

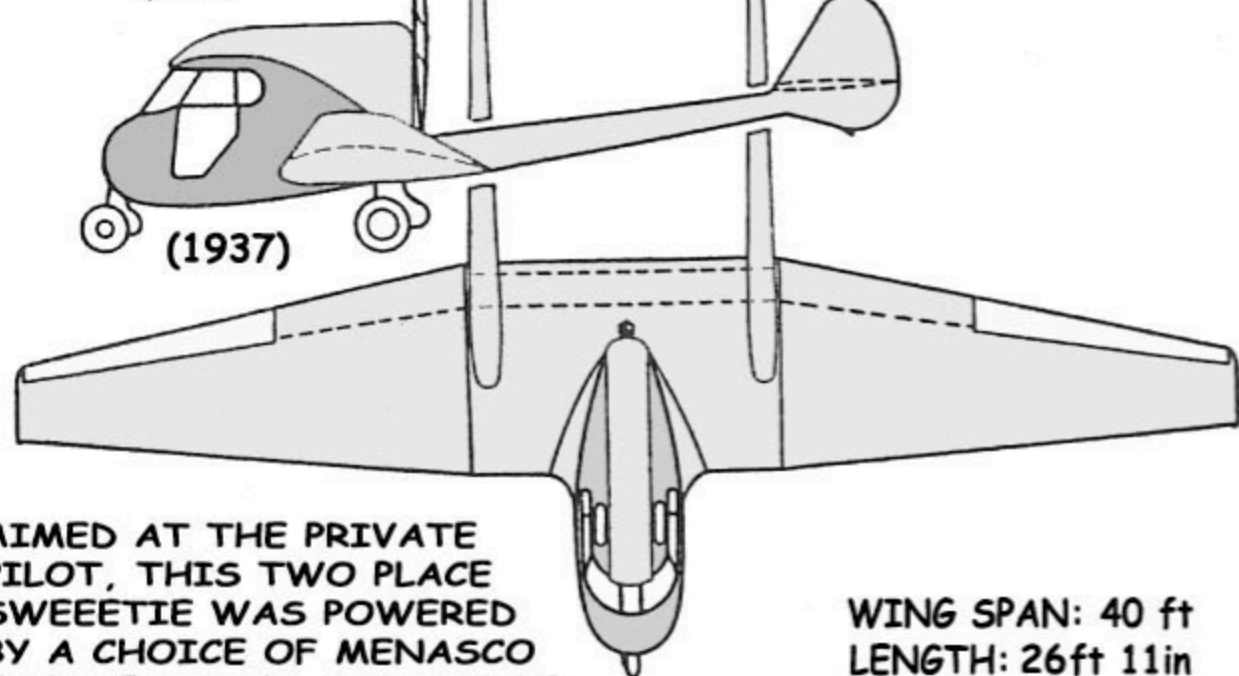
# STEARMAN P-17 KAYDET N2S-5

The Stearman "Kaydet" can trace its design and heritage back to Lloyd Stearman, founder of the Stearman Aircraft Co., at Venice, Ca in 1926. The Company was moved to Wichita, Kansas in 1927 & subsequently became part of Boeing Aircraft.

The first model 75, the X75 prototype, was test flown in September 1934. By February 1945, the Stearman Aircraft Co., built over 8,000 Kaydet airplanes in Wichita for the U.S. Army Air Corps (PT-17) and U.S. Navy (N2S) to use as primary military trainers.

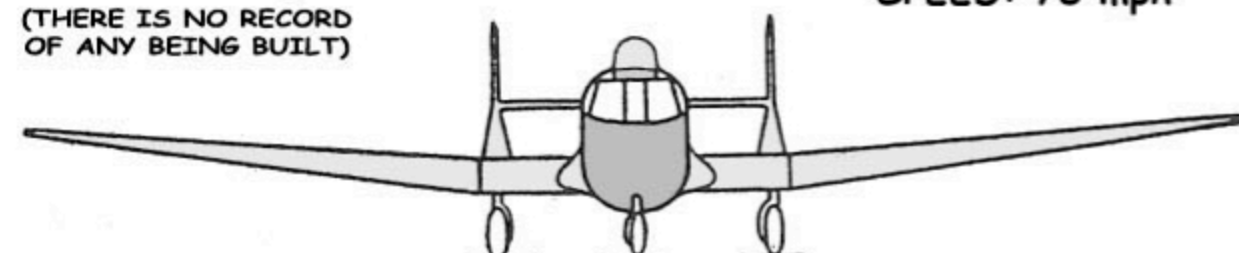
During this 11-year span, more American military pilots learned to fly in the Stearman model 75 primary trainer than any other airplane.

## STEARMAN-HAMMOND V-1

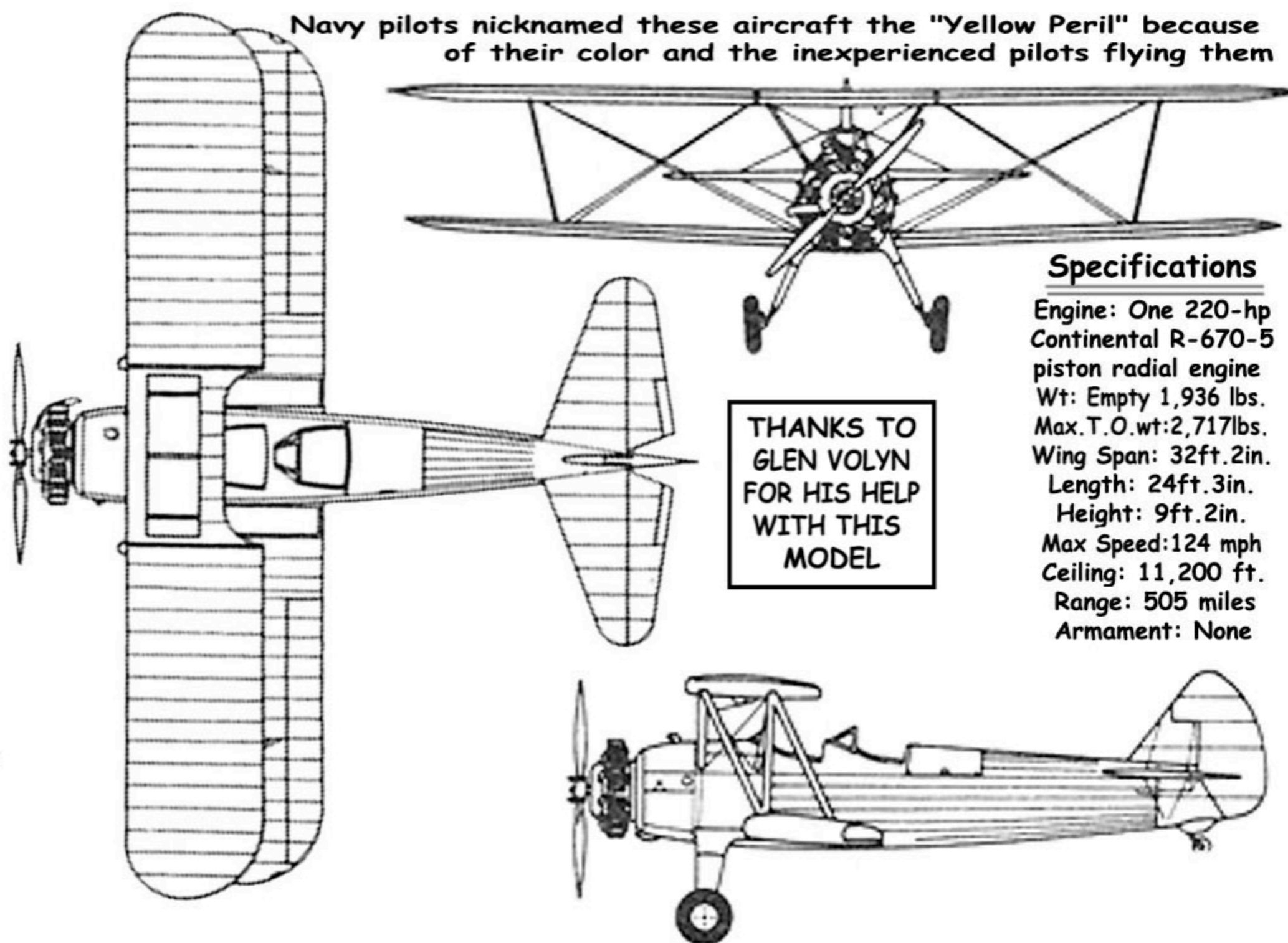


AIMED AT THE PRIVATE PILOT, THIS TWO PLACE SWEETIE WAS POWERED BY A CHOICE OF MENASCO ENGINES-125hp AND 150 HP  
(THERE IS NO RECORD OF ANY BEING BUILT)

