

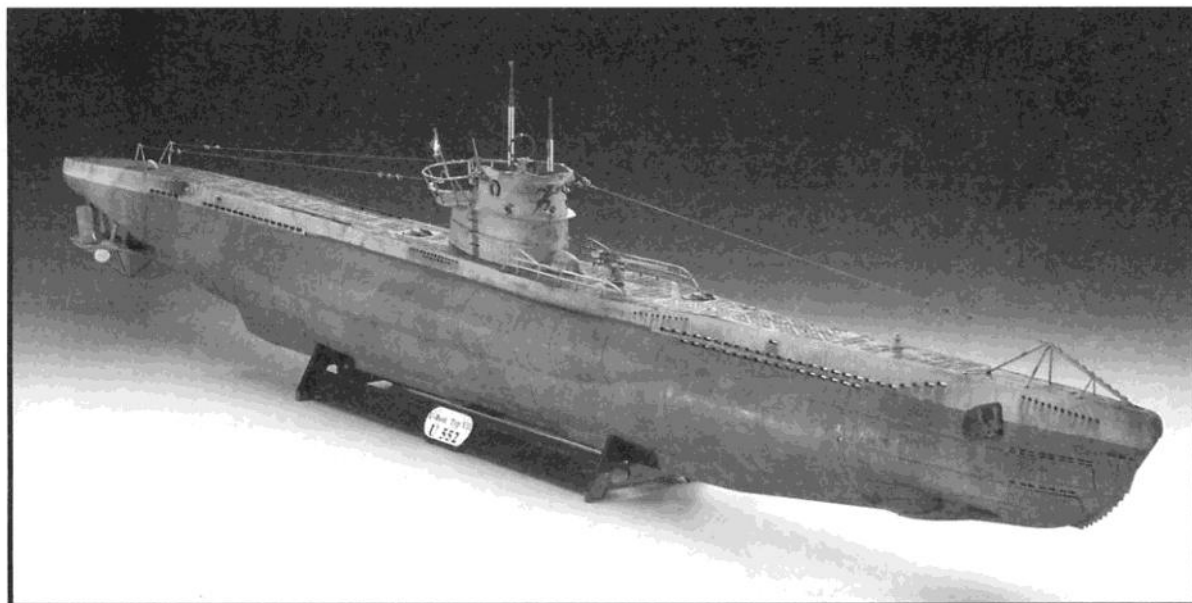
Revell

German submarine/ Deutsches U-Boot VII C

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German Submarine /Deutsches U-Boot VII C

Der britisch-deutsche Flottenvertrag von 1935 führte zur Entwicklung deutscher U-Boote mit ca. 500 t Standardgewicht. Innerhalb dieser Tonnagebegrenzung galt es, einen kampfkraftigen U-Boottyp zu entwickeln. Auch sollten die im Ersten Weltkrieg gesammelten Erfahrungen im U-Booteinsatz Berücksichtigung finden. Der neue Entwurf erhielt die Typbezeichnung VII.

Als erste Version dieses neuen U-Bootes entstand der Typ VII-A. Charakteristisch für die neuen Boote waren die am Druckkörper angebrachten Satteltanks, die dem Boot eine gute Überwasserstabilität verliehen. Forderungen nach erhöhter Antriebsleistung und verbesserten Steuereigenschaften sowie verstärkter Torpedobewaffnung führten bereits 1936 zum Nachfolgetyp VII-B. Folge der Veränderungen und Verbesserungen am Boot war eine Verlängerung des Rumpfes um 2 Meter. Schon 1938 wurden weitere Veränderungen am Boot beschlossen, in deren Folge der U-Boot-Typ VII-C entstand. Das Boot wurde um einen weiteren Spantabstand verlängert. So konnte eine Vergrößerung der Zentrale und des Turmes, ein nochmals vergrößerter Brennstoffvorrat sowie verbesserte Taucheigenschaften erreicht werden.

Der erste Bauauftrag für ein VII-C Boot wurde 1938 erteilt, in der Folge entwickelte sich der Typ VII-C zum meistgebauten deutschen U-Boot des Zweiten Weltkrieges. Das Boot überzeugte durch seine robuste Bauart, seine hohe Tauchtiefe und die sehr gute Manövrierbarkeit. Im deutschen U-Bootbau stellte dieser Typ Abschluß und Höhepunkt der Tauchboot-Ära dar.

Dem Haupteinsatzzweck entsprechend stellte der Typ VII-C ein reines Angriffsboot dar. Englands Nachschubwege sollten durch gezielte Versenkung von Handelsschiffen nachhaltig gestört werden. Der Plan ging auf - alliierte Geleitzüge wurden von ganzen Rudeln deutscher U-Boote attackiert. Doch schon 1943 sollte sich das Blatt wenden, die Jäger wurden Gejagte. Neue Ortungsverfahren der Alliierten - so das Radar - spürten die „Graue Wölfe“ genannten deutschen U-Boote selbst bei Nacht und Nebel gnadenlos auf. Schwerste Verluste für die deutsche U-Bootwaffe waren die Folge. Von rund 39.000 U-Bootmännern verloren über 33.000 ihr Leben auf See.

Der U-Boot-Typ VII-C spiegelt wie kein anderer Aufstieg und Fall der deutschen U-Bootwaffe im Zweiten Weltkrieg wider. Nach insgesamt 659 gebauten Booten des Typs VII-C wurde die Produktion 1944 zugunsten modernerer U-Boote eingestellt.

Eines der bekanntesten Typ VII-C Boote ist U 552. Gebaut bei Blohm & Voss wurde es am 4. Dezember 1940 in Dienst gestellt. Als „Roter Teufel“ erlangte es nicht nur durch seine auffällige Turmbemalung Bekanntheit, auf erfolgreichen 15 „Feindfahrten“ wurden allein durch dieses Boot 30 Schiffe mit einer Gesamttonnage von 152.250 BRT versenkt. Erster Kommandant von U 552 war Erich Topp, einer der höchstdekorierten Deutschen Soldaten im Zweiten Weltkrieg.

German Submarine /Deutsches U-Boot VII C

The British/German naval treaty of 1935 led to the development of German submarines with a standard weight of approximately 500 tons. Within this tonnage limit it was essential to develop a combat-capable type of submarine that would also take into account the experience gained with submarines in the First World War. The new design was designated the type VII.

The first version of this new submarine was the type VII-A. A characteristic feature of these new vessels was the trimming tanks attached to the pressure hull to give the submarine good surface stability. By 1936, the demand for greater power and improved steering characteristics as well as more powerful torpedoes had already led to the next type, the VII-B. A consequence of the modifications and improvements to the submarine was that the hull was lengthened by 2 metres. As early as 1938, further modifications had been decided upon, giving rise to the type VII-C. The sub was lengthened by another compartment. This made it possible to increase the size of the control room and conning tower, to further increase the fuel capacity and to improve the diving characteristics.

The first order for a type VII-C was placed in 1938. The type VII-C subsequently became the most frequently built German submarine of World War II; it was characterized by robust construction, low diving depth and excellent manoeuvrability. This type represents the ultimate high point of the German submarine era.

The main role of the type VII-C was purely as an offensive weapon, designed to carry out sustained disruption of the English supply lines by sinking targeted merchant ships. The plan worked. Allied convoys were attacked by whole packs of German submarines. But by 1943 the page had turned; the hunters became the hunted. The Allies had new search equipment - such as radar - that enabled them to track the German subs known as the "Grey Wolves" mercilessly even by night and in fog. This resulted in heavy losses for the German submarines. Of about 39,000 submariners over 33,000 lost their lives at sea.

The type VII-C like no other illustrates the rise and fall of the German submarine during World War II. After a total of 659 of the type VII-C had been built, in 1944 production was discontinued in favour of more modern submarines.

One of the best-known type VII-C submarines was the U 552. Built by Blohm and Voss it went into service on 4 December 1940. It became known as the "Red Devil", not only due to the conspicuous painting on its tower, but also because on 15 successful missions against the enemy, 30 ships with a total tonnage of 152,250 GRT were sunk by this sub alone. The first Commander of the U 552 was Erich Topp, one of the most decorated German officers in the Second World War.

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Verwendete Symbole/Used Symbols

Bitte beachten Sie folgende Symbole, die in den nachfolgenden Baustufen verwendet werden.

Veillez noter les symboles indiqués ci-dessous, qui sont utilisés dans les étapes suivantes du montage.

Si prega di fare attenzione ai seguenti simboli che vengono usati nei successivi stadi di costruzione.

Hupmerk teuravaad symbolit, jota käytetään seuraavassa kokonaisuudessa.

Legg merke til symbolene som benyttes i monteringsstadiene som følger.

Proszę zwracać na następujące symbole, które są użyte w poniższych etapach montażowych.

Daha sonrakı montaj basamaklarında kullanılacak olan, aşağıdaki sembollere lütfen dikkat edin.

Kérjük, hogy a következő szimbólumokat, melyek az alábbi építési fázisokban alkalmazásra kerülnek, vegyék figyelembe.

Please note the following symbols, which are used in the following construction stages.

Neem a.a.b. de volgende symbolen in acht, die in de onderstaande bouwfasen worden gebruikt.

Por favor, preste atenção aos símbolos que seguem pois os mesmos serão usados nas próximas etapas de montagem.

Observez: Nedanstående piktogram används i de följande arbetsmomenten.

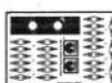
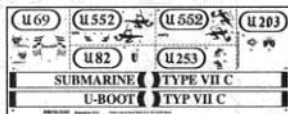
Lag venligst merke til følgende symboler, som benyttes i de følgende byggestadier.

Παρακαλώ, обратите внимание на следующие символы, которые используются в последующих операциях сборки.

Παρακαλώ προσέξτε τα παρακάτω σύμβολα, τα οποία χρησιμοποιούνται στις παρακάτω βωβικές συναρμολογήσεις.

Dbejte prosím na dále uvedené symboly, které se používají v následujících konstrukčních stupních.

Prosimo za Vašu pozornost na sledeće simbole ki se uporabljajo v naslednjih korakih gradbe.



Kleben
Glue
Coller
Lijmen
Engomar
Colar
Incollare
Limmas
Limmaa
Klistning
Lim
Kleim
Przykleić
κόλλημα
Yapıştırma
Lepeni
ragasztani
Lepti

Nicht kleben
Don't glue
Ne pas coller
Niet lijmen
No engomar
Não colar
Non incollare
Limmas ej
Älä limmaa
Må ikke klistres
Ikke lim
Ne kleim
Nie przyklejać
μη κολλάτε
Yapıştırmayın
Nelepit
nem szabad ragasztani
Ne lepti

Abziehbild in Wasser einweichen und anbringen
Soak and apply decals
Mouiller et appliquer les décalcomanies
Transfer in water even latex weiken en aanbrengen
Remojar y aplicar las calcomanías
Pôr de molho em água e aplicar o decalque
Immergere in acqua ed applicare decalcomanie
Blöt och läst dekalerna
Kostuta siirtokuvaa vedessä ja aseta paikalleen
Overläringsbilden i vatten och anbringas
Dyp i bildet i vann og sett det på
Перекладываю картинку намоачить и наклеить
Zmiekzyć kalkomanie w wodzie a następnie nakleić
Βουτήξτε τη χαλκομανία στο νερό και τοποθετήστε τη
Çikartmayı suya yumuşatın ve koyun
Obtisk namočite ve vodě a umístěte
Dyp i bildet i vann og sett det på
Περικαλύψτε την εικόνα με νερό και κολλήστε την
Bayrakı kesin, ortadan bükün ve ipleğe yapıştırın
Vlaagkijst vóórhand, ve streefde preehnoet a na vláknú slepiet
a zászlókat kivágni, középen összehajítani és a fonálraál összeragasztani
Zrežati zastave, v sredini zviti in naleptiti za nit

