TECHNIPLUS

2 CHANNEL
2 SERVOS

DIGITAL PROPORTIONAL RADIO CONTROL SYSTEM



INSTRUCTION MANUAL

acoms AP-227 Mk III

Dear Radio Control Hobby Friend,

Congratulations on buying this ACOMS AP-227 MK-III "TECHNIPLUS" two-channel digital radio control set, which has been manufactured and assembled with the greatest care.

We are confident that by following our simple instructions you will be delighted with your purchase. Please read the instructions thoroughly, noting all points before use, in order to avoid mistakes in handling and operation.

Should you carry out your own repairs or modifications to the apparatus or to any part of it, we cannot accept responsibility and the guarantee becomes null and void.

It is advisable to check your ACOMS AP-227 MK-III "TECHNIPLUS" before installing it into your model.

If the set has been damaged through misuse, a charge will be made for repair, the amount of which will be dependent on the damage.

We wish you a lot of pleasure with our ACOMS AP-227 MK-III "TECHNIPLUS".

CONTENTS OF ACOMS AP-227 MK-III "TECHNIPLUS"

TRANSMITTER	AP-227	
RECEIVER	ARC-227	
SERVO	AS-7	2 pcs. included.
BATTERY BOX	AB-3	
SERVO HORN A.B.		2 pcs. each of HORN A and B included.
FLAG		
WIRESTRAPS		2 pcs. included.
SERVO CUSHION		4 pcs. included.

SERVO CUSHION SHOULD BE USED ON SERVOS WHERE NECESSARY

ATTENTION

* To obtain the best results from your new ACOMS set it is recommended that you observe the following: When starting, switch on the transmitter before the receiver. When finishing, switch off the receiver before the transmitter.

* A very strict check of all materials used and a continuous inspection using specially developed sophisticated measuring devices at all stage of production, ensures the compatibility of all ACOMS equipment.

FEATURES OF THE ACOMS AP-227 MK-III "TECHNIPLUS"

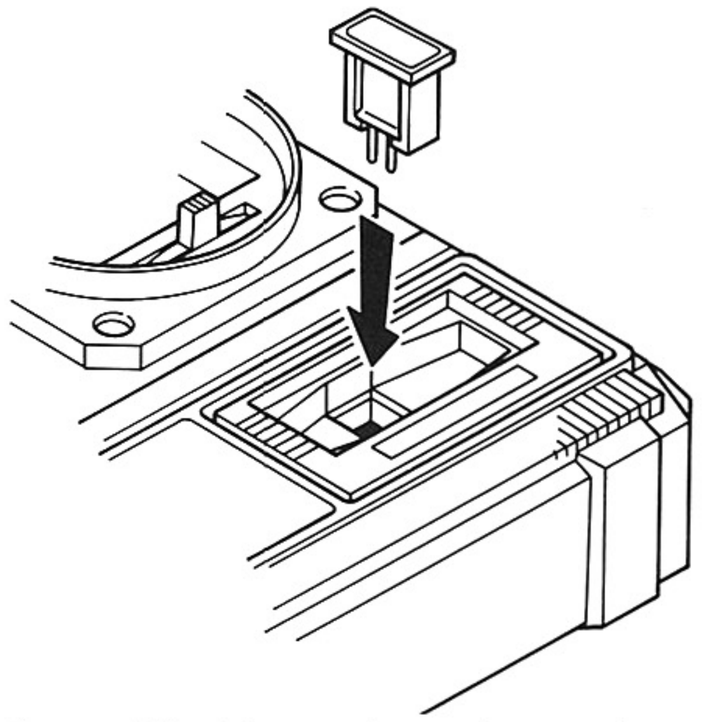
TRANSMITTER ACOMS AP-227

* Highly efficient design with attractive two colour plastic case. This transmitter gives a stable and adequate output under most climatic conditions.

* The frequency bands are precise and conform to internationally recognized standards. They are free from spurious radiation and therefore do not interfere with adjacent bands.

* The transmitter is equipped with a high grade voltage indicator so that the voltage state of batteries can be checked easily. If this meter indicates red, it is advisable to change batteries.

* Interchangeable plug-in crystals enable a rapid change of frequency by simply unplugging from the front of the case. (6 interchangeable crystals in the 29 MHz band). The use of crystals, other than ACOMS, can damage the radio and invalidates our guarantee.