WING SPAN: 40 ft  
LENGTH: 26ft 11in  
SPEED: 78 mph



Navy pilots nicknamed these aircraft the "Yellow Peril" because of their color and the inexperienced pilots flying them

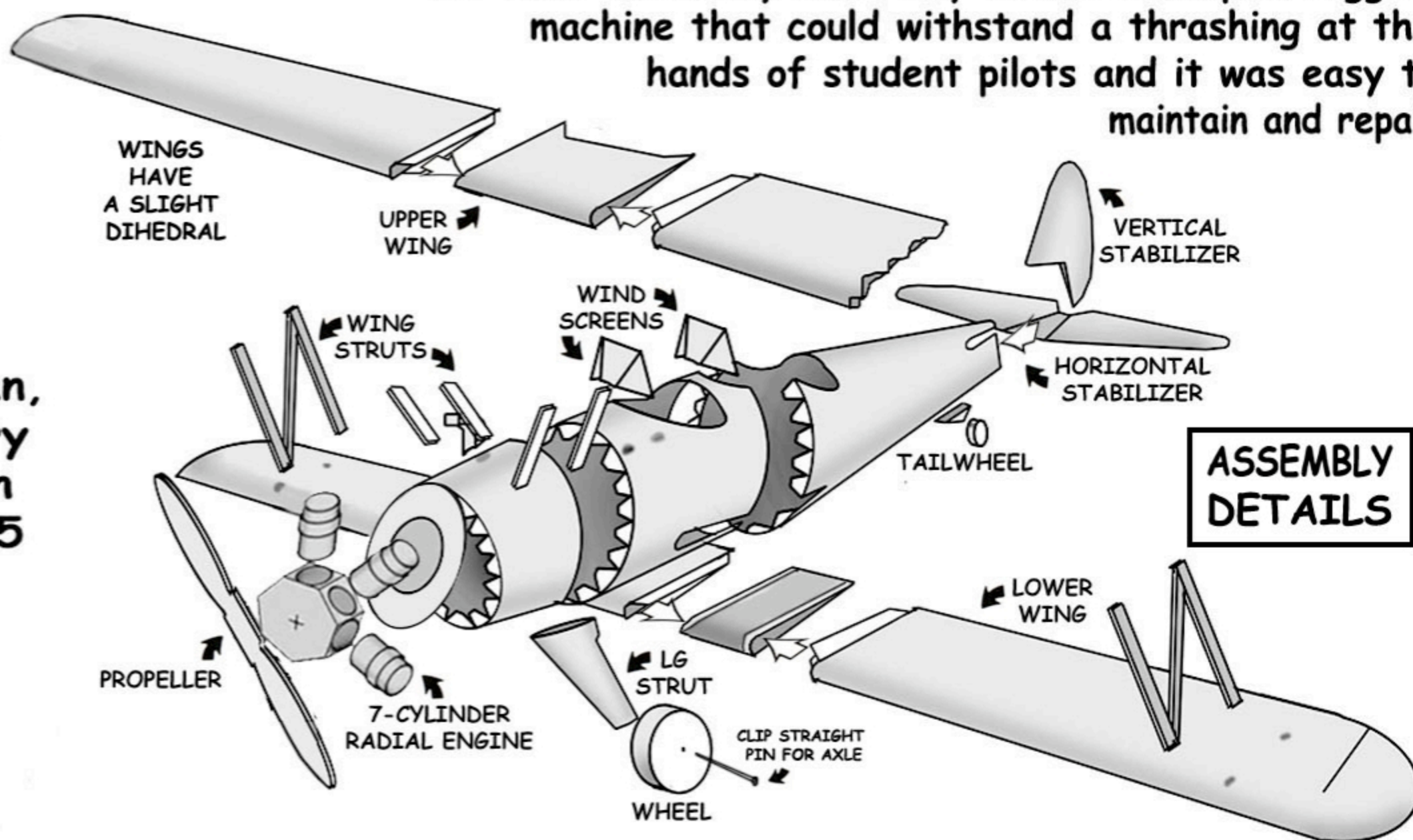


THANKS TO  
GLEN VOLYN  
FOR HIS HELP  
WITH THIS  
MODEL

### Specifications

Engine: One 220-hp Continental R-670-5 piston radial engine  
Wt: Empty 1,936 lbs.  
Max.T.O.wt:2,717lbs.  
Wing Span: 32ft.2in.  
Length: 24ft.3in.  
Height: 9ft.2in.  
Max Speed:124 mph  
Ceiling: 11,200 ft.  
Range: 505 miles  
Armament: None

The PT- 17 design was unique in that it met the specs for both the Army and Navy It was a simple, rugged machine that could withstand a thrashing at the hands of student pilots and it was easy to maintain and repair.



### THIS IS HOW GOVERNMENTS WORK..

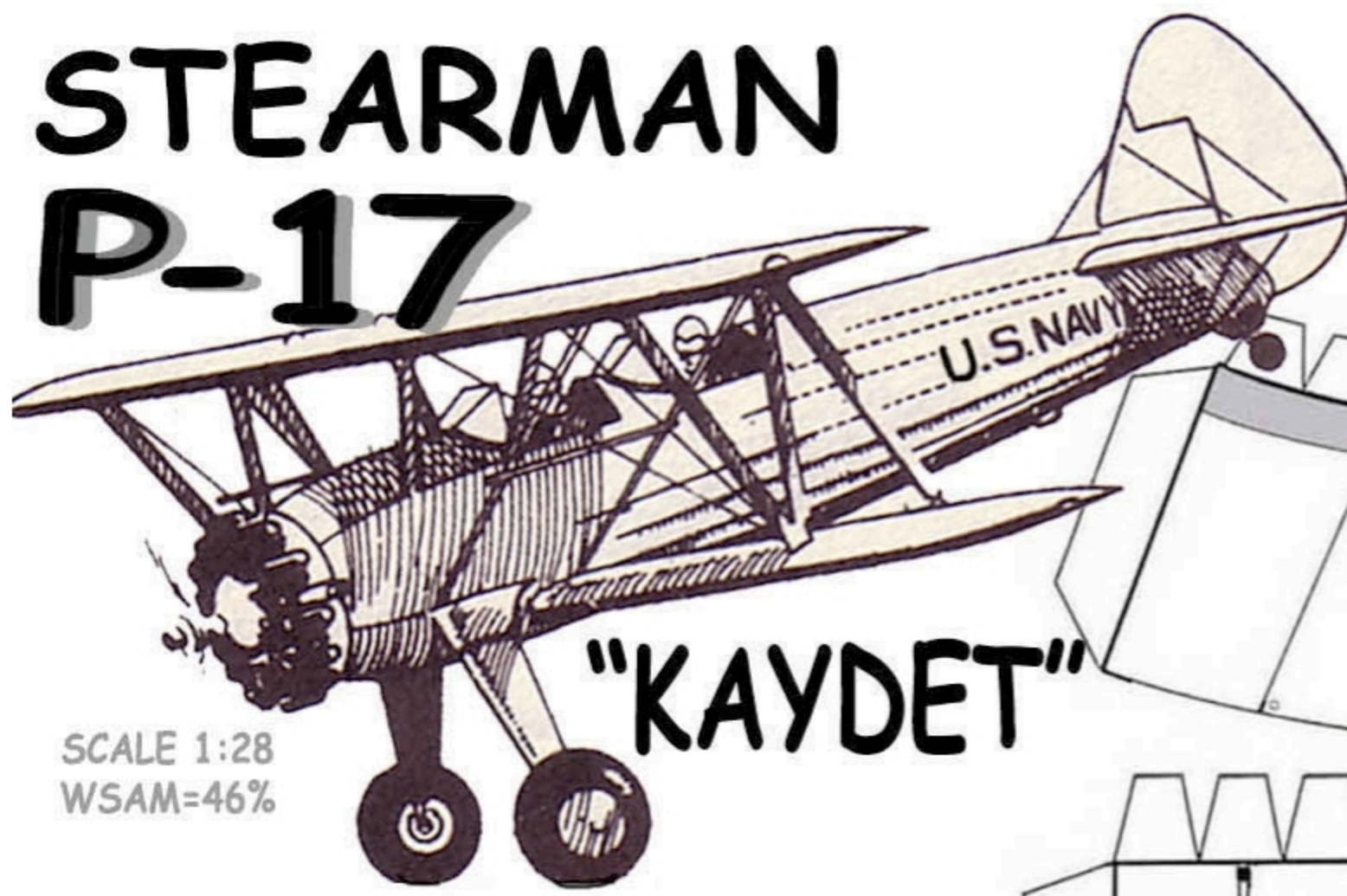
During the early part of the War in Europe, the U.S. participated in the Lend-Lease Program to avoid being seen as an aggressive power before we were officially involved. Part of this Program was the requirement that the U.S. military initially purchase the lend items with their funding and then loan them to the receiving government, rather than allowing the receiver to purchase directly from the manufacturer (direct arms dealing). This PT-27 was a result of this confusing system. There were 300 examples and they were all delivered to the Canadian Government. They were basically stock PT-17's with a canopy installed, and other minor items that comprised a winterization kit; as they were not identical to the PT-17 they were given the PT-27 designation. Since the airplanes were owned on paper by the U.S.Army., they still had to have a USAAC designation however. Oh the games they play...



