

WILHELMSHAVENER MODELLBAUBOGEN

SPITZENKLASSE IM KARTONMODELLBAU

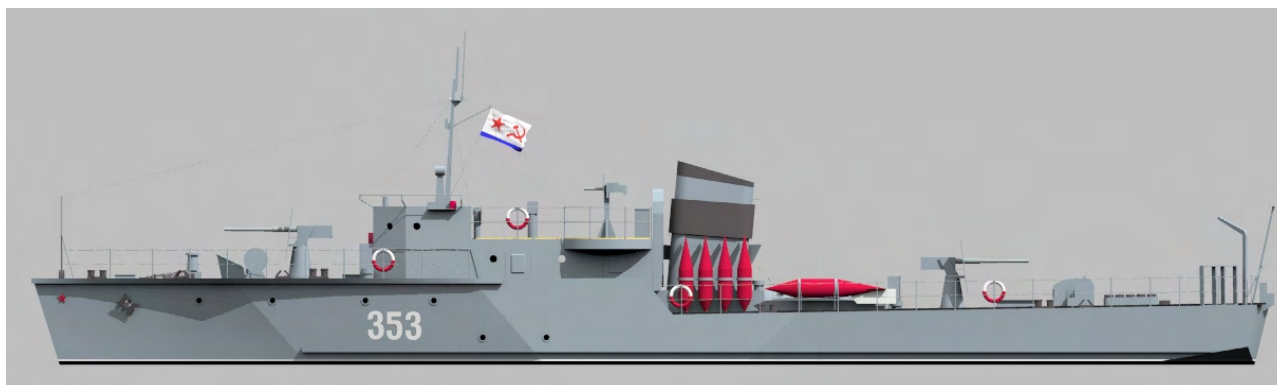
Russischer Minensucher

T-371

2. Weltkrieg

Maßstab des Modells: 1:250

Bestell-Nr.: 1273



Technische Beschreibung und allgemeine Hinweise

Die T-371 Klasse ist eigentlich eine NATO-Bezeichnung. In der russischen Terminologie hatte dieser Typ zunächst die Bezeichnung 253 und später 253L. Die dringende Notwendigkeit nach Minensuchbooten für die rote Marine entstand nach der deutschen Invasion 1941. In der Ostsee spielte der Minenkrieg bereits seit Beginn der Kriegshandlungen eine besondere Rolle.

Die 253er Klasse war ein kleines und einfaches Boot konstruiert für eine Massenproduktion auf kleinen Werften. Im November 1942 war das erste Boot fertiggestellt und begann seine Erprobungsfahrt. Bereits beim ersten Auslaufen geriet der Minensucher unter deutsches Artilleriefeuer. Das Boot konnte nur durch schnelles Manövrieren in den Hafen zurückkehren bevor, es ganz außer Gefecht gesetzt wurde. 1944 wurde die modifizierte Version mit dem Namen 253L-P eingeführt (T-371). Davon wurden bis 1945 je 145 Schiffseinheiten und danach bis 1955 noch einmal 250 Einheiten gebaut. Viele dieser Boote wurden in den 50 Jahren an befreundete Marinen im sowjetischen Einflußbereich verliehen oder verkauft.

Das Modell wurde nach den Plänen der Klasse 253L-P entwickelt. Bei einigen Teilen wurden die Markierungslinien an den Außenrand der Teile verlegt. In der grafischen Bauanleitung werden die Zeichnungen durch Textergänzungen vervollständigt.

Da es sich um eine Lizenzproduktion der PAPERLAB handelt entsprechen die Linien nicht in allen Bereichen dem Wilhelmshavener Liniencode.

Technische Daten

Verdrängung: 147,8 tons

Länge: 38 m

Breite 5,72 m

Tiefe: 1,52 m

Antrieb: Dieselmotor mit 480 PS

Reichweite: 2,400 Seemeilen bei 8 Knoten Marschfahrt

Bewaffnung: (1945)

2 x 45 mm, 4 x 12,7 mm MG

Russian Minesweeper

T-371 class

Technical data

Displacement - 147.8t standard, 180t deep load

Dimensions - 38.00 x 5.72 x 1.52 m

Machinery - 2 shafts 3 Diesels by Superior 480bhp

Speed - max. 11.7 normal 9 knots

Range - 2400nm/8kts

Complement - 25, later 32/37

Armament - 2-45mm/46 (2x1), 4-12.7mm MG (2x2),

12 mines, 10/12 small depth charges, minesweeping outfit

In other publications you might encounter slightly different specifications. I've chosen these based upon available to me data, but I am the first to acknowledge more research should be done. So if you are able to provide any additional information on this particular type of ships I would be very happy to hear from you.

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The urgent need for the mine sweeping vessels became apparent in the Red Navy after Germany invasion of the Soviet Union in June 1941. In the Baltic Sea mine warfare was massively used right from the very beginning of hostilities. Especially by the Kriegsmarine which was trying to prevent Red Navy from attacking her shipping routes to Scandinavia. In an attempt to immobilize and eventually destroy all the remaining ships of the Soviet Baltic Fleet in her main base of Leningrad, Gulf of Finland was mined on a massive scale. Suffice to say that only in the eastern part of the gulf Germans laid down over 41 000 mines. In such a circumstances leaders in Moscow ordered a new minesweeper project to be developed. Named 253 it was a small and simple design for mass production in the small yards. Straight lines in most of the hull design were adopted. Leningrad yards were to build them but the problem was that by this time Leningrad was the city under siege. There was enough sheet metal for many 253 class minesweepers, what was lacking though is capability of forming it into a correct shape. Especially bow and stern sections proved too complicated to be manufactured in the city where everything was in a short supply and under constant bombardment.

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The Model

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----- Fold down

----- Fold up

✂️▶ Cut along this line

✂️|▶ Cut along this line all the way up to the first crossing line

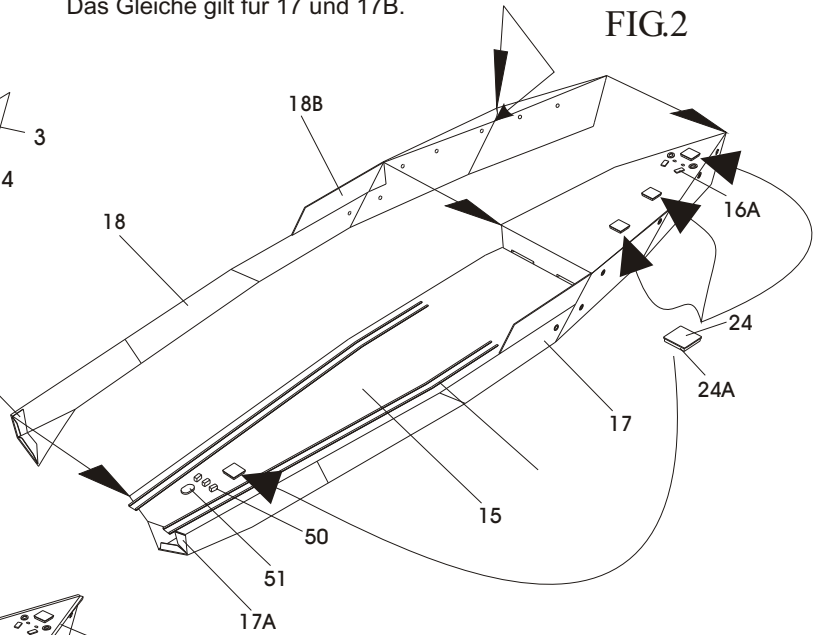
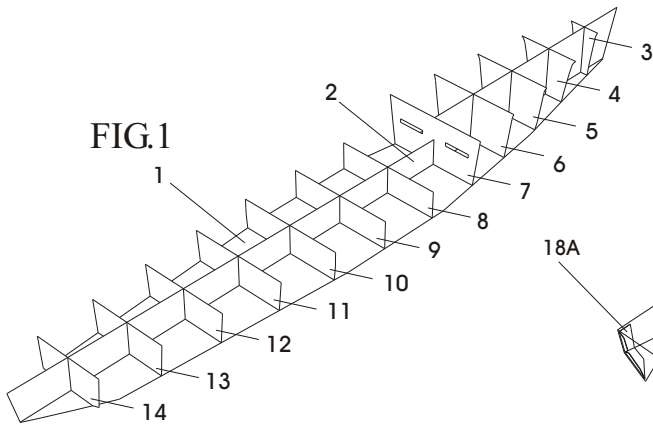
25A* This part is optional

25// This part have to be laminated onto the same type of cardstock

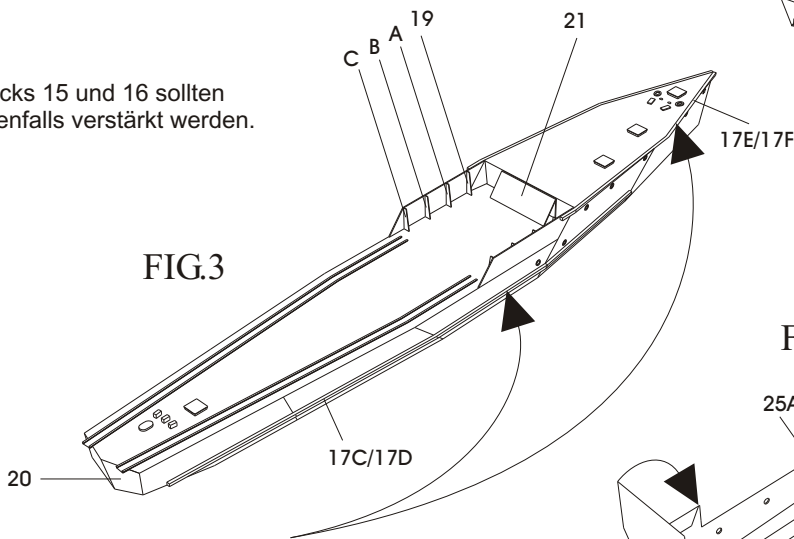
Teile 3-14 vor dem Ausschneiden verdoppeln.
 Alle Spanten zeigen mit der bedruckten Seite nach hinten. Laschen von Teil 1 werden in der Grafik nicht gezeigt. Dennoch sind alle zu rillen und hochzuklappen.

Teil 18B an der Bordwand erst anbringen, nachdem Teil 18 befestigt ist.
 Das Gleiche gilt für 17 und 17B.

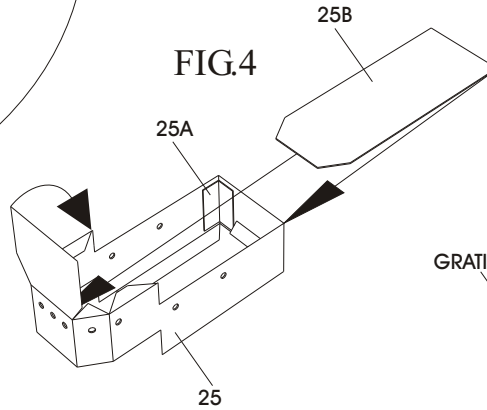
Entlang dieser Linie schneiden



Decks 15 und 16 sollten ebenfalls verstärkt werden.



17C/17D und 17E/17F können durch grüne Plastikstreifen ersetzt werden. Das Gleiche gilt auch für die andere Seite.



Spant 25B geht in den Aufbau 25 wie Fig. 4 und 5 zeigen.

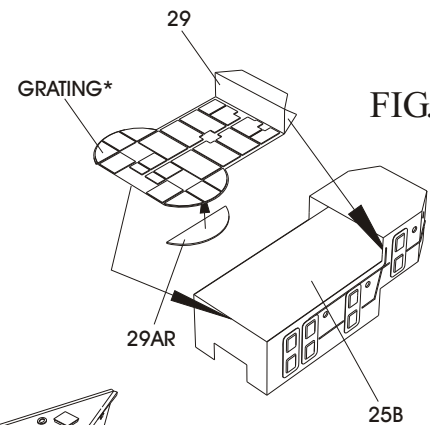
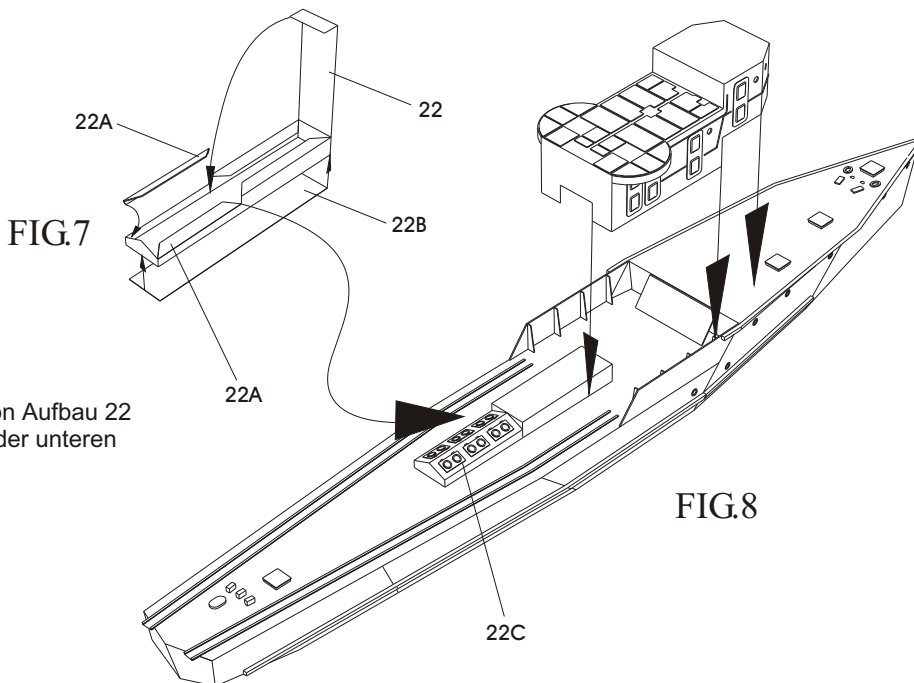


FIG.5



Spant 22B ist innen von Aufbau 22 und schließt flach mit der unteren Kante ab.