Flags ausschneiden, in der Mitte falzen und am Faden zusammenkleben
Cut out flags, fold in the middle and stick together at thread
Découper les pavillons, plier dans le milieu et coller au niveau du fil
Vlaggen uitknippen, in het midden vouwen en op de draad aan elkaar lijmen
Recortar las banderas, doblarlas por la mitad y pegarlas al hilo
Cortar a bandeira, dobrá-la ao meio e colar ao fio
Ritagliare le bandiere, piegarle nella metà e incollarle sul filo
Kiip ut flaggor, vik på mitten och klistra samman runt tråden
Leikkaa liput irti, taita keskeltä ja limaa narun ympärille yhteen
Flagene skæres ud, faltes i midten og limes omkring tråden
Skjær ut vimpelene, fals i midten og lim sammen på snora
Вырезать флаги, сложить в середине и приклеить к нити
Wyćiąć flagi, złożyć w środku i przykleić do nitki
κόψτε τις σημαίες, διπλώστε τις στη μέση και κολλήστε τις στην κλωστή
Bayrakı kesin, ortadan bükün ve ipleğe yapıştırın
Vlaagkijst vóórhand, ve streefde preehnoet a na vláknú slepiet
a zászlókat kivágni, középen összehajítani és a fonálraál összeragasztani
Zrežati zastave, v sredini zviti in naleptiti za nit



Abbildung zusammengesetzter Teile
Illustration of assembled parts
Figure représentant les pièces assemblées
Afbelding van samengevoegde onderdelen
Ilustración piezas ensambladas
Figura representando peças encaixadas
Illustrazione delle parti assemblate
Bildern visar delarna hopstatta
Kuva yhteenliitetystä osista
Illustration af sammensatte dele
Illustrasjon, sammensatte deler
Изображение смонтированных деталей
Rysunek złożonych części
απεικόνιση των συναρμολογημένων εξαρτημάτων
Birleştirilen parçaların şekli
Zobrazení sestavených dílů
összeállított alkatrészek ábrája
Slika slopljenega dela

Gleichen Vorgang auf der gegenüberliegenden Seite wiederholen
Repeat same procedure on opposite side
Opérer de la même façon sur l'autre face
Dezelfde handeling herhalen aan de tegenoverliggende kant
Realizar el mismo procedimiento en el lado opuesto
Repetir o mesmo procedimento utilizado no lado oposto
Stessa procedura sul lato opposto
Upprepa proceduren på motsatta sidan
Toista sama toimenpide kuten vieresellä sivulla
Det samme arbejde gentages på den modsatliggende side
Gjenta prosedyren på siden tværs overfor
Повторить такую же операцию на противоположной стороне
Taki sam przebieg czynności powtórzyc na stronie przeciwniej
επανάλαβε την ίδια διαδικασία στην απέναντι πλευρά
Aynı işlemi karşı tarafta tekrarlayın
Stejný postup zopakovat na protilehlé straně
ugyanazt a folyamatot a szemben található oldalal megismételni
Isti postopek ponoviti na suprotni strani

Loch bohren
Make a hole
Faire un trou
Maak een gat
Practicar un taladro
Perforar
Fare un foro
Borra hål
Poraa reikä
Der bores et hul
Bor hull
Просверлить отверстие
wywiercić otwór
ανώτερο τρύπα
Delik açın
Vyvrtat díru
lyukat fúrni
Narediti lukinjo

Wahlweise
Optional
Facultatif
Naar keuze
No engomar
Alternado
Facultativo
Valfritt
Valitsoehtoisesti
Efter eget valg
Valgfritt
Ha valör
Do wyboru
εναλλακτικά
Semele
Voliteľné
tetszés szerint
način izbire

Schwarzen Faden benutzen
Use black thread
Employer le fil noir
Gebruik zwarte draad
Utilizar hilo color negro
Utilizar fio preto
Usare filo nero
Använd svart tråd
Käytä mustaa lankaa
Benyt en sort
Bruk svart
Использовать черные нитки
Użyć czarnej nici
χρησιμοποιήστε την καφέ μούρου
Kahverengi siyah iplik kullanın
Použit černé vlákno
barna fekete fonalat kell használni
Uporabljati črni nit



Klebeband
Adhesive tape
Dévidoir de ruban adhésif
Plakband
Cinta adhesiva
Fita adesiva
Nastro adesivo
Tejp
Teippi
Tape
Tape
Klekkaja лента
Tasma klejaca
κόλλητική ταινία
Yapıştırma bandı
Lepici páska
ragasztószalag
Traka z lepilom

Mit einem Messer abtrennen
Detach with knife
Détacher au couteau
Met een mesje afsnijden
Separarlo con un cuchillo
Separar utilizando uma faca
Staccare col coltello
Skär loss med kniv
Irrota veitsellä
Adskilles med en kniv
Skjær av med en kniv
Отделить ножом
Odciać nożem
διαχωρίστε με ένα μαχαίρι
Bir bıçak ile kesin
Oddzielić nożem
kés segítségével leválasztani
Oddeliti z nožem

Bauteile trocknen lassen
Laisser sécher les pièces
Déjar secar las piezas
Dejar secar os componentes
La delene tørke
Allow the parts to dry
Oderdelen laten drogen
Far asciugarsi i componenti
Anna osien kuivua
Låt byggdelarna torka
Lad komponenterne tørre
Części pozostawić do wyschnięcia
Yapı parçalarını kurumaya bırakınız
Jednotlivé díly nechte zaschnout
Αφήστε τα μέρη να στεγνώσουν
Počet pracovnih operaci
Pustite da sastavni deli posuše
Дать деталям высохнуть

Anzahl der Arbeitsgänge
Number of working steps
Nombre d'étapes de travail
Het aantal bouwstappen
Número de operaciones de trabajo
Número de etapas de trabalho
Número di passaggi
Antal arbetsmoment
Työvälehdien lukumäärä
Antal arbetsförlopp
Antali arbeidstrinn
Količestvo operacij
Liczba operacji
αριθμός των εργασιών
İş safhalarının sayısı
Počet pracovnih operaci
A munkafolyamatok száma
Številka koraka montaze

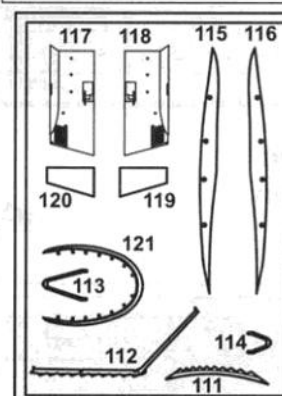
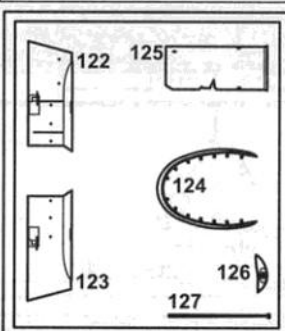
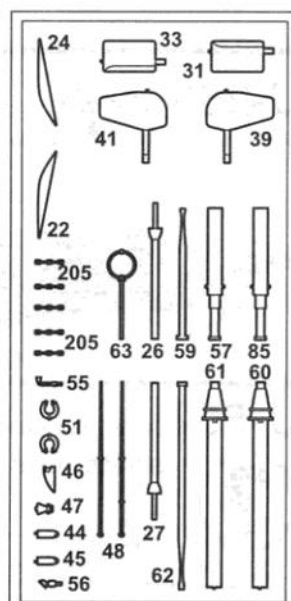
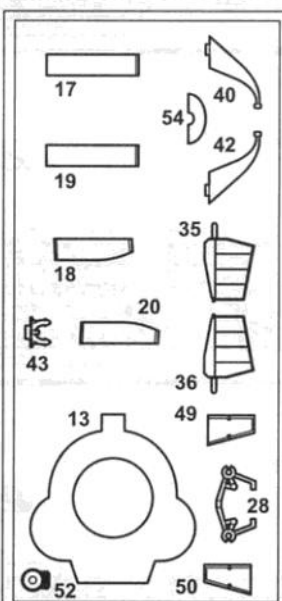
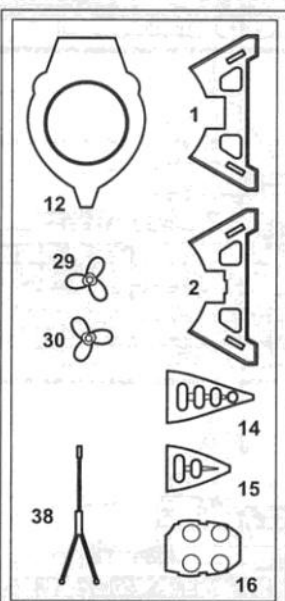
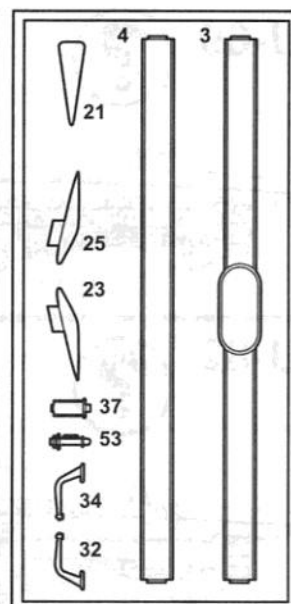
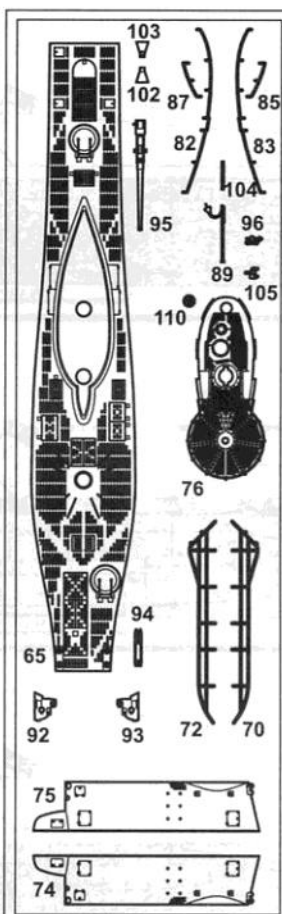
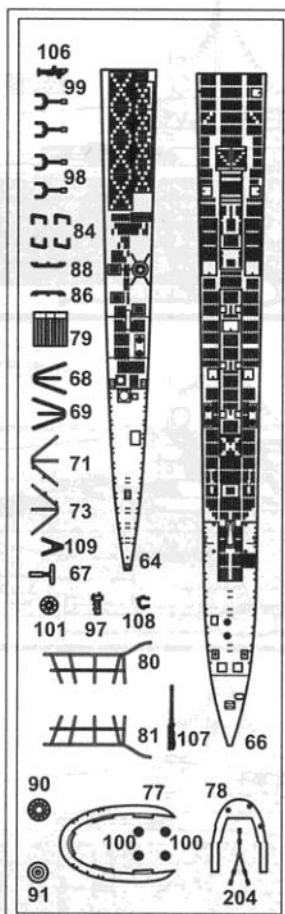
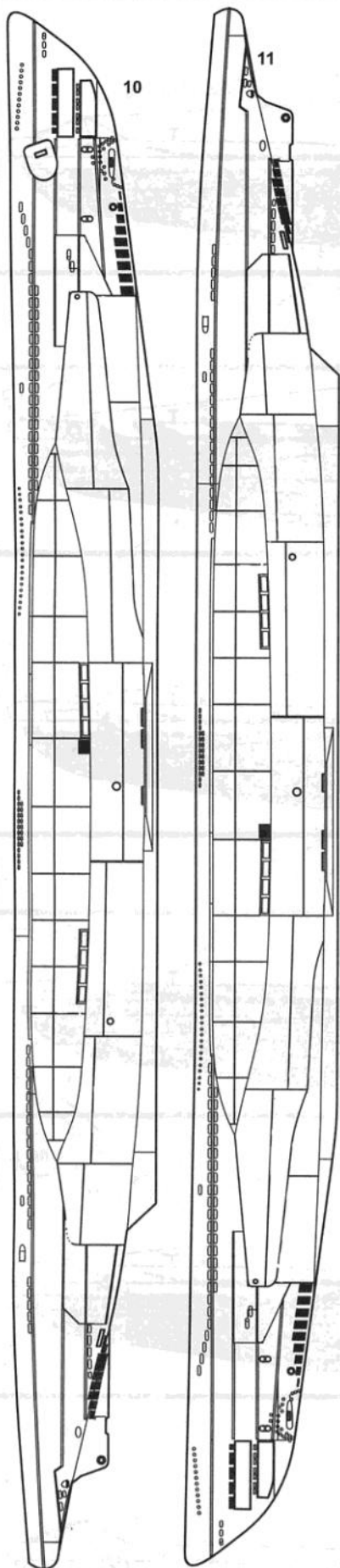
Spitze eines Schraubenziehers erhitzen und auf das herausragende Ende des Plastikstiftes drücken
Heat tip of screwdriver and press on protruding end of plastic pin
Chauffer la pointe du tournevis et appuyer sur la partie saillante de l'extrémité en plastique
De punt van een schroevendraaier verhitten en op het uitstekende einde van de plastic stift drukken
Calentar la punta de un destornillador y oprimir con ella el extremo sobresaliente del pasador de plástico
Aquecer a ponta de uma chave de rodas e pressionar contra a ponta exposta da vareta de plástico
Riscaldare la punta di un cacciavite e premere sull'estremità sporgente del perno di plastica
Värm spetsen på en skruvmejsel och tryck på plaststiftets utstickande ände
Kuumenna ruuvitalan kärki ja paina sillä ulostyntyvän muovitapin päätä
Spidsen af en skruetrækker opvarmes og trykkes mod den ende af plaststiften, der rager ud
Varm opp spissen på en skrutrekker og tryk den op den ende av plaststiften som stikker ut
Нагреть острие отвертки и надавить на выступающий конец пластикового штифта
Rozgrzać do gorąca czubek śrubokręta i przyłożyć do wystającej końcówki plastikowego trzpienia
Θερμάνετε την μύτη ενός κατσβιδιού και πιέστε την στο τέρμα του πλαστικού πείρου που εξέχει
Bir tornavidaanın ucunu ısıtın ve dişari sarkan plastik pimini ucunu bastırın
Hrot šraubovaku ohřát a vtičit na výčnivající konec koliku z plastické hmoty
egy csavarhúzó végjét felhevíteni és a műanyag csap kiálló végére nyomni
Zagreti vrh odvijač in z njim pritisniti konec plastičnega švčinika ki gleda ven

