

Issued 1966-06
Reaffirmed 2008-04

Superseding J960 FEB2001

Marine Control Cable Connection—Engine Clutch Lever

1. **Scope**—The purpose of this SAE Recommended Practice is to provide guides toward standard conditions for operating marine hydraulic transmissions where push-pull cable control is applicable.

For control cable information see SAE J917.

- a. Provide suitable detents at forward, neutral, and reverse positions. Approximately 22 N (5 lb) of cable force are required to move the engine clutch lever out of the detent positions.
- b. Provide an engine clutch lever with a 6.35 mm (1/4 in) diameter hole at a radius to provide 70 mm (2-3/4 in) linear travel from forward to reverse, with neutral at the center. The engine clutch lever (at 6.35 mm [1/4 in] diameter hole) to have 6.35 mm (1/4 in) maximum thickness. Common cable terminals used are ball joints, clevises, and pivots.
- c. Provide clear cable path to engine clutch lever.
- d. Provide choice of cable paths from different angles. This can be done by providing a sector type of lever with a series of holes equidistant from the centerline of the shaft. It can also be done by having the engine clutch lever repositionable on the engine clutch control shaft.
- e. Provide bracket support near the engine clutch control shaft. This can be a hub, bolt holes, bolt, or other means for use for attaching a cable anchor bracket. A bolt pattern concentric with the engine clutch control shaft is desirable.

2. **References**

- 2.1 **Applicable Publication**—The following publication forms a part of this specification to the extent specified herein. The latest issue of SAE publications shall apply.

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

SAE J917—Marine Push-Pull Control Cables

PREPARED BY THE SAE MARINE CONTROLS SUBCOMMITTEE
OF THE SAE MARINE TECHNICAL COMMITTEE

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.

Copyright © 2008 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER:

Tel: 877-606-7323 (inside USA and Canada)
Tel: 724-776-4970 (outside USA)
Fax: 724-776-0790
Email: CustomerService@sae.org
<http://www.sae.org>

SAE WEB ADDRESS: