LAA Light Aircraft Association	IN	SPECT	ION CH	ECKS	
AUTO-PILOT (YAW) INSTALLATIONS (CS-23.1329 + 23.779 and AC 23-17C, 23.1329 refer) LAA/IC-APY Issue 2					
A/C Type:		Reg:	LAA Mod No.	Date:	
(CS-23		9 and AC 23-17C	, 23.1329 refer)	Issue	

1. Check the force required on the rudder pedals for the pilot to overcome the yaw servo. It must be possible to quickly and positively overcome the servo. The force must be adjusted to the minimum value possible to prevent servo clutch-slip when the auto-pilot maximum yaw rate command is activated.

SAT	UNSAT	Comments:
-----	-------	-----------

2. Check that each manual control and switch for the auto-pilot (yaw) system is easily accessible to the pilot in flight. Check that each control operates in the natural sense and that each control is marked as to function and sense.

SAT	UNSAT	Comments:

3. A switch must be provided to quickly disengage the autopilot in flight e.g. in the event of a malfunction. In the case of a dual control aeroplane, a disengage switch must be easily accessible to both pilots in flight.

SAT UNSAT Comments:	
---------------------	--

4. If the maximum force required to overpower the servo is greater than that which can comfortably be applied by the pilot, the disengage switch(es) for the auto-pilot (yaw) system must be mounted on the stick grip(s).

SAT	UNSAT	Comments:
-----	-------	-----------

5. An alternative control to that specified in 3. and 4. above must be provided, e.g. a clearly marked and easily accessible circuit breaker.

CAT	UNSAT	Comments:
SAT	UNSAI	

6. For auto-pilots designed to command servo disengagement following pilot applied force to the controls, an aural 'auto-pilot disengaged' warning feature must be activated. Record the type of warning (horn, voice, etc.) and whether through the headphones, speaker, horn, etc.

		Comments:
SAT	UNSAT	

Auto-pilot (Yaw) Make/Model:

	Check that the maximum servo travel either in normal use or following a malfunction (servo runaway) cannot cause undue loads or travel in the control system or the control stops or cause over-centre geometric lock which could jam the system.					
	SAT	UNSAT	Comments:			
	operation.	Selector	switch position		wing the selected mode of ate. In the case of a dual both pilots.	
	SAT	UNSAT	Comments:			
	9. Check that each part of the linkage connecting the servo permanently to the flight control system complies with normal requirements for flying control systems with regard to integrity, locking of bolts, strength, freedom from possibility of jamming etc. – specifically, ensure that the servo arm/pulley retaining bolts are installed using thread locking compound unless another acceptable bolt retaining method is employed.					
	SAT	UNSAT	Comments:			
	10.Check the rudder moves in the correct sense and with the correct range of movement stop to stop.					
	SAT	UNSAT	Comments:			
	maintenan degrees to	ce is remo	ote (e.g. it shou	ld not be possible to ir electrical plugs and s	wrong way round during estall the servo arm at 180 sockets should be suitably	
	SAT	UNSAT	Comments:			
				the pilot, stating: SELOW 1000 FT AGL	PROHIBITED'.	
	SAT	UNSAT	Comments:			
I ce	ertify that t	he above	checks have be	en carried out to my sa	atisfaction.	
Na	ime:		Signed:	Insp. No.:	Date:	
Not	e: Valid fli	ght test a	authorisation iss	ued by LAA Engineerin	g required prior to flight.	