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Component Nomenclature—Loader —SAE J731d

**SAE Standard
Editorial change October 1977**

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**THIS IS A PREPRINT AND WILL
APPEAR IN THE NEXT EDITION
OF THE SAE HANDBOOK**

Society of Automotive Engineers, Inc.
400 COMMONWEALTH DRIVE, WARRENDALE, PA. 15096



PREPRINT

Report of Construction and Industrial Machinery Technical Committee approved January 1957 and last revised June 1975. Editorial change October 1977.

This standard includes names of major components and parts peculiar to this type machine.

φ The illustrations are descriptive of the principles and are not intended to include all existing commercial machines.

(Refer to SAE J1057—Identification Terminology of Earthmoving Machines for machine type.)

- | | |
|----------------------|---------------------|
| 1 - BUCKET | 7 - LINK, BUCKET |
| 2 - CUTTING EDGE | 8 - LINK, GUIDE |
| 3 - BACKSHEET | 9 - LEVER, BUCKET |
| 4 - LIFT ARM | 10 - BELLCRANK |
| 5 - CYLINDER, LIFT | 11 - TOOTH, BUCKET |
| 6 - CYLINDER, BUCKET | 12 - CUTTER, CORNER |
| | 13 - CUTTER, SIDE |

14 - FRAME, LOADER (WHERE SEPARATE FROM MACHINE MAIN FRAME)

24 - PIN, BUCKET HINGE

25 - PIN, LIFT ARM HINGE

"FRONT" & REAR" TO BE USED WHEN APPLICABLE TO ITEMS 7, 8, 9 & 10

DEFINITIONS:

(INTENDED TO BE APPLICABLE TO THESE MECHANISMS ONLY)

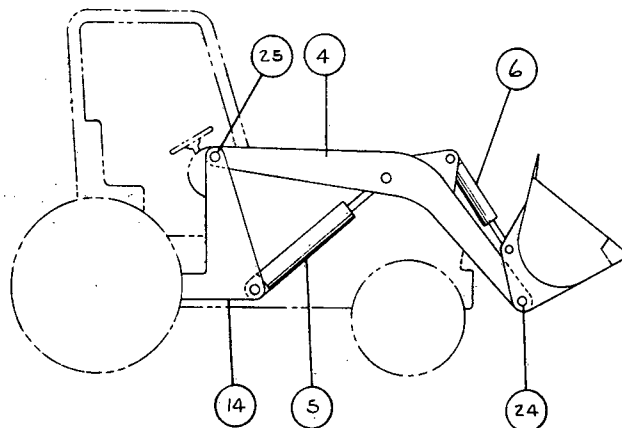
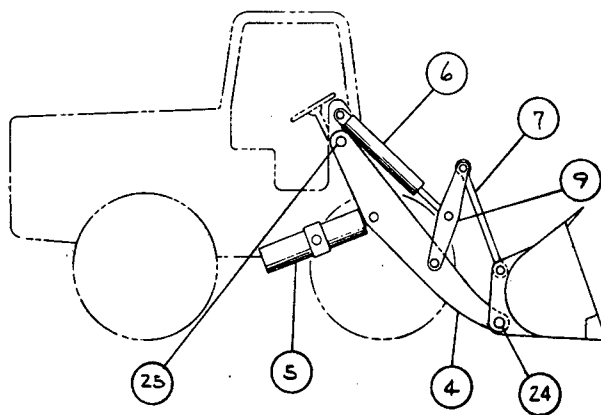
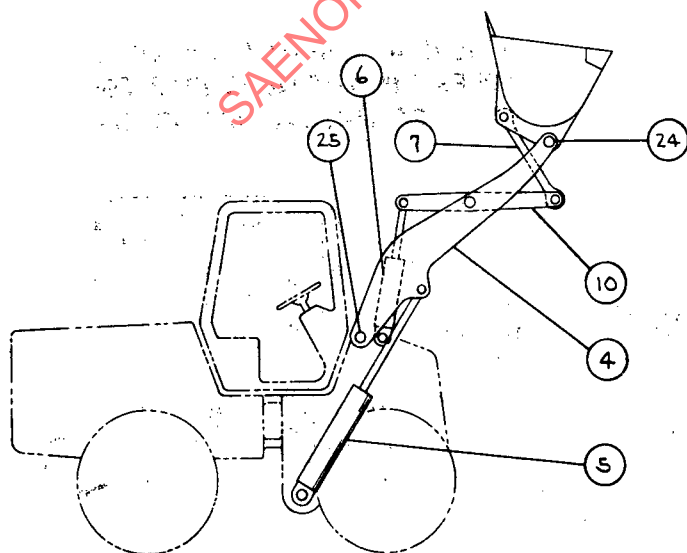
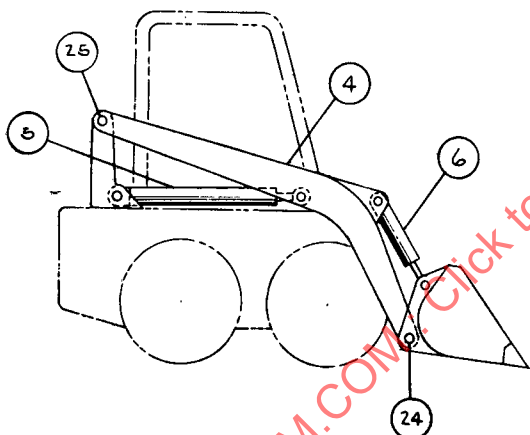
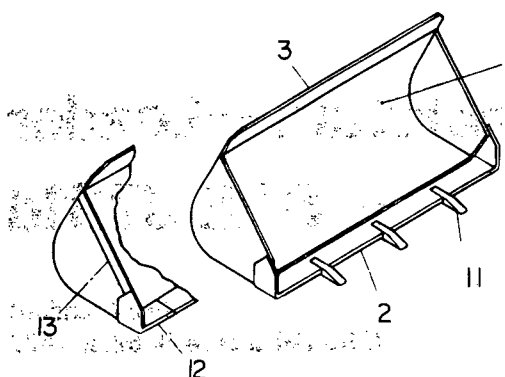
LINK - TWO PIN MEMBER WITH BOTH ENDS MOVING

