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aeromaster 'too'

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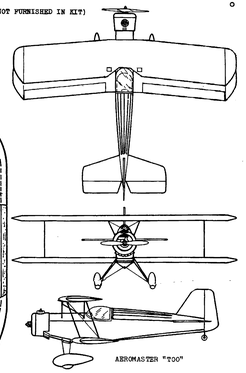
PLANS BY LOU ANDREWS AND THE EXPERT AID OF WILLIAM P. HARNEY.

(CANOPY, WHEEL PANTS & COWL NOT FURNISHED IN KIT)



LISTEN TO THIS: THE MOST POPULAR BIPE IN THE HISTORY OF R/C MODELING HAS BEEN UP-DATED.

FIRST: THESE FEW CHANGES AND ADDITIONS ARE BY POPULAR REQUEST FROM MODELERS TO MAKE THE "AEROMASTER" MORE VERSATILE.

SECOND: THESE FEW CHANGES AND ADDITIONS DO NOT AFFECT THE KIT AS IT IS NOW.

THIRD: THE "AEROMASTER CAN NOW BE BUILT IN THREE CONFIGURATIONS FROM THE SAME KIT AND ALL THE NECESSARY EXTRA MATERIAL, ADDITIONAL WING PLANS AND INSTRUCTIONS ARE INCLUDED IN THE KIT.

FOURTH: THE "AEROMASTER" CAN BE BUILT AS IT IS ON NOW KNOWN - IT CAN BE BUILT WITH THE TOP WING SPAN INCREASED TO 52¾" AND AN INCREASE IN AREA OF FROM 512sq." AS IT IS NOW TO 564sq." - AND HERE IS THE SURPRISE - IT CAN NOW ALSO BE BUILT WITH BOTH WINGS SWEPT BACK WITH 52¾" SPAN ON BOTH WINGS AND A TOTAL AREA OF 916sq.", AN INCREASE OF OVER 90sq.".

INSTRUCTIONS FOR THE AEROMASTER "TOO" SWEPT WINGS:

ACTUALLY, ACCEPT FOR THE FACT THAT BOTH WINGS ARE SWEPT BACK, THE CONSTRUCTION OF THESE NEW WINGS IS IDENTICAL TO THE STANDARD "AEROMASTER" WINGS WITH A FEW SIMPLE CHANGES AND ADDITIONS AS FOLLOWS:

SO AS TO KEEP A STRAIGHT LINE AILERON PUSH ROD, YOU HAVE TO SLOT 2 NEW M& & R5 RIBS THAT ARE MADE FROM R6 RIBS AS NOTED ON PLAN. THESE NEW M& & R5 RIBS REPLACE THE REGULAR M& & R5 RIBS AND THESE SAME REGULAR M& & R5 RIBS REPLACE THE R6 RIBS USED TO MAKE THE NEW M& & R5 RIBS.

THE SCARF JOINTS ON THE L.E. AND SPARS ARE IN A DIFFERENT LOCATION AS NOTED ON THE PLAN.

THERE IS NO DIHEDRAL IN EITHER WING - FLAT OUT.

THE SPAR TIES HAVE BEEN ELIMINATED AND THE 1/16" WEBBING ELIMINATES PART S2 IN THE SERVO BAY AND THE S2 PART IN THE SERVO BAY WITH THE DIHEDRAL ANGLE CUT INTO IT IS DISCARDED AND REPLACED WITH A NEW ONE WITH THE DIHEDRAL ANGLE.

THE 2 R7 CENTER RIBS ON THE LOWER WING ARE SHORT TO ALLOW FOR THE PLY. TIES AND WITH THE TIES LEFT OUT; THE GAPS IN THESE CENTER RIBS HAVE TO BE FILLED WITH SMALL PIECES OF 1/16" BALSA TO FILL THE GAPS. WHEN USED IN THE NEW SWEPT LOWER WING, THE R7 SHORT RIBS ARE SET INTO A NEW LOCATION AT AN ANGLE TO RECEIVE THE 1/8" PLY. AILERON HORN BED.

THE C.G. ON CONFIGURATION 1 (STANDARD AEROMASTER) REMAINS THE SAME. THE C.G. ON CONFIGURATION 2, (SWEPT TOP 52¾" WING & 40" STRAIGHT BOTTOM WING) IS 8" IN FRONT OF THE REAR CABANE STRUT. THE C.G. FOR CONFIGURATION 3 (DOUBLE SWEPT 52¾" WINGS) IS 1/8" IN FRONT OF THE REAR CABANE STRUT.