

# INTRODUCTION

## GENERAL

This section has the description for the parts of the frame. These parts include the frame weldment, doors, battery rollers, covers, the optional guide rollers and the R30EA-FS caster. The outer channel of the upright is part of the lift truck frame. The base arms are part of the weldment for the outer channel of the upright.

## DESCRIPTION (See Figure 1)

The frame has mounts for the following parts: (1) the upright assembly, (2) the steering system parts, (3) the electrical system parts, (4) the hydraulic system parts and (5) the doors, access panels and covers.

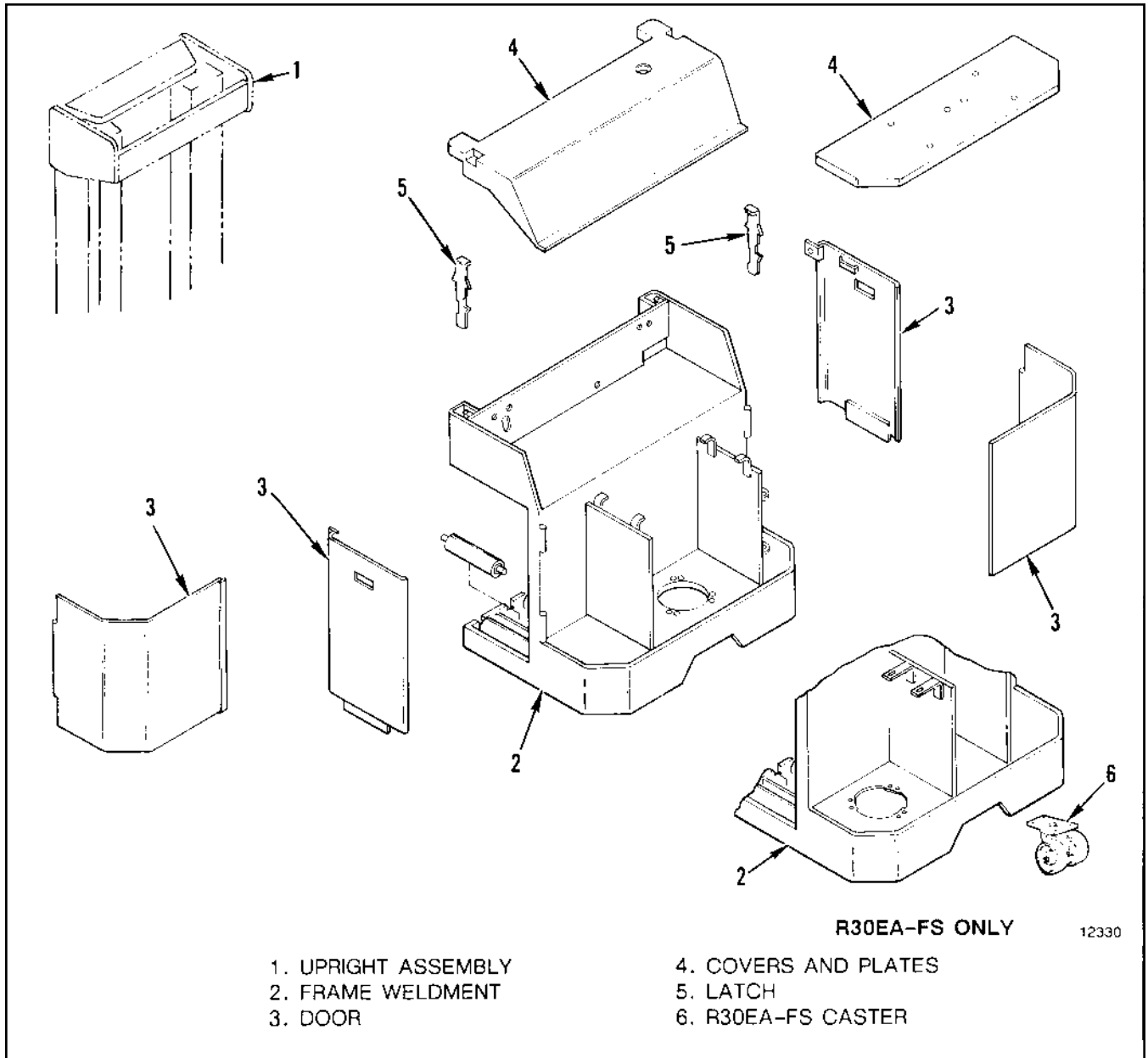


FIGURE 1. FRAME

# REPAIR

## REMOVAL AND DISASSEMBLY

(See Figure 1)

There is very little repair required on the frame. Most repairs can be done by removing the necessary system parts. See the section for the system that has the part that must be removed. To separate the frame weldment from the upright weldment, see the section VISTA UPRIGHT (Repair), (4000 SRM 384). To replace the load wheels in the load arms, see the section PERIODIC MAINTENANCE, (8000 SRM 410).