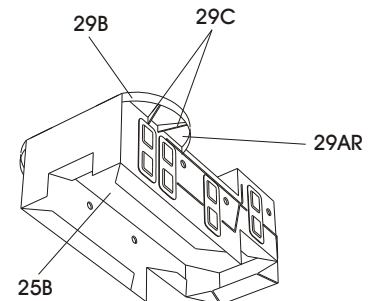
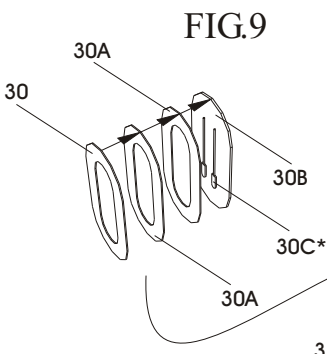


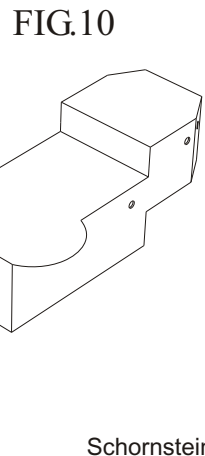
FIG.6

FIG.8

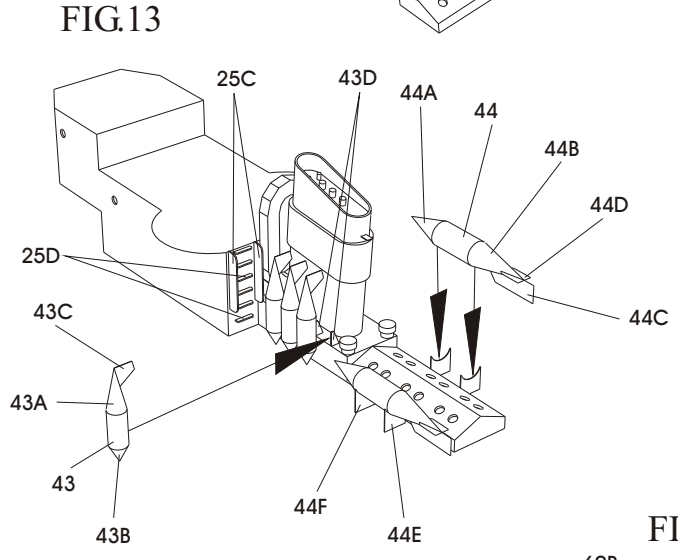
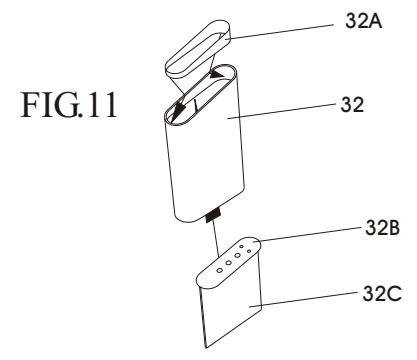
FIG.7



Spant 31B ist innen unten im Schornstein 31 Teil 31 zeigt eine Pfeildrehung, mit der die Rundung nach vorne weist.



Teil 32A in den Schornstein 32 kleben, bedruckte Seite nach innen. Teil 32B wird von unten in den Schornstein geschoben bis es die untere Kante von 32A berührt. Auspuffrohren können durch Draht dargestellt werden. Knickkanten bitte schwärzen.



Schornsteinsockel 31 ganz in den Schornstein einführen.

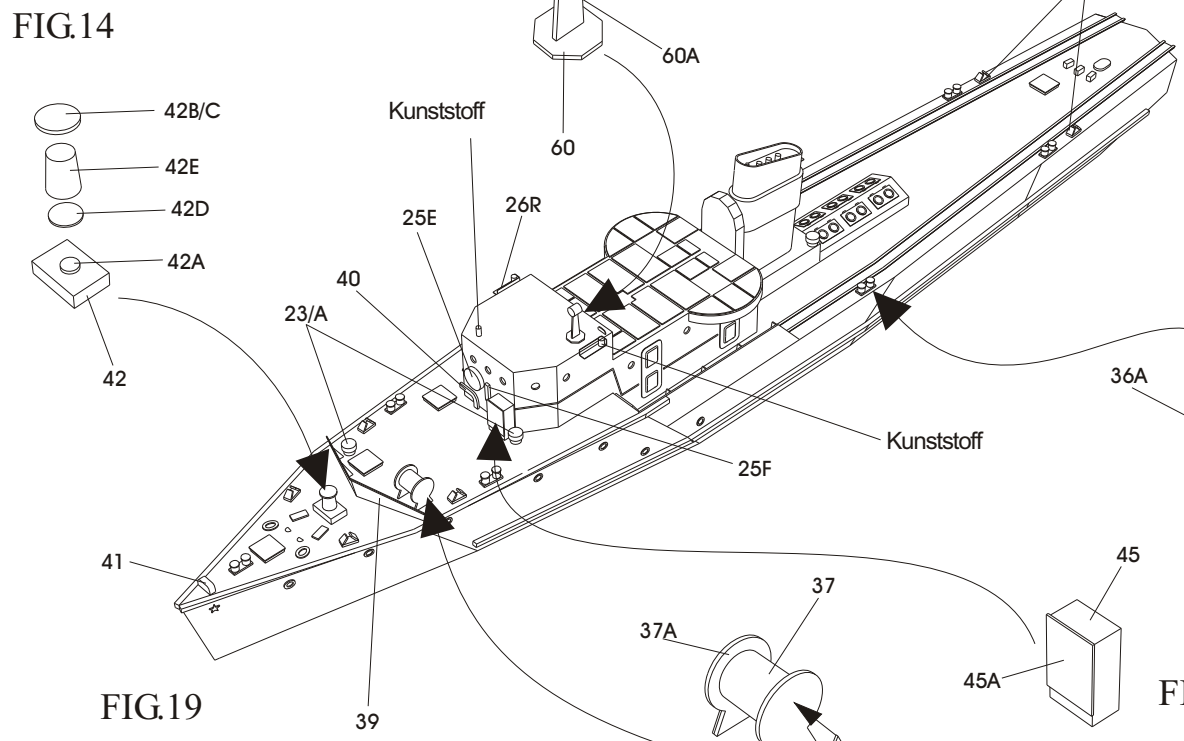
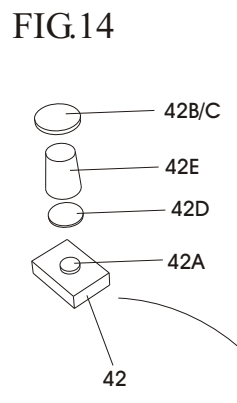
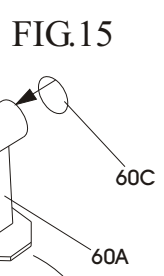
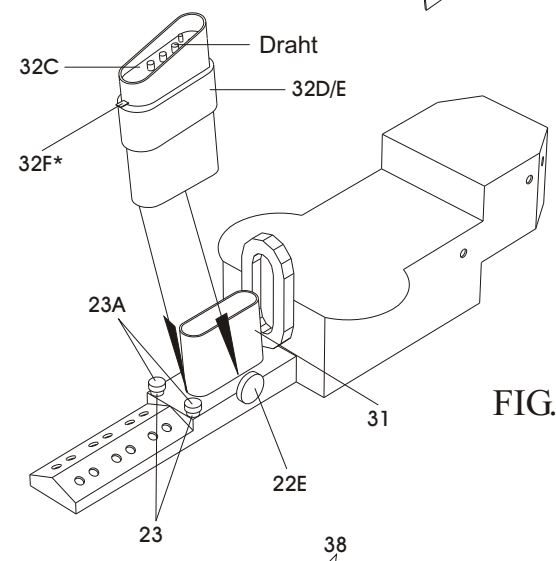


FIG. 12

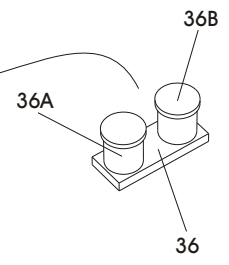


FIG. 16

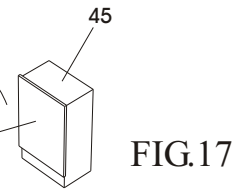


FIG. 17

FIG. 19

FIG. 18

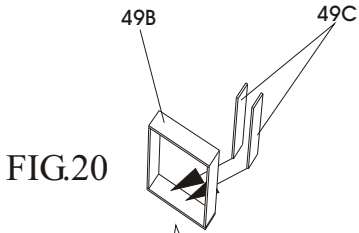


FIG.20

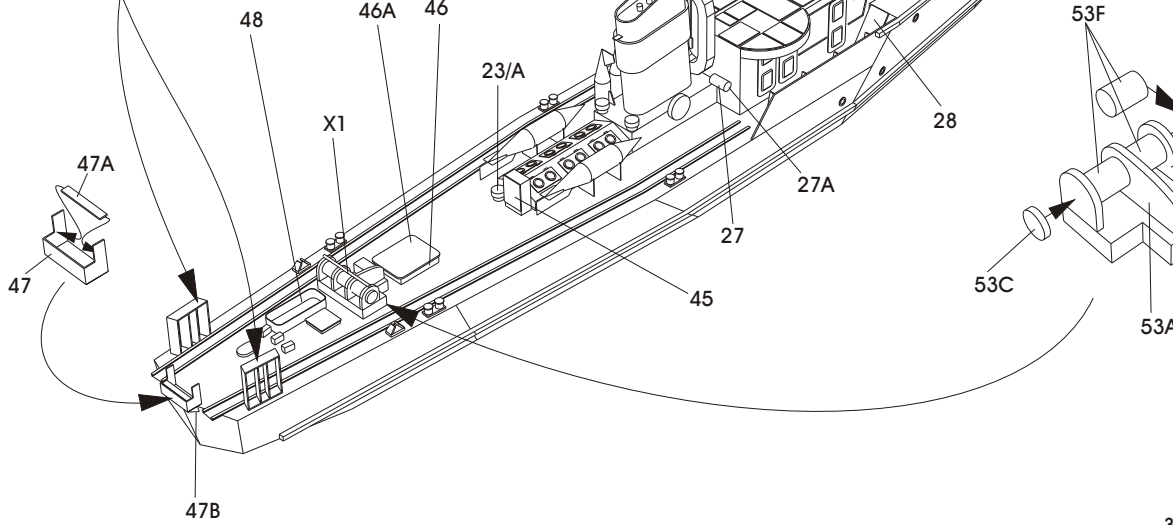


FIG.22

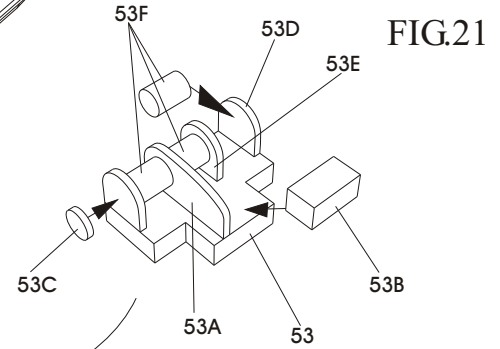


FIG.21

FIG.25

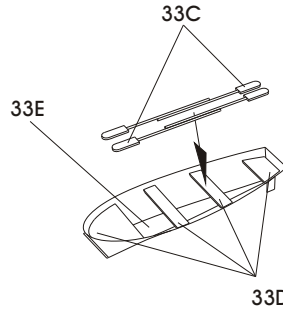
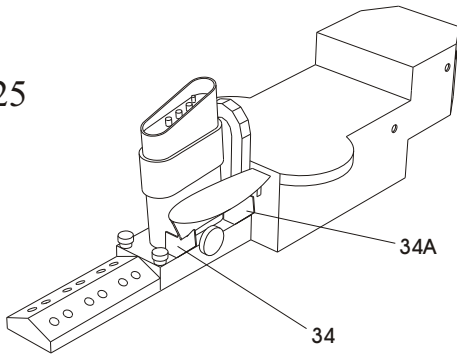