D: Beiliegenden Sicherheitstext beachten und nachschlagebereit halten.
E: Please note the enclosed safety advice and keep safe for later reference.
F: Respecter les consignes de sécurité ci-jointes et les conserver à portée de main.
NL: Houdt u aan de bijgaande veiligheidsinstructies en hou deze steeds bij de hand.
E: Observar y siempre tener a disposición este texto de seguridad adjunto.
I: Seguire le avvertenze di sicurezza allegate e tenerle a portata di mano.
P: Ter em atenção o texto de segurança anexo e guard-lo para consulta.
S: Beakta bilagad säkerhetstext och håll den i beredskap.
FIN: Huomioi ja säilytä ohjelset varollukset.
DK: Overhold vedlagte sikkerhedsanvisninger og hav dem liggende i nærheden.

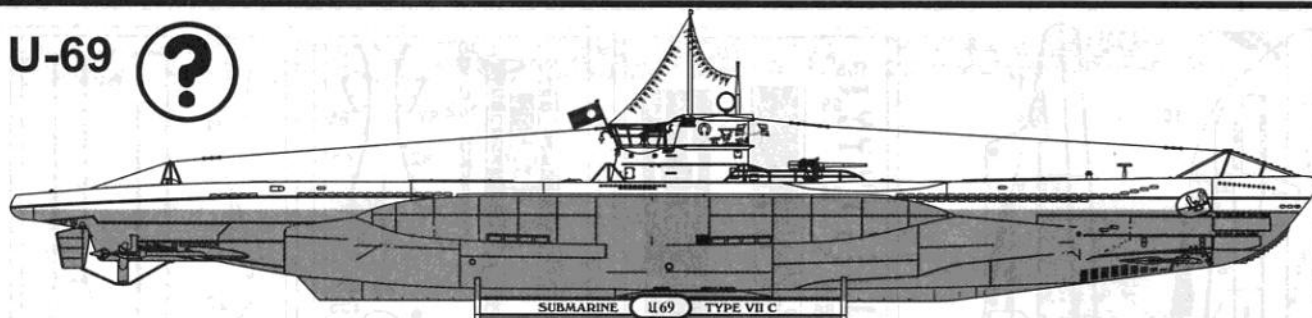
N: Ha alltid vedlagt sikkerhetstekst klar til bruk.
RUS: Соблюдать прилагаемый текст по технике безопасности, хранить его в легко доступном месте.
PL: Stosować się do załączonej karty bezpieczeństwa i mieć ją stale do wglądu.
GR: ποσ έτε τις συνημη νεσ υποδείξεις ασ άλειας και υλάξετε τις τοι ώποτε να τις χ τε παντα σε διαθ ση σας.
TR: Ekteki güvenliik talimatlarını dikkate alıp, bakabileceğiniz bir şekilde muafaza ediniz.
CZ: Dbejte na příložen bezpečnostní text a mŕjte jej pfiipraven na dosah.
H: A mellékelt biztons-gi szöveget vegye figyelembe és tartsa fellapoz-sra készen!
SLO: Prilofena varnostna navodila izvajaite in jih hranite na vsem dostopnem mestu.

Benötigte Farben/Used Colors

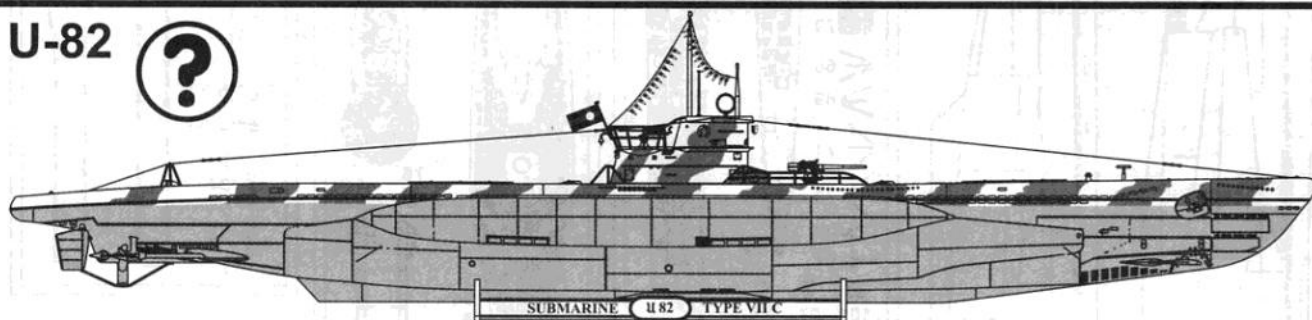
Benötigte Farben Required colours	Peintures nécessaires Benodigde kleuren	Pinturas necesarias Tintas necessárias	Colori necessari Använda färger	Tarvittavat värit Du trenger følgende farger	Nedvendige farver Необходимые краски	Potrzebne kolory Απαιτούμενα χρώματα	Gerekli renkler Potřebné barvy	Szükséges színek Potrebne barve
A grau, matt 57 grey, matt gris, mat grijs, mat gris, mate cinzento, fosco grigio, opaco grå, matt harmaa, himmeä grå, mat grå, matt серый, матовый szary, matowy γκρι, ματ gri, mat šedá, matná szürke, matt siva, mat	B granitgrau, matt 69 granite grey, matt gris granit, mat granitgrijs, mat gris granito, mate cinzento granito, fosco grigio granito, opaco granitgrå, matt granitiharmaa, himmeä granitgrå, mat granitgrå, matt серый гранит, матовый granitowosząry, matowy γκρι γρανίτη, ματ granit grisi, mat žulové šedá, matná gránitszürke, matt granitino siva, mat	C staubgrau, matt 77 dust grey, matt gris poussière, mat stolgrijs, mat ceniciento, mate cinzento de pó, fosco grigio sabbia, opaco dammgrå, matt pölyharmaa, himmeä stavgår, mat stavgår, matt серый пыльный, матовый szary kurz, matowy χρώμα σκόνης, ματ toz grisi, mat prachové šedá, matná porszürke, matt prah siva, mat	D messing, metallic 92 brass, metallic laiton, métallique messing, metallic latón, metalizado latão, metálico ottone, metallico mässing, metallic messinki, metallikiilto messing, metallak messing, metallic латунный, металл mosiadz, metaliczny ορείχαλκου, μεταλλικό pirinç, metalik mosazná, metaliza sárgaréx, metáil mesing, metalik	E silber, metallic 90 silver, metallic argent, métallique zilver, metallic plata, metalizado prata, metálico argento, metallico silver, metallic hopea, metallikiilto salv, metallak salv, metallic серебряный, металл srebro, metaliczny ασμύ, μεταλλικό gümüş, metalik stříbrná, metaliza ezüst, metáil srebrna, metalik	F eisen, metallic 91 steel, metallic coloris fer, métallique ijzerkleurig, metallic ferroso, metalizado ferro, metálico ferro, metallico järnfärg, metallic teräksenvärinen, metallikiilto jern, metallak jern, metallic стальной, металл żelazo, metaliczny σιδηρού, μεταλλικό demir, metalik železná, metaliza vas, metáil železna, metalik	G feuerrot, seidenmatt 330 fiery red, silky-matt rouge feu, satiné mat rood helder, zijdemat rojo fuego, mate seda vermelho vivo, fosco sedoso rosso fuoco, opaco seta eldröd, sidenmatt tulipunainen, silkinhimeä ildröd, silkemat ildröd, silkemat огненно-красный, шелк.-матовый czerwony ognisty, jedwabisto-mat. κόκκινο φωτιάς, μεταξωτό ματ ateş kırmızısı, ipek mat ohnivě červená, hedvábně matná tűzpiros, selyemmatt ogenj rdeča, svila mat		
H geschützgrau, matt 74 gunship grey, matt gris canon, mat gedekt grijs, mat cañón gris, mate cinzento-canhão, mate grigio cannone, opaco kanongrå, matt armeljanharmaa, matla lysegrå, mat kanongrå, matt оружийно-серый, матовый armatni szary, matowy Гкри στρατιωτικό, ματ askeri gri, mat hadihajó szürke, matt olověně šedivá, matná zaščitnosiva, brez leska	I hellgrau, matt 76 light grey, matt gris clair, mat lichtgrijs, mat gris claro, mate cinzento-claro, mate grigio chiaro, opaco ljusgrå, matt vaaleanharmaa, matla lysegrå, mat lysgrå, matt светло-серый, матовый jasnosząry, matowy Гкри ανοιχτό, ματ açık gri, mat világosszürke, matt světle šedivá, matná svetlosiva, brez leska	J laubgrün, seidenmatt 364 leaf green, silky-matt vert feuille, satiné mat bladgroen, zijdemat verde folhaje, mate seda verde gaio, fosco sedoso verde foglia, opaco seta lövgrön, sidenmatt lehdenvihreä, silkinhimeä lavgrøn, silkemat lavgrønn, silkemat лиственно-зеленый, шелк.-матовый zielony liściasty, jedwabisto-matowy πράσινο φυλλωμάτων, μεταξή ματ yaprak yeşili, ipek mat zelená jako listi, hedvábně matná lombzöld, selyemmatt list zelena, svila mat	K schwarz, seidenmatt 302 black, silky-matt noir, satiné mat zwart, zijdemat negro, mate seda preto, fosco sedoso nero, opaco seta svart, sidenmatt musta, silkinhimeä sort, silkemat sort, silkemat черный, шелковисто-матовый czarny, jedwabisto-matowy μαύρο, μεταξωτό ματ siyah, ipek mat černá, hedvábně matná fekete, selyemmatt črna, svila mat	L weiß, matt 5 white, matt blanc, mat wit, mat blanco, mate branco, fosco bianco, opaco vit, matt valkoinen, himmeä hvid, mat hvit, matt белый, матовый biały, matowy λευκό, ματ beyaz, mat bílá, matná fehér, matt bela, mat				



