

FOREWORD

A message to Hyundai lift truck operators	0-1
Introduction	0-2
How to use this manual	0-3
EC regulation approved	0-5
Safety labels	0-6
Guide (direction, serial number, symbols)	0-17

1. SAFETY HINTS

1. Daily inspection	1-1
2. Do's and don'ts	1-2
3. Seat belts	1-4
4. No riders	1-5
5. Pedestrians	1-6
6. Operator protection	1-7
7. Fork safety	1-8
8. Pinch points	1-9
9. Travel	1-10
10. Grades, ramps, slopes and inclines	1-11
11. Tip over	1-12
12. Surface and capacity	1-14
13. Parking	1-15
14. Refueling	1-16
15. Step	1-17
16. Operator's safety rules	1-18
17. Side shift	1-19

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. Right angle stacking	2-4
7. Chain slack	2-4
8. Pallets and skids	2-5
9. Caution for electrical lines	2-5

10. Lifting loads	2-6
11. Side shift	2-7
12. Fork positioner	2-8

3. KNOW YOUR TRUCK

1. General locations	3-1
2. Data/safety plate and decal	3-2
3. Cab devices	3-4
4. Cluster	3-5
5. Transmission message display	3-36
6. Switches	3-39
7. Control device	3-47
8. Air conditioner and heater	3-52
9. Others	3-55

4. OPERATOR MAINTENANCE AND CARE

1. Daily safety inspection	4-1
2. Suggestion for new truck	4-3
3. Fuel safety practices	4-4
4. Engine oil service interval and management	4-5

5. STARTING AND OPERATING PROCEDURES

1. Before operating the truck	5-1
2. Check before starting	5-2
3. Check before starting engine	5-3
4. Seat adjustment	5-8
5. Starting from a safe condition	5-13
6. General starting and operating tips	5-14
7. Starting and stopping the engine	5-15
8. Warming-up operation	5-20
9. Levers and pedals	5-21
10. Traveling of the truck	5-23
11. Operating safely	5-27
12. Load handling	5-29
13. Shut down procedure	5-35
14. Storage	5-36
15. Transport	5-37
16. Loading and unloading by crane	5-38

6. EMERGENCY STARTING AND TOWING

1. How to tow a disabled truck	6-1
2. Parking brake release	6-3
3. How to use battery jumper cables	6-4

7. PLANNED MAINTENANCE AND LUBRICATION

1. Introduction	7-1
2. Safe maintenance practices	7-2
3. Instructions before maintenance	7-5
4. Planned maintenance intervals	7-8
5. How to perform planned maintenance	7-13
6. Service instruction	7-18
7. Electrical system	7-46
8. Air conditioner and heater	7-47
9. Replacement and check	7-49
10. Handling truck in extremely hot places	7-58
11. Cold weather operation	7-59
12. Recommendation table for lubricants	7-60
13. Fuel and lubricants	7-61

8. SPECIFICATIONS

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

9. TROUBLESHOOTING

1. Engine system	9-1
2. Electrical system	9-4
3. Torque flow system	9-5
4. Steering system	9-9
5. Brake system	9-10
6. Hydraulic system	9-11
7. Mast and fork	9-12

10. TESTING AND ADJUSTING

1. Engine system	10-1
2. Drive system	10-4
3. Travel system	10-6
4. Steering system	10-7