FIG.24

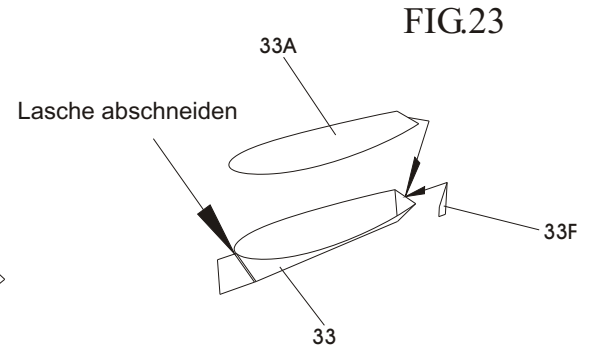
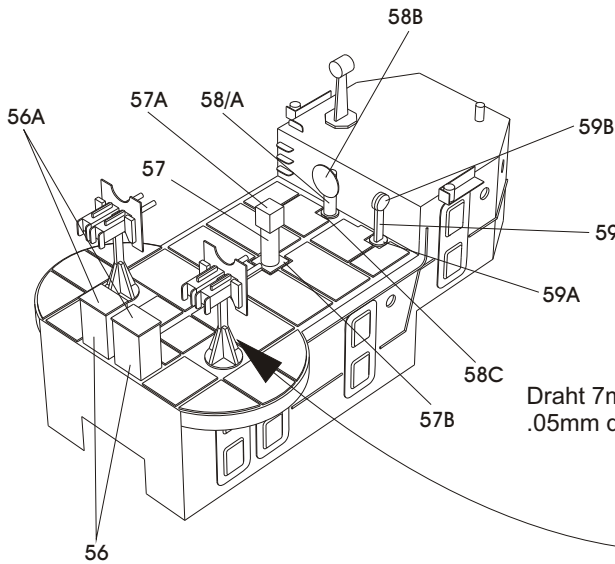


FIG.23

Es gibt 3 Schwierigkeitsgrade für den Bootsbau: einfach wie in Fig. 23, mittel wobei 33A durch 33B ersetzt und 33E hinzugefügt wird, schwierig: für 33B werden 4 Teile 33D benutzt. 33C gilt für alle Schwierigkeitsgrade

FIG.27



Draht 7mm lang, .05mm dia.

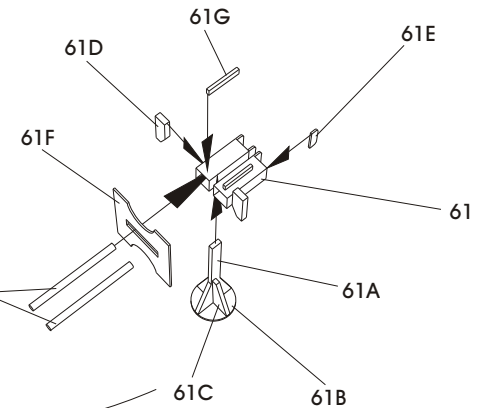


FIG.26

FIG.28

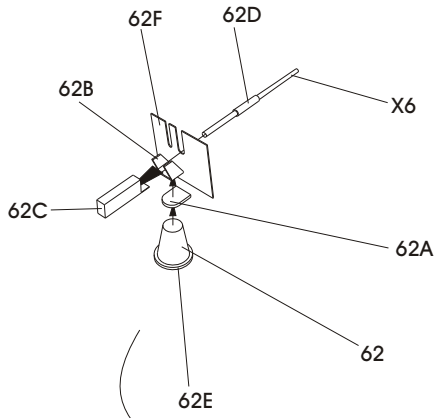


FIG.29

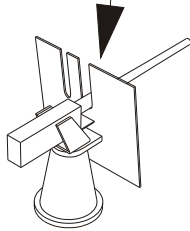
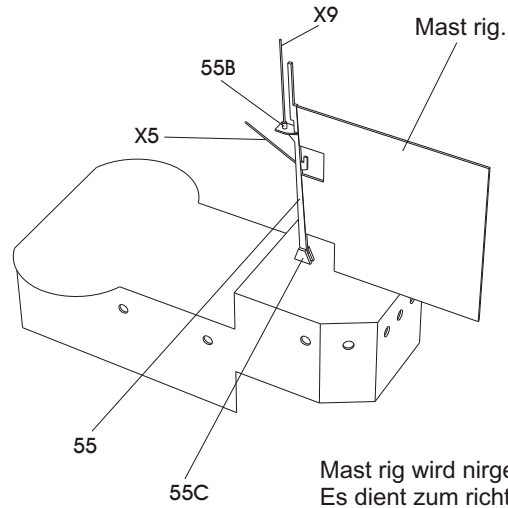


FIG.30



Mast rig wird nirgendwo angeklebt.
Es dient zum richtigen Positionieren
der einzelnen Mastteile.

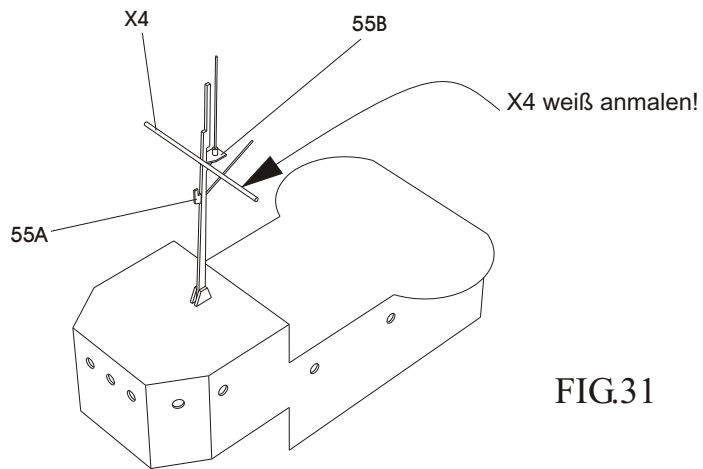


FIG.31

FIG.32

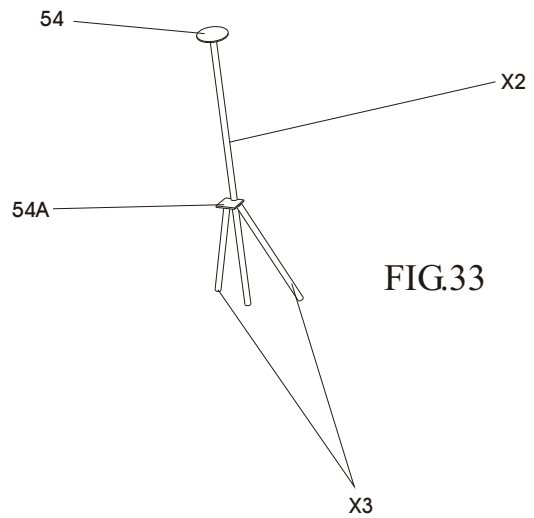
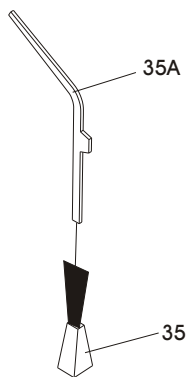


FIG.33

Alle Flaggstöckteile entsprechend der Farbe
der Aufbauten einfärben.

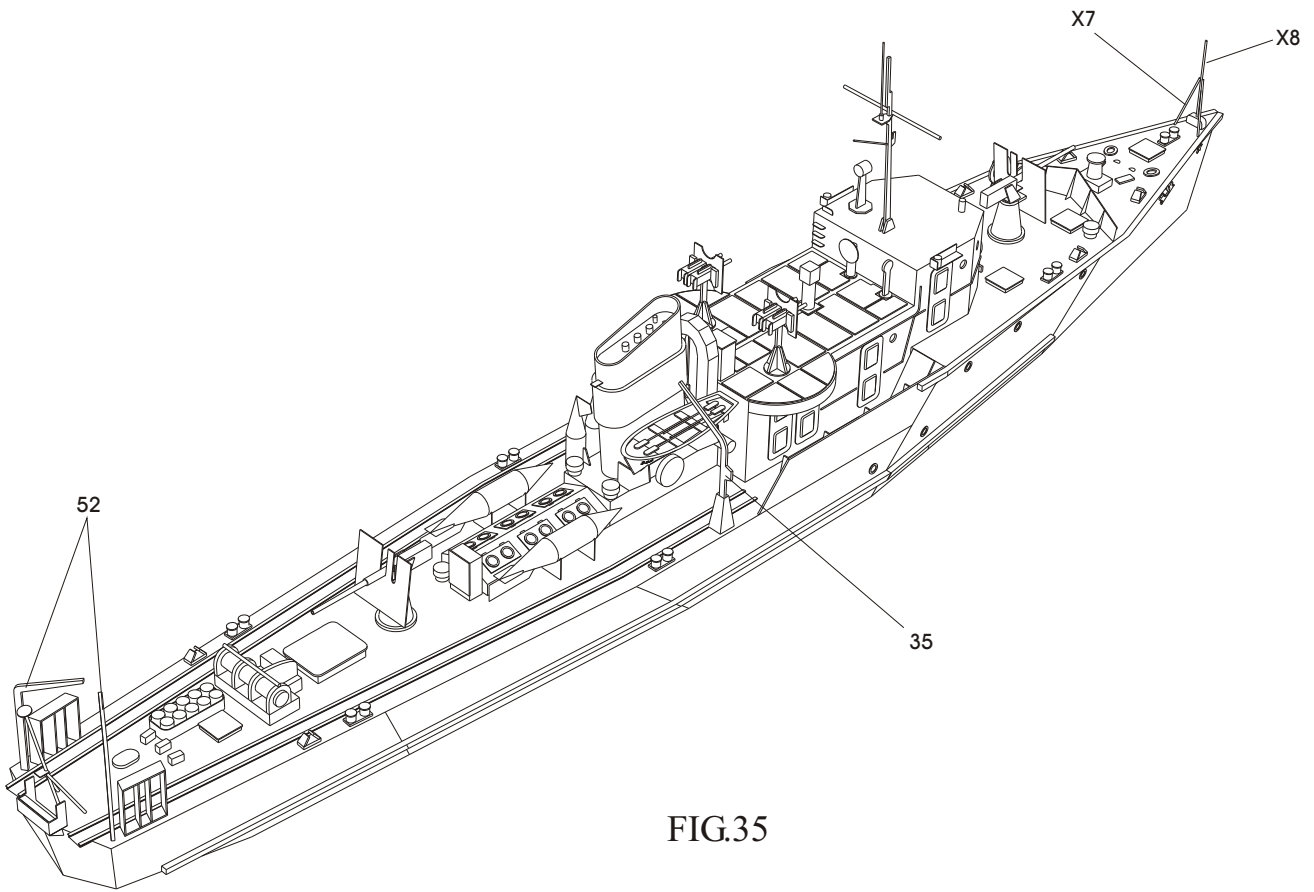
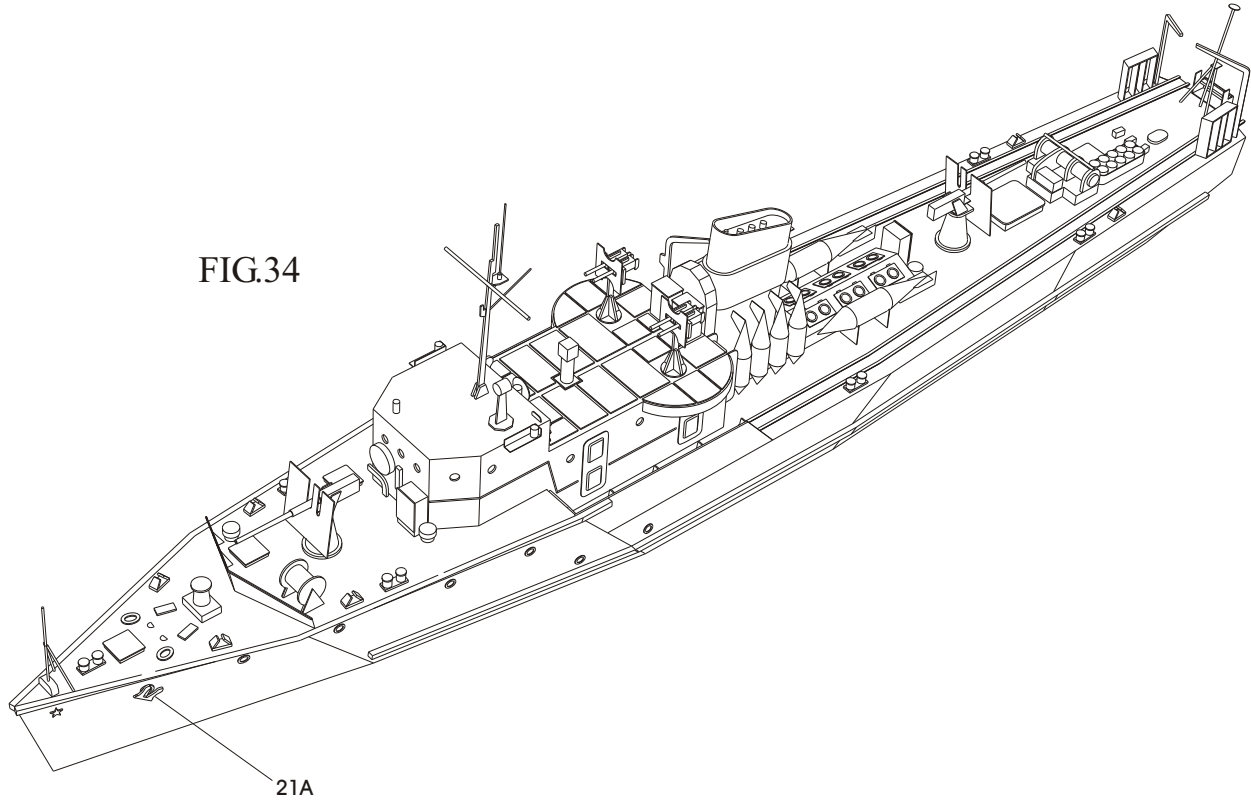