STEARMAN PT-27



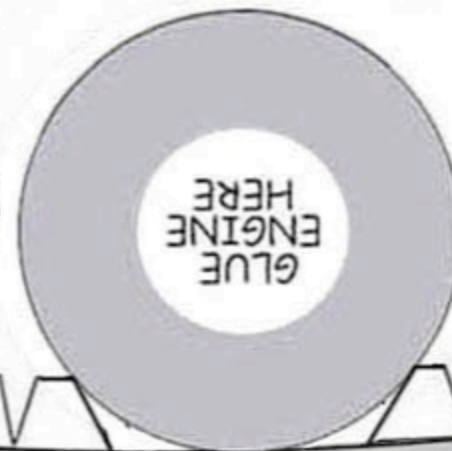
# STEARMAN P-17



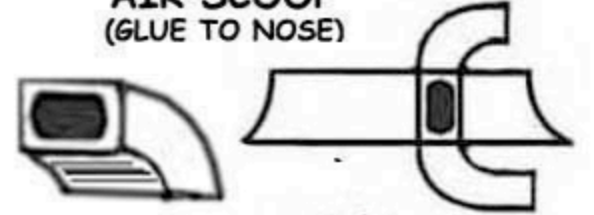
SCALE 1:28  
WSAM=46%

## "KAYDET"

WWII  
TRAINER



AIR SCOOP  
(GLUE TO NOSE)