## Covers, Panels And Plates. (See Figure 1)

The special plastic covers that protect the parts can be removed by removing the screws that fasten them. There are two covers over the main frame weldment. One cover is over the electrical compartment and lowering control valve. The other cover is

over the motor and hydraulic compartments. The panels at each end of the battery compartments can be removed by lifting the latch that fastens the panel.

## R30EA-FS Caster And Caster Wheel (See Figures 1 and 2)

### Description

The caster is one support for the rear of the lift truck and is under the hydraulic compartment. The drive wheel of the master drive unit is the other support for this end of the lift truck. The axle of the caster is an articulated axle. The articulated axle permits both wheels of the caster to always have equal weight. Caster operation and wheel wear are better. The caster is fastened to the frame weldment by four capscrews and lockwashers. The complete caster can be replaced as a unit or the wheels can be replaced. Always replace the wheels as a set for better caster operation and wheel wear. A single new wheel of the set will wear rapidly.

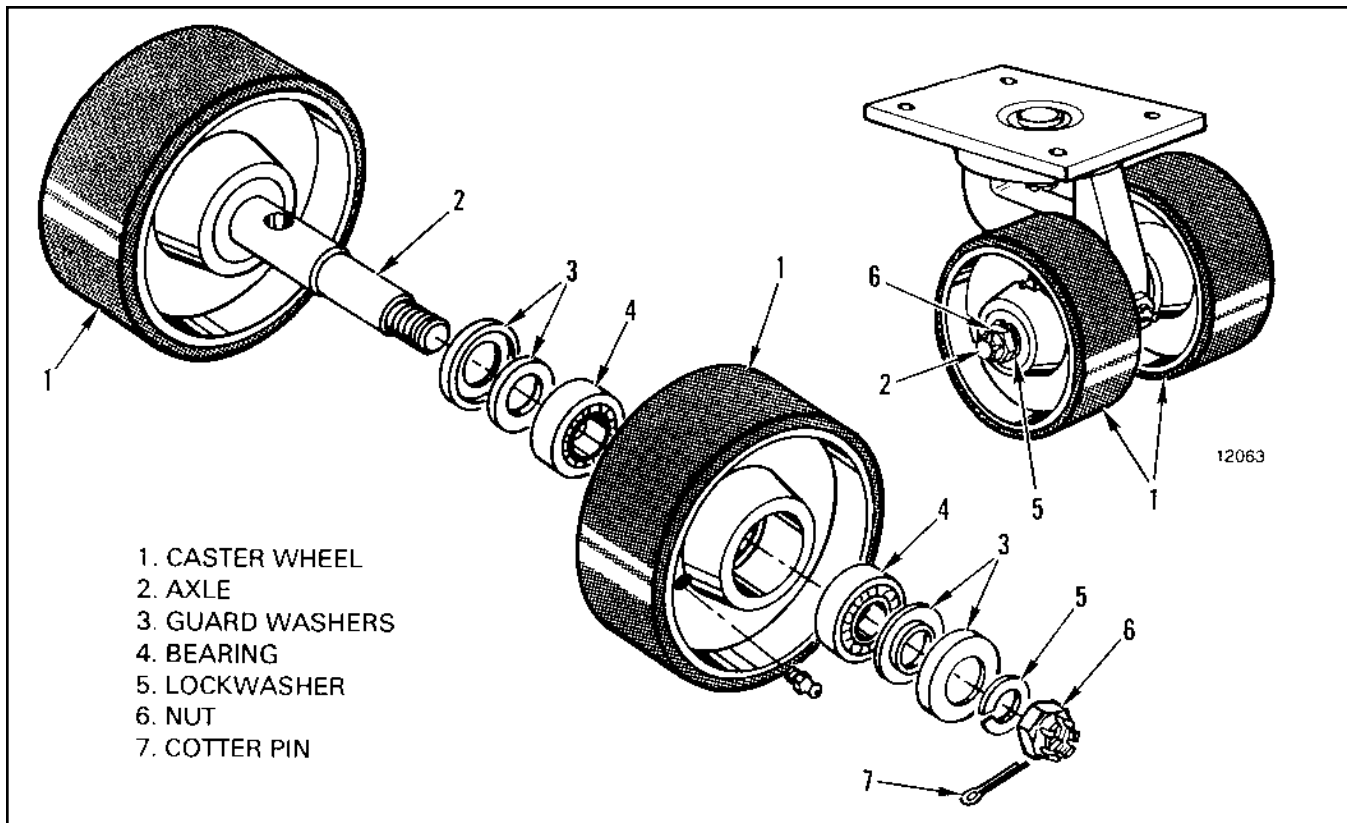


FIGURE 2. CASTER WHEEL

## REPLACING CASTER (See Figure 2)

A. Put the rear of the lift truck on blocks. See HOW TO PUT THE LIFT TRUCK ON BLOCKS in the section PERIODIC MAINTENANCE, (8000 SRM 410).

