

**THIS MANUAL MUST BE ENCLOSED WITH THE VEHICLE  
DOCUMENTATION.**

# **UK DOUBLE DECK**

## **User Manual**

### **OPERATING and MAINTENANCE INSTRUCTIONS**



## Release Control

<i>Date</i>	<i>Name</i>	<i>Revision</i>
<i>30/06/21</i>	<i>D Wells</i>	<i>First Release</i>
<i>16/11/23</i>	<i>D Wells</i>	<i>Second Release</i>

**EC DECLARATION of CONFORMITY  
for MACHINERY**

Lawrence David Ltd

Hereby declare that the product

**Lawrence David Ltd UK Double Deck**

is in conformity with the provisions of:

**The MACHINERY DIRECTIVE 89/392/EEC  
AMENDED BY 91/368/EEC**

The product herewith also complies with the requirements of the following:

**The SUPPLY of MACHINERY (SAFETY) REGULATIONS 1992  
As Amended 1994.**

## **INTRODUCTION**

This instruction book contains the practical information necessary to ensure maximum operational life of the equipment.

It is essential that operators of the UK Double Deck system read this manual, paying special attention to the safety, operating and servicing instructions.

The UK Double Deck is designed to hydraulically lift cargo to a raised position, using a cable operated lifting deck, and travelling whilst loaded with the lifting deck locked securely in the raised position. **The Double Deck should not be used for any other purpose.**

The Double Deck is a high quality product designed for arduous operation. Even so, the best results are achieved by following the operating instructions and by servicing and lubricating the unit regularly.

The vehicle that you will be operating incorporates a Lifting Deck, which is defined as a machine by The Supply of Machinery (Safety) Regulations 1992 as Amended 1994.

The Declaration of Conformity in this booklet attests that the Double Deck trailer has been designed and constructed in accordance with these Health and Safety Regulations. You have a responsibility under the Act to ensure that operation and maintenance of the Double Deck trailer is carried out safely and in accordance with the Regulations.

These instructions are a guide to operating and maintaining the Double Deck safely, but all other regulations that apply together with general common sense precautions should always be implemented.

## **SAFETY PRECAUTIONS**

### **General**

1. Only authorised and trained personnel should operate the Double Deck trailer.
2. Do not operate the Double Deck if the vehicle is not on firm level ground.
3. Ensure that the vehicle's parking brake is firmly applied.
4. Ensure all safety items are fitted and used where applicable.
5. Suitable lighting should be provided for the loading area. Lights should be positioned such that the entire working area is brightly lit.
6. Keep hands clear of all moving parts.
7. When handling hydraulic oil observe all normal precautions. Do not allow the oil to come in contact with the skin, mouth or eyes. If it does so, rinse off immediately.

### **Lifting Deck**

8. Before operating the lifting deck (Up or Down), ensure that no person is standing on or below the lifting deck.
9. Before lowering the lifting deck, ensure that the lower deck is empty and free from obstructions.
10. Check that the load on the upper deck has not shifted during transit.
11. Ensure that the load does not exceed the Safe Working Loads as shown on the manufacturer's information plate. The load **MUST** be uniformly distributed over the deck
12. Before raising a loaded lifting deck, ensure that the load is no more than **1.7** metres high and does not overhang the deck.
13. Ensure that any loads (especially wheeled trolleys etc) are suitably restrained in order to prevent unintentional movement.
14. Do not move the vehicle with a load on the lifting deck, unless the mechanical deck locks are engaged, as indicated by four illuminated lock lights on the rear control screens.

## **OPERATING PROCEDURE - ELECTRICAL**

*Refer to separate UK Double Deck Electrical Operating Instruction Manual*

## **HYDRAULIC SYSTEM OVERVIEW AND MAINTENANCE**

*Refer to separate UK Double Deck Hydraulic System Overview and Maintenance Manual*

## **STEEL CABLE/ ROPE MAINTENANCE**

*Refer to separate Steel Wire Rope – Correct Use & Maintenance document*

## **MAINTENANCE SCHEDULE**

### **IMPORTANT**

The UK double deck moving components must be isolated electrically and supported before attempting any checks where there is a danger of trapping, should the moving components be operated unintentionally, or hydraulic valves/fittings are opened.

The following maintenance schedule is for guidance only.

### **After 1<sup>st</sup> Week in Service.**

- Visually check hydraulic connections and valves for leaks.
- Check hydraulic fluid level with the deck fully lowered.
- Check operation of all hydraulic systems (lifting deck, deck locks).
- Check operation of operational screen.
- Check operation of suspension.

### **Weekly Checks**

#### **Hydraulic**

- Check for hydraulic leaks. Top up using recommended oil – it is important to note that this oil is specially selected to operate in low ambient temperatures.

#### **Electrical**

- Check electrical connectors and controls for signs of damage.

#### **General**

- Check the deck is correctly levelled.
- Check the pillars, guides, cables and pulleys for visible signs of damage.

#### **Safety**

- Check the operation of the safety locks.
- Check the audible warning beeper is functioning correctly.
- Check that the visible (flashing light) warning system is functioning correctly.

## Monthly Checks

### Hydraulic

- Check piping and valves for leaks and damage.
- Check that inside hydraulic box is clean and dry and no sign of damage/ failure.
- Replace filter element in hydraulic box.

### Electrical

- Check electrical connections and controls for signs of damage.
- Check electrical screens, sensors and interior lights for correct operation,
- Check that electrical box (inside of hydraulic box) is clean and dry and no sign of damage/ failure.
- Check the function of both Anderson connectors, including checking mega fuse nuts are tight and greased.

### General

- Check the deck is correctly levelled.
- Check the pillars, guides, cables and pulleys for visible signs of damage.

### Safety

- Check the operation of the safety locks.
- Check the audible warning beeper is functioning correctly.
- Check that the visible (flashing light) warning system is functioning correctly.

### Structure

- Visually check for signs of cracking of the support pillars.
- Check the attachment of the pillar to the roof and supporting roof cross members.
- Check all connecting points between the deck and pillars for signs of damage or excessive wear on pins, housings and brackets.



## Annual Checks

### General

Check that the components have not suffered any damage detrimental to the operation or safety of the equipment. Renew any defective components and tighten any loose nuts or bolts paying particular attention to the pillar anchor points and the deck attachments.

### Structural

Check for signs of fatigue cracking at the pillar attachment to the trailer.

Check all welds for possible cracking.

If any significant cracking is found, we recommend that the trailer is taken out of service until necessary repairs are made.

## Set up/ Adjustments

Ensure that when in the raised position, the deck is around 50mm above the safety locks. The system is designed such that the deck 'floats' on the hydraulics via the cables and pullies. The deck should not be touching the safety locks in normal operation/ transit.

To adjust the position of the deck to achieve the 50mm required, the nuts attached to the cable ends underneath the trailer should be adjusted accordingly.

## Misc

In addition to the above, the following should be carried out;

- **LOLER (*The Lifting Operations and Lifting Equipment Regulations 1998*)** test of the lifting deck every six months
- Weight test of the lifting deck annually
- **UWED (*The Use of Work Equipment Directive 1998*)** assessment of first unit in each country of use

## Contact

For spare parts, service or technical queries please contact:

**Lawrence David Ltd 01733 397600**