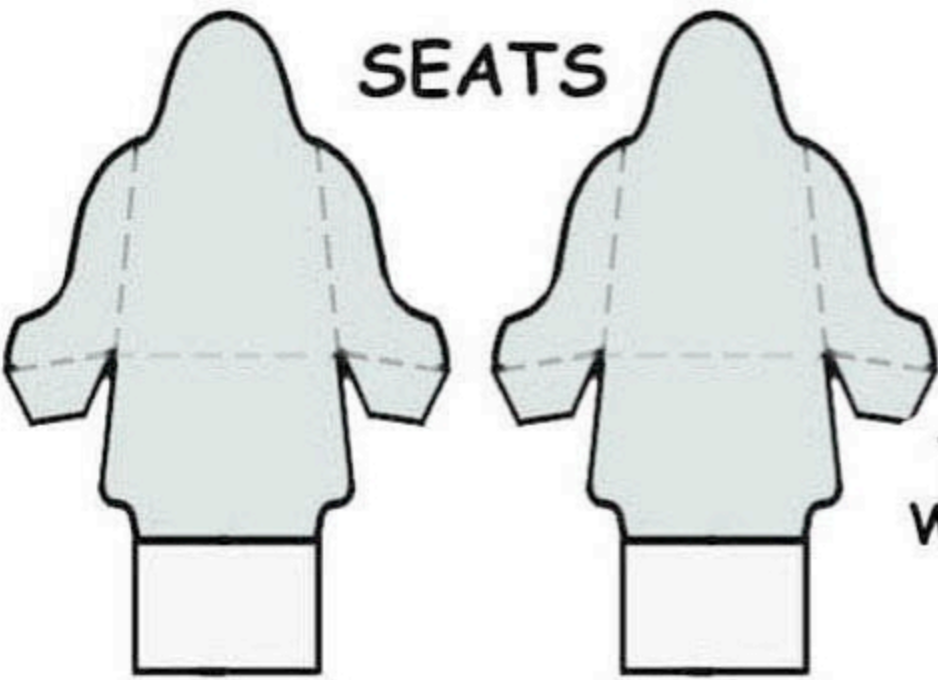
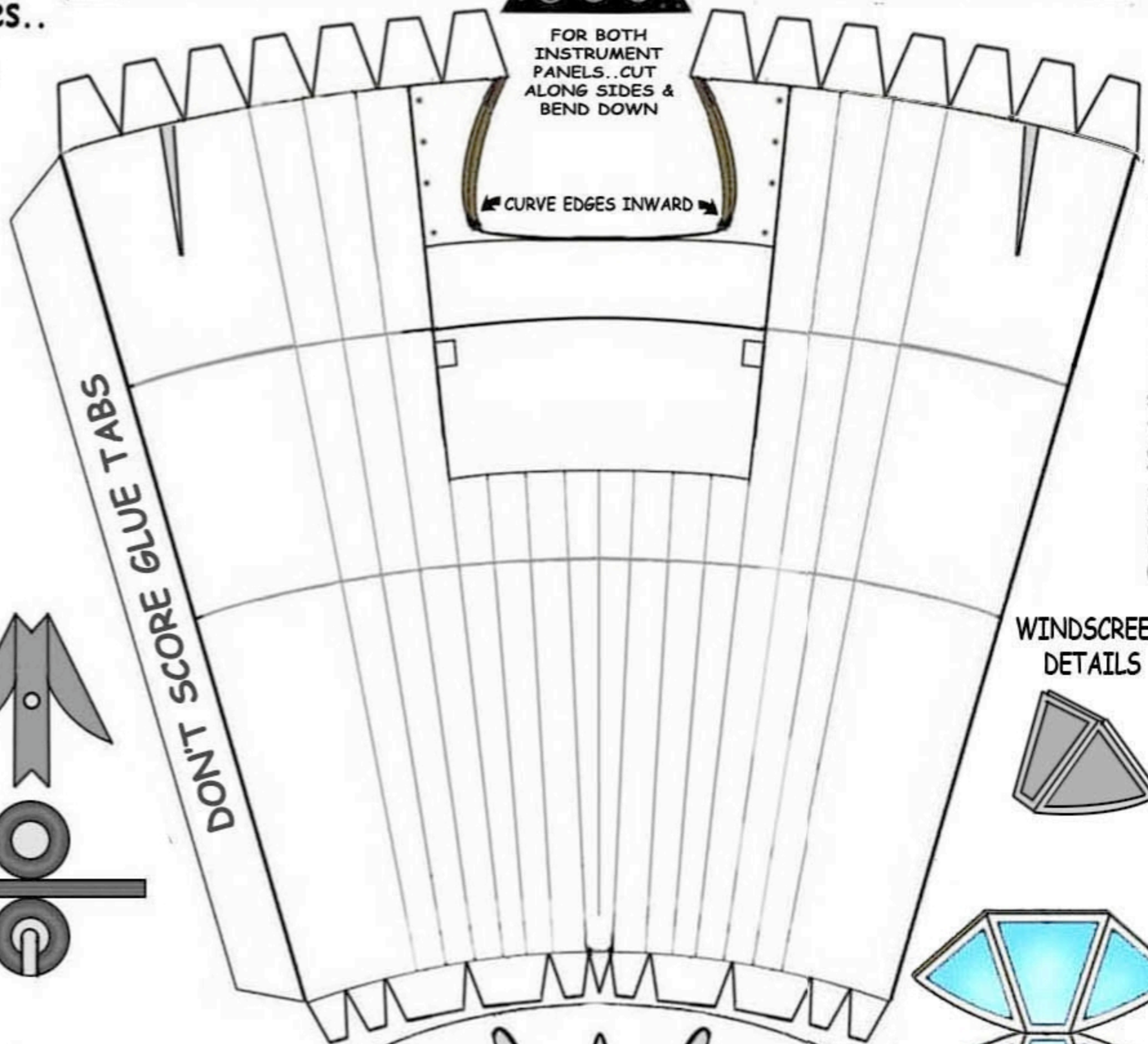
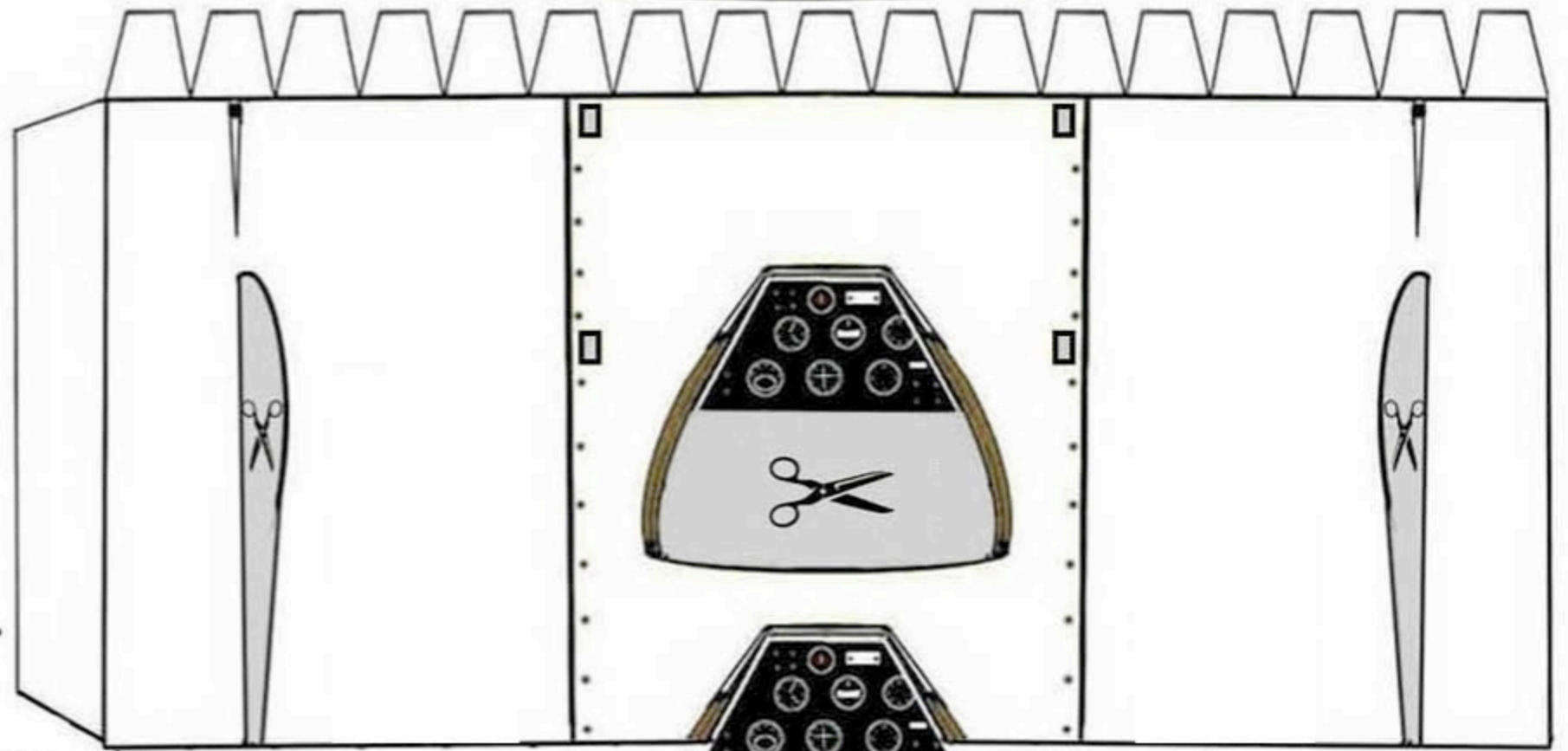
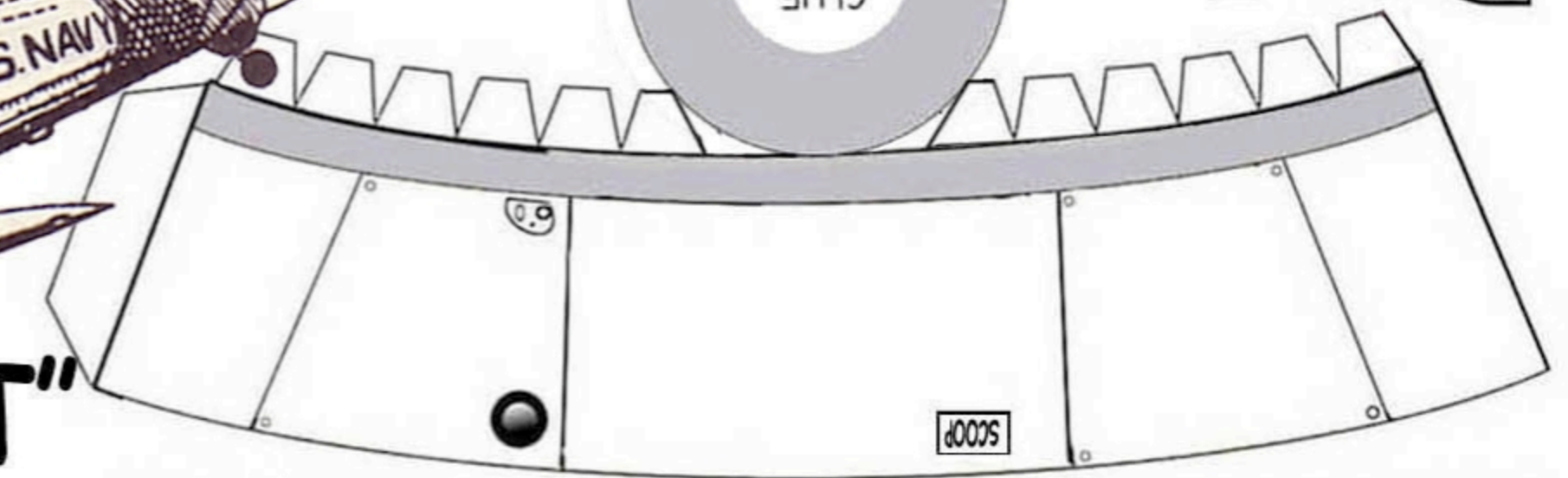


The Stearman Kaydet was the standard US Army basic trainer of World War II, fulfilling a vital training role. The P-17 series of biplanes earned a reputation for ruggedness and dependability.

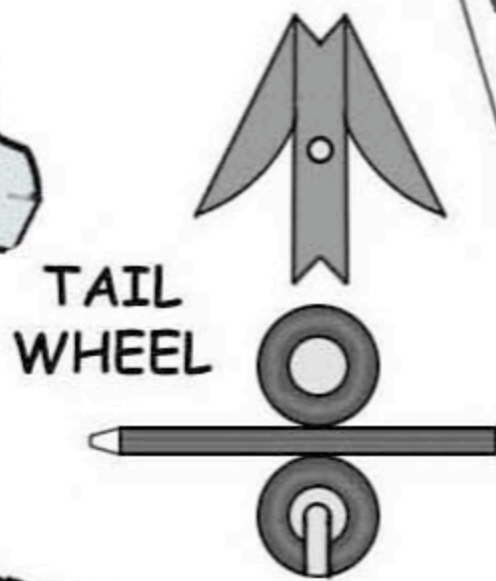
After the war, many Stearmans passed into private hands, and was largely spared by post-war salvagers. Some were used as agricultural crop dusters, glider tugs, and aerobatic airplanes..

In Hollywood, Stearmans became "stars" and were featured in many classic adventure motion pictures.

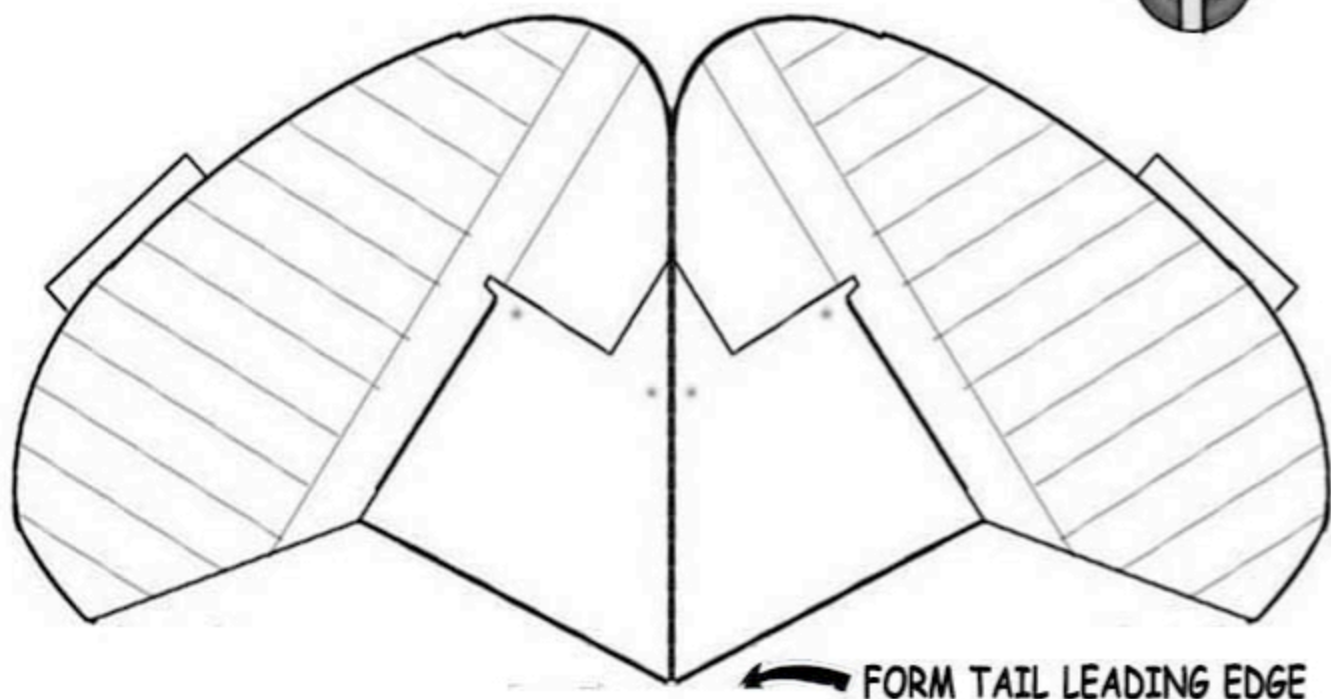
Today, the Stearman is a highly sought after vintage aircraft, much prized for its superb handling and open cockpit biplane configuration.



