

Component Nomenclature—Bulldozer —SAE J729a

SAE Standard
Editorial change June 1977

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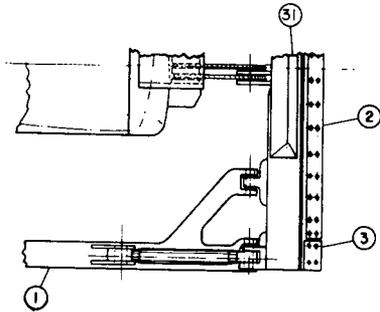
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COMPONENT NOMENCLATURE—BULLDOZER— SAE J729a

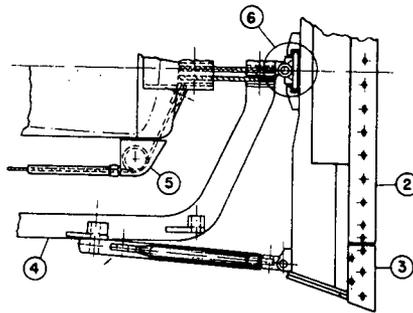
SAE Standard

Report of Construction and Industrial Machinery Technical Committee approved January 1955 and last revised September 1969. Editorial change June 1977.

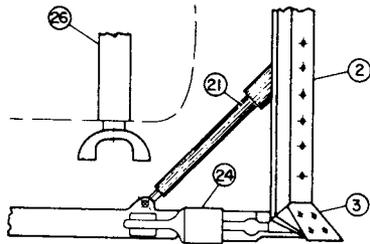
Purpose—The purpose of this SAE Standard is to provide names of major components peculiar to a bulldozer. A bulldozer is defined in SAE J173 (May, 1970). Illustrations of components are not intended to be exactly descriptive of any particular bulldozer.



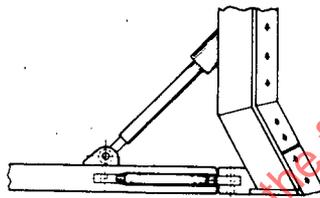
STRAIGHT BLADE BULLDOZER



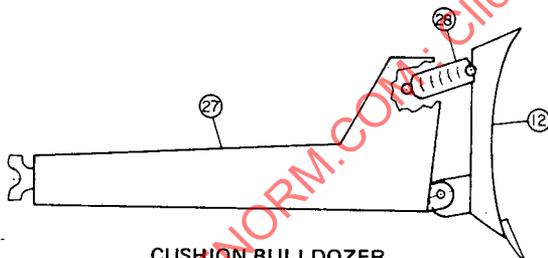
ANGLING BLADE BULLDOZER



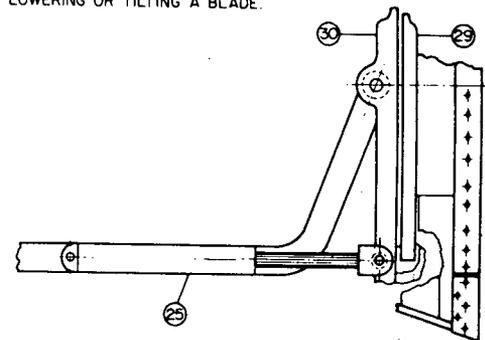
SEMI-U BLADE BULLDOZER



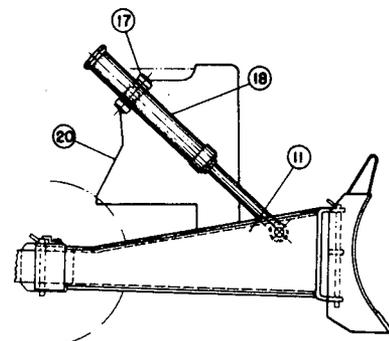
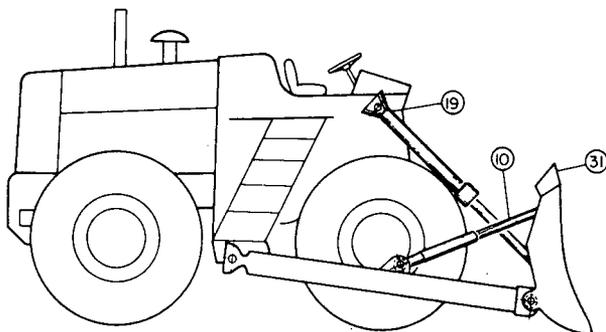
U BLADE BULLDOZER



CUSHION BULLDOZER



POWER (ANGLE AND TILT) BLADE BULLDOZER



- | | |
|-------------------------------------|--|
| ① BEAM, PUSH | ②① STRUT, HORIZONTAL BLADE |
| ② CUTTING EDGE | ②② ARM, LIFT |
| ③ BIT, END | ②③ LINK, LIFT |
| ④ C-FRAME | ②④ CYLINDER, TILT (N ₆) |
| ⑤ HOUSING, SHEAVE (N ₁) | ②⑤ CYLINDER, ANGLING (N ₅) |
| ⑥ SWIVEL, BLADE | ②⑥ TUBE, YOKE OR TRUNNION SUPPORT |
| ⑦ TRUNNION | ②⑦ FRAME, PUSH |
| ⑧ BEARING, TRUNNION | ②⑧ MEMBER, CUSHION |
| ⑨ BRACKET, ANGLING STRUT | ②⑨ FRAME, TILT |
| ⑩ JACK, ADJUSTING (N ₂) | ②⑩ FRAME, ANGLING |
| ⑪ STRUT, ANGLING (N ₃) | ③① SPILL GUARD AND/OR NAME PLATE |
| ⑫ BLADE | |
| ⑬ BLOCK, SHEAVE (N ₄) | |
| ⑭ BRACKET, SHEAVE | |
| ⑮ GUIDE, CABLE | |
| ⑯ STRUT, VERTICAL BLADE | |
| ⑰ YOKE, CYLINDER | |
| ⑱ CYLINDER, LIFT (N ₆) | |
| ⑲ TRUNNION, CYLINDER | |
| ⑳ FRAME, LIFT (N ₅) | |

DEFINITIONS

- (N₁) SHEAVE HOUSING - A HOUSING FOR MOUNTING ONE OR MORE SHEAVES.
- (N₂) JACK - A MECHANICALLY ADJUSTABLE MEMBER FOR PITCHING, ANGLING OR TILTING BLADE.
- (N₃) STRUT - A MEMBER WHICH IS FIXED IN LENGTH AFTER ASSEMBLY.
- (N₄) SHEAVE BLOCK - A PIVOTALLY MOUNTED SHEAVE HOUSING INCLUDING SHEAVES.
- (N₅) LIFT FRAME - THE BASIC STRUCTURE FOR MOUNTING LIFT SHEAVES OR CYLINDERS.
- (N₆) CYLINDER - A HYDRAULLICALLY ADJUSTABLE MEMBER FOR PITCHING, RAISING, LOWERING OR TILTING A BLADE.

(continued on next page)

The ϕ symbol is for the convenience of the user in locating areas where technical revisions have been made to the previous issue of the report. If the symbol is next to the report title, it indicates a complete revision of the report.