



XR1255

Operation & Safety Manual

XR 1255

Introduction 3
 General 3
 Replacement manuals 3
 Model/Serial Number Plate 3
 Orientation 3

Safety 4
 Safety Disclaimer 4
 Signal Words 4
 Safety Symbols 4
 Employer Responsibility 7
 Operator Responsibility 7
 Operator Qualifications 7
 Modifications 7
 Mounting/Dismounting 8
 Work Site Safety 8
 Before Starting Forklift 9
 Operation Safety 10
 Load Safety 13
 Attachments 13
 Shut Down Procedure 13
 Forklift Maintenance 14

Dead Engine Towing 16
 Parking Brake Release (Front Axle) 16
 Re-activating Parking Brakes (Front Axle) 17

Labels 18
 Label Legend 18
 Left Side View 18
 Right Side View 18
 Front View 19
 Rear View 19
 Cab View 19
 Replacement Labels 21

Features 32
 Standard Equipment 32
 Optional Equipment 32

Specifications 33

Operator Cab. 34
 Ignition Switch 34
 Accessory Outlet 34
 Accelerator Pedal 34
 Service Brake Pedal 35
 Steering Wheel 35
 Horn Button 35
 Operator Seat 35
 Operator Seat Controls 35
 Weight Suspension Lever 35
 Lumbar Support 36
 Fore and Aft Adjustment Lever 36
 Backrest Angle Adjustment Lever 36

 Seat Belt 36
 Rear View Mirrors 37
 Controls and Indicators 38
 Travel Select Lever 38
 Gear Select Switch 38
 Parking Brake Switch 38
 Load Capacity Charts 39
 Hydraulic Oil Temperature Indicator 39
 Low Brake Pressure Indicator 39
 Rear Axle Lock Indicator 39
 Hourmeter 40
 Voltage Gauge 40
 Fuel Gauge 40
 Oil Gauge 40
 Coolant Gauge 40
 Light Switch 41
 Turn Signal and Hazard Switches 41
 Rear Axle Centering Indicator 41
 Steering Select and 2-Wheel Rear Switches 41
 Declutch Switch 42
 Outrigger Switches 42
 Boom Control 42
 Attachment Tilt Switch 44
 Frame Sway Control Handle 44
 Auxiliary Attachment Control 45
 Two Wheel Rear (2WR) Steering Switch 45
 Boom Angle Indicator 46
 Boom Extend Letters 46
 Frame Level Indicator 46

Operation. 47
 Pre-Operation Inspection 47
 Pre-Operation Inspection Checklist 49
 Functional Tests 50
 Functional Test Checklist 50
 Operator Maintenance 51
 Before Starting Forklift 52
 Starting Forklift 53
 Normal Starting 53
 Cold Starting 53
 Jump Starting 54
 Forklift Travel 55
 Steering Modes 55
 Crab Steering 55
 Two Wheel Steering (2W) 55
 Four Wheel Steering (4W) 55
 Two Wheel Rear Steering (2WR) (Optional) 55
 Maximum Fork Sweep 55
 Starting Travel 56
 Shifting Gears 56
 Warning Indicators and Gauges 56
 Pintle Hook 57
 Stopping Travel 57
 Changing Travel Direction 58
 Shut Down Procedure 58

Refueling	58
Fuel Types.	58
Attachments	58
Attachment Disclaimer	58
Fork Ratings	59
Standard Carriage Operation	59
Fork Positioning Carriage Operation	60
Quick Attach System	60
Attachment Connection	60
Attachment Removal	62
Load Handling.	64
Suspended Loads.	64
Pick Up A Load.	65
Carry A Load	65
Place A Load	65
Load Shift.	65
Elevating Personnel	65
Frame Leveling	67
Load Capacity Charts	68
Using Load Capacity Charts	68
Reading Load Capacity Charts.	68
Standard Carriage Load Capacity Chart.	69
Preventive Maintenance	70
Establishing A Maintenance Program	70
Maintenance Schedules.	70
Boom Emergency Lower Down Valve	72
Do Not Operate – Accident Prevention Tags	72
New or Additional Operators	72
Lockout / Tagout	74
Lockout/Tagout Procedure	74
Removing Forklift From Service.	74
Returning Forklift To Service.	74
“Do Not Operate” Tags	75

Introduction

General

This Operation and Safety Manual provides the information needed to safely operate the XR1255 Reach Forklift.