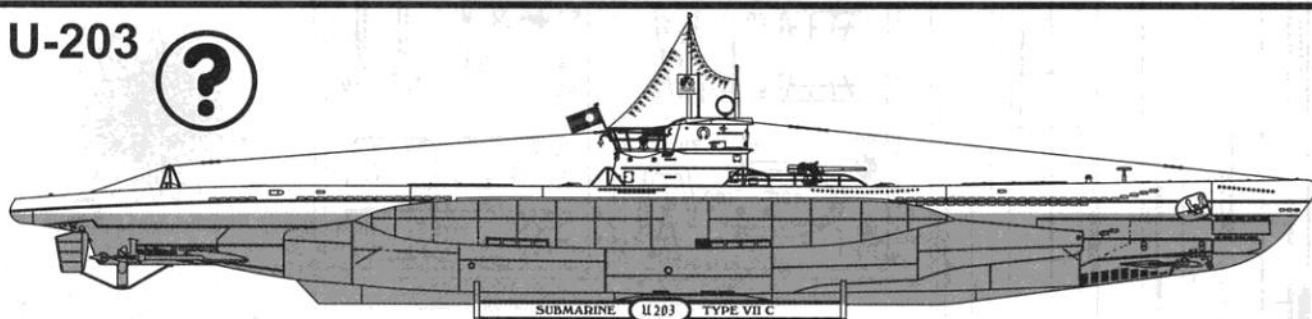
U-69



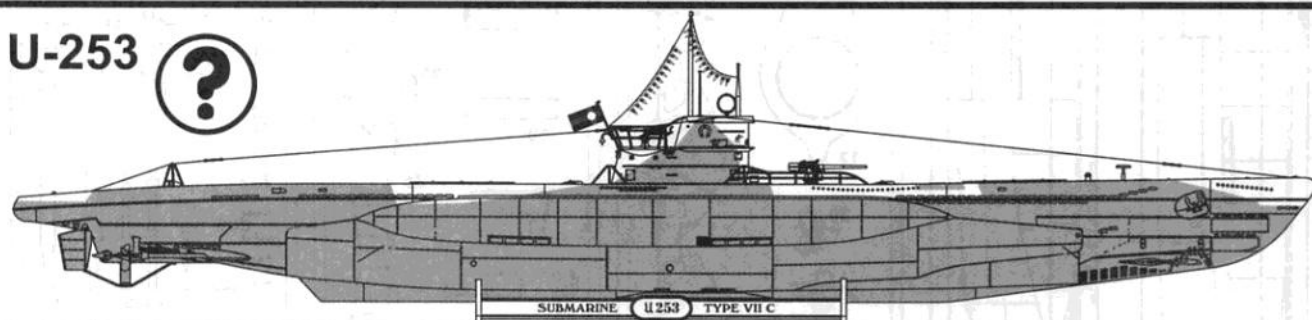
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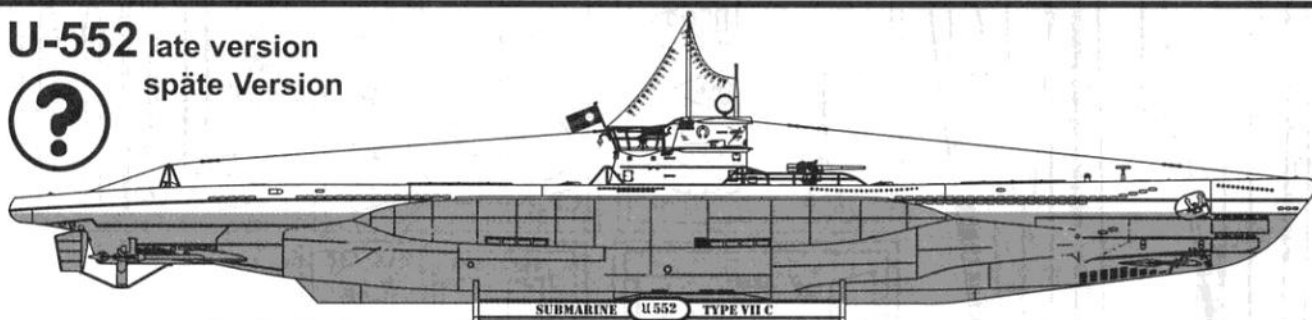
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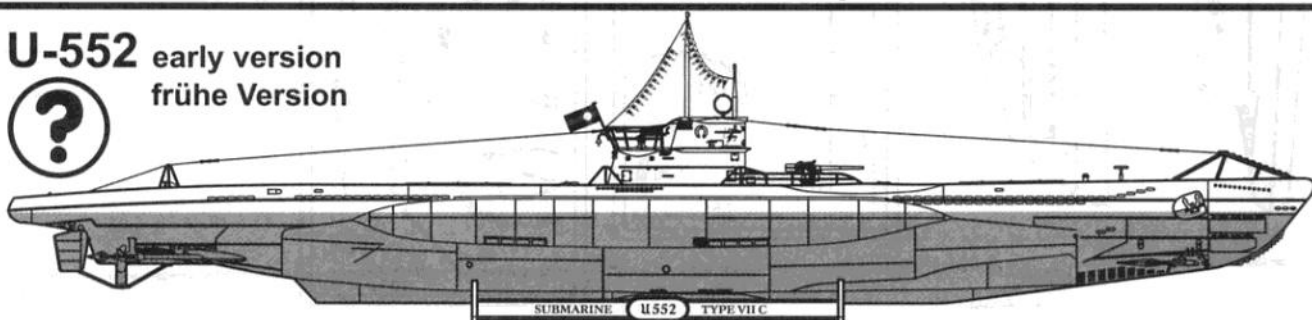
U-253



U-552

late version
späte Version

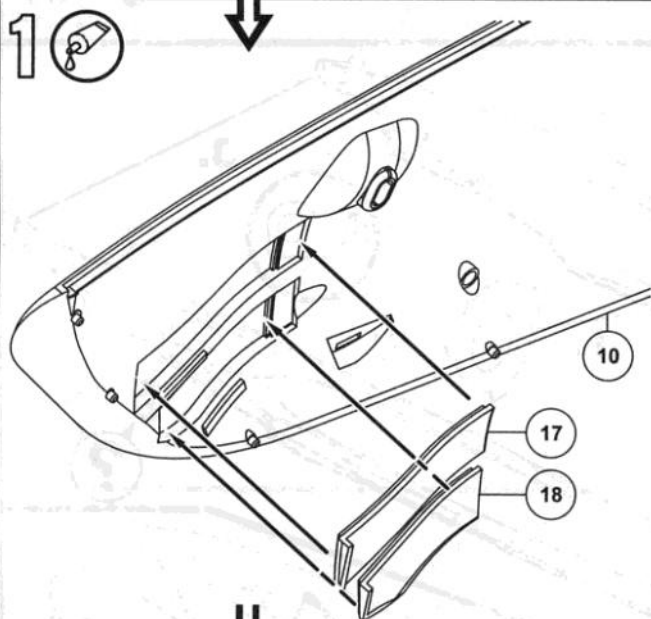
U-552

early version
frühe Version

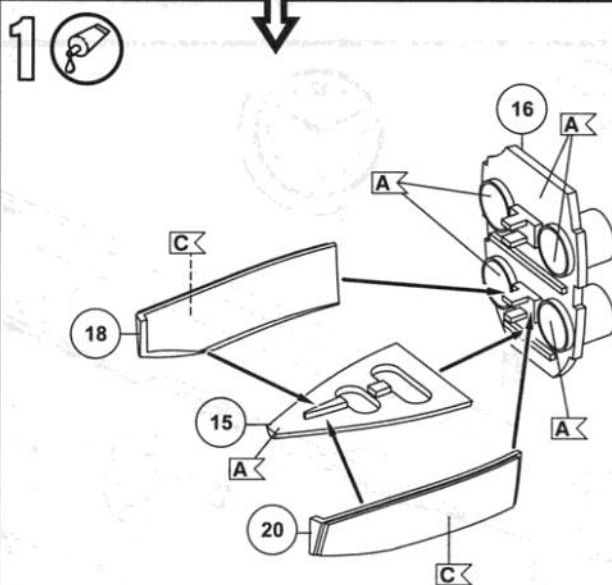
general/all versions / alle Versionen



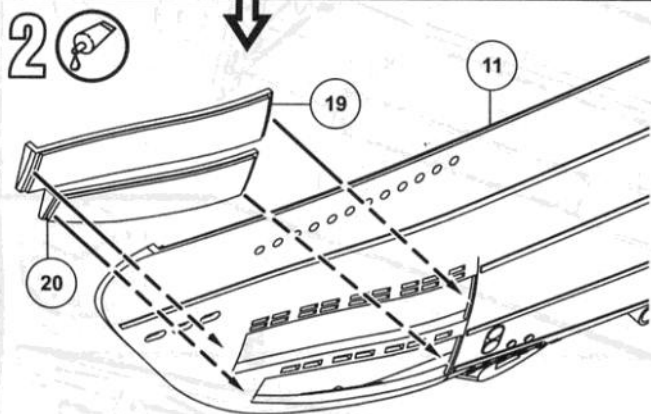
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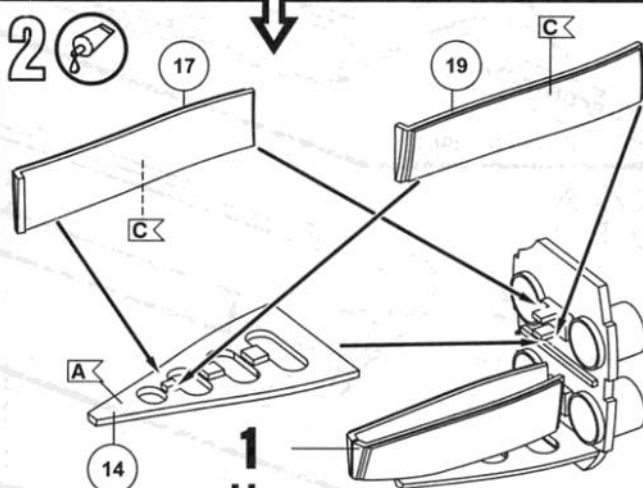
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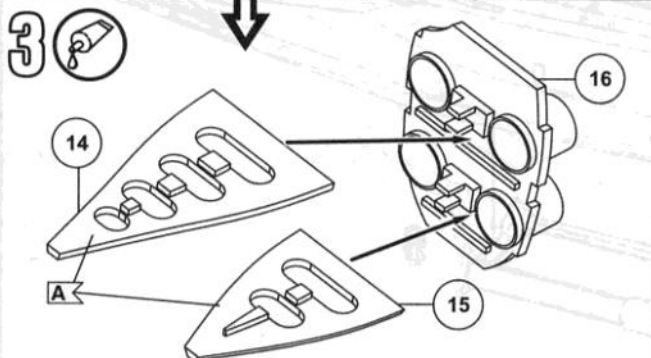
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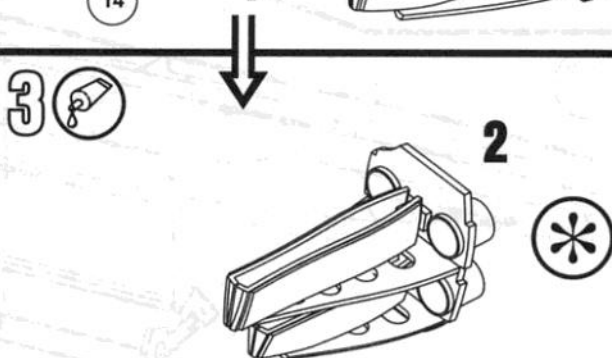
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CONTACTA
(Revell Nr. 39602)