SEATS

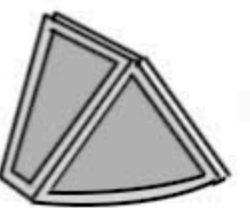


TAIL  
WHEEL

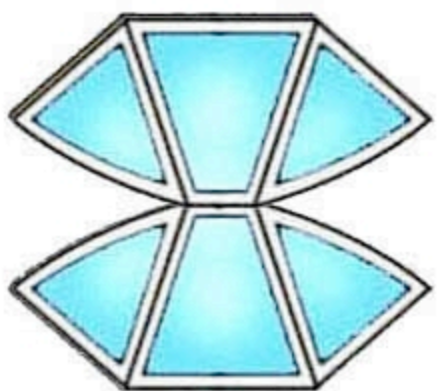


FORM TAIL LEADING EDGE

WINDSCREEN  
DETAILS



WINDSCREENS

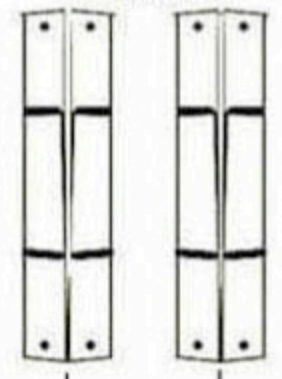




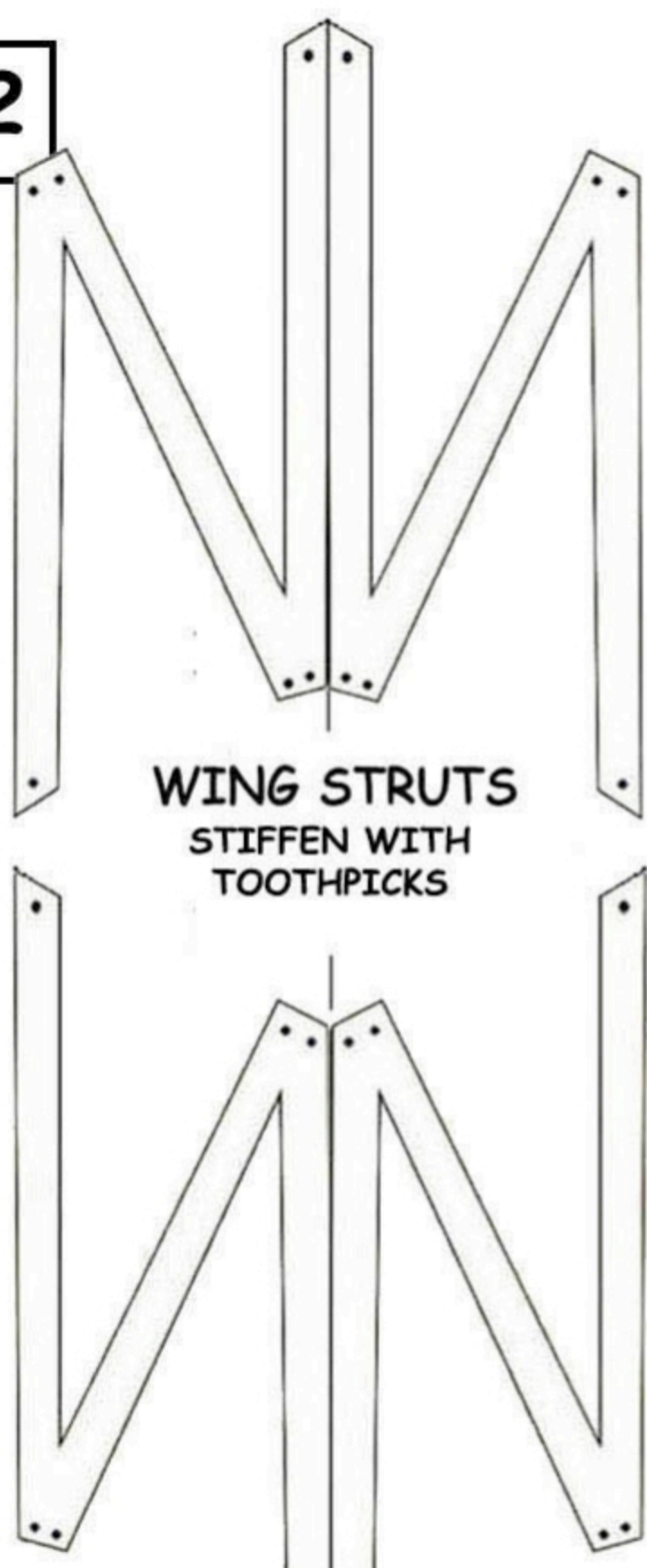
# SHEET-2



WING TO FUSELAGE STRUTS

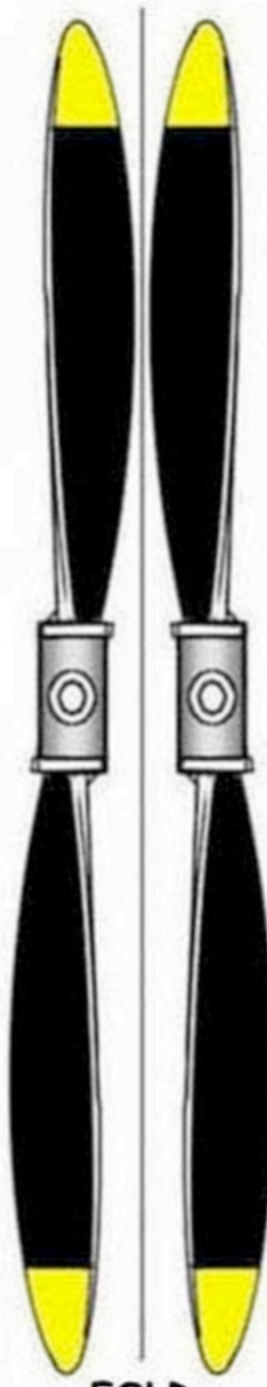