This manual should be considered a permanent part of the forklift and kept in the plastic, protective case located in the operator's cab.

Notice

BEFORE operating the forklift, read this manual completely and carefully to understand the safety instructions and the operation of controls and safety equipment. You must comply with all DANGER, WARNING, and CAUTION notices. They are for your benefit.

Warning

Improper operation of this forklift could result in death or serious injury.

BEFORE starting the engine, do the following:

- Read this Operation and Safety Manual.
- Read all safety Labels on the forklift.
- Clear the area of other persons.

Learn and practice safe use of forklift controls in a safe, clear area, BEFORE you operate this forklift on a work site.

It is your responsibility to observe applicable laws and regulations and to follow manufacturer's instructions on forklift operation and maintenance.

Replacement manuals

Replacement manuals for the XR1255 Reach Forklifts can be obtained by contacting:

Xtreme Manufacturing
Phone: (800) 497-1704

Model/Serial Number Plate

When contacting the manufacturer, please have the forklift model and serial numbers available. The model/serial number plate is located on the left side, inside the operator's cab.

For easy reference, record the model and serial numbers in the space provided.

Model Number: _____

Serial Number: _____



Figure 1-1. Model/Serial Number Plate.

Orientation

Right side, left side, front, and rear are directional references given from the operator's seat while facing in a forward direction.

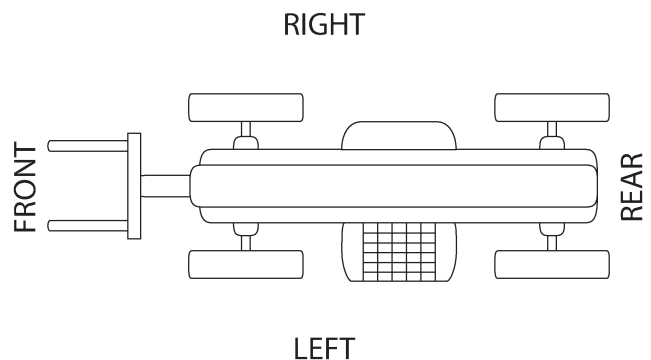


Figure 1-2. Forklift Direction Orientation.

Safety

Safety Disclaimer



Figure 2-1. Think Safety.

Xtreme Manufacturing reserves the right to make technical changes for product improvement. This manual may contain illustrations and photographs, for demonstration purposes, which slightly deviate from the actual product.

Safety information provided in this manual is a basic guide and an attempt to prevent accidents. Xtreme Manufacturing cannot anticipate every circumstance that might involve a potential hazard. Warnings in this manual and on the forklift are NOT all-inclusive.

You are responsible for safe operation of the forklift and all attachments. You must satisfy yourself that the techniques, operating procedures, work methods, or tools you use are safe; especially those not specifically mentioned by Xtreme Manufacturing.

The safety of everyone around the forklift depends significantly on your knowledge and understanding of all correct and safe operating practices and procedures. You can help prevent accidents by remaining alert and recognizing potentially hazardous situations.

Follow State and Federal health and safety rules and/or local regulations for operating and maintaining the forklift.

- This manual does not replace any laws and regulations.
- The operator is required to comply with all applicable laws and regulations.

Signal Words

Signal words are the word or words that call attention to the safety sign and designate a degree or level of hazard seriousness. The signal words used in this manual are DANGER, WARNING, and CAUTION.

⚠ Danger

DANGER (Red) used with the safety alert symbol indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

⚠ Warning

WARNING (Orange) used with the safety alert symbol indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠ Caution

CAUTION (Yellow) with the safety alert symbol indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury.

