Linde Baker

# EW / EWR

## Electric Powered Pallet Trucks



# Operating Instructions and Periodic Maintenance

Book #139 Contract #2674-2677 August 1998

MidWestTech | Linde EW, EWR Electric Pallet Truck Operator's Manual | Publication 2674-... Order the manual at mid-west-tech.com >

# TABLE OF CONTENTS

Introduction ..... 2-8
Foreword ..... 3-4
Parts and Service ..... 4
Safety ..... 5-8

General Information ..... 9-15
General Description ..... 9-11
Data Plate ..... 12
Warning and Safety Decals ..... 13-15

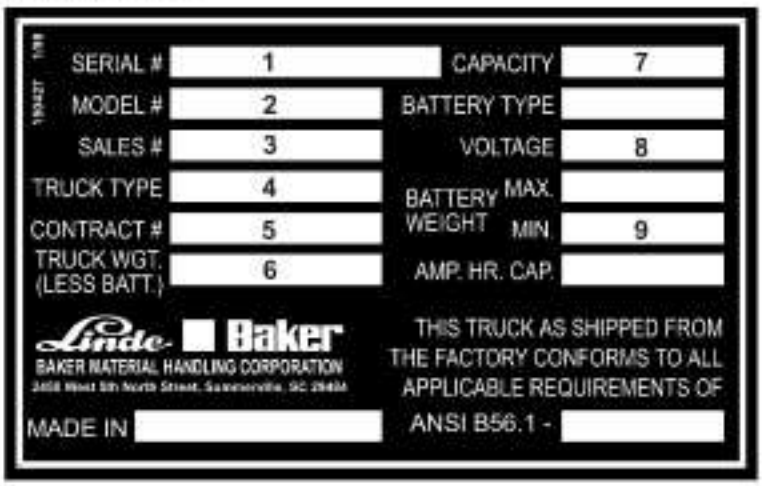
Operation ..... 16-29
Controls and Instruments ..... 16-17
BDI / Hourmeter / Unigauge ..... 17
Lift / Lower Buttons ..... 18
Key Switch ..... 18
Safety Reversing Switch ..... 18
Speed and Direction Roller Control ..... 18
Horn Button ..... 18
High Speed Travel Button ..... 18
Coast Lever / "Easy Pick" System ..... 19
Operator Care and Maintenance ..... 20
Operator's Daily Checklist ..... 20-21
Preparing a New Truck for Operation ..... 22-23
Freezer / Cooler Operation ..... 24
Driving The Truck ..... 25-29
"Walking" Operation ..... 26-27
"Riding" Operation ..... 28
Loading and Transporting the Load ..... 29
After Operation ..... 29

Maintenance ..... 30-35
Weekly Maintenance ..... 31
Monthly Maintenance ..... 31-32
6 Month Maintenance ..... 32
Lubrication Chart ..... 33-35
Lubricant Specifications ..... 35

©1998 Baker Material Handling Corporation
2450 West 5th North Street
Summerville, S.C. 29484
PHONE (843) 875-8000 FAX (843) 875-8329

MidWestTech | Linde EW, EWR Electric Pallet Truck Operator's Manual | Publication 2674-... Order the manual at mid-west-tech.com >

## DATA PLATE




1. **Model designation of the truck**

2. **Truck serial number**

3. **Truck sales order number** - the sales and serial numbers are assigned to each specific truck and should be used when requesting any information on the truck. Also, these numbers should be referenced when ordering service parts from your authorized Linde-Baker dealer.

4. **Truck type** - the code letters in this block signify the type of construction with safeguards against fire, shock hazards and explosion in classified and nonclassified areas. Check with the proper authority before entering areas containing flammable or explosive materials.

5. **Contract Number** - specifically identifies the production series of the truck, associated technical and parts manuals and technical data. Use this number when requesting parts or information on the truck from your authorized Linde-Baker dealer.

6. **Truck weight** - without battery installed.

7. **Basic truck capacity**

8. **System voltage of the truck**

9. **Minimum battery weight required** - for ANY battery installed.



MidWestTech | Linde EW, EWR Electric Pallet Truck Operator's Manual | Publication 2674-... Order the manual at mid-west-tech.com >

### "Walking" Operation (EW or EWR)

- Stand at the front of the truck facing the Control Handle. Pull the Control Lever towards you (or press the auxiliary Lift Button on the Control Handle) to raise the Forks to the travel position.
- Lower the Control Handle to about waist level (without rotating the Speed and Direction Roller Controls). Put the Control Handle in a comfortable position for truck operation.
- Be sure to look in all directions before traveling to make certain that your path is clear.

**⚠ CAUTION:**

**KEEP HANDS WITHIN THE CONFINES OF THE HAND GUARDS AND FEET CLEAR OF THE TRUCK AT ALL TIMES.**

- Select direction of travel by moving the Speed and Direction Roller Control in the desired direction. The two rollers are linked mechanically, so rotation can be done with either hand. The truck will begin to travel. Rotate the roller slowly until the truck reaches desired speed. Travel speed is proportional to the amount of roller rotation.

During "walking" operation, stay at arm's length from the Control Handle. Walk ahead and slightly to the side of the truck. Forward travel (with the Forks trailing) is recommended during either "walking" or "riding" operation.

- Steer the truck by swinging the Control Handle to the left or right.
- During reverse travel (with the Forks leading), face the truck and keep *both* hands on the Speed and Direction Roller Controls.

**⚠ CAUTION:**

**BE AWARE DURING REVERSE TRAVEL THAT THE DRIVE END OF THE TRUCK WILL SWING IN THE OPPOSITE DIRECTION OF CONTROL HANDLE ROTATION.**



MidWestTech | Linde EW, EWR Electric Pallet Truck Operator's Manual | Publication 2674-... Order the manual at mid-west-tech.com >

**Monthly Maintenance *(continued)***

- Lubricate Tie Bar / Shackle Linkage **(3)**.
- Lubricate Shackle Pivot **(4)**.
- Lubricate Tie Bar / Lever Linkage (top) **(5)**.
- Lubricate Lever / Fork Linkage (bottom) **(6)**.
- Lubricate Lever / Chassis Linkage **(7)**.
- Lubricate Caster Swivel Fittings **(8)** (EWR only).
- Lubricate Drive Unit Bearing Fittings **(9)**.

**6 Month Maintenance (every 1,000 hours of operation)**

- Drain Gearbox oil from drain plug **(10)**; refill at level plug **(11)** with fresh, new oil.
- Drain Hydraulic Oil Reservoir; replace with fresh, new oil.
- Check Forks for cracks or bends.
- Blow out carbon dust from the Drive Motor and Hydraulic Pump Motors with low pressure compressed air.

**⚠ WARNING:**

**BE SURE TO WEAR ADEQUATE EYE PROTECTION WHENEVER USING COMPRESSED AIR.**

- Check Commutators for excessive wear in all motors.
- Check Brushes and Brush Spring tension in all motors.
- Check Drive Motor, Gearbox and Control Handle mounting.
- Lubricate Handle Return Springs **(12)**.
- Lubricate Battery Roller Axles **(13)** (if equipped).



MidWestTech | Linde EW, EWR Electric Pallet Truck Operator's Manual | Publication 2674-... Order the manual at mid-west-tech.com >