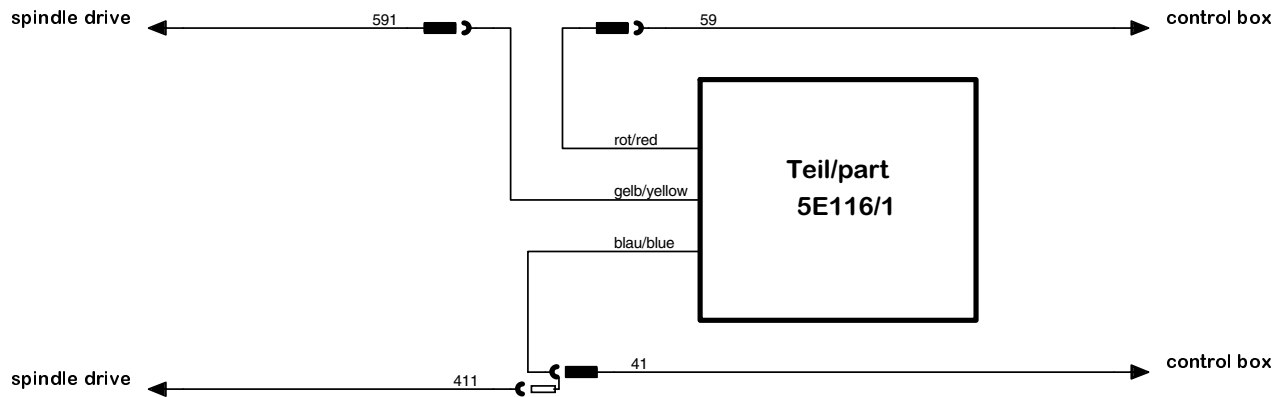



**Spindle-drive for powerplant DG-500MB, installation of spindle-drive control unit 5E116/1**

1. Remove baggage compartment floors and rear wall.
2. Remove the cable ties which fix the wiring of the spindle drive near the rear main bulkhead (at the upper right hand side if you look opposite to direction of flight).
3. Disconnect the voltage transformer (nuts are accessible from the engine compartment) and place one washer 6,4 DIN125 St zn at each bolt between voltage transformer and mounting block. Use new nuts M6 DIN985-8 zn.
4. Remove the heat shrink tubings which cover the wire connectors between wires 59 and 591 and between wires 41 and 411. Disconnect plugs from sockets.
5. Plug in the spindle-drive control unit 5E116/1 according to wiring plan 5E103, see also photo 1. Install pieces of heat shrink tubing first. The piece of heat shrink tubing which should cover the multiple connector between wire 41 and 411 must be enlarged e.g. with pliers,.
6. Slip the heat shrink tubing over the connectors and heat shrink the tubings..
7. Fix the the spindle-drive control unit 5E116/1 with Dual Lock relocable fasteners (like Velcro strips) at the voltage transformer and secure with a cable tie 360x4,8 according to photo 2.
8. Fix the wiring with 3 cable ties 140x3,6 according to photo 2.
9. Execute function test: The spindle drive should start running approx. 1 second after activation of the ignition switch or the manual switch. Test for extension and retraction.
10. Reinstall baggage compartment floors and rear wall.

**Material list Retrofit kit 5E116 for installation of spindle-drive control unit part No. 40571160**

Part No.	Designation	amount
40571161	Spindle-drive control unit 5E116/1	1
52060001	Washers 6,4 DIN125 St zn	2
51060020	Nuts M6 DIN985-8 zn	2
60510956	Cable ties 360x408	1
60510952	Cable ties 140x3,6	3
60504271	Pieces of heat shrink tubing 25 mm long	3
300002514	Dual Lock relocable fasteners, 1 in. wide	2x25 mm



Änderungen zur letzten Ausgabe	Datum	Name	Schicke electronic GmbH Kanalstr. 32 D-76356 Weingarten	
	23.05.13	Utz Schicke		
	Einbau Spindelmotor-Verzögerung <i>installation of spindle drive delay</i>			Zeichnungsnr. <b>5E103</b>
	Ausgabe	Blatt-Nr.	Datei	
A	1 v. 1	DG505_SpindMotVerz_1.sch		