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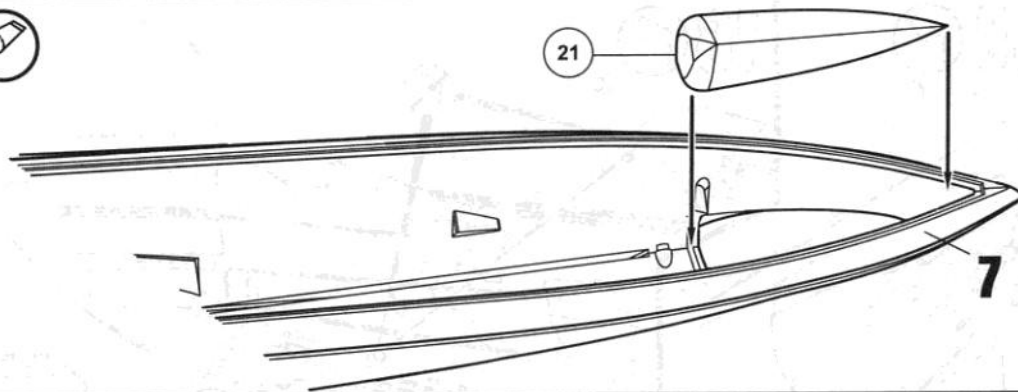
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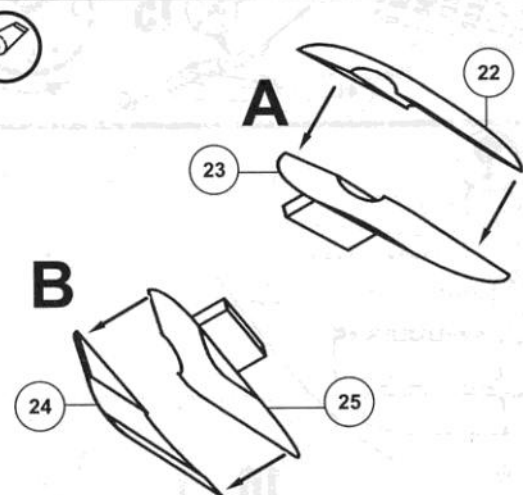
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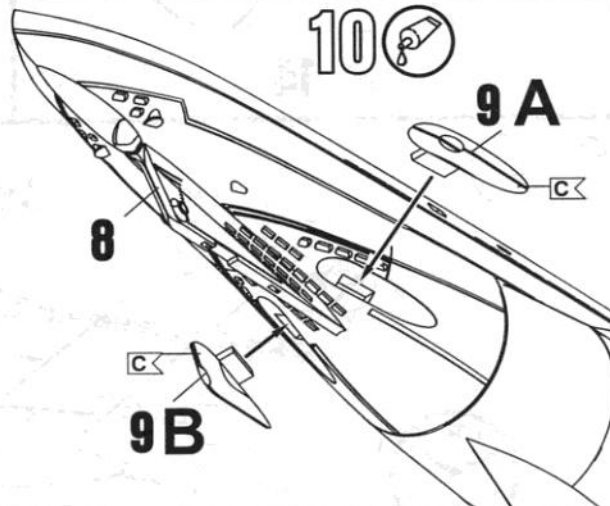
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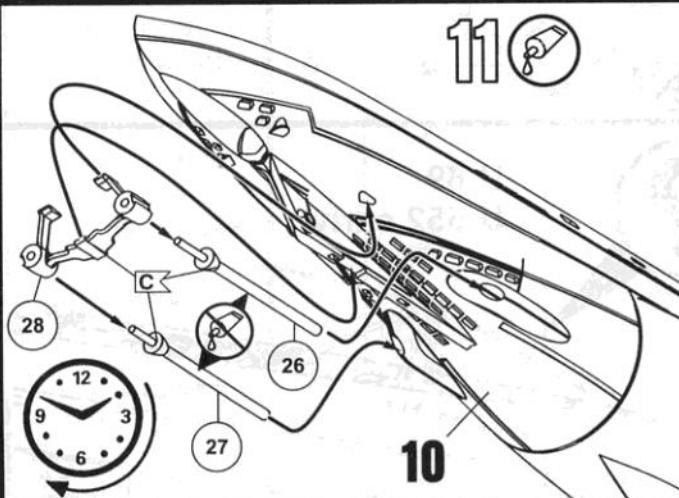
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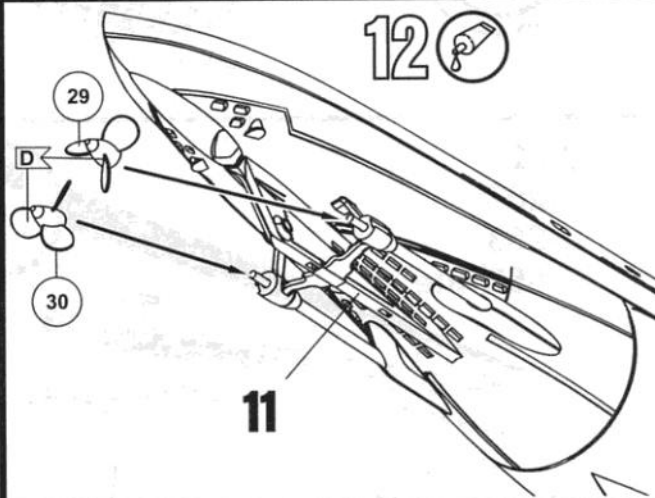
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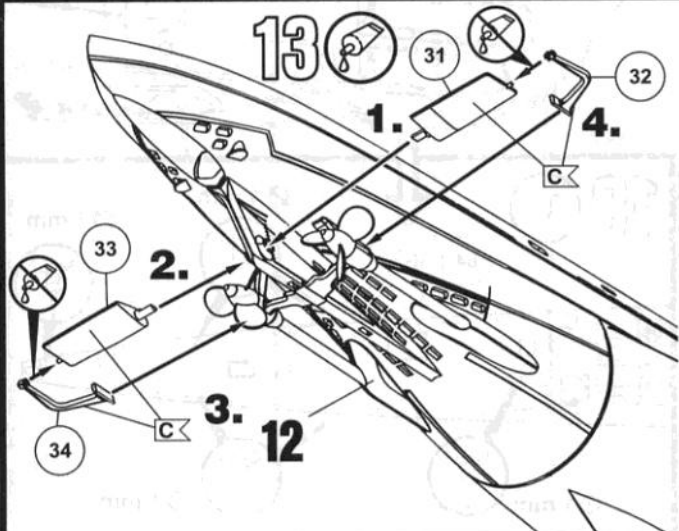
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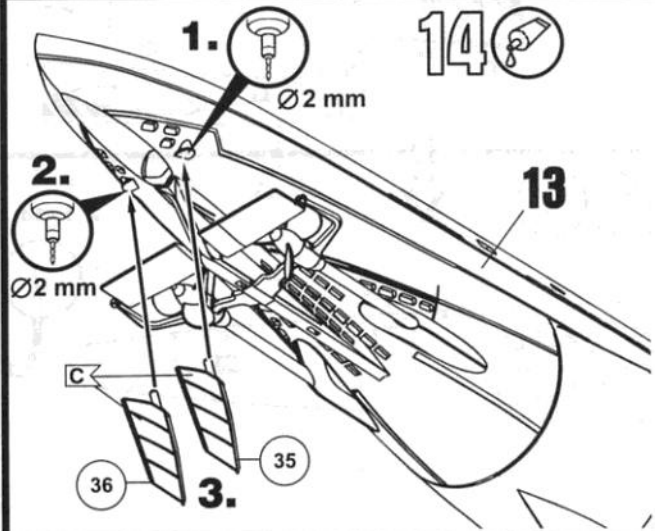
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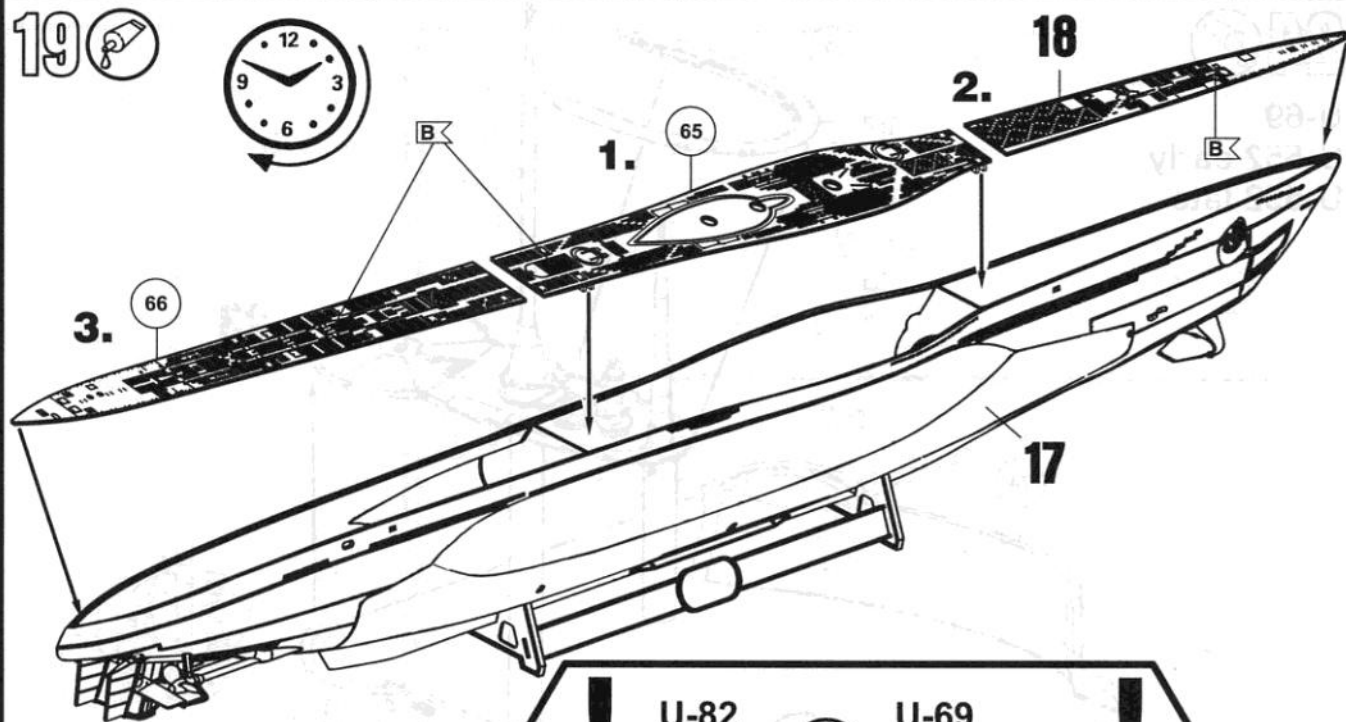
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14