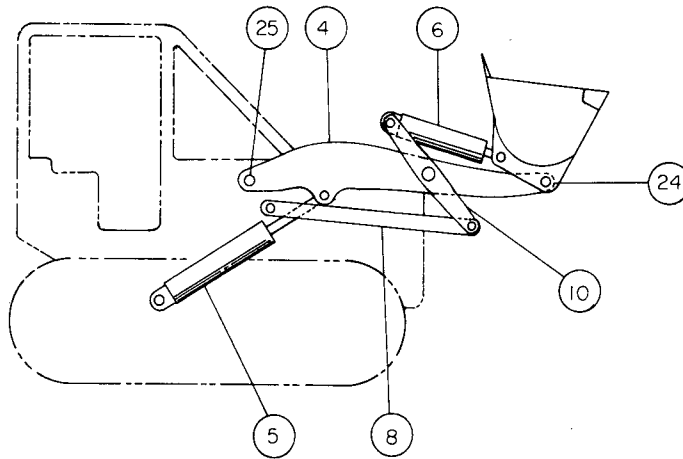
LINK, GUIDE - TWO PIN MEMBER, PIVOTED AT ONE END

LEVER - THREE PIN MEMBER, PIVOTED AT ONE END

BELLCRANK - SPECIAL FORM OF 3 PIN LEVER.

A LEVER WHOSE TWO ARMS FORM AN ANGLE HAVING ITS FULCRUM AT THE APEX OF THE ANGLE. THE ANGLE MAY BE AS GREAT AS 180°





SIDE DUMP BUCKET

- 1 - BUCKET
- 15 - CYLINDER, SIDE DUMP
- 16 - BUCKET SUPPORT W/
CARRIER

MULTI-PURPOSE BUCKET

- 17 - CUTTING EDGE, MOLD-
BOARD
- 18 - MOLDBOARD
- 19 - CLAM SECTION
- 20 - BELLCRANK
- 21 - LINK, CLAM GUIDE
- 22 - CYLINDER, CLAM
- 23 - CLAM CUTTING EDGE

