

# CONTENTS

|   |      |
|---|------|
| A message to hyundai lift truck operators ..... | 0-1  |
| Introduction .....                              | 0-2  |
| How to use this manual .....                    | 0-3  |
| Safety labels .....                             | 0-5  |
| Guide (direction, S/No, symbol) .....           | 0-10 |

## 1. GENERAL SAFETY RULES

|  |      |
|--|------|
| 1. Daily inspection .....                    | 1-1  |
| 2. Do's and don'ts .....                     | 1-2  |
| 3. Seat belts .....                          | 1-3  |
| 4. No riders .....                           | 1-4  |
| 5. Pedestrians .....                         | 1-5  |
| 6. Operator protection .....                 | 1-6  |
| 7. Fork safety .....                         | 1-7  |
| 8. Pinch points .....                        | 1-8  |
| 9. Travel .....                              | 1-9  |
| 10. Grades, ramps, slopes and inclines ..... | 1-10 |
| 11. Tip over .....                           | 1-11 |
| 12. Surface and capacity .....               | 1-13 |
| 13. Parking .....                            | 1-14 |
| 14. Lifting, jacking and blocking .....      | 1-15 |
| 15. Loading and unloading by crane .....     | 1-20 |

## 2. OPERATING HAZARDS

|  |     |
|--|-----|
| 1. Loose loads .....                   | 2-1 |
| 2. Long and wide loads .....           | 2-2 |
| 3. Rear swing .....                    | 2-2 |
| 4. Low overhead clearance .....        | 2-3 |
| 5. Fast turns and high loads .....     | 2-3 |
| 6. Drop-offs .....                     | 2-4 |
| 7. Right-angle stacking .....          | 2-4 |
| 8. Chain slack .....                   | 2-5 |
| 9. Pallets and skids .....             | 2-5 |
| 10. Caution for electrical lines ..... | 2-6 |
| 11. Solid tire .....                   | 2-7 |

### **3. KNOW YOUR TRUCK**

|  |      |
|--|------|
| 1. General locations .....             | 3-1  |
| 2. Data/safety plates and decals ..... | 3-2  |
| 3. Instruments and controls .....      | 3-5  |
| 4. Instruments panel .....             | 3-6  |
| 5. Operating switches and levers ..... | 3-13 |
| 6. Seat adjustment .....               | 3-17 |
| 7. Battery compartment access .....    | 3-17 |

### **4. DAILY SAFETY INSPECTION**

|                                    |     |
|------------------------------------|-----|
| 1. Inspecting your truck .....     | 4-1 |
| 2. Visual checks .....             | 4-2 |
| 3. Functional checks .....         | 4-3 |
| 4. Concluding the inspection ..... | 4-3 |

### **5. OPERATING PROCEDURES**

|   |      |
|---|------|
| 1. Before operating the truck .....     | 5-1  |
| 2. Starting from a safe condition ..... | 5-1  |
| 3. Adjusting the seat .....             | 5-2  |
| 4. Starting the truck .....             | 5-3  |
| 5. Controlling Speed .....              | 5-5  |
| 6. Braking .....                        | 5-5  |
| 7. Plugging .....                       | 5-5  |
| 8. Operating safely .....               | 5-6  |
| 9. Load handling .....                  | 5-8  |
| 10. Shut down procedure .....           | 5-14 |

### **6. EMERGENCY TOWING**

|                             |     |
|-----------------------------|-----|
| 1. Towing precautions ..... | 6-1 |
| 2. Towing procedures .....  | 6-2 |

### **7. PLANNED MAINTENANCE**

|                                 |     |
|---------------------------------|-----|
| 1. Introduction .....           | 7-1 |
| 2. Lift truck maintenance ..... | 7-1 |
| 3. Planned maintenance .....    | 7-1 |

|  |      |
|--|------|
| 4. Planned maintenance intervals .....       | 7-2  |
| 5. Major component locations .....           | 7-3  |
| 6. Daily maintenance checks .....            | 7-4  |
| 7. Periodic maintenance checks .....         | 7-5  |
| 8. Safe maintenance practices .....          | 7-6  |
| 9. Maintenance guide .....                   | 7-8  |
| 10. Visual inspection .....                  | 7-12 |
| 11. Checking the hydraulic fluid .....       | 7-15 |
| 12. Critical fastener checks .....           | 7-15 |
| 13. Air cleaning the truck .....             | 7-16 |
| 14. Electric truck battery maintenance ..... | 7-17 |
| 15. Battery handling .....                   | 7-18 |
| 16. Battery charging .....                   | 7-19 |
| 17. Battery removal from truck .....         | 7-21 |
| 18. Battery cleaning and care .....          | 7-23 |
| 19. New machine oil .....                    | 7-24 |
| 20. Recommended lubricants .....             | 7-24 |

## **8. SPECIFICATIONS**

|   |     |
|---|-----|
| 1. Specification .....                      | 8-1 |
| 2. Specification for major components ..... | 8-2 |
| 3. Tightening torque .....                  | 8-4 |