19



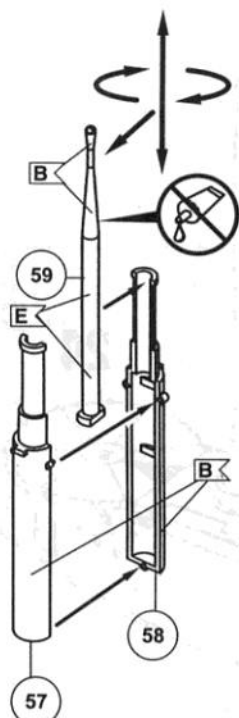
U-82
U-203
U-253



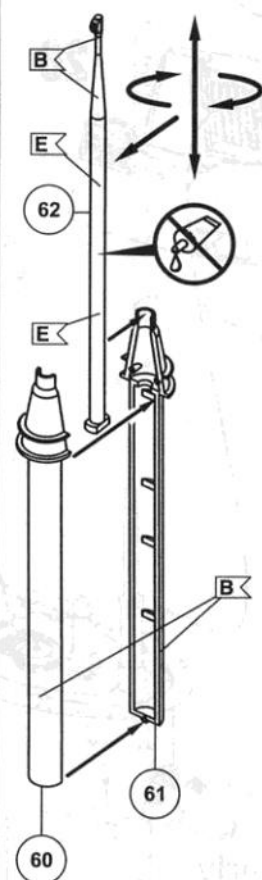
U-69
U-552 early
U-552-late

20

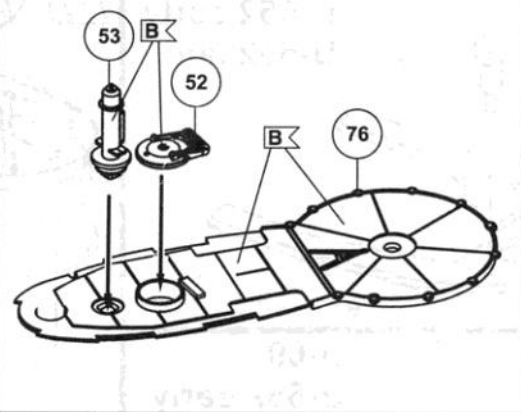
general/
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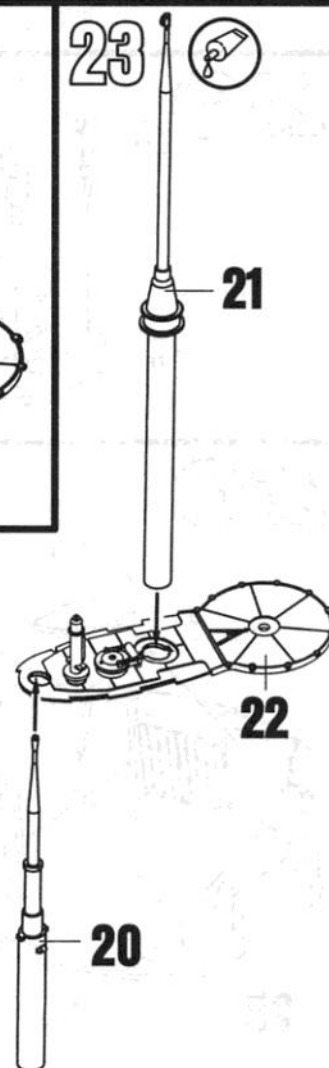
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22



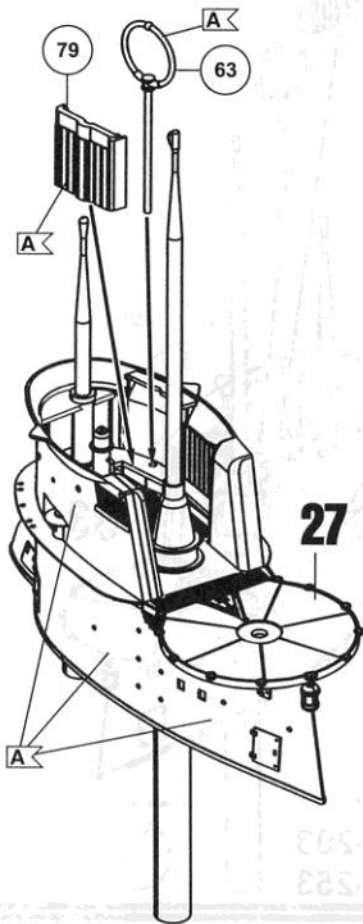
23



U-69
U-552 early $\Rightarrow$ 24
U-552 late

U-82
U-203 $\Rightarrow$ 29
U-253

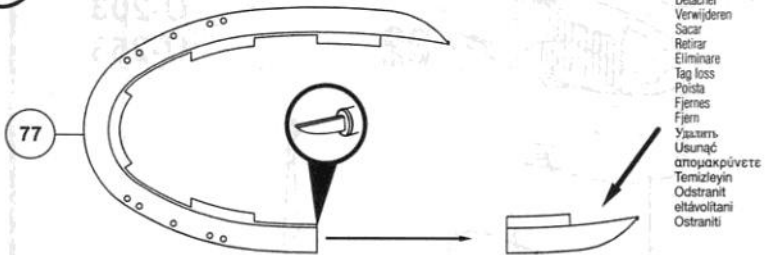
28  U-69
U-552 early
U-552 late



⇒ **35**

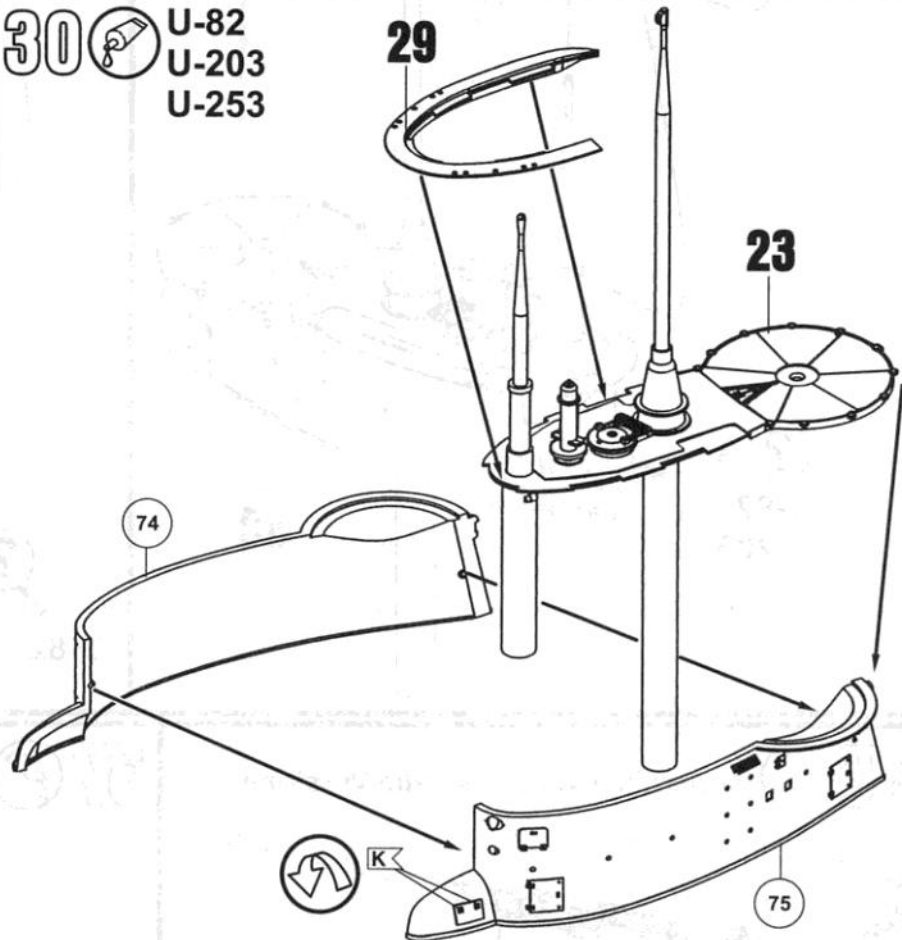
29  U-82
U-203
U-253

(1:1 scale)

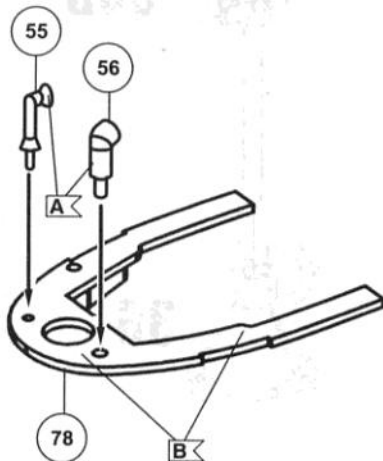


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30  U-82
U-203
U-253

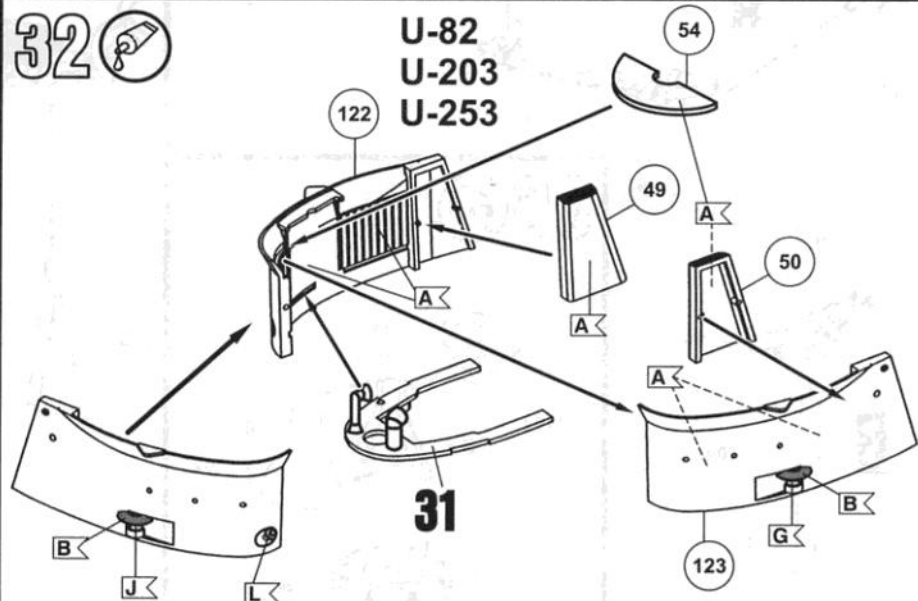


31  U-82
U-203
U-253

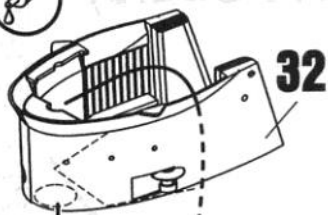


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U-82
U-203
U-253



33



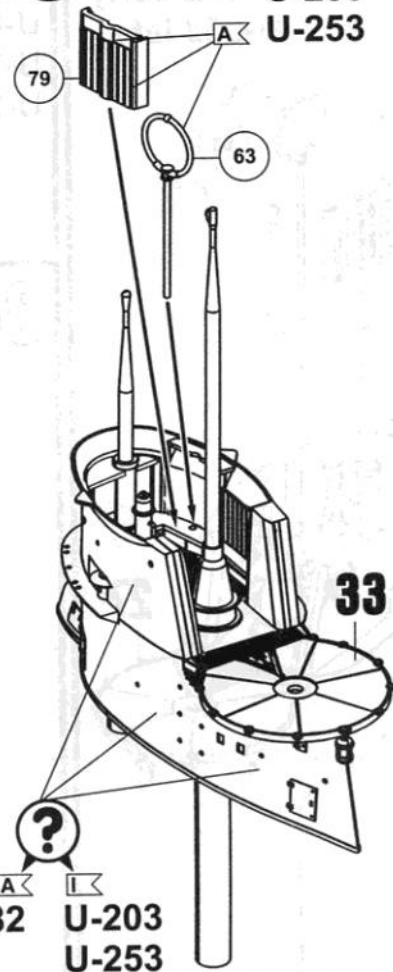
U-82
U-203
U-253

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U-82
U-203

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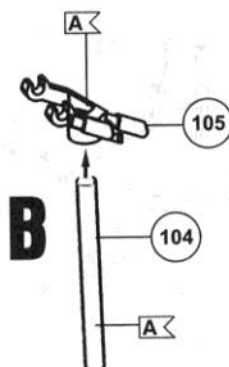
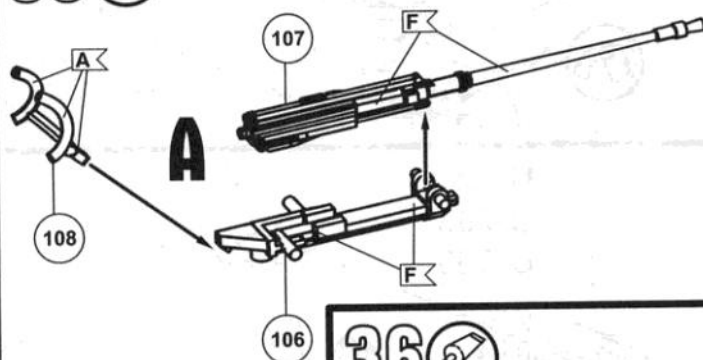
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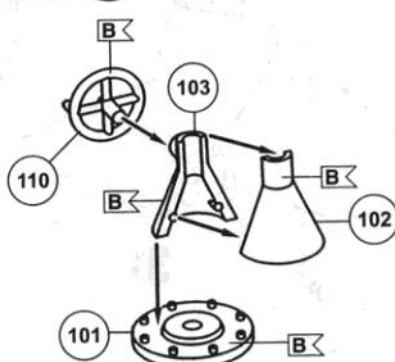
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U-82
U-203
U-253