FOLD & GLUE

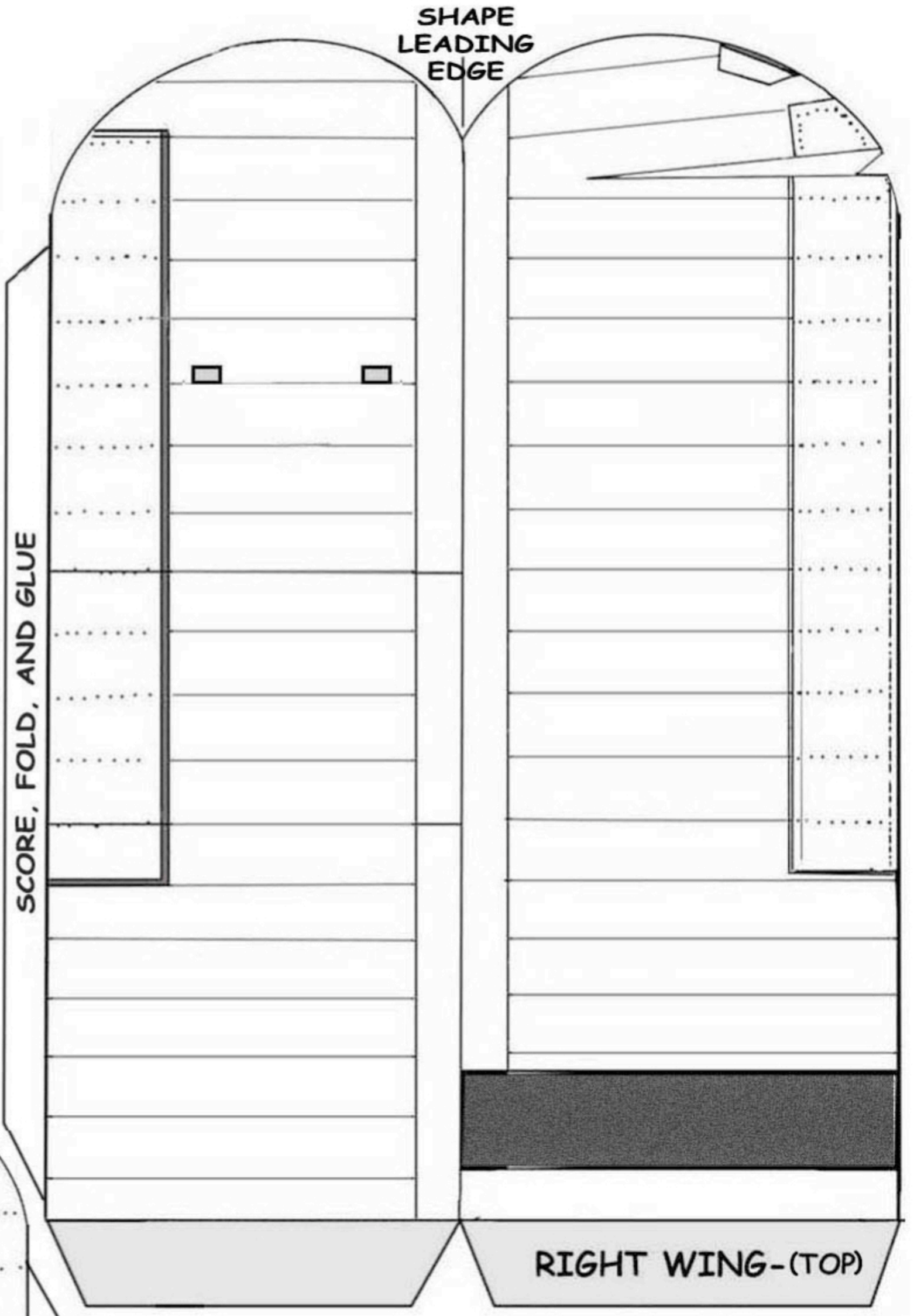


WING STRUTS  
STIFFEN WITH TOOTHPICKS

PROP



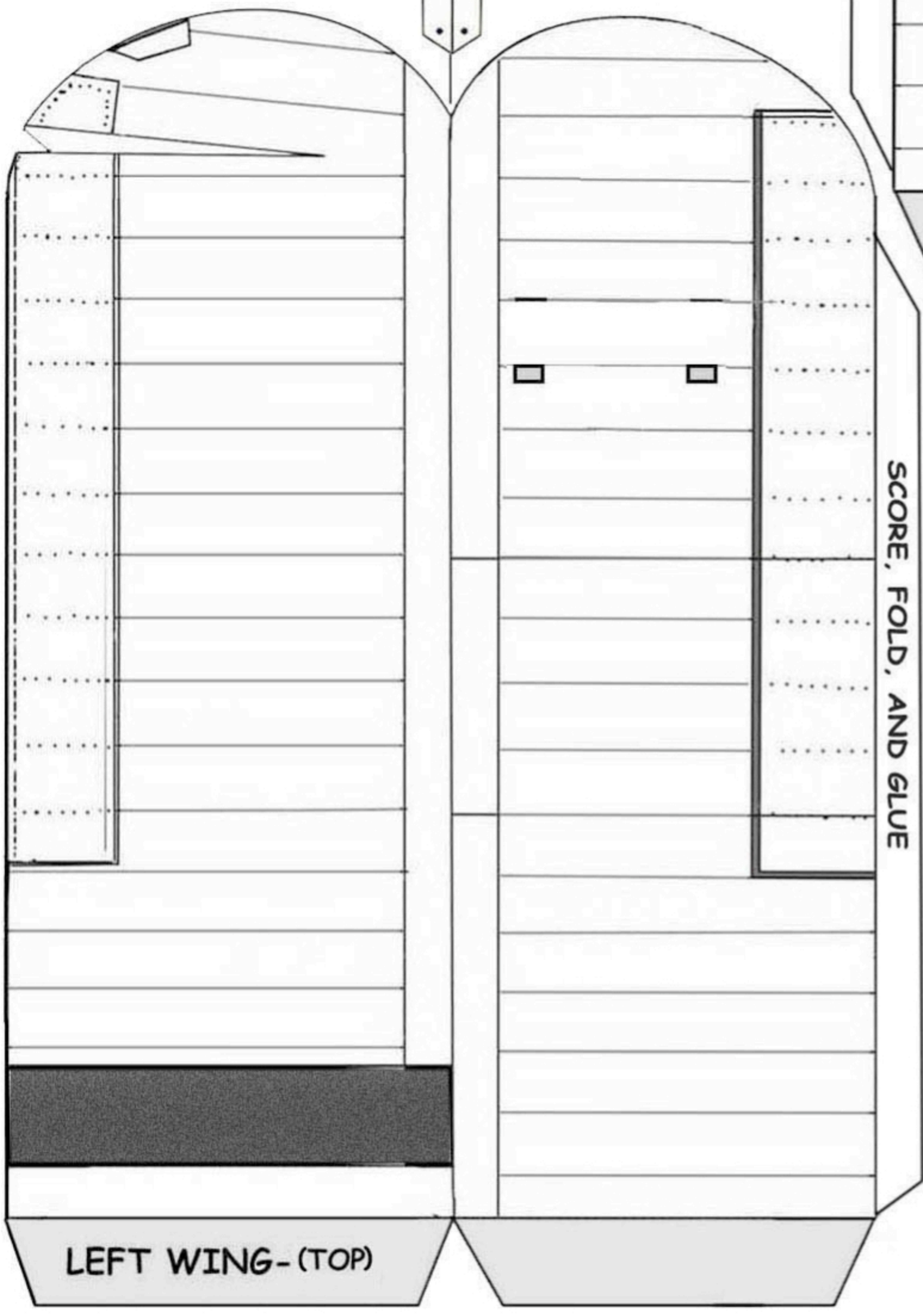
FOLD & GLUE



SHAPE LEADING EDGE

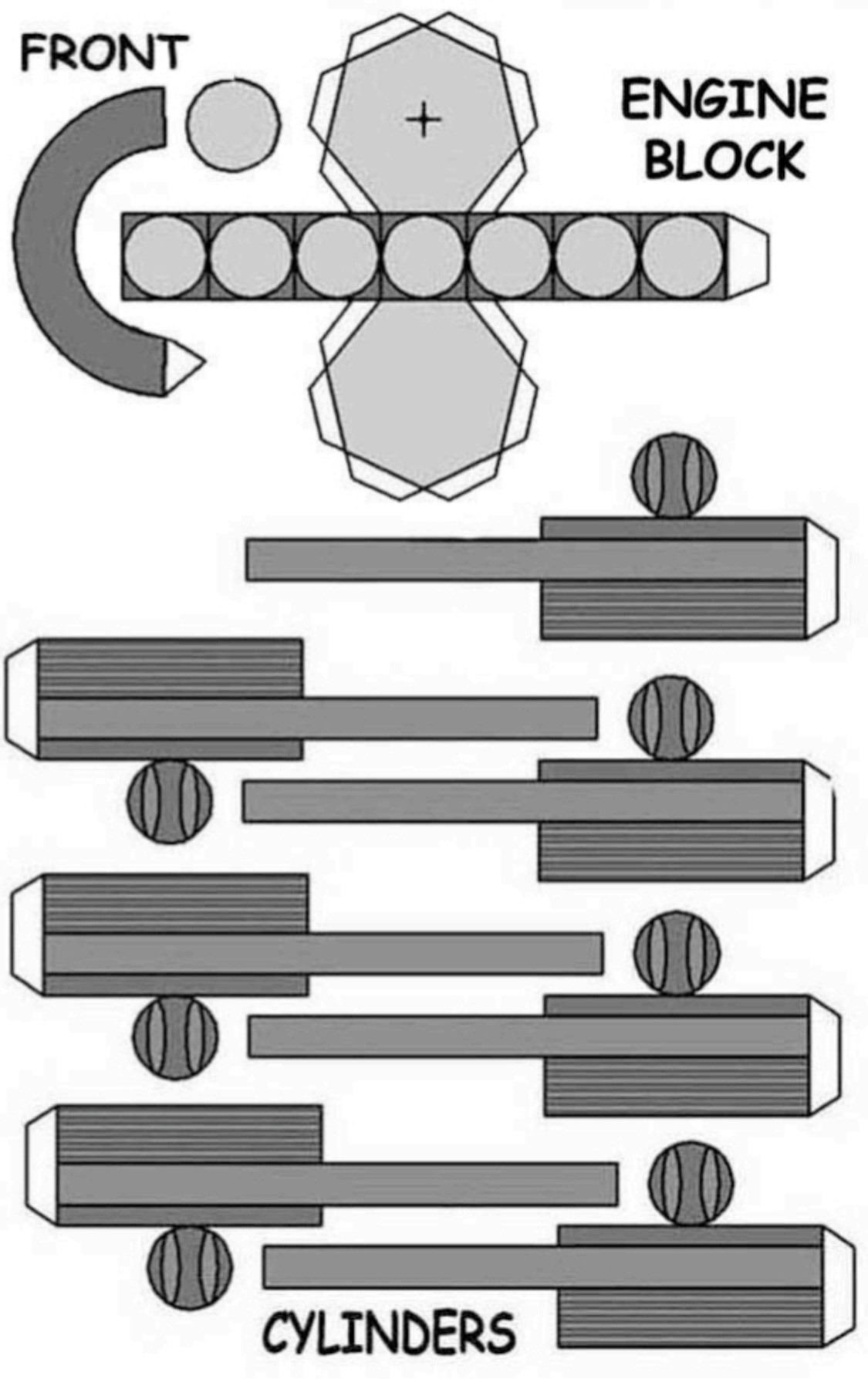
SCORE, FOLD, AND GLUE

RIGHT WING-(TOP)



SCORE, FOLD, AND GLUE

LEFT WING-(TOP)