B. Remove the four capscrews and lockwashers that fasten the plate of the caster to the frame weldment. Remove the caster.

C. Install the replacement caster using the capscrews and lockwashers. Tighten the capscrews to 68 N.m (50 lb ft) torque.

## REPLACING CASTER WHEELS (See Figure 2)

**NOTE:** Always replace the wheels as a set. Replacing only one wheel causes more wear on the new wheel. The caster also will not operate correctly causing more wear or caster damage.

A. Put the rear of the lift truck on blocks. See HOW TO PUT THE LIFT TRUCK ON BLOCKS in the section PERIODIC MAINTENANCE, (8000 SRM 410).

B. Remove The cotter pin, axle nut, lockwasher and guard washers at each caster wheel. Remove each caster wheel.

C. Completely fill new bearings with the grease shown in the MAINTENANCE SCHEDULE of the section PERIODIC MAINTENANCE, (8000 SRM 410). Install the bearings in the replacement wheels.

D. Install the guard washers at each bearing of each wheel. Install each wheel, lockwasher and nut. Rotate each wheel as you tighten each nut. Tighten each nut. to remove all clearance. There will be a resistance to rotation of the wheel. Loosen the nut to the first alignment. to install the cotter pin. Install a new cotter pin at each nut.

## PAINTING INSTRUCTIONS



### WARNING

Always use solvents and paints in an area with ventilation. Do not use solvents or paints near heat,

fire or electrical equipment that can make sparks. Follow the manufacture's instructions and Cautions.

A. Remove all dirt from the surface to be painted. Clean the area to be painted. Use a solvent for painted surfaces. Do not use solvent on new paint. Make sure all oil and grease is removed.

B. Use sandpaper to remove the top surface of the paint and rust from the metal. All metal surfaces where the paint is completely removed, must be painted. Use a primer. Apply the primer before applying the final coat of paint.

C. Protect all surfaces that will not be painted.



### CAUTION

Do not paint the pads, plastic covers or knobs, cables, decals and information plates or controls.

D. Paint the surfaces. Use the correct Hyster paint. Follow the directions on the container. See Figure 3 for the correct arrangement of the paint colors.

## LABEL REPLACEMENT(See Figure 3)

If the labels or information plates are missing or have damage, they must be replaced.



### WARNING

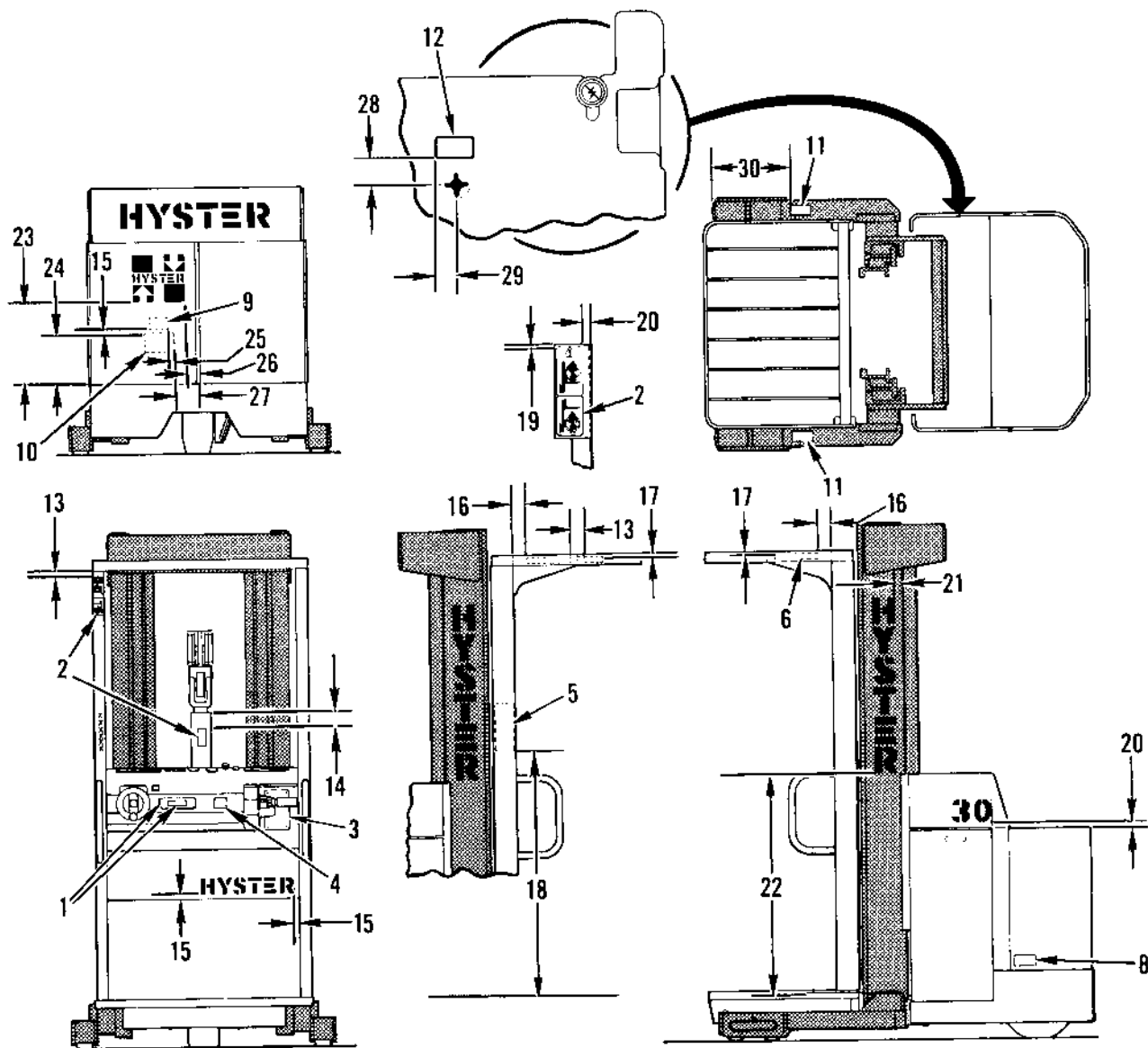
If labels that have warnings or instructions are damaged, they must be replaced immediately.