35

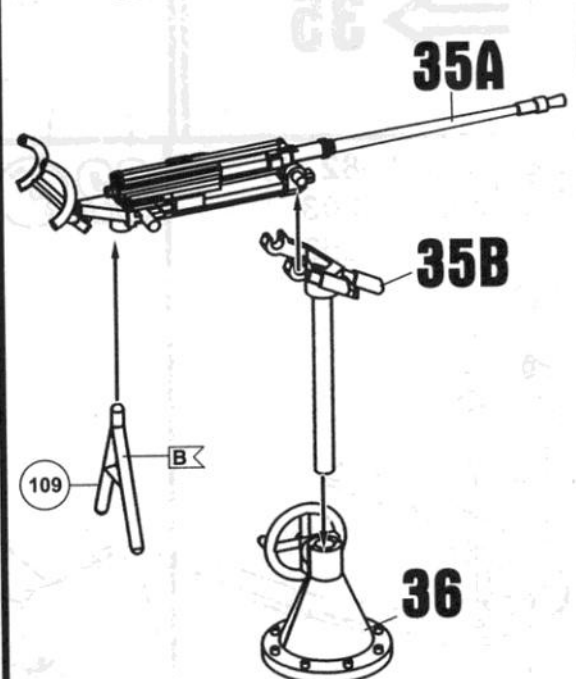
general/all versions / alle Versionen



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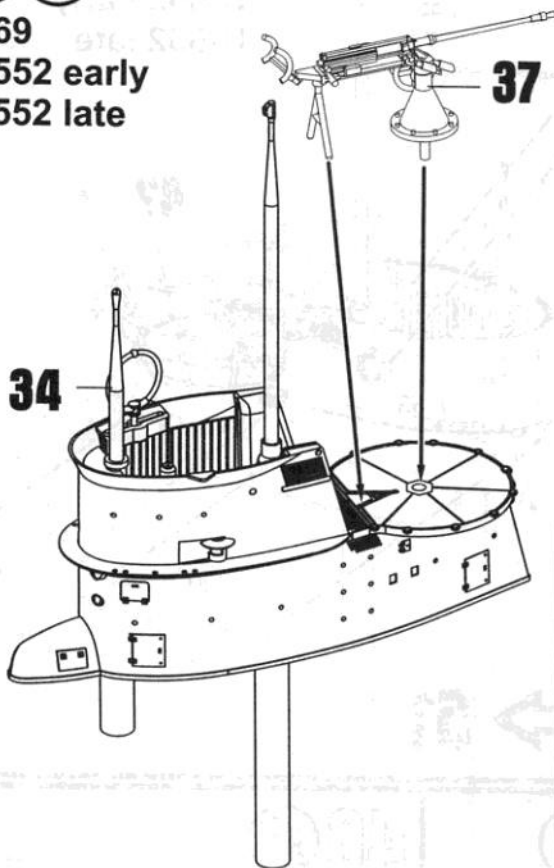


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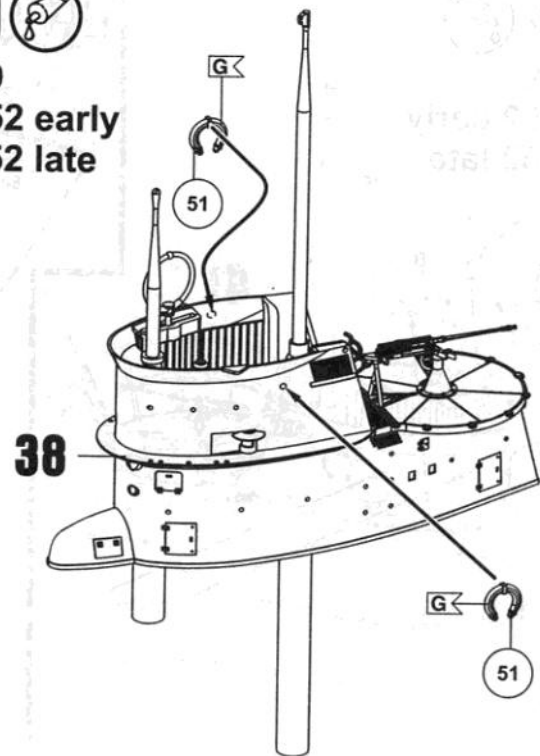