FIG.34

FIG.35

Russian Minesweeper

T-371 class

Technical data

Displacement - 147.8t standard, 180t deep load

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Machinery - 2 shafts 3 Diesels by Superior 480bhp

Speed - max. 11.7 normal 9 knots

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----- Fold down

----- Fold up

✂️▶ Cut along this line

✂️|▶ Cut along this line all the way up to the first crossing line

25A* This part is optional

25// This part have to be laminated onto the same type of cardstock

Parts 3-14 should be laminated before cutting out. When Attaching it is a good idea to keep them all facing rear with their printed side. This is a must for part 7. Tabs on part 1 are not shown here. All of them should be scored and fold up.

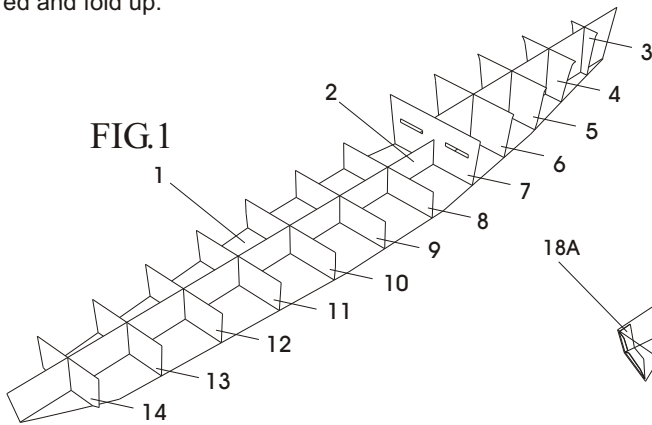


FIG.1

Attach part 18B to the hull side only after part 18 has been glued to the rest of the hull. Same applies to 17 and 17B.

Cut along this line

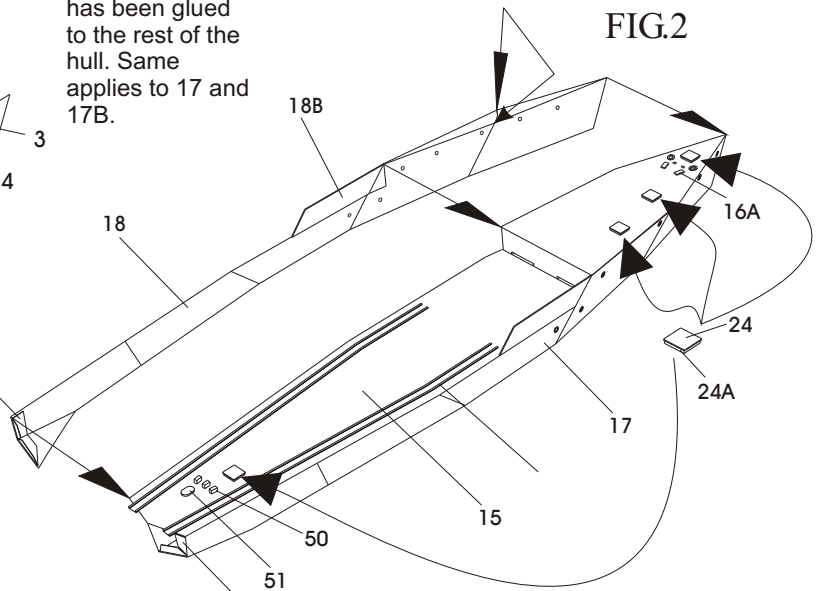


FIG.2

Decks 15 and 16 also have to be laminated.

To replicate paravan tracks in this scale you can use a thin brass wire. Paint it before attaching to deck in black or very dark gray

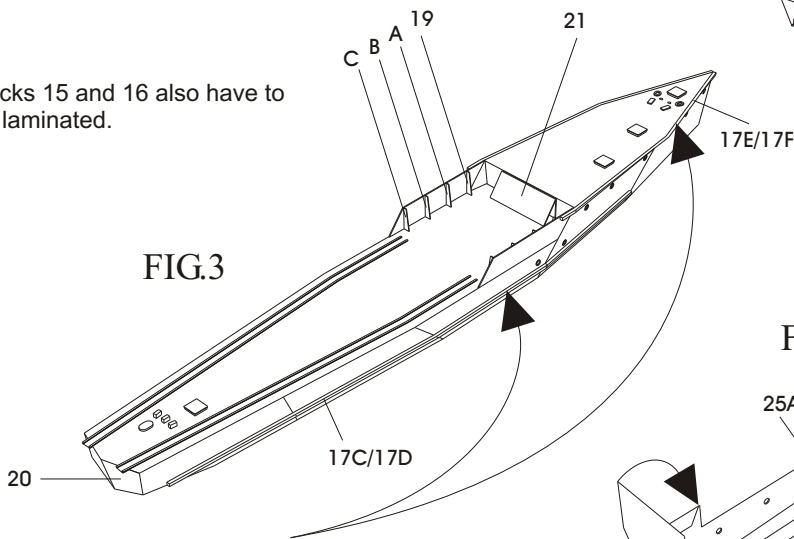


FIG.3

You can replace 17C/17D and 17E/17F with evergreen .75mm (.030") styrene rods. The same applies to the hull other side.

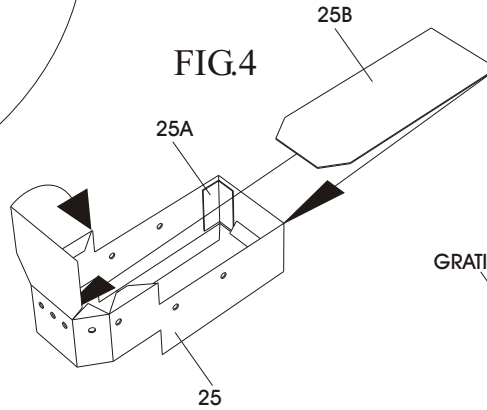


FIG.4

Former 25B goes inside structure 25 just like Fig.4 and .5 indicate.

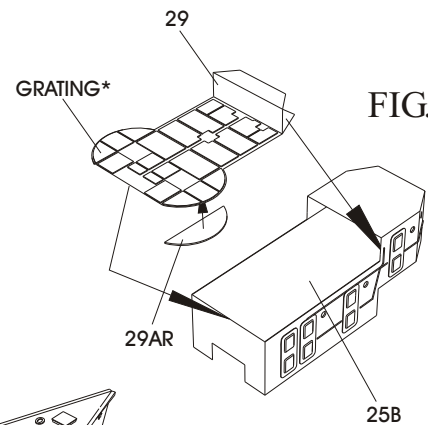


FIG.5

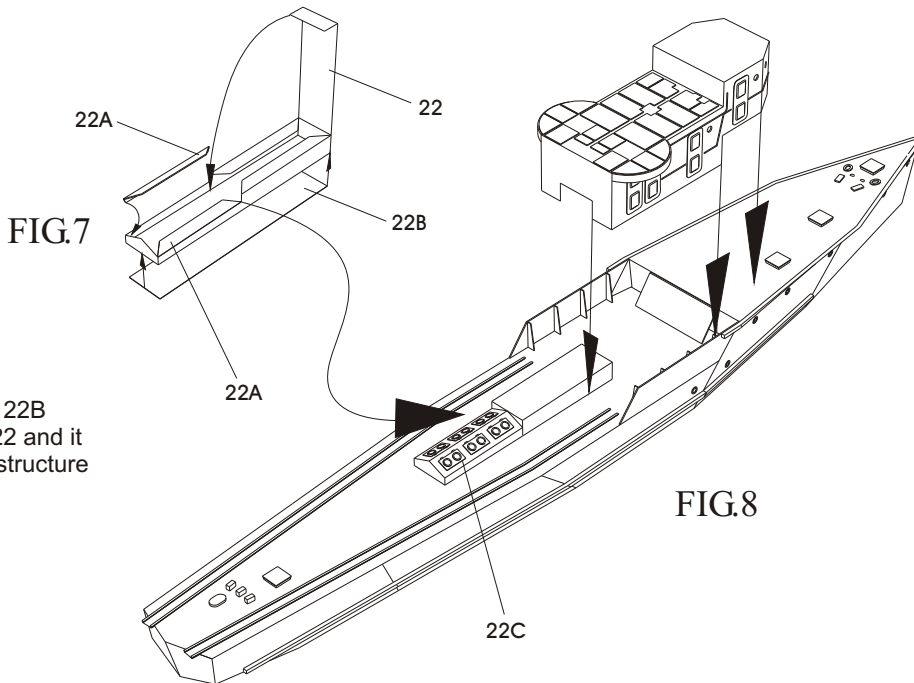


FIG.7

FIG.8

Make sure that former 22B goes inside structure 22 and it is flush even with this structure bottom edge.

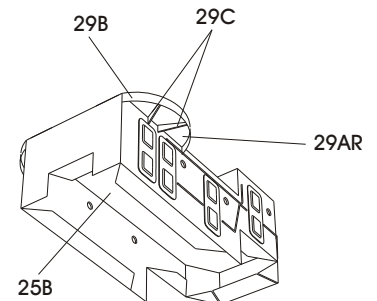
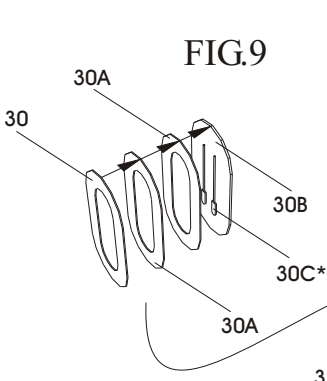
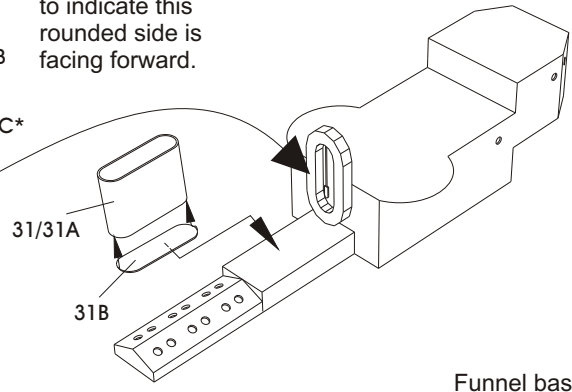


FIG.6



Former 31B goes inside funnel base 31. Notice that part 31 has an arrow draw on it to indicate this rounded side is facing forward.

FIG.10



Glue 32A inside funnel 32 upper edge with its printed side facing inward. While inserting part 32B into the funnel it should go all the way up until it touches bottom edge of part 32A. You can use brass wire or tubing to make small exhaust pipes inside the funnel. After smoke stack is completed don't forget to eliminate white folding marks with black ink.

