

MAINTENANCE NOTICE

AF-90X Direction Relays

STS USA Part Numbers	
AF-902 Cardfile	N12200202
AF-904 Cardfile	N12200204
AF-904 230V Cardfile With Relays	N12200208
AF-904 115V Cardfile Without Relays	N12200210

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Important Notice

STS USA constantly strives to ensure our products are functioning properly and to keep our customers apprised of changes in technology. Following the recommendations contained in this Maintenance Notice will provide our customers with optimum operational reliability. The data contained herein purports solely to describe the product, and does not create any warranties.

Within the scope of the attached Maintenance Notice, it is impossible to take into account every eventuality that may arise with technical equipment in service. Please consult your STS USA Account Executive in the event of any irregularities with our product.

We expressly disclaim liability resulting from any improper handling or use of our equipment, even if this Maintenance Notice contains no specific indication in this respect.

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Revision History

REV.	DATE	NATURE OF REVISION
1	May 2015	Initial Release
2	March 2019	Hitachi Rail STS Branding

AF-90X Direction Relays

1. APPLICABILITY

This maintenance notice describes a brand change for the direction relay used in the AF-90X system. There are no safety issues associated with this maintenance notice and relay replacement need only be conducted on an as-needed basis.

2. SCOPE

2.1. Direction Relay

The direction relay currently used in the AF-90X system is made by Hengstler; part number 462-1499 (J7261530413). As a running change, Hitachi Rail STS is replacing the Hengstler relay with a Dold/Altech equivalent. The relays are sold under the Altech name in the USA, and in Europe, they are sold under the Dold name. The Altech part number is 56.OA02.1242S, and the Dold part number is OA 5602.54/2082. This change is primarily driven by a higher specified electrical life for the Dold/Altech relay, which is greater than 200,000 cycles of operation, compared to 100,000 cycles of operation for the Hengstler relay. Lab testing at Hitachi Rail STS has concluded that the Dold/Altech relay does provide improved electrical life over the Hengstler relay. Therefore; it is now the standard direction relay used in the AF-90X product.

2.2. Foam Block

Vibration testing has shown that the foam block used on the rear panel of the AF-90X system is not necessary for relay retention and it hinders heat dissipation from the relays. Since it is unnecessary, the foam block is being removed from the product.

3. ACTION

3.1. Direction Relay

On a running-change basis, future orders for a direction relay (STS # J7261530413) will be replaced with either a Dold OA 5602.54/2082 or an Altech 56.OA02.1242S.

3.2. Foam Block

When servicing or installing new relays in the field, remove and discard the foam block.

4. RAIL TEAM

Technical questions or requests for information regarding the content of this Maintenance Notice should be directed to the RAIL Team by telephone at 1-800-652-7276 or by Internet e-mail at: railteam@hitachirail.com.







End of Notice