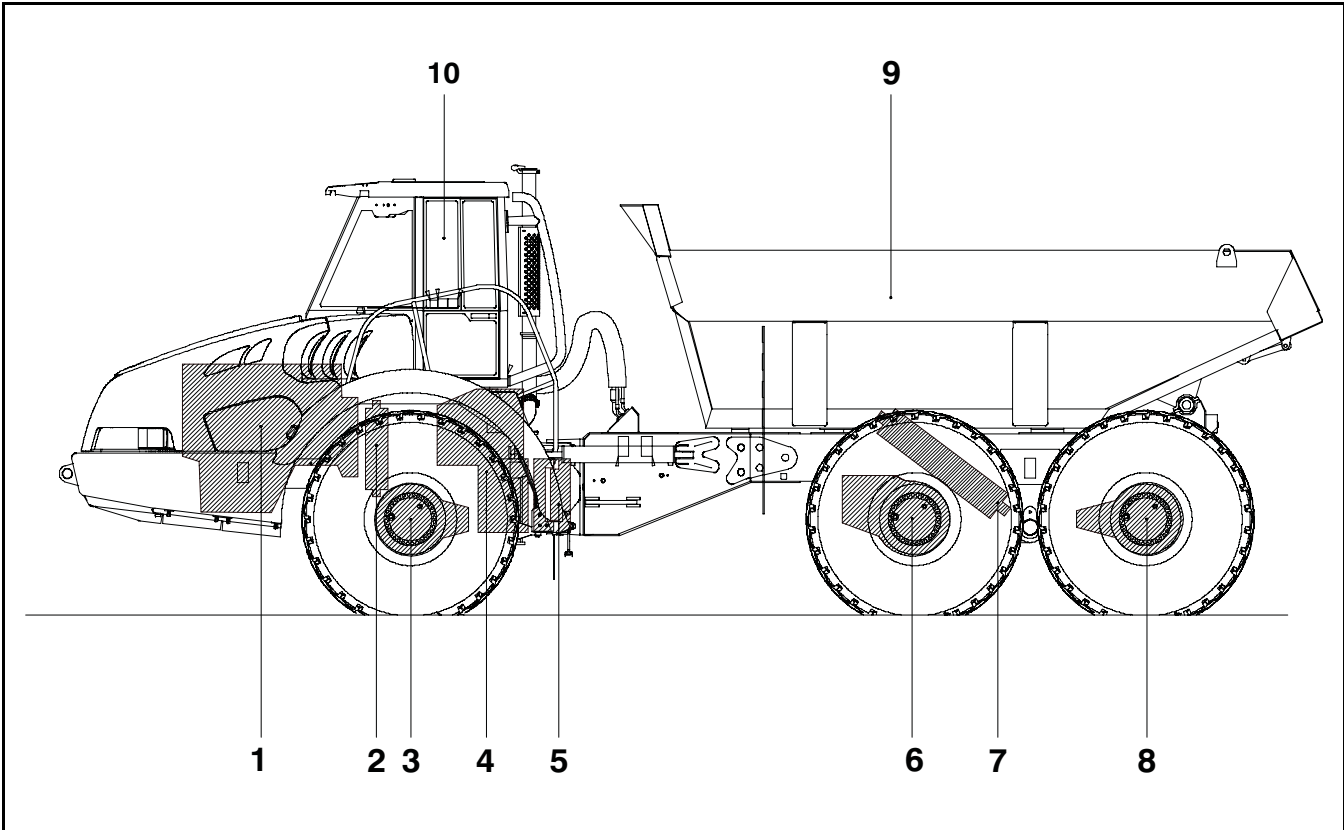
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CASE reserves the right to make any changes to the vehicle at any time for technical or commercial reasons. The information, descriptions and illustrations to be found in this publication are updated up to the moment of the approval to press.

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PARTS



276RM100

Figure 1

- | | |
|------------------------|----------------------|
| 1. ENGINE | 6. INTERMEDIATE AXLE |
| 2. SUSPENSION CYLINDER | 7. DUMPER CYLINDER |
| 3. FRONT AXLE | 8. REAR AXLE |
| 4. TRANSMISSION | 9. BODY |
| 5. ARTICULATION JOINT | 10. CAB |

Main vehicle assemblies production numbers

You are advised to make a note of the model and serial number (PN) and/or production code (PIN) of the main vehicle assemblies written on the respective plates applied to the assembly.

The plate location is shown in Section 1, Ch. 2 – TECHNICAL DATA.

This will ensure faster identification of the parts required for partial or total replacement.

engine

automatic transmission

front hubs

intermediate axle

rear axle

chassis

cab

suspension cylinder

dumper cylinder

steering cylinders

hydraulic system pump

**brake cooling system pumps
(wet brakes models only)**

radiator fan system pump

radiator fan system motor

flow splitter

dumper valve

steering valve





REPAIR MANUAL - SECTION 1

ARTICULATED DUMP TRUCK
335B & 340B SIMPLEMUX

GENERAL

SECTION 1 - GENERAL

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CHAPTER 1

**ARTICULATED DUMP TRUCK
335 & 340B SIMPLEMUX**

**CONDITIONS OF USE AND
SAFETY INSTRUCTIONS**

SECTION 1 - GENERAL
CHAPTER 1 -

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CHAPTER 1

CONDITIONS OF USE AND SAFETY INSTRUCTIONS

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CONDITIONS OF USE

INFORMATION ON THIS HANDBOOK

Definitions


Handbook is this Use and Maintenance Handbook.
Vehicle is the machinery described in this handbook.
Manufacturer is the company manufacturing the vehicle.