FIG.11

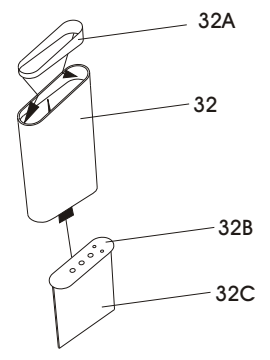
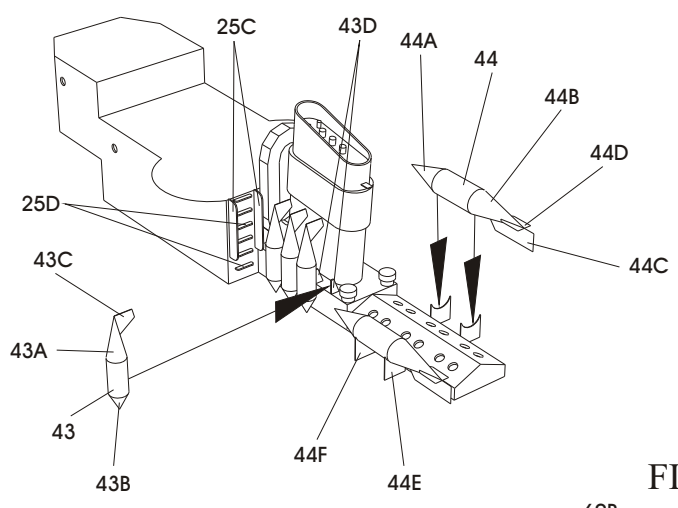


FIG.13



Funnel base 31 should go inside smoke stack entirely.

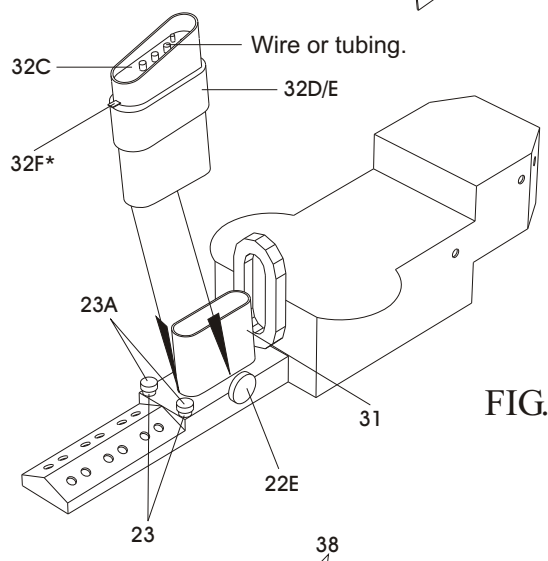


FIG.15

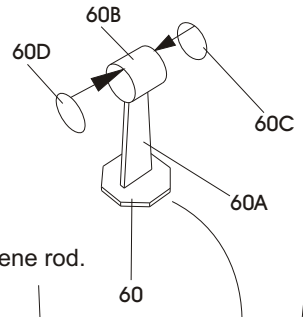


FIG.14

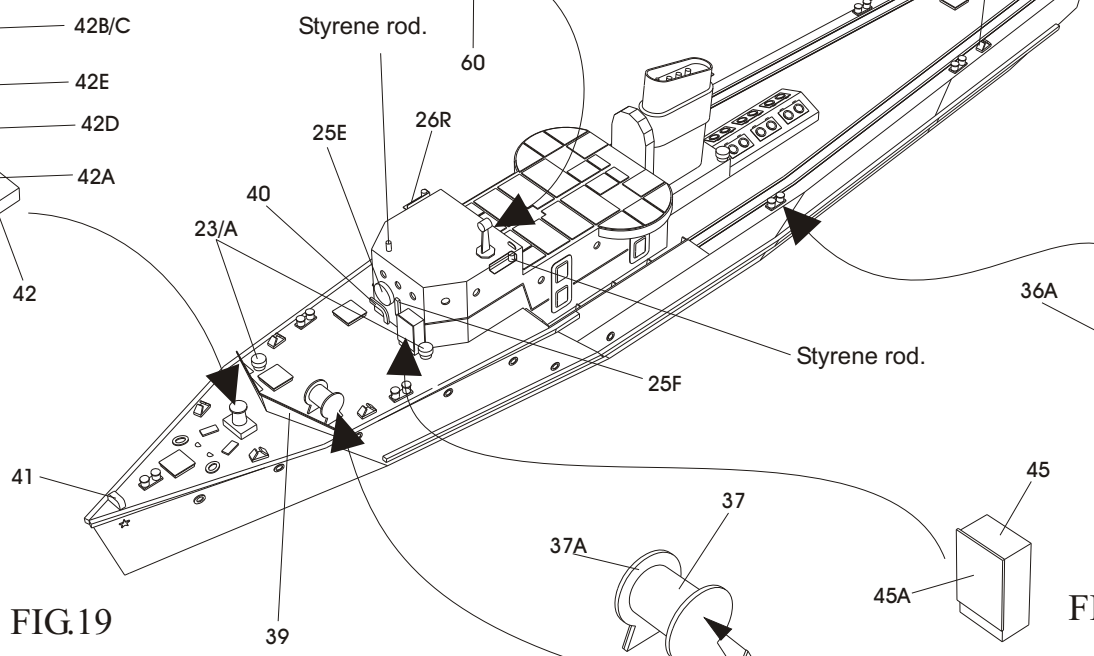
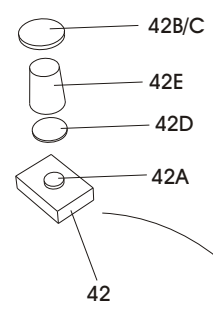


FIG.19

FIG.18

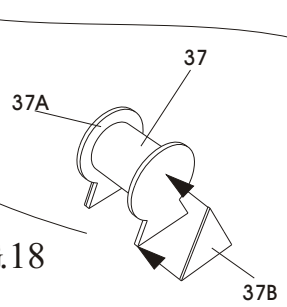


FIG.12

FIG.16

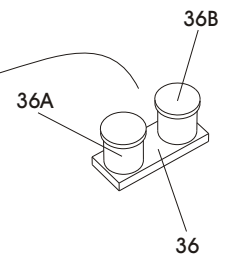
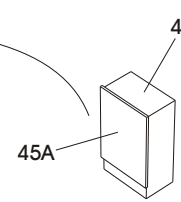


FIG.17



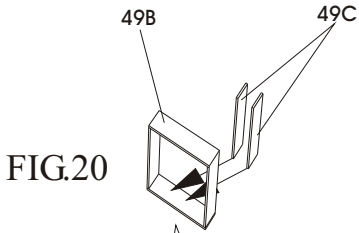


FIG.20

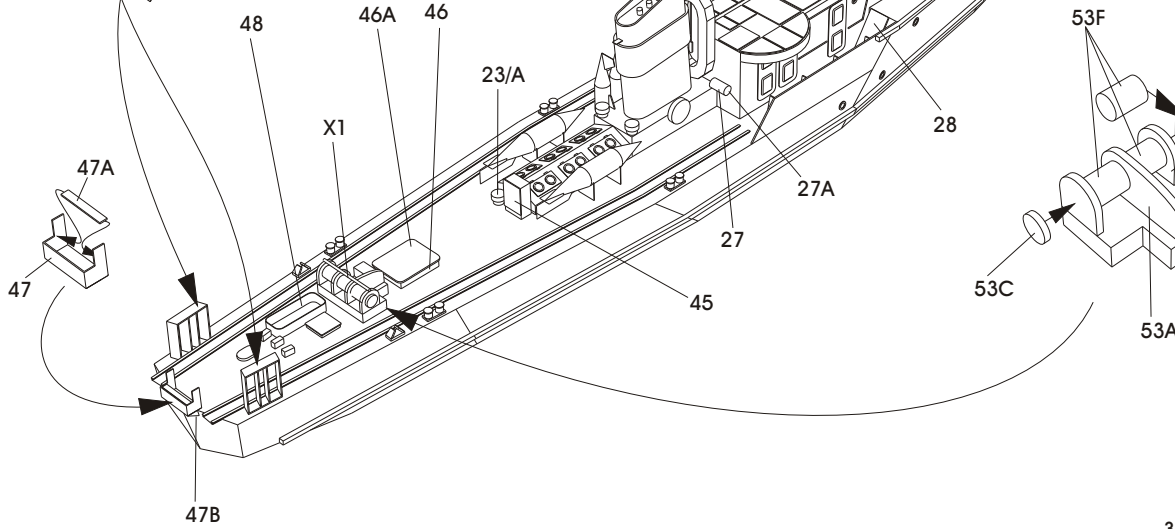


FIG.22

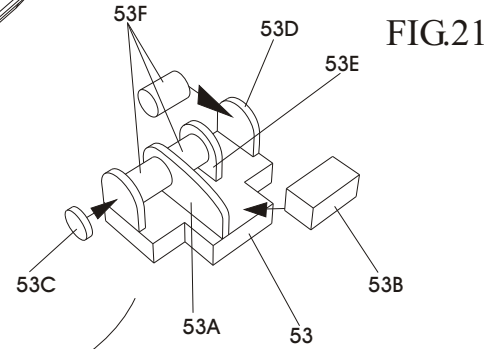


FIG.21

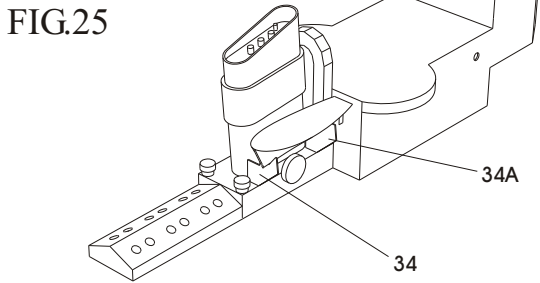


FIG.25

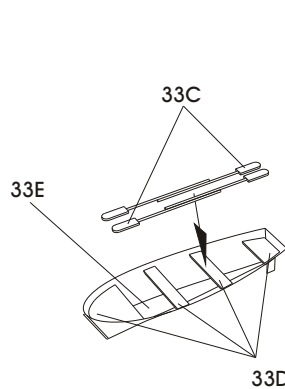


FIG.24

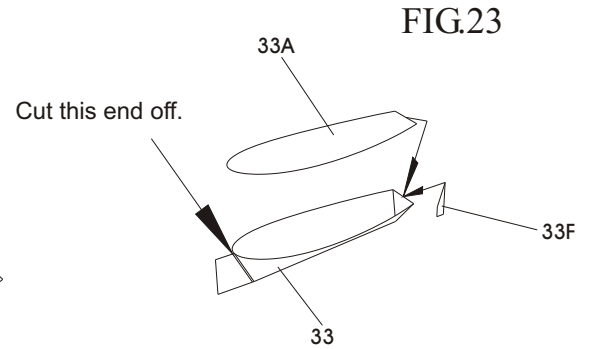


FIG.23

There are three levels of difficulty for the ship boat assembly. Simple as on Fig.23. Medium where 33A is replaced by 33B and 33E is added. Difficult where instead of 33B you should use four separate parts 33D. Oars 33C can be used on any level of difficulty.

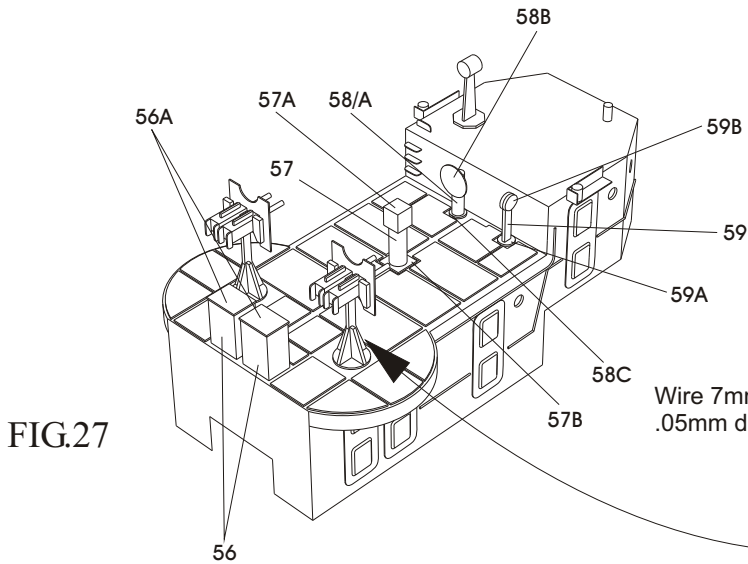


FIG.27

Wire 7mm long,
.05mm dia.

