

SERVICE INFORMATION No. SI 42-179

SERVICE INFORMATION No. SI 42NG-042

NOTE: SI's are used only:
1) To distribute information from DAI to our customers.
2) To distribute applicable information/documents from our suppliers to our customers with additional information.
Typically there is no revision service for SI's. Each new information or change of that will be sent along with a new SI.

I. TECHNICAL DETAILS

1.1 Airplanes affected:

All DA 42, DA 42 M, DA 42 NG and DA 42 M-NG airplanes

1.2 Subject:

Identification of stainless steel control cables

ATA-Code: 73-00

1.3 Reason:

With the revision 3 of AMM Doc. No. 7.02.01 and revision 2 of AMM Doc. No. 7.02.15 the stainless steel control cables have been set to "on condition" whereas not stainless steel cables still have to be replaced every 5 years. This Service Information provides guidance to identifying the cable material.

1.4 Information:

DAI recommends using the information listed below to identify the material of the control cables:

1. Stainless steel cables were installed in all DA 42 and DA 42 M series airplanes during production. If the cables have not been replaced since, they are stainless steel.
2. If the cables have been replaced since:
 - a. Ideally the exact specification of the cables has been recorded in the airplane log (Work Log, Authorized Release Certificate, Certificate of Conformity or equivalent):

Specifications of stainless steel cables:
LN 9389 B3.2
ISO 2020-B3.2
MIL-DTL-83420M Type I Comp B



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Specification of **non** stainless steel cables:

LN 9374 B3.2

ISO 2020-A3.2

MIL-DTL-83420M Type I Comp A

Note All cables shipped by DAI with part number SF12579STRETCHED are stainless steel.

- b. If the exact specification of the cables has not been recorded and the cable material can not be positively identified, it must be assumed that the cables are not stainless steel.

DAI recommends installing only stainless steel cables.

DAI recommends recording the specification of the installed new rudder cables by stating the specification and whether they are stainless steel (e.g. "rudder cables replaced with stainless steel cables MIL-DTL-83420M Type I Comp B").

II. OTHERS

In case of doubt contact Diamond Aircraft Industries GmbH.