Caution

CAUTION (Yellow) used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

Safety Symbols

⚠ Warning

Safety symbols are provided to remind the operator of hazardous situations. Xtreme Manufacturing provides these symbols in an attempt to inform all operators, regardless of reading and language skills, of as many potential hazards as possible. These symbols cover many, but not all, potential dangers and hazards associated with operating the forklift.

Make safety a high priority while operating the forklift. Learn and follow all safety messages in this manual and on forklift Labels to prevent death, serious injury, or equipment damage. The following two pages include a list of some of the safety symbols that may be used on this forklift.



General Safety Alert Symbol



Read Operator Manual Before Operating This Forklift



Read Maintenance Manual Before Working On This Forklift



DO NOT OPERATE! Forklift Down For Service Or Maintenance



Read Material Safety Data Sheets (MSDS) For Chemicals And Fluids



Know First Aid Instructions And/ Or Locations On Work site



Perform Operator Inspection Before Starting This Forklift



DO NOT Operate If Using Alcohol, Drugs, Or Medications



Personal Protective Equipment Hardhat



Personal Protective Equipment Gloves



Personal Protective Equipment Safety Shoes



Personal Protective Equipment Safety Glasses



Personal Protective Equipment Ear Protectors



Lead Acid Batteries Create Explosive Gases



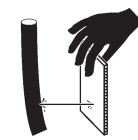
No Smoking Keep Lit Cigarettes Away



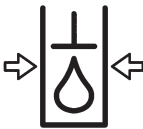
Keep Flames And Ignition Sources Away



Warning! Hydraulic Oil Under Pressure



Use A Board Or Cardboard To Check Hydraulic Leaks. DO NOT Use Your Hand!



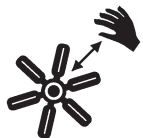
Hydraulic System Under Pressure



Hot Oil! DO NOT Open Unless Cap Is Cool To Touch



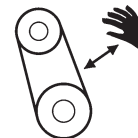
Warning! Rotating Fan Blades Can Cut



Keep Hands A Safe Distance From Rotating Fan Blades



Warning! Rotating Belts Can Cut Or Entangle



Keep Hands A Safe Distance From Rotating Belts



Make Sure All Safety Labels Are Attached And Legible



Replace Worn And Illegible Safety Labels And Labels



Use Three Points of Contact When Entering and Exiting Forklift

Safety

XR1255



DO NOT Jump While Dismounting The Forklift



Fasten Seat Belt



DO NOT Use As A Personnel Carrier



DO NOT Allow Riders On Forklift Frame Or Fenders



DO NOT Allow Riders On Or In The Operator Cab



DO NOT Allow Riders On Auxiliary Attachments



Falling Off Of Attachment Can Result In Death Or Serious Injury



**Set Parking Brake To ON
Engage Parking Brake**



**Set Parking Brake To OFF
Disengage Parking Brake**



**Warning!
Forklift Roll Away Can Cause Death Or Serious Injury**



**Warning!
Forklift Tip Over Can Cause Death Or Serious Injury**



**DO NOT Jump!
If Forklift Tips, Keep Seat belt ON And Brace Yourself**



**Warning!
DO NOT Travel With Boom Raised**



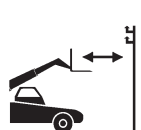
DO NOT Raise Boom While Traveling On A Slope



Tip Over Hazard, Especially Traveling Up A Slope Without A Load



**Warning!
Electrocution Can Cause Death Or Serious Injury**



**Danger!
Keep A Safe Distance From Electrical Lines**



**Hot Surface!
Keep Hands Away**



DO NOT Allow Anyone Under A Raised Load



Pinch Points Hands



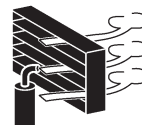
Pinch Points Body



**Warning!
Explosion Hazard**



DO NOT Use Ether As A Starting Aid



Have Adequate Ventilation If Operating This Forklift In An Enclosed Space