38 

U-69
U-552 early
U-552 late

**39** 

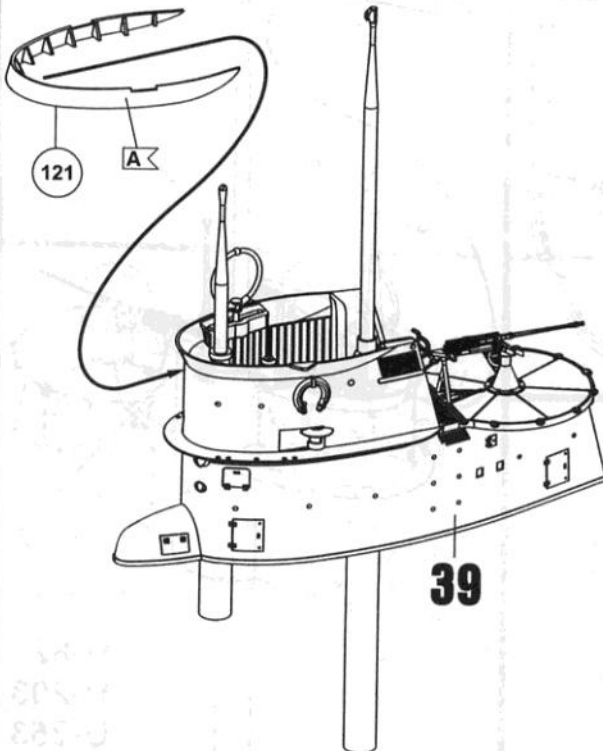
U-69
U-552 early
U-552 late



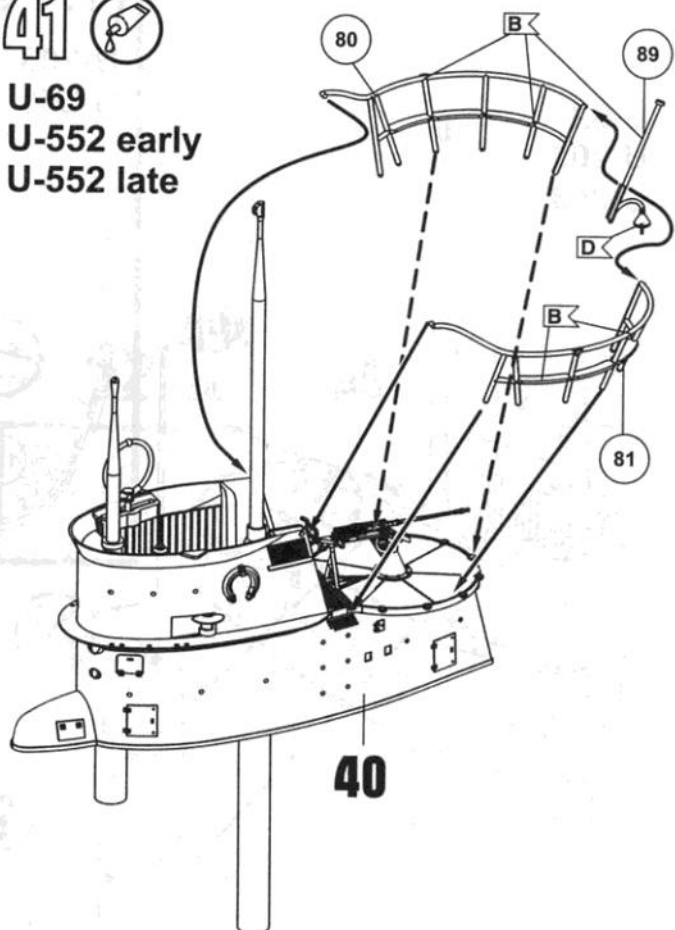
⇒ **40**  **41**

40 

U-69
U-552 late

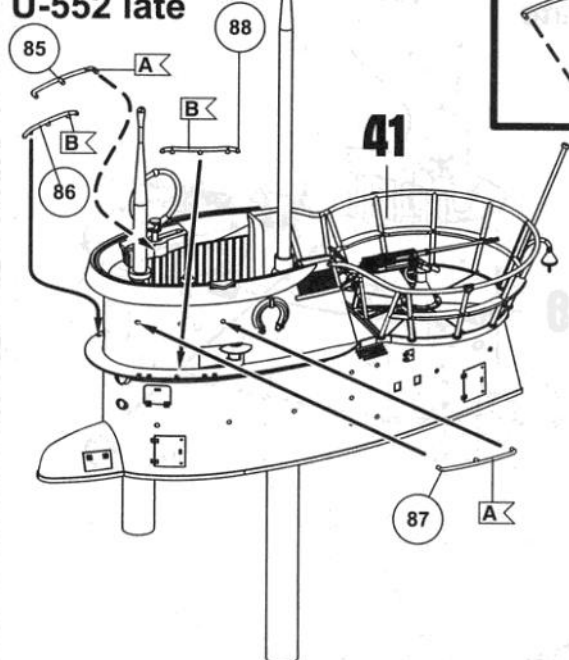
**41** 

U-69
U-552 early
U-552 late

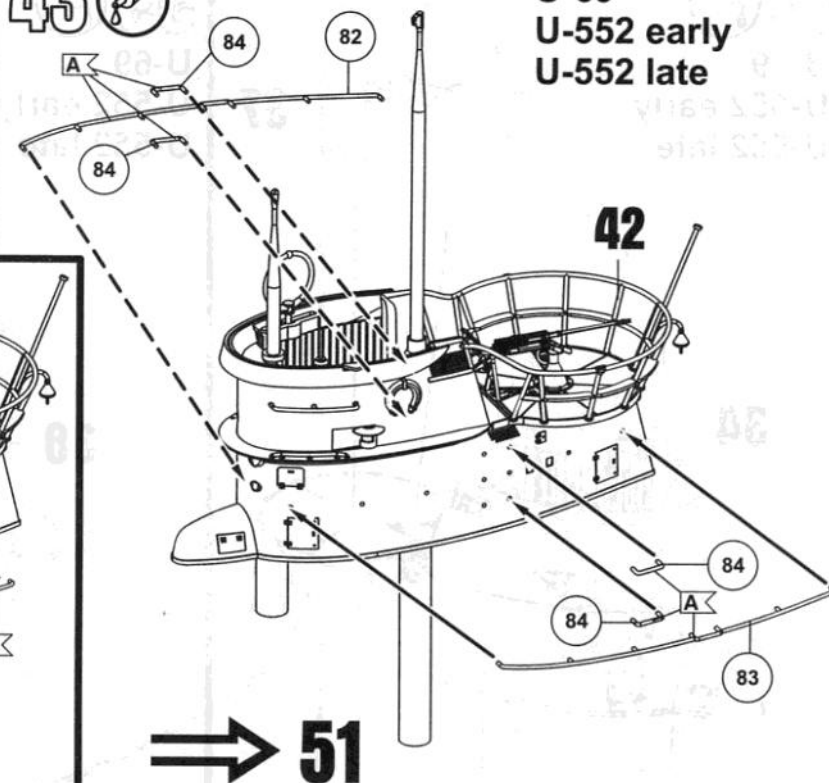


42 

U-69
U-552 early
U-552 late

**43** 

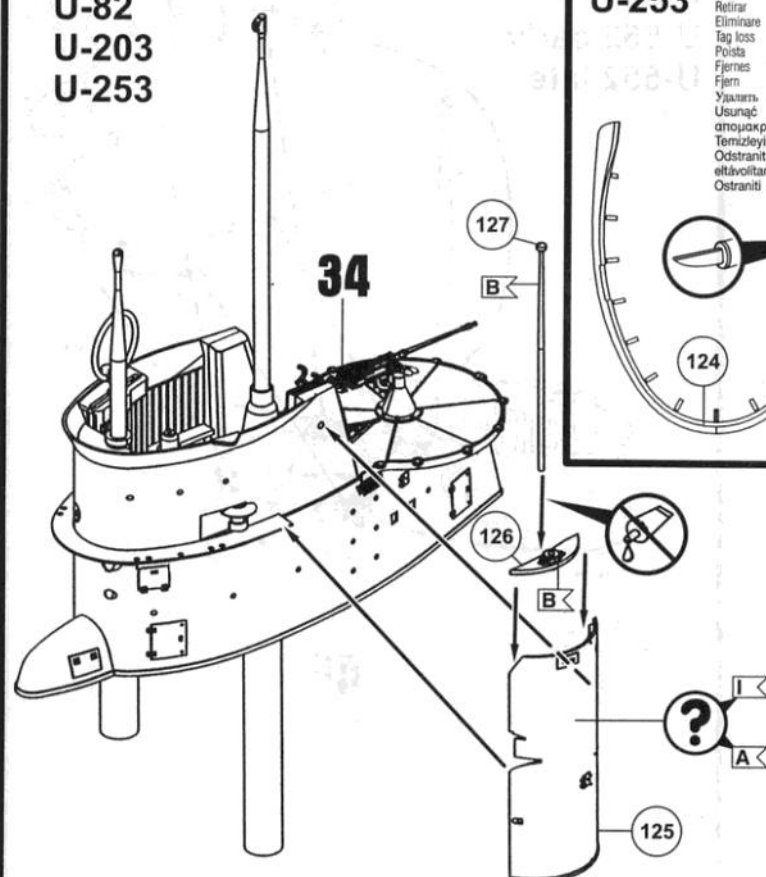
U-69
U-552 early
U-552 late



⇒ **51**

44 

U-82
U-203
U-253

**45** 

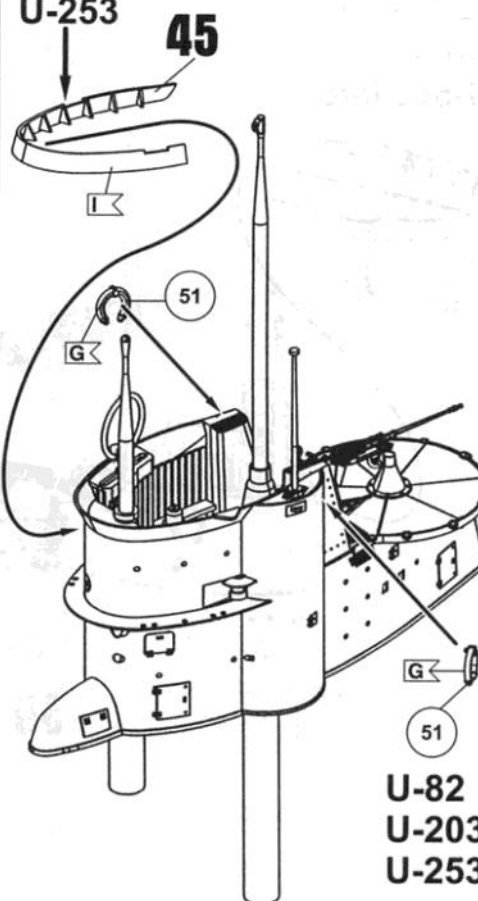
(1:1 scale)

U-203
U-253

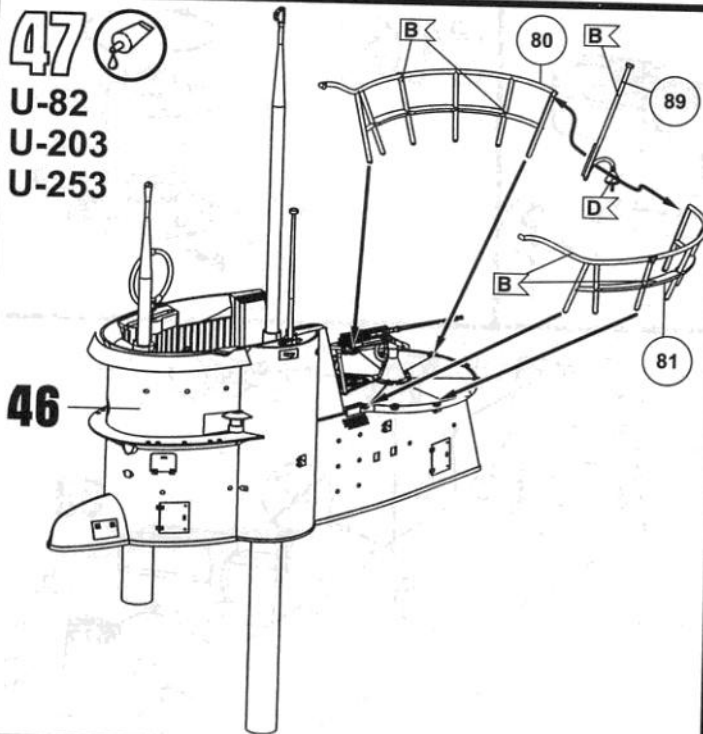
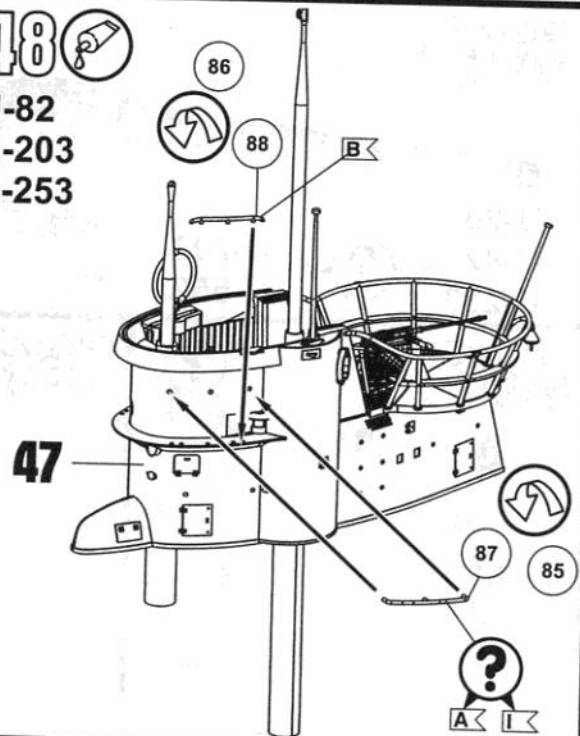
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Ostraniti

**46** 

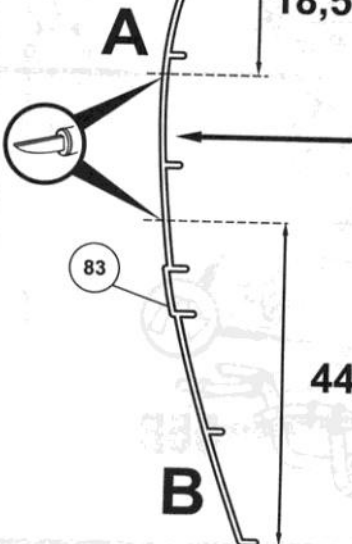
U-203
U-253



U-82
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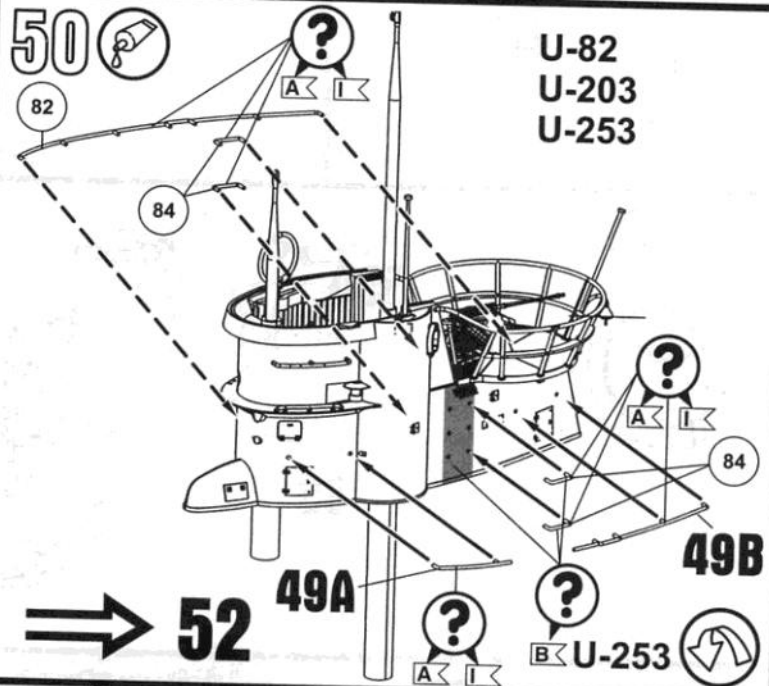
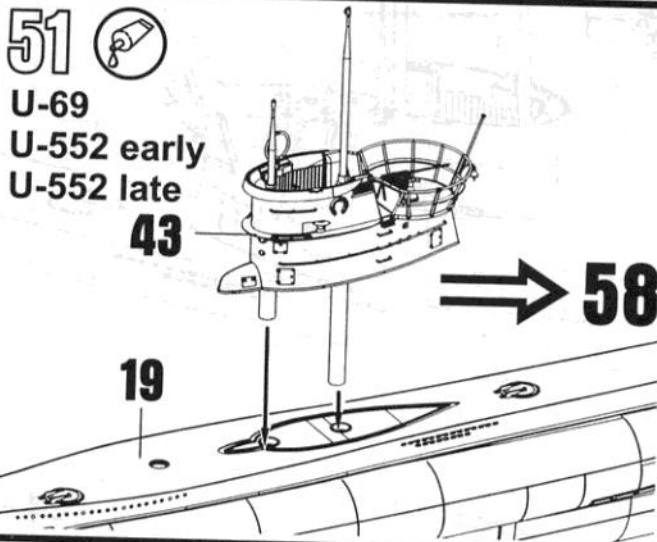
