



XR1245

Operation & Safety Manual

XR1245

Introduction	3	Rear View Mirrors	35
General	3	Controls and Indicators	35
Replacement manuals	3	Travel Select Lever	35
Model/Serial Number Plate	3	Gear Select Switch	36
Orientation	3	Parking Brake Switch	36
Safety	4	Load Capacity Charts	36
Safety Disclaimer	4	Hydraulic Oil Temperature Indicator	36
Signal Words	4	Low Brake Pressure Indicator	37
Safety Symbols	4	Rear Axle Lock Indicator	37
Employer Responsibility	7	Hourmeter	37
Operator Responsibility	7	Voltage Gauge	37
Operator Qualifications	7	Fuel Gauge	38
Modifications	7	Oil Gauge	38
Mounting/Dismounting	8	Coolant Gauge	38
Work Site Safety	8	Work Light Switch	38
Before Starting Forklift	9	Rear Axle Centering Indicator	39
Operation Safety	10	Steering Select Switch	39
Load Safety	13	Declutch Indicator	39
Attachments	13	Declutch Switch	39
Shut Down Procedure	13	Outrigger Toggle Switches	40
Forklift Maintenance	14	Boom Control	40
Dead Engine Towing	16	Attachment Tilt Switch	42
Parking Brake Release (Front Axle)	16	Frame Sway Control Handle	42
Re-activating Parking Brakes (Front Axle)	17	Auxiliary Attachment Control	43
Labels	18	Optional Controls and Indicators	43
Label Legend	18	Two Wheel Rear (2WR) Steering Switch	43
Left Side View	18	Boom Angle Indicator	44
Right Side View	18	Boom Extend Letters	44
Front View	19	Frame Level Indicator	44
Rear View	19	Operation	45
Replacement Labels	21	Pre-Operation Inspection	45
Features	30	Pre-Operation Inspection Checklist	47
Standard Equipment	30	Functional Tests	48
Optional Equipment	30	Functional Test Checklist	48
Specifications	31	Operator Maintenance	49
Operator Cab	32	Before Starting Forklift	50
Ignition Switch	32	Starting Forklift	51
Accessory Outlet	32	Normal Starting	51
Accelerator Pedal	32	Cold Starting	51
Service Brake Pedal	33	Jump Starting	52
Steering Wheel	33	Forklift Travel	53
Horn Button	33	Steering Modes	53
Operator Seat	33	Crab Steering	53
Operator Seat Controls	33	Two Wheel Steering (2W)	53
Weight Suspension Lever	33	Four Wheel Steering (4W)	54
Lumbar Support	34	Two Wheel Rear Steering (2WR) (Optional)	54
Fore and Aft Adjustment Lever	34	Maximum Fork Sweep	54
Backrest Angle Adjustment Lever	34	Starting Travel	54
Seat Belt	34	Shifting Gears	55
		Warning Indicators and Gauges	55
		Stopping Travel	56
		Changing Travel Direction	56
		Shut Down Procedure	56
		Refueling	57

Fuel Types	57
Attachments	57
Attachment Disclaimer	57
Fork Ratings	57
Standard Carriage Operation	58
Swing Carriage Operation	58
Quick Attach System	59
Attachment Connection	59
Attachment Removal	62
Load Handling	63
Suspended Loads	64
Pick Up A Load	64
Carry A Load	64
Place A Load	64
Load Shift	65
Elevating Personnel	65
Frame Leveling	66
Load Capacity Charts	67
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/Tag out 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 XR1245 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 XR1245 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.

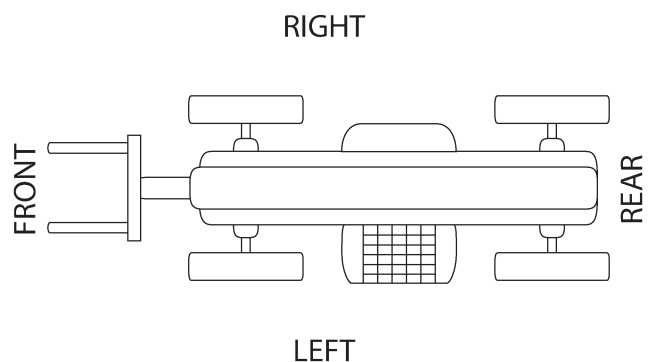


Figure 1-2. Forklift Direction Orientation.

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



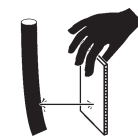
No Smoking Keep Lit Cigarettes Away



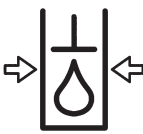
Keep Flames And Ignition Sources Away



Warning! Hydraulic Oil Under Pressure



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



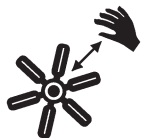
Hydraulic System Under Pressure



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



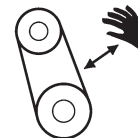
Warning! Rotating Fan Blades Can Cut



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

XR1245



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**



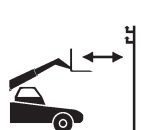
DO NOT Raise Boom While Traveling On A Slope



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



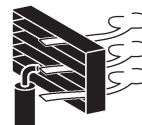
Pinch Points Body



**Warning!
Explosion Hazard**



DO NOT Use Ether As A Starting Aid



Have Adequate Ventilation If Operating This Forklift In An Enclosed Space