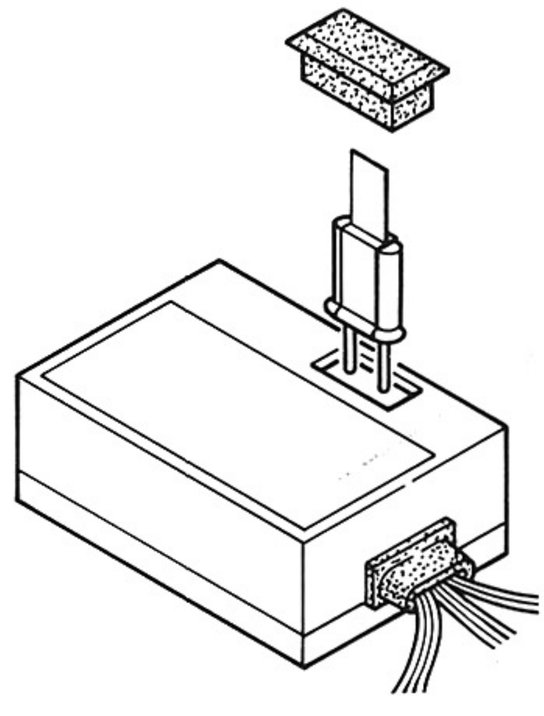


RECEIVER ACOMS ARC-227

* The basic efficiency of this receiver, namely multi-signal intensified input jamming ratio, cross talk jamming ratio, practical sensitivity and stability, is highly efficient through the adoption of special semi-conductors and the ACOMS unique circuit system.

* The external connections improve water resistance.

* The interchangeable frequency crystal is plugged into the top to enable rapid change. Make sure the crystal is fully inserted in the receiver and not partially inserted or floating. Also make sure the rubber crystal cover is also fixed firmly in place to protect against dampness.



SERVO ACOMS AS-7

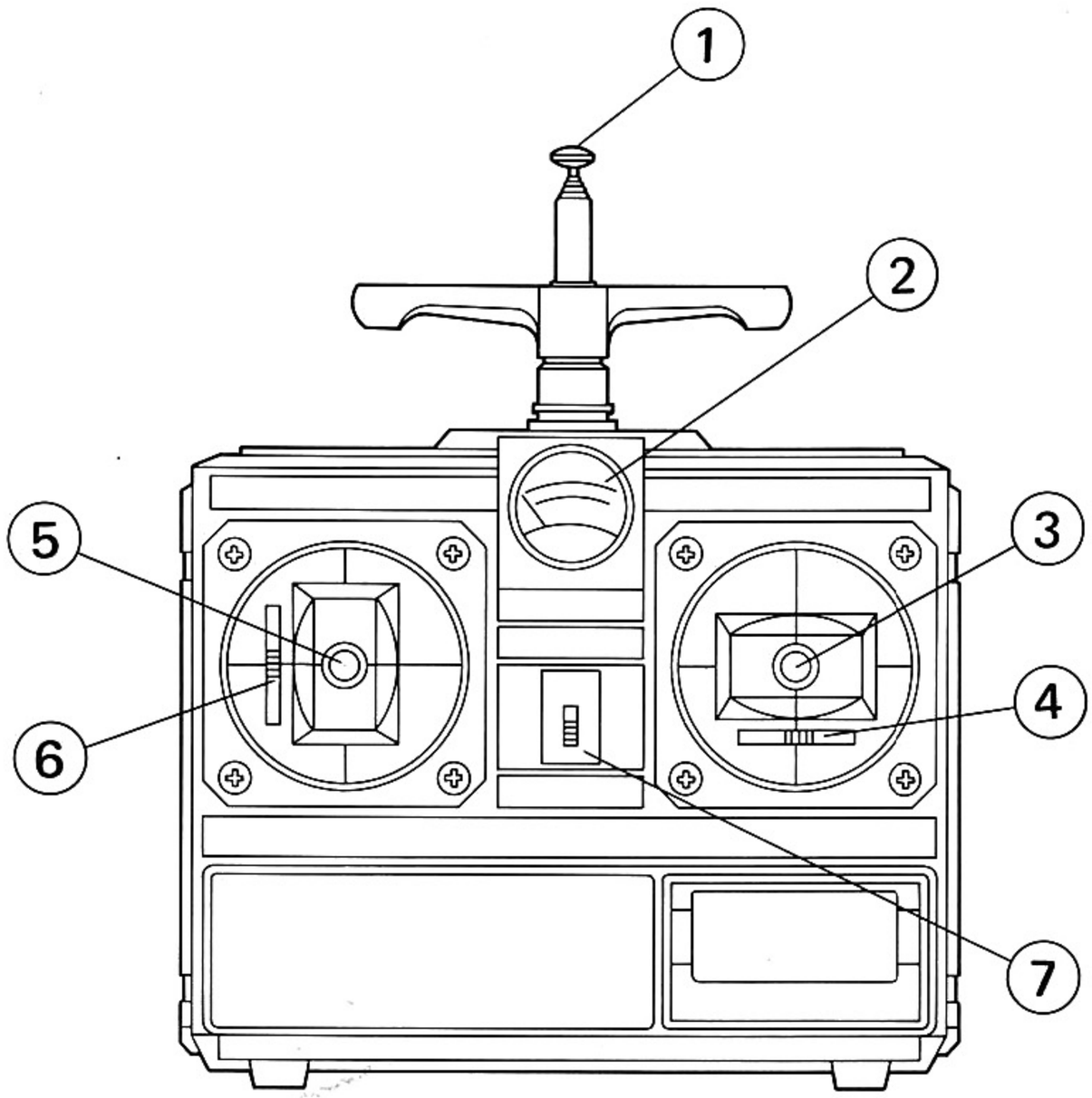
* The sturdy (replaceable) gears have been designed to stand up to considerable shocks and loads when used normally and are highly efficient.