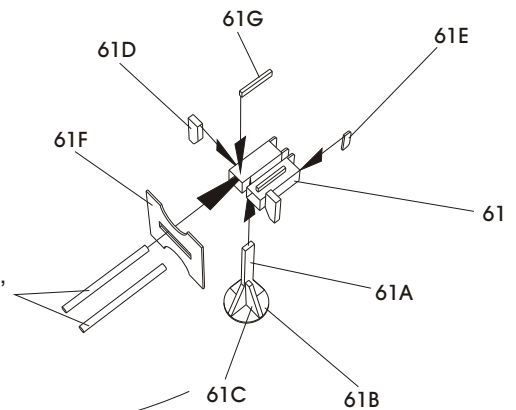


FIG.26

FIG.28

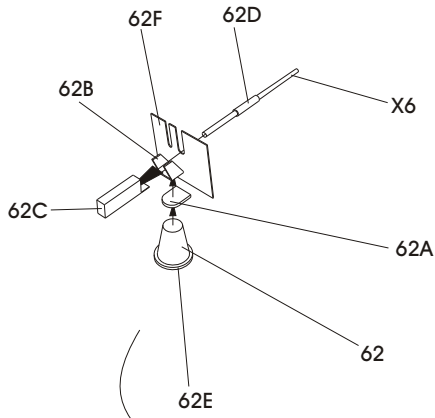


FIG.29

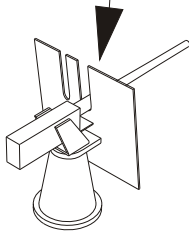
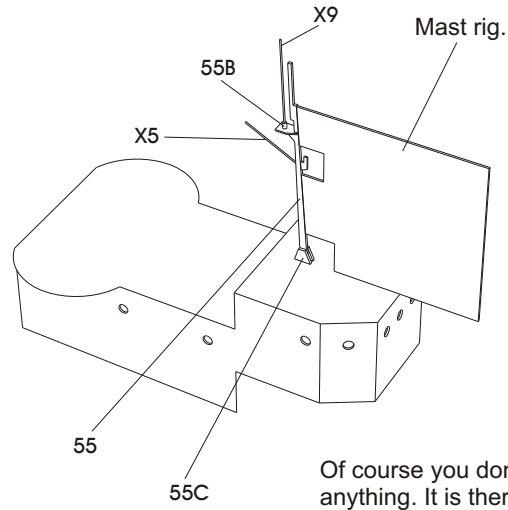


FIG.30



Of course you don't glue mast rig to anything. It is there to help you position partially assembled mast at the correct inclination against horizontal surfaces.

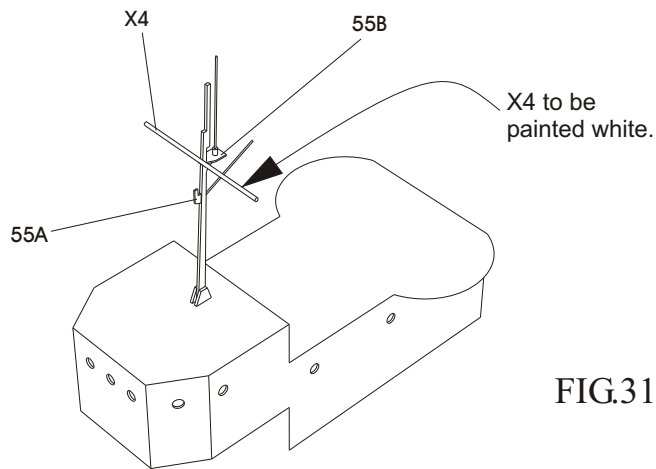


FIG.31

FIG.32

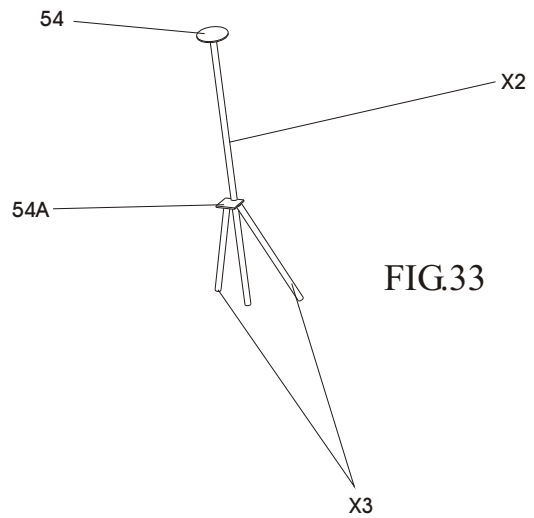
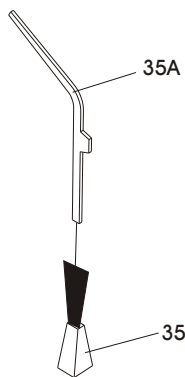
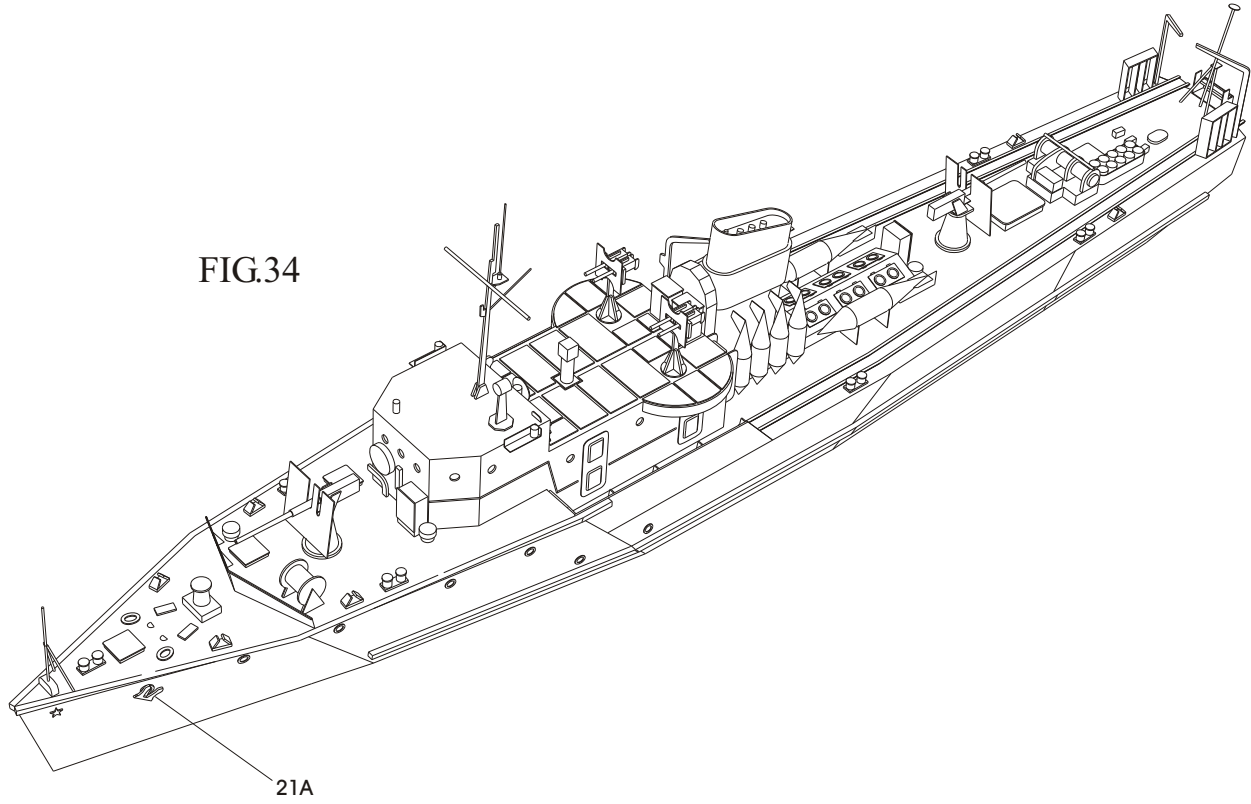
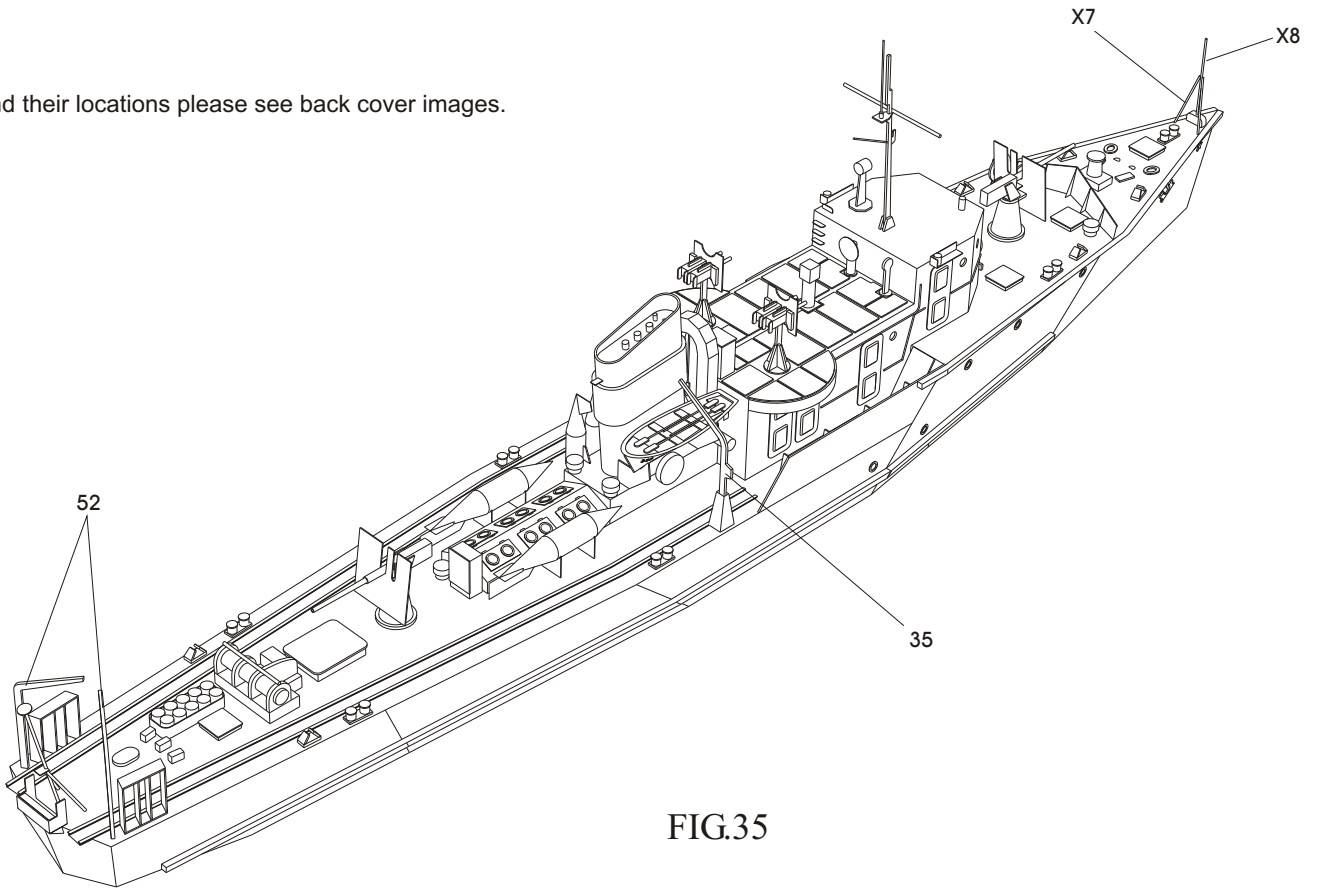


