



Issues

INFORMATIVE BULLETIN No. SPORTSTAR – 010 b

1. **CONCERNING TO:** All SportStar airplanes with wing integral fuel tanks, having standard parking brake installed.
2. **REASON:** More difficult bleeding of current brake system may be eliminated by installation of the Matco parking brake as replacement of the standard parking brake, functionality and reliability improved, and airplane weight slightly reduced, as well.
3. **ACTION:** current parking brake to be demounted and Matco parking brake installed.
4. **LATEST DATE OF THE ACTION:** As necessary e.g. at the nearest periodical inspection
5. **TO BE CARRIED OUT BY:** airplane owner, operator or authorized mechanic
6. **COSTS COVERED BY:** Airplane owner
7. **NECESSARY MATERIAL:** BRAKE SYSTEM - SL – MATCO - repair (TP-S5 00-60 01A) see Enclosure
8. **WORK PROCEDURE:** see Enclosure
9. **ENCLOSURE:** MATCO Parking Brake Installation Instructions
10. **ELABORATED BY:** Tomas Mahdalik, Documentation Dept.
11. **APPROVED BY:** Petr Javorský, LSA Project Manager

Tomáš Mahdalík
Documentation Dept.

















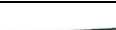

17.02.2009
Date:

Petr JAVORSKY
LSA Project Manager




17.02.2009
Date:



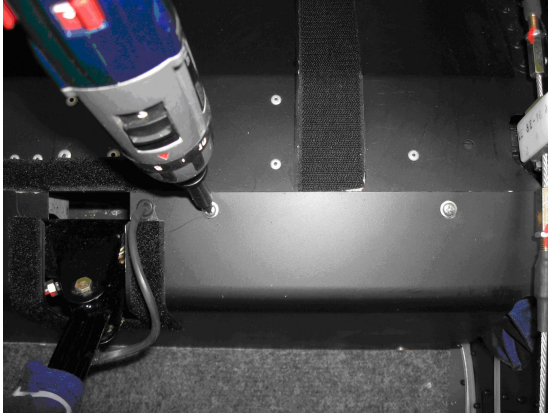



ENCLOSURE - MATCO PARKING BRAKE INSTALLATION INSTRUCTIONS

Picture	Instructions			
	Supplied material:			
	No.	Drawing No.	Title	Qty
	1	S5 40-01 21 	LEVER	1 pc
	2	S5 40-02 21 	BUSHING	1 pc
	3	S1 74-03 21 	AXIS	1 pc
	4	S1 74-07 21 	BRACKET	2 pcs
	5	S1 02-28 21 	CONTROL SYSTEM COVER LEFT	1 pc
	50		PARKING BRAKE VALVE	1 pc
	51		ELBOW FITTING COMPLETE	4 pcs
	52		TUBULAR RIVET 2x8	12 pcs
	53		BOLT M5x30	2 pcs
	54		WASHER 5.3	5 pcs
	55		NUT M5	3 pcs
	56		BOLT M4x10	2 pcs
	57		SCREW M6x25	1 pc
	58		BOLT M5x14	1 pc
	59		WASHER 4.3	2 pcs
60		TIGHTENING STRIP	10 pcs	
66		FITTING STRAIGHT	4 pcs	
67		BRAKE HOSE FLEXION	4.5m	
<p>List of required tools:</p> <ul style="list-style-type: none"> - Drill bit 10 mm diam. to make cut-out for lever - Drill bit 4.1 mm diam. to drill Control system cover L 	<ul style="list-style-type: none"> - Phillips screw driver - Cutting pliers - Hand drill - M8 nut wrench - M12 nut wrench - socket wrench 3 (7/64") 			



Picture	Instructions
	Remove upholstery from the seats.
	Remove control stick sleeves.
	Use a Phillips screwdriver to unscrew the parking brake cover attachment screws.