* Since this servo is designed to be splashproof, its use in electric off-road cars is recommended.

INTERNATIONALLY RECOGNISED FREQUENCY BAND------27MHz

Channel :	1	2	3	4	5	6
Frequency MHz :	26.995	27.045	27.095	27.145	27.195	27.255
Colour :	Brown	Red	Orange	Yellow	Green	Blue

EXTERNAL VIEW OF TRANSMITTER



① RETRACTABLE 7 SECTION AERIAL

Use fully extended except on short range or testing indoors.

② VOLTAGE INDICATOR

If the meter indicates green, the voltage of the batteries is approximately full strength.

If the meter indicates yellow, it is a warning that batteries are not giving full power.

If the meter indicates red, the batteries are weak and may need changing.

③ FUNCTION 1 STICK

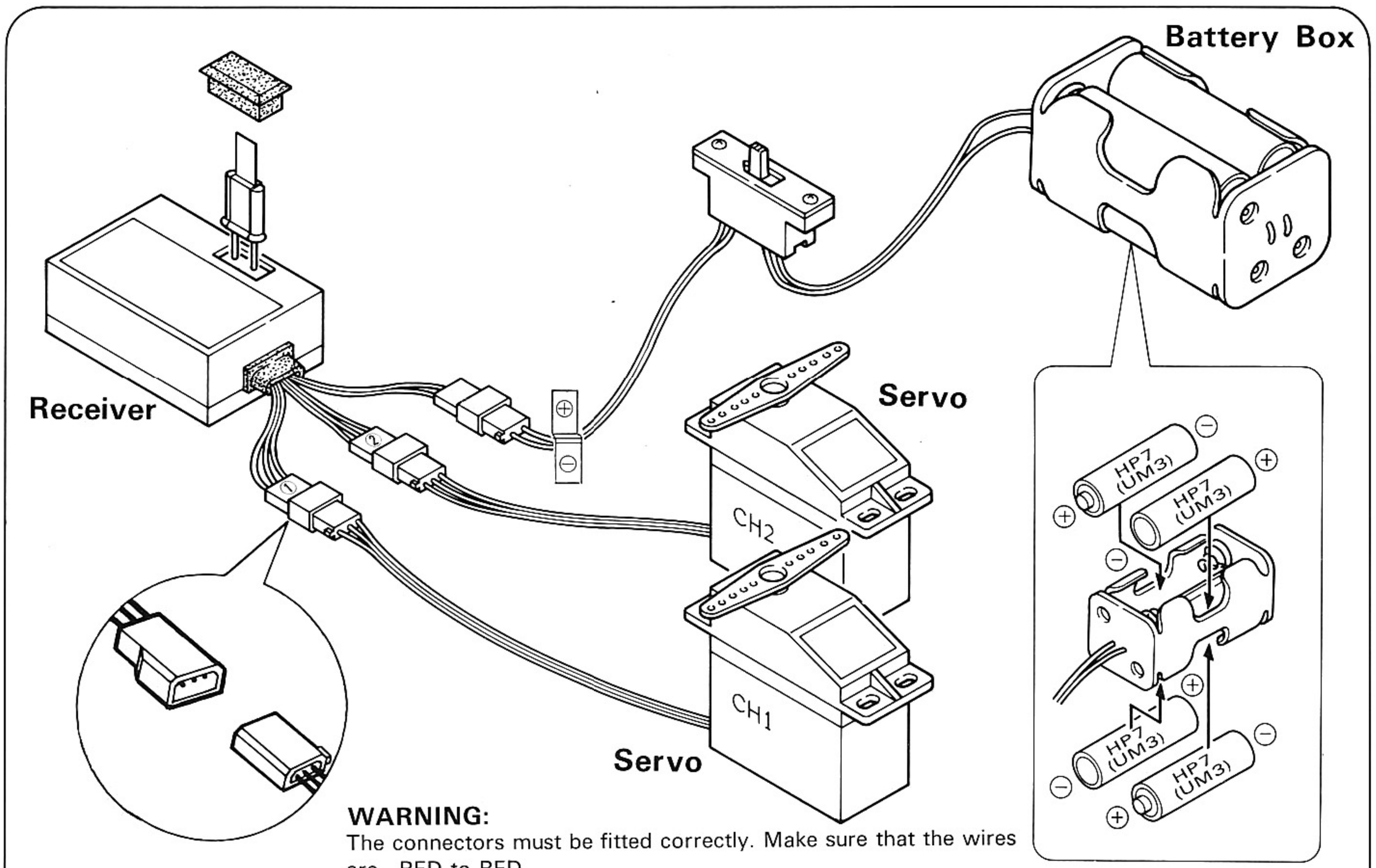
④ FUNCTION 1 TRIM TAB

This useful device enables you to trim the control and obtain true neutral, allowing for various unforeseen variations in the performance characteristics of your model. The ACOMS trim tabs are on a ratchet which means you are able to make a fine adjustment and set it.

⑤ FUNCTION 2 STICK

⑥ FUNCTION 2 TRIM TAB

⑦ ON/OFF SWITCH



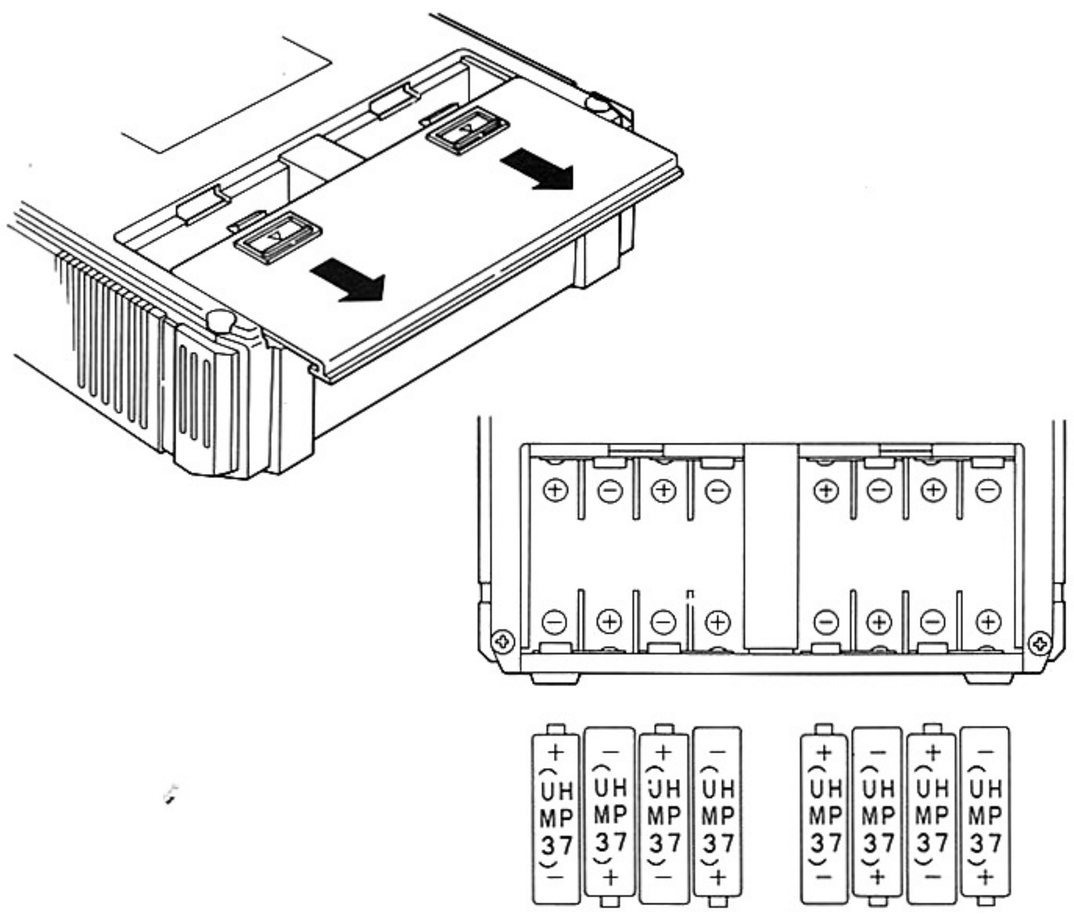
WARNING:
The connectors must be fitted correctly. Make sure that the wires are RED to RED
WHITE to WHITE
BLACK to BLACK.