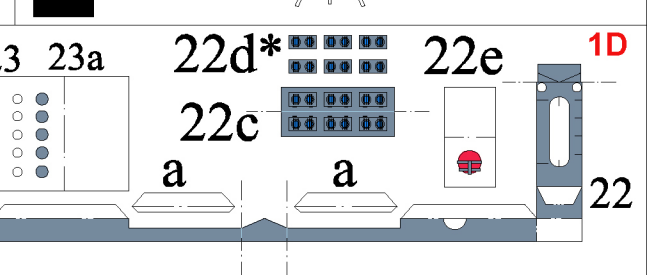
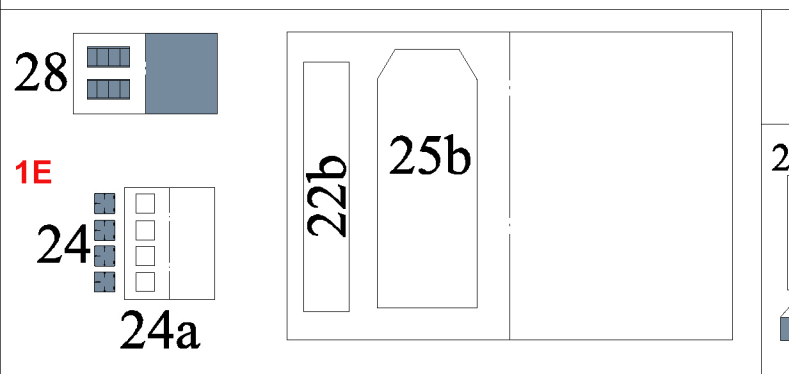
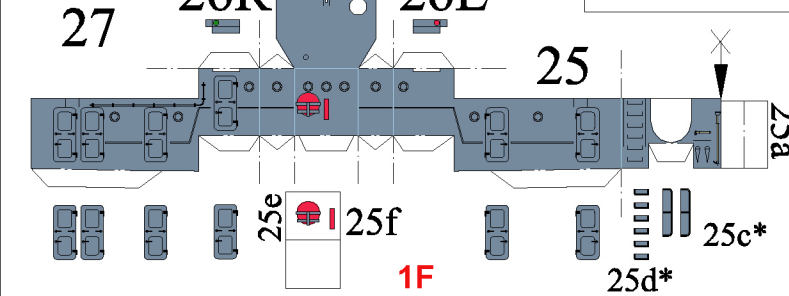
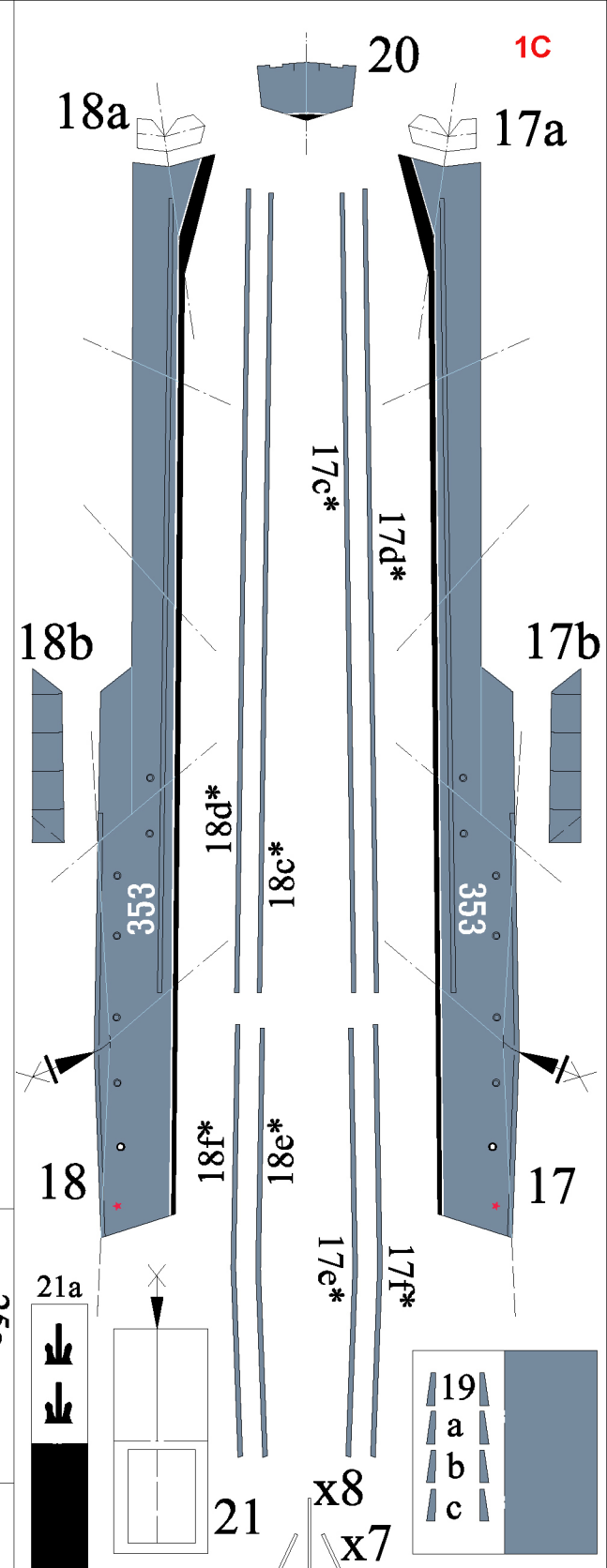
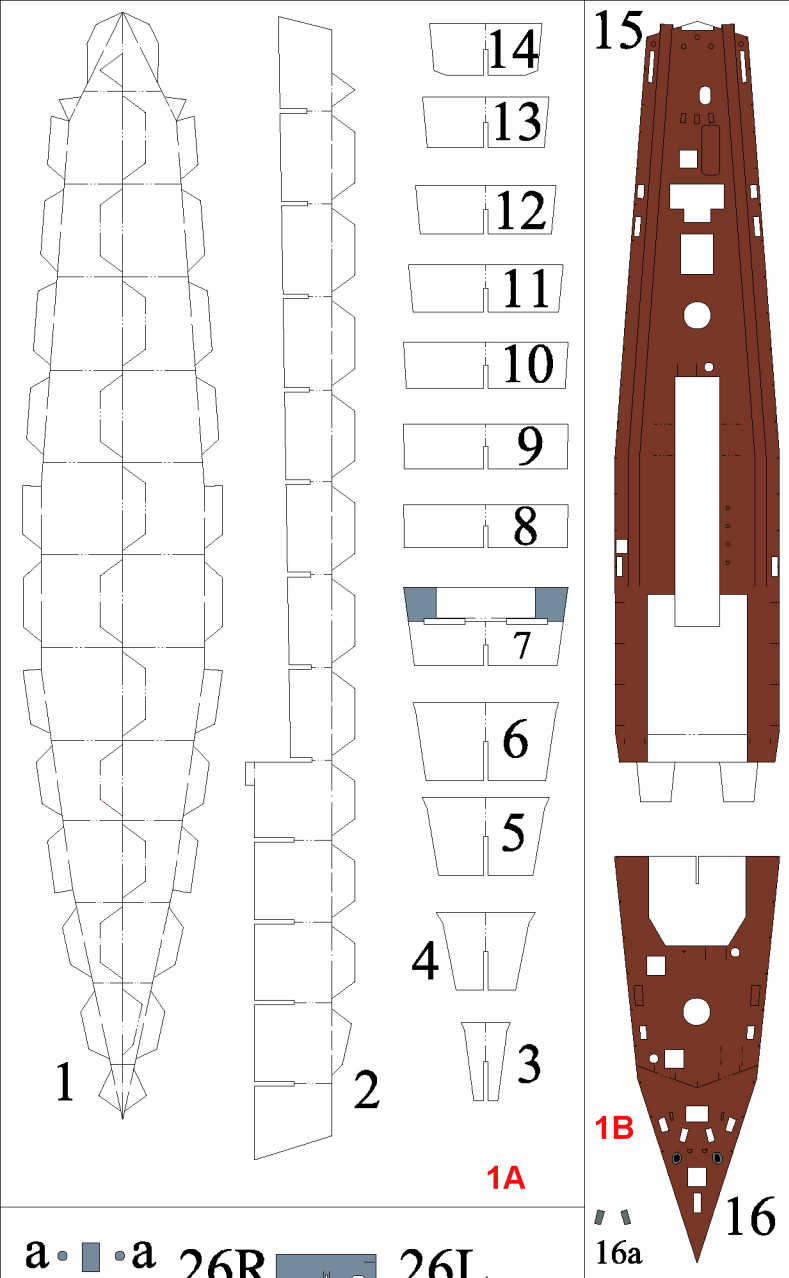
FIG.33

All the wires imitating flag poles to be painted with the colors closely matching that of the superstructure.

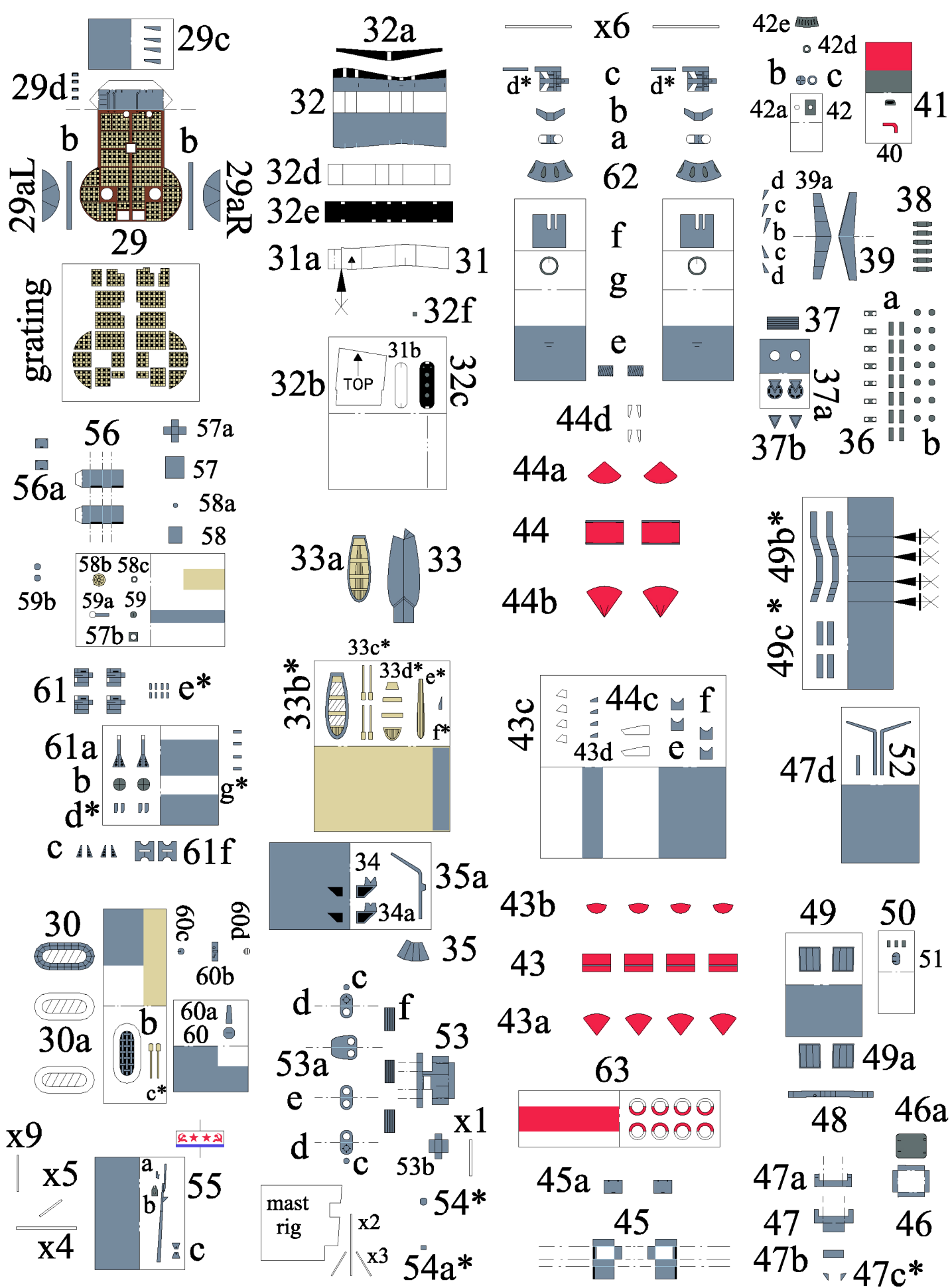


Life rings 63 and their locations please see back cover images.

