

SURFACE VEHICLE RECOMMENDED PRACTICE

An American National Standard

SAE J1463

REV.
JAN1998

Issued 1984-11
Revised 1998-01

Superseding J1463 NOV84

(R) Pull-Type Clutch Transmission Installation Dimensions

1. Scope—This SAE Recommended Practice documents the typical transmission interface dimensions that are used with 14-in and larger pull-type clutches. See Figure 1.

1.1 Purpose—Provide dimensional guidelines for current and future designs and thus promote interchangeability between various clutch and transmission combinations.

Due to the variety of clutches and transmission mounted clutch housings, no standard clearance envelope can be established without imposing design restrictions. It is recommended that any specific combination be verified for clearance before incorporating in design.

2. References

2.1 Applicable Publications—The following publications form a part of the specification to the extent specified herein. Unless otherwise indicated the latest revision of SAE publications shall apply.

2.1.1 SAE PUBLICATIONS—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

SAE J617—Engine Flywheel Housing and Mating Transmission Housing Flanges

SAE J1134—SAE Nodal Mount

SAE J1479—Automotive Pull Type Clutch Terminology

SAE J1731—Pilot Bearings for Truck and Bus Applications

SAE J1806—Clutch Dimensions for Truck and Bus Applications

SAE J1857—Flywheel Dimensions for Truck and Bus Applications

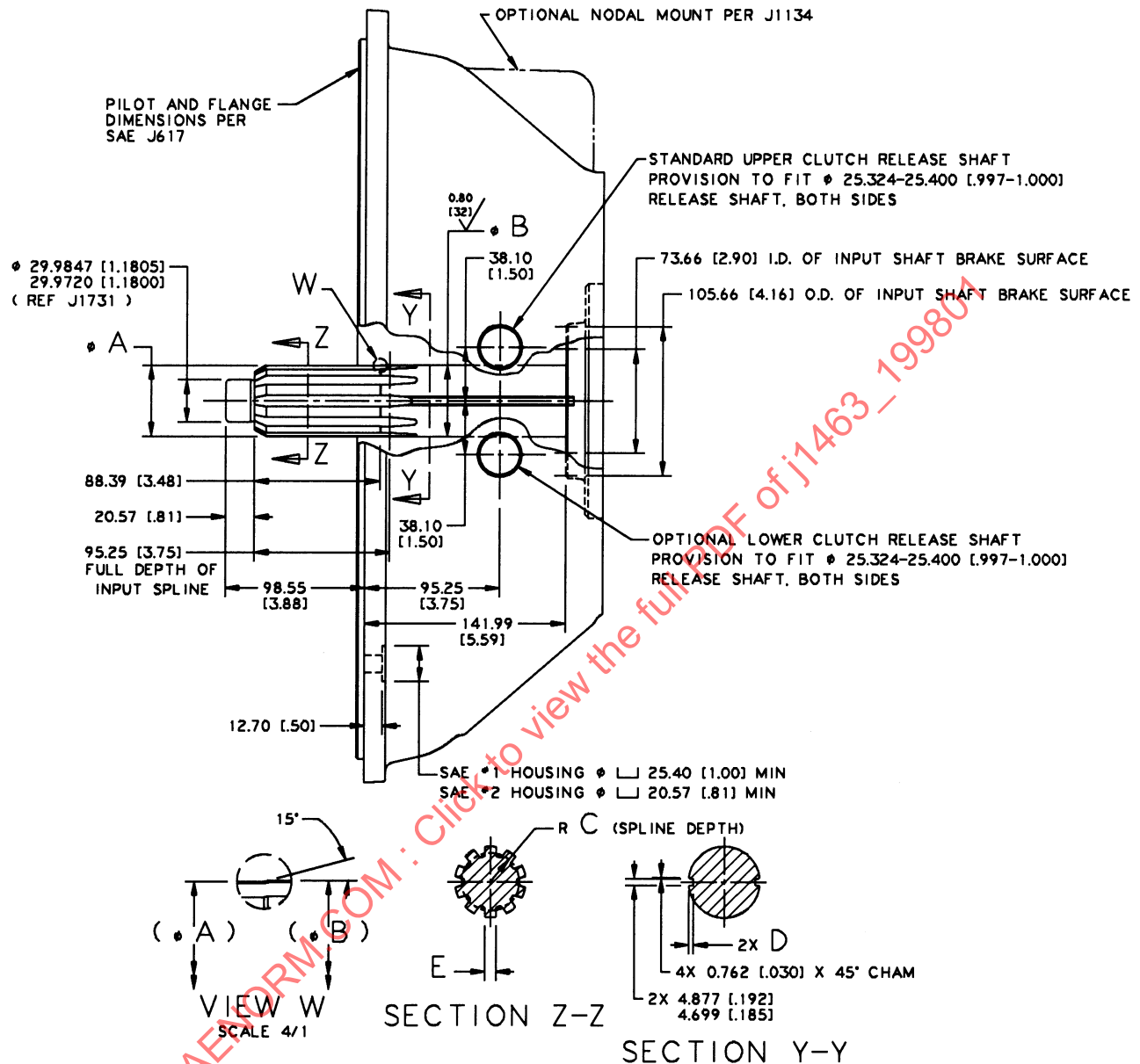
3. Notes

3.1 Marginal Indicia—The change bar (I) located in the left margin is for the convenience of the user in locating areas where technical revisions have been made to the previous issue of the report. An (R) symbol to the left of the document title indicates a complete revision of the report.

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

TO PLACE A DOCUMENT ORDER; (724) 776-4970 FAX: (724) 776-0790
SAE WEB ADDRESS <http://www.sae.org>



ϕ A	ϕ B	R C	D	E
44.221 [1.741]	44.221 [1.741]	17.932 [0.706]	2.764 [0.110]	6.832 [0.269]
43.917 [1.729]	44.171 [1.739]		2.540 [0.100]	6.782 [0.267]
50.723 [1.997]	50.723 [1.997]	20.422 [0.804]	3.479 [0.137]	7.823 [0.308]
50.267 [1.979]	50.673 [1.995]		3.226 [0.127]	7.772 [0.306]

FIGURE 1—PULL-TYPE CLUTCH TRANSMISSION INSTALLATION DIMENSIONS

PREPARED BY THE SAE TRUCK AND BUS CLUTCH SUBCOMMITTEE
OF THE SAE TRUCK AND BUS POWERTRAIN COMMITTEE