TECHNICAL DATA-ACOMS AP-227 MK-III "TECHNIPLUS"

	Transmitter AP-227	Receiver ARC-227	Servo AS-7
Antenna Output	500 mW		
Modulation System	AM		
Impulse Tolerence	1.4 mS ± 0.4 mS		
Length of Cycle	18 mS		
Power Supply Dry Cell	DC 12V	DC 4.8 - 6V	From receiver
Intermediate Frequency		455 KHz	
Channel Width		5 KHz/-6 db	
Torque			3.0 kg/cm or more
Current Consumption	150 mA	10 mA	
Dimension MM	164 x 137 x 60	50 x 36 x 21	40 x 20 x 42
Weight grms	405	38	50

It is the policy of ACOMS to strive to improve their quality.
ACOMS therefore reserve their right to alter these specification at any time without notice.

HOW TO CHANGE TRANSMITTER BATTERIES



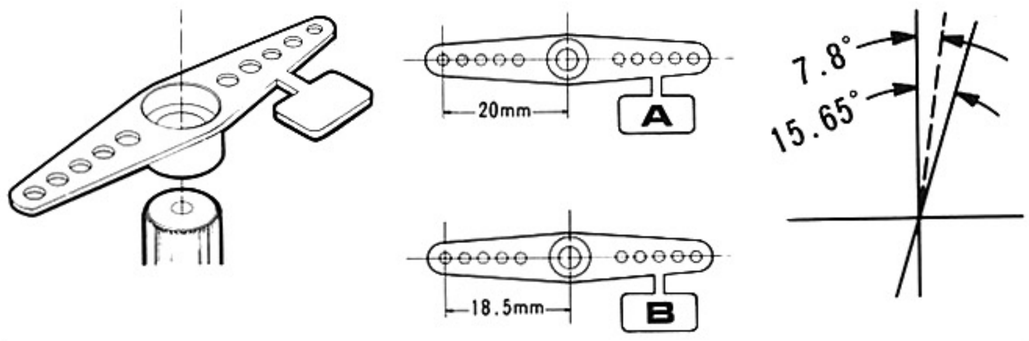
To remove the battery cover, slide in the direction of the arrows (downward) whilst lightly pushing the fingermark. When inserting batteries always insert the negative end first observing the correct polarity as stamped in the battery case. If the transmitter voltage indicator fails to register, check the contacts, especially the negative — and recheck that batteries are fitted correctly. Also make sure the batteries are fully charged.

SPLINED HORN

ACOMS servo horn has a splined mounting so that the neutral position can be adjusted.

ACOMS servo horn has 23 splines. The adjustable angle per spline is 360° ÷ 23° = 15.65°.

The serrations of horn "A" and horn "B" vary by 7.8 degrees. Therefore although splines on servo are at 15.65 degree intervals by using horn "A" and "B" alternately a setting of 7.8 degrees can be achieved.



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