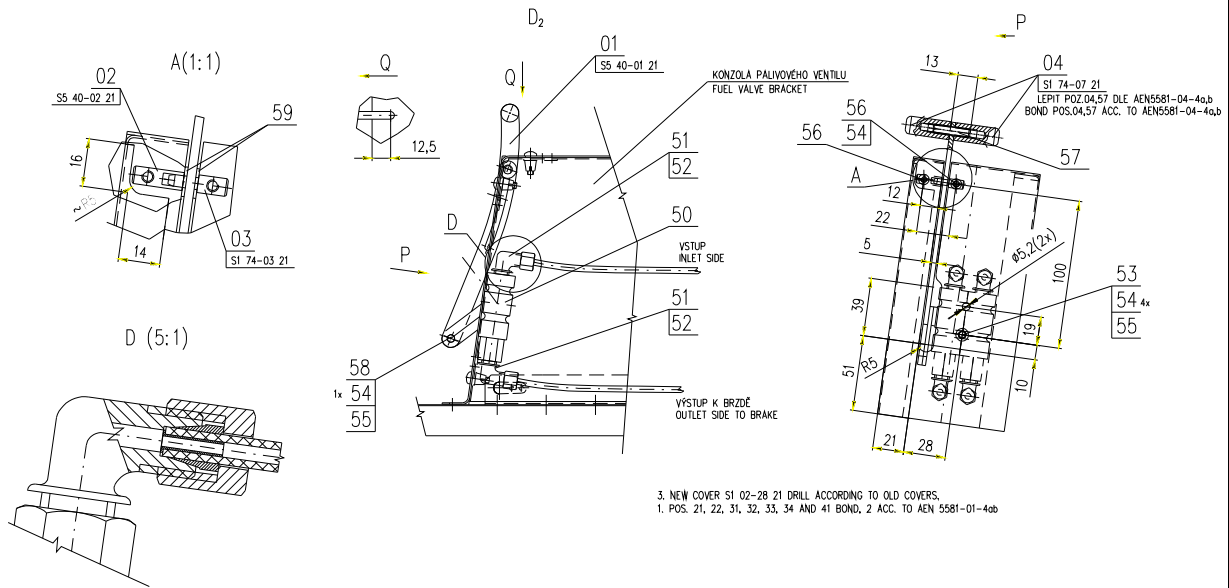
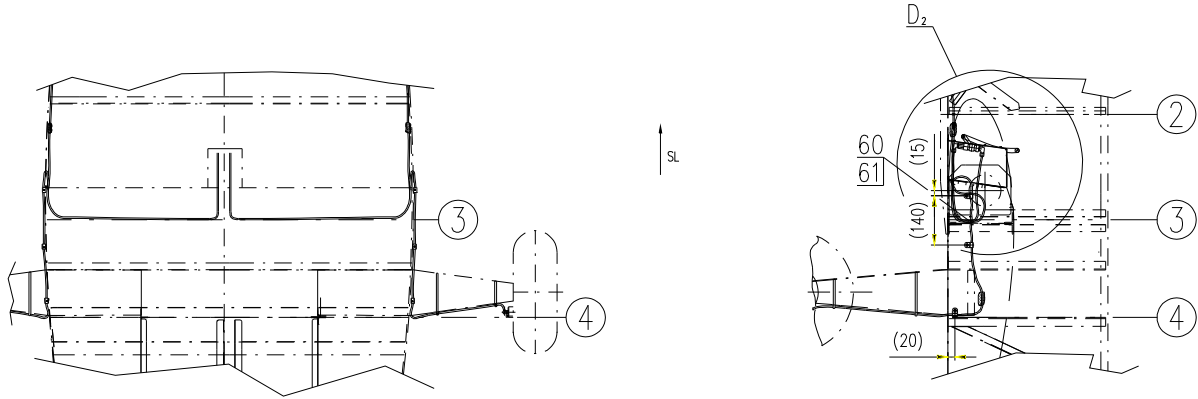
Picture	Instructions
	<p>Use a Phillips screwdriver to unscrew the screws attaching hand control system cover to the co-pilot (right) seat.</p>
	<p>Remove the hand control system cover.</p>
	<p>Remove carefully cockpit left panel.</p>
	<p>You will have access to a single-way valve on the left side.</p>