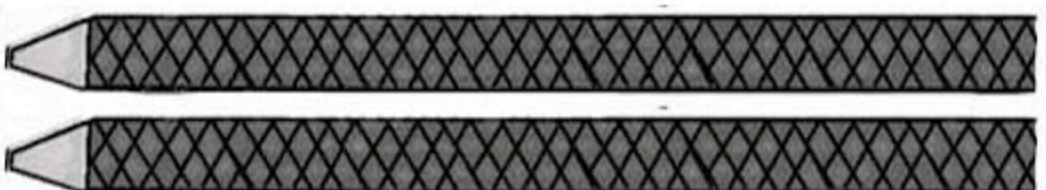
FRONT

ENGINE BLOCK

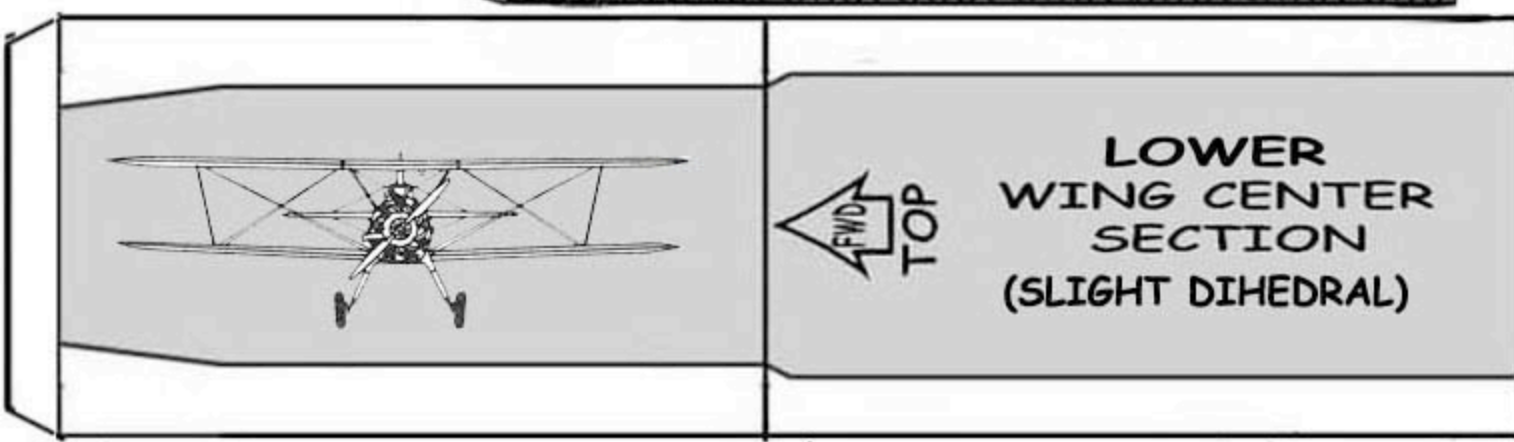
CYLINDERS



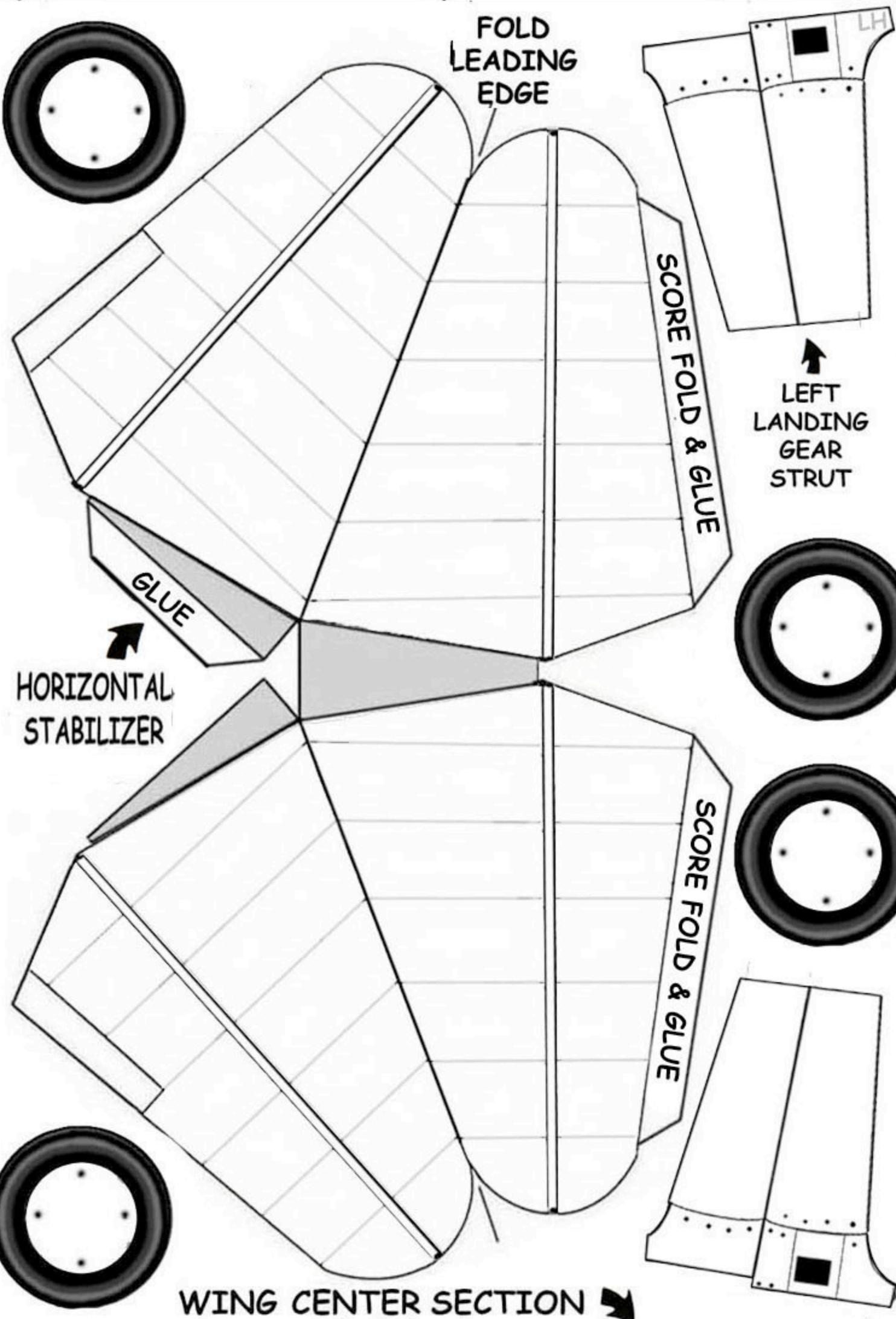
SHEET 3



TREADS



LOWER WING CENTER SECTION (SLIGHT DIHEDRAL)



FOLD LEADING EDGE

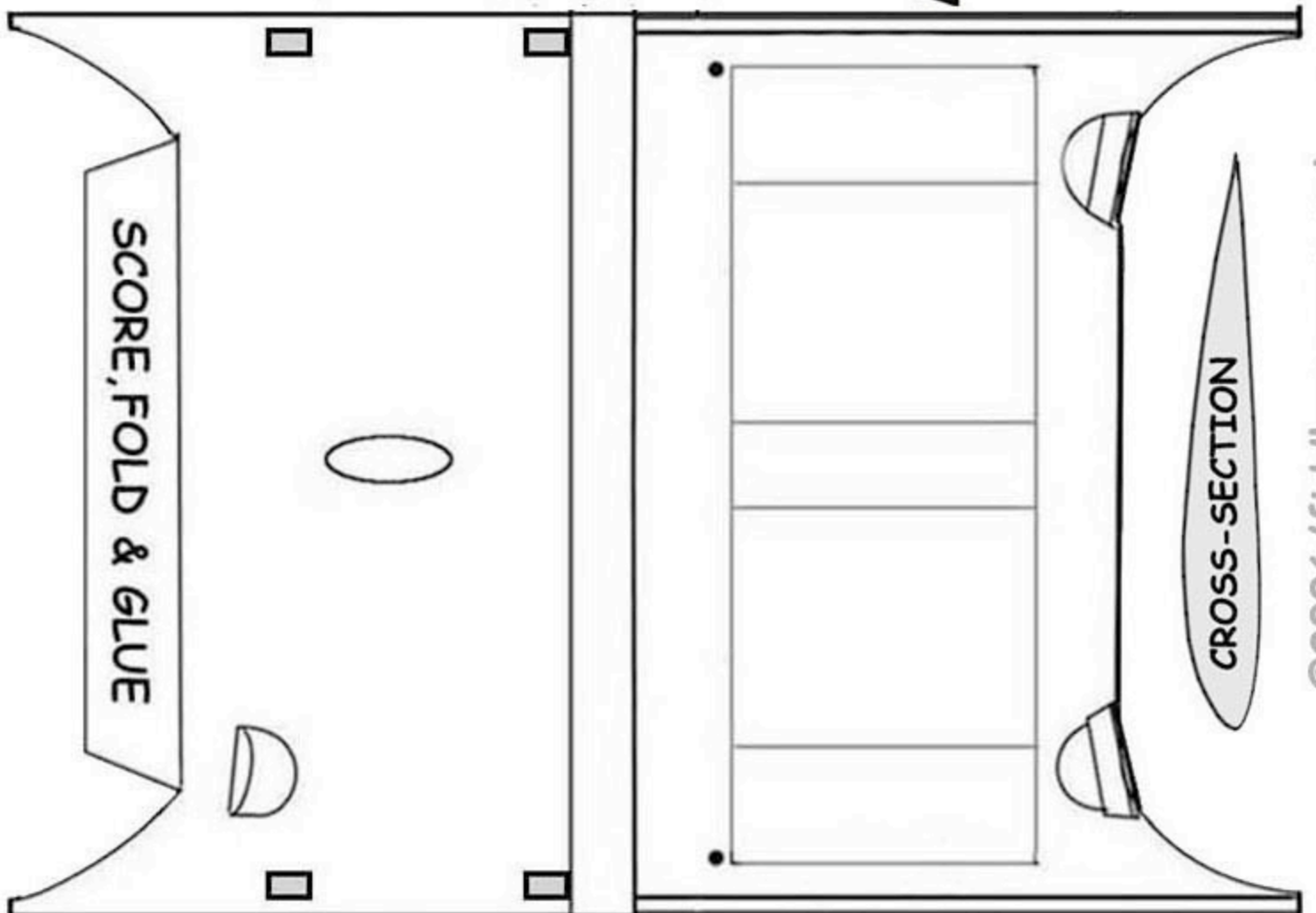
SCORE FOLD & GLUE

LEFT LANDING GEAR STRUT

HORIZONTAL STABILIZER

SCORE FOLD & GLUE

WING CENTER SECTION



CROSS-SECTION

(NO DIHEDRAL)

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FOLD LEADING EDGE

TOP WINGS

SCORE FOLD AND GLUE

GLUE INTO

CENTER SECT.

SCORE FOLD AND GLUE