**NOTE:** The nameplate is installed using rivets. The old rivets must be removed before installing a new nameplate or to change the nameplate information.

A. Make sure the surface is dry and has no oil or grease. Do not use solvent on new paint. Clean the surface of old paint using a cleaning solvent.

B. Remove the paper from the back of the label. Do not touch the adhesive surface.

C. Carefully hold the label in the correct position above the surface. Install the label in the correct position on the surface. Make sure all air is removed from under the label and the corners and edges are tight.



12304

- |                                   |                         |                            |
|-----------------------------------|-------------------------|----------------------------|
| 1. NAMEPLATES* **                 | 18. 1143 mm (45 in)     | 25. 32 mm (1-1/4 in)       |
| 2. NO ONE ON OR UNDER FORKS LABEL | 19. 3 mm (1/8 in)       | 26. 70 mm (2-3/4 in)       |
| 3. CASE WITH OPERATING MANUAL**   | 20. 13 mm (1/2 in)      | 27. 121 mm (4-3/4 in)      |
| 4. UL INSPECTION PLATE            | 21. 43 mm (1-45/64 in)  | 28. 35 mm (1-3/8 in)       |
| 5. WARNING LABEL OPERATION        | 22. 1029 mm (40-1/2 in) | 29. 28 mm (1-1/8 in)       |
| 6. WARNING NO RIDER LABEL         | 23. 381 mm (15 in)      | 30. 406 mm (16 in) TYPICAL |
| 7. OVERHEAD GUARD IMPACT PLATE    | 24. 235 mm (9-1/4 in)   |                            |
| 8. DEALER LOGO                    |                         |                            |
| 9. EV-100 LABEL                   |                         |                            |
| 10. PATENT PLATE                  |                         |                            |
| 11. PINCH POINT LABEL             |                         |                            |
| 12. MANUAL LOWERING LEVER LABEL   |                         |                            |
| 13. 102 mm (4 in)                 |                         |                            |
| 14. 76 mm (3 in)                  |                         |                            |
| 15. 25 mm (1 in)                  |                         |                            |
| 16. 64 mm (2-1/2 in)              |                         |                            |
| 17. 10 mm (3/8 in)                |                         |                            |

\*NAMEPLATE INFORMATION MUST BE COMPLETE

\*\* FASTEN USING WASHERS AND POP RIVETS

**NOTE:** UPRIGHT, BASE ARMS, BATTERY DOOR LATCHES, SHAFT OF BATTERY DISCONNECT LEVER AND PALLET GRIP ARE HYSTER BLACK. FORKS ARE HYSTER RED. ALL OTHER PAINTED SURFACES ARE HYSTER YELLOW

FIGURE 3. COLOR ARRANGEMENT AND LABEL INSTALLATION

(More Content includes: Brake system, Capacities, and specifications, Frame, Hydraulic, System, Industrial battery, Main control, Valve, Mast repair, Fasteners, Schematics diagrams, Steering axle, Steering system, Wire harness repair And more)

**[Click Here](#)**

**Get all the content  
after purchase**

**Thank you very  
much.**