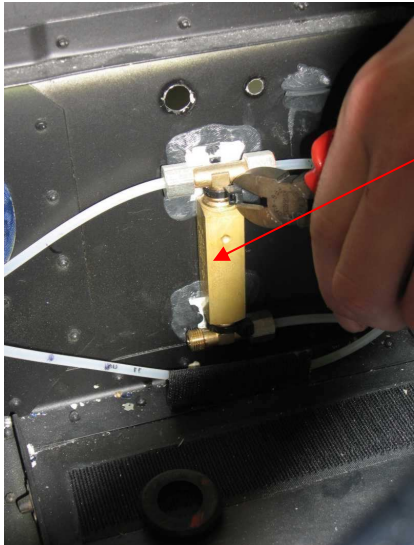
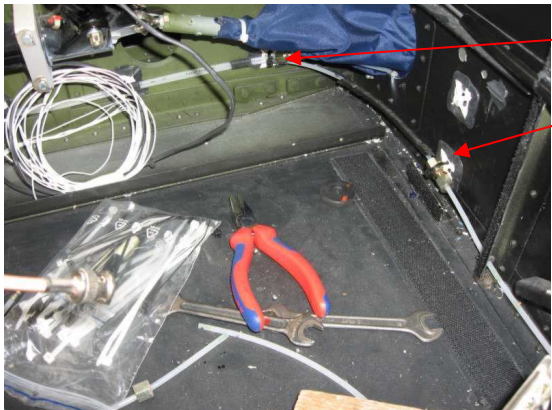
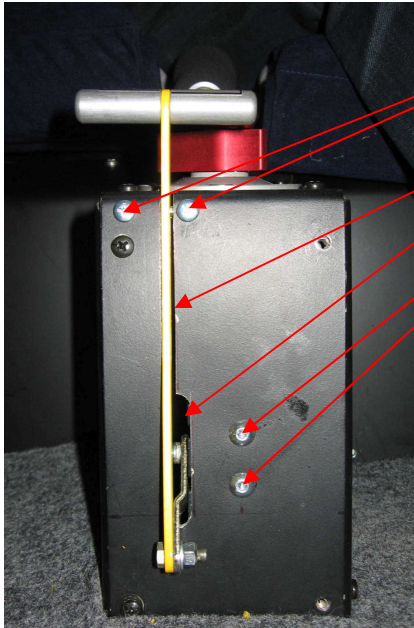
Picture

Instructions


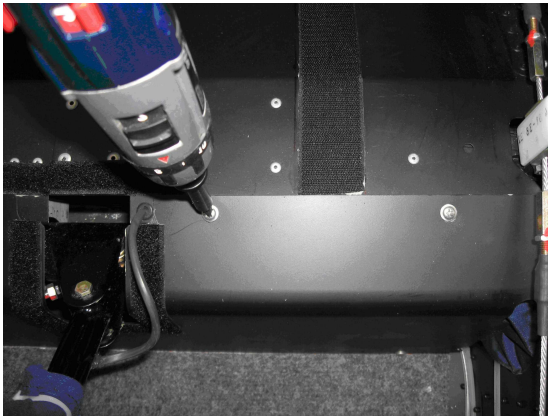


MATCO PARKING BRAKE INSTALLATION DRAWING





Picture	Instructions
	<ol style="list-style-type: none">1. Use cutting pliers to cut tightening strips.2. Demount single-way valve.
	<ol style="list-style-type: none">1. Connect brake upper hoses to the Straight fitting (see Drawing - Detail D).2. Use a tightening strip to fix the fitting to the skin.3. Connect brake lower hoses to the Straight fitting (see Drawing - Detail D).
	<ol style="list-style-type: none">1. Install BUSHING (S5 40-02 21) and AXIS (S1 74-03 21) according to Drawing.2. Make a cut-out for the lever according to the Drawing.3. Install the parking brake valve according to drawing.



Picture	Instructions
	<ol style="list-style-type: none">1. Install the BUSHING (S5 40-02 21) and AXIS (S1 74-03 21) according to drawing.2. Connect brake hoses to the elbows according to drawing.3. Install parking brake valve according to drawing.4. Install lever according to drawing.
	<p>Position the control system cover and screw attachment screws down.</p>
	<p>Install the control stick sleeves.</p>
	<p>Put the upholstery back on the seat.</p>