Dealership is the company or organization officially representing the Manufacturer.

Supplier is any company supplying components and/or consumable material used by the vehicle.

User is the person directly or indirectly involved in using the vehicle.

Contents

 **ATTENTION:** *This handbook contains the use and maintenance instructions for all the vehicle parts envisaged by the manufacturer.*

 **ATTENTION:** *Some devices described in this handbook may not be fitted in your vehicle, according to the outfit and the market for which the vehicle was made.*

This handbook is organized in several sections, which are organized in chapters and, where required, paragraphs to ensure rapid and easy retrieval of information:

Conditions of use

This section contains information on this USE AND MAINTENANCE HANDBOOK, vehicle use and applications.

Safety instructions

This section contains information on the safety precautions to be adopted for vehicle use and maintenance.

Use

This section contains information on the controls and instruments, as well as the main instructions for use, which must be respected at all times, especially when the vehicle is new.

Maintenance


This section contains the functional instructions for checking and maintaining the vehicle which must be implemented to ensure satisfying operation, cost-effective running and long life of the vehicle.


Technical specifications


This section contains the characteristic vehicle data.

Symbols

You will find the following symbols highlighting parts of the handbook. Their meaning is:

 **WARNING:** *Procedures, technical information and precautions which, if not respected and/or incorrectly carried out, could cause injury to users (safety symbol, see also SAFETY INSTRUCTIONS).*

 **ATTENTION:** *Failure to heed and/or correctly carry out procedures, technical information and precautions given may cause damage to the vehicle.*

 **IMPORTANT:** *Procedures, technical information and precautions which, if not respected and/or incorrectly carried out, could pollute the environment.*

NOTE: *Very important procedures, technical information and precautions.*

Purpose of this handbook

Purpose of this handbook is to allow users to get to know the vehicle and use it as specified, in a safe and long-lasting fashion, taking the required actions and arranging human and material resources as needed.

To whom this handbook is addressed

This handbook is addressed to persons who either need to provide instructions or use the vehicle.

These persons are:

- operative units/site/department managers;
- users directly concerned in vehicle use;
- users directly concerned in vehicle maintenance.

Safekeeping of this handbook

This handbook must be kept inside the vehicle, in a dry place, and must be readily available for consultation. You are advised to file a copy.

Keep the handbook for the entire life of the vehicle, until it is scrapped. Users are required to purchase a new copy if the handbook is either lost or damaged. Copies must be exclusively ordered from the manufacturer.

Updates to this handbook

The information, descriptions and illustrations in this handbook reflect the state of the art at the time of marketing of the vehicle.

The manufacturer reserves the right to implement changes to vehicles, for technical or marketing reasons, at any time. The manufacturer will not be obliged either to implement such changes in the vehicles marketed before or to consider this handbook obsolete. Any additional information which the manufacturer may deem suitable to provide at a later time will be kept with the handbook as an integral part of the publication.

Units of measure

International System (SI) units of measure as used in this handbook.

British Units values are expressed in brackets.

SCHEDULED USE

The vehicle described in this handbook was designed and made for the following use:

- to haul excavation material in general;
- to haul material resulting from interventions on industrial or civilian artefacts in general;
- to haul material required to make infrastructures and/or industrial or civilian artefacts in general.

The vehicle must be used for such purposes.

The vehicle must be in proven and checked conditions of efficiency for said use, fully respecting the envisaged criteria and restrictions of use.

Specific care must be paid to the following aspects:

- do not exceed the payloads specified by the manufacturer;
- do not exceed the gradients specified by the manufacturer;
- do not drive the vehicle on loose terrain which can compromise stability;
- do not use the vehicle to remove objects or products;
- use the vehicle paying special attention to the safety instructions and specifications;
- carry out the ordinary maintenance requirements specified by the manufacturer;
- carry out the extraordinary maintenance requirements which are required, specifically those related to safety of use.

NOTE: *The manufacturer declines liability for injury to persons and for damage to the vehicle and/or to the transported goods in the event of other use or use in other conditions than those specified.*

VEHICLE DRIVERS

The vehicle can be driven exclusively by qualified personnel with the necessary skills and suitable technical knowledge.

Vehicle drivers must:

- have the skills required to drive the vehicle in all environmental and weather conditions;
- be psychologically and physically fit;
- be very responsible and respect the safety instructions.

Vehicle maintenance personnel must:

- have the operative skills required for construction site vehicle maintenance;
- be sensitized to respect and adopt safety instructions and precautions.

Vehicle drivers must be in condition to work in total safety, also by means of suitable training periods or courses, to acquire full knowledge of instructions for vehicle use.

The direct reporting manager must ensure respect of general safety instructions, specifically those contained in this handbook.

The manager will also ascertain suitability of operating personnel, in terms of technical skills and psychological-physical conditions.

WASTE DISPOSAL

Collect and properly dispose of replaced material (brake pads, filters, etc.) and waste material, resulting from maintenance operations and repairs (material soaked in fuel, oil, powder, etc.) according to the laws in force, separately from normal waste.

Collect and dispose of used lubricants and fluids, according to the laws in force.

Collect and dispose of used batteries according to the laws in force.

Drain and recharge the air conditioning system using the specific devices, according to the laws in force.

Furthermore, you are advised to separate ferrous materials, light alloys and waste plastic materials for separate recycling.