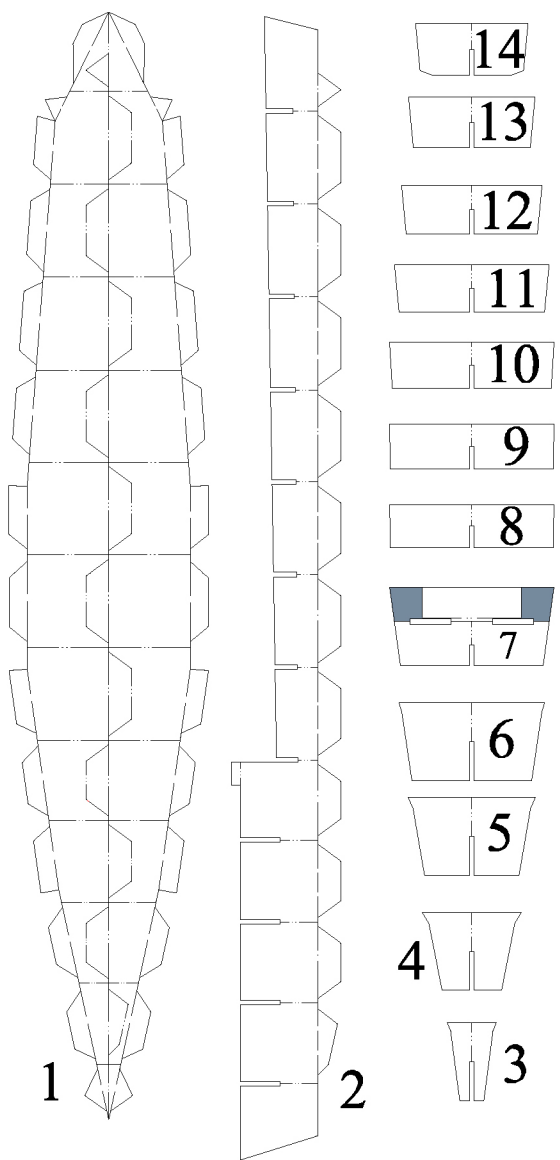




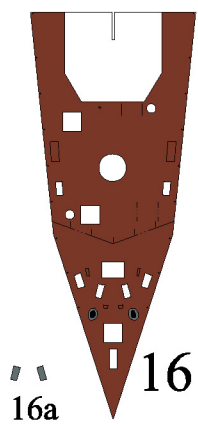
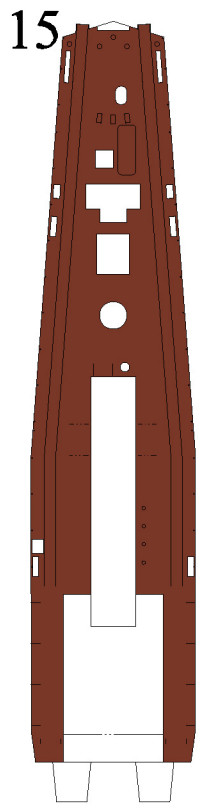


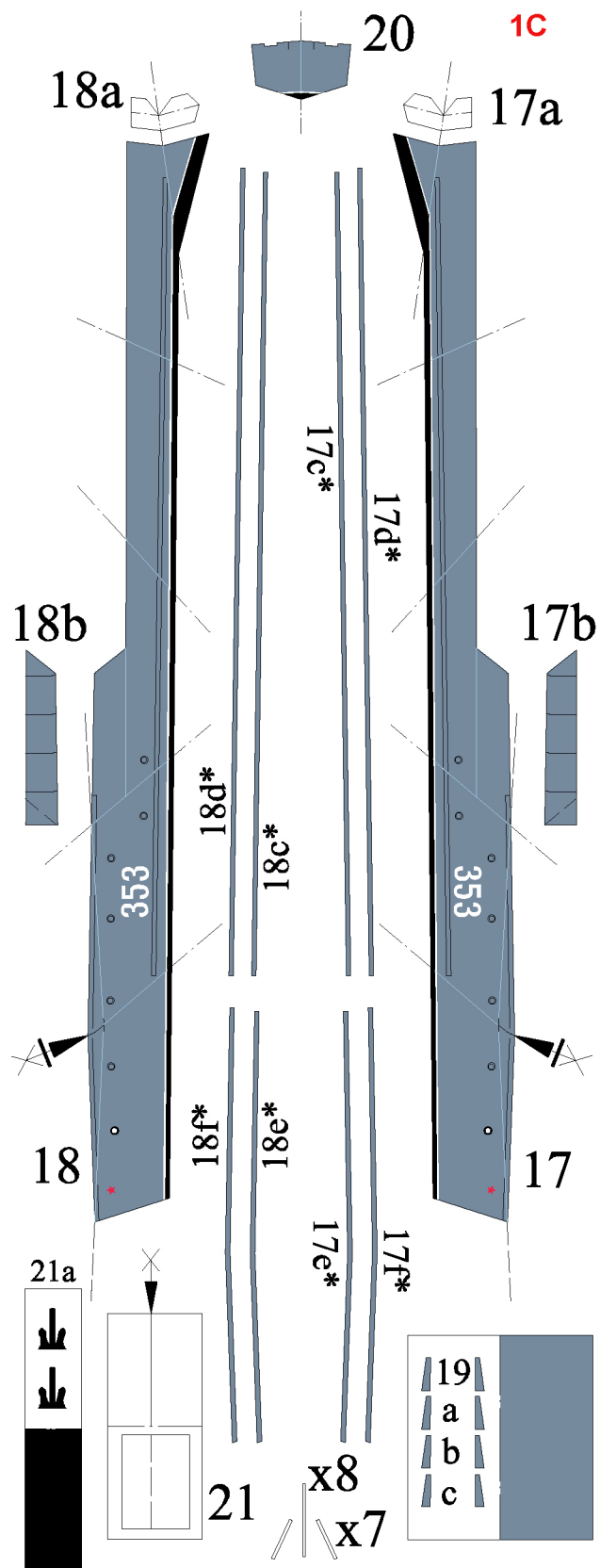


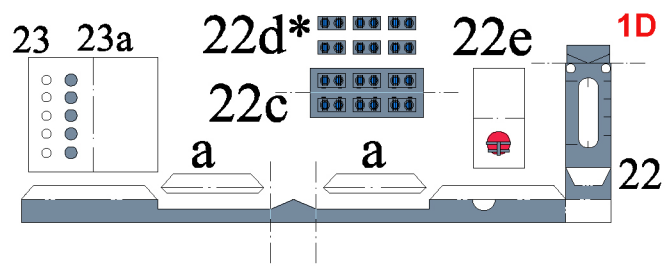


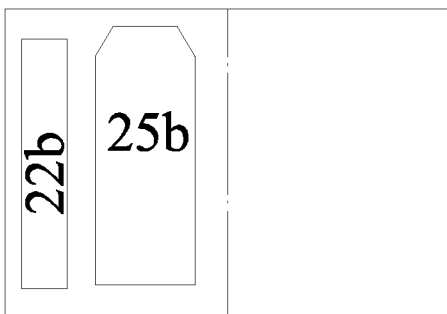
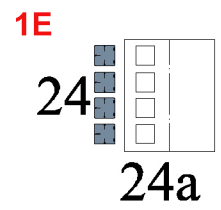
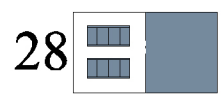


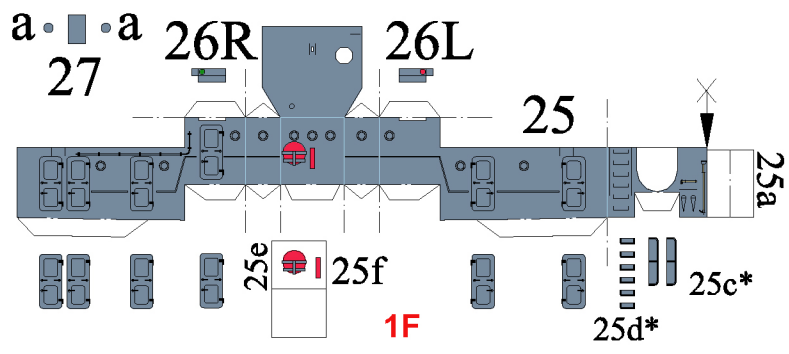
1A

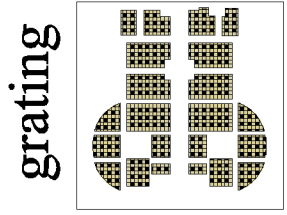
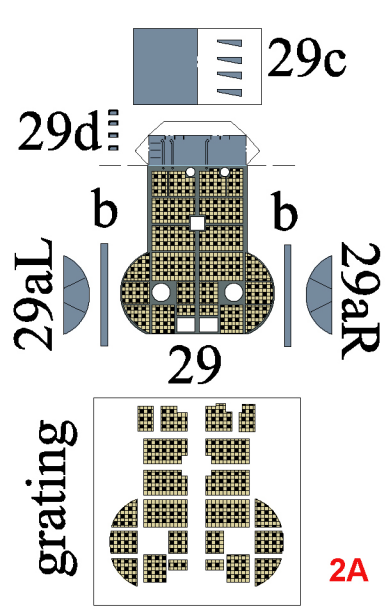




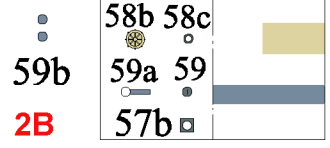
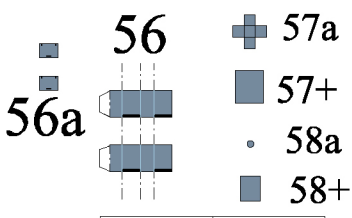

















2A





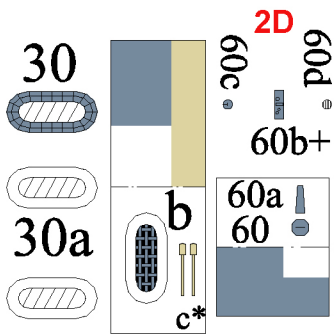
61  e*

61a     g*

2C b  

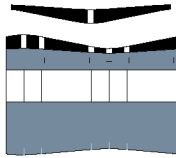
d*   

c   61f



2E

32a



32

32d



32e

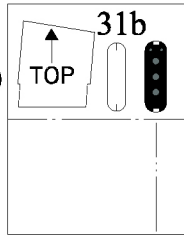


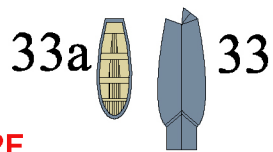
31a



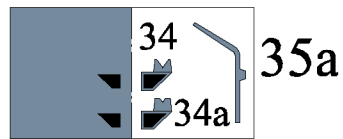
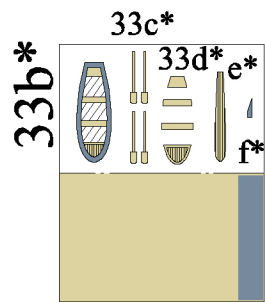
-32f

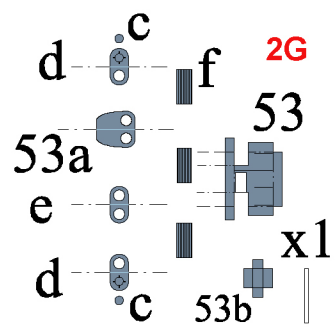
32b



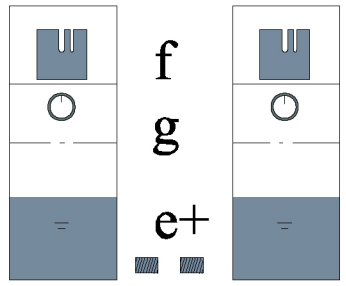
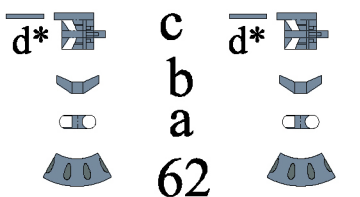


2F





————— x6 ————— 2H

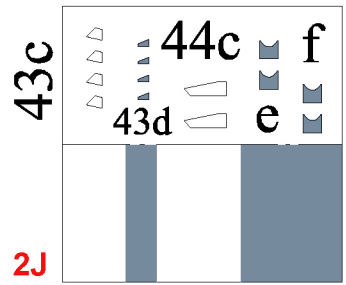


44d  21

44a+ 

44+ 

44b+ 

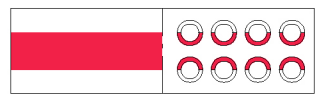


43b+

43+

43a+



63






45a ■ ■ 2K





45

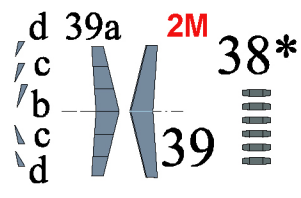


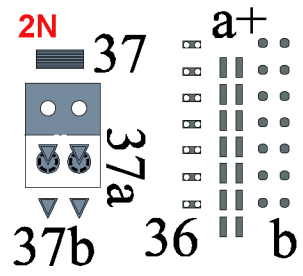
42e  42d  2L

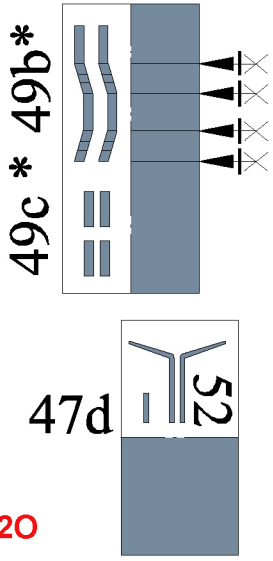
b  c

42a  42  41





40

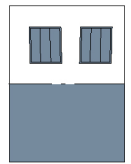






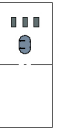
2P

49










49a

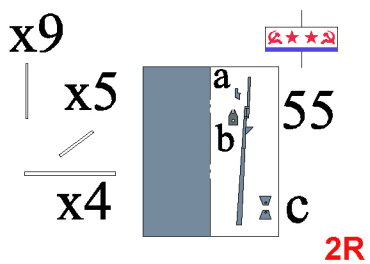
50



51

49a


2Q 48 46a

47a  
47  46
47b  47c*




mast
rig

2S

x2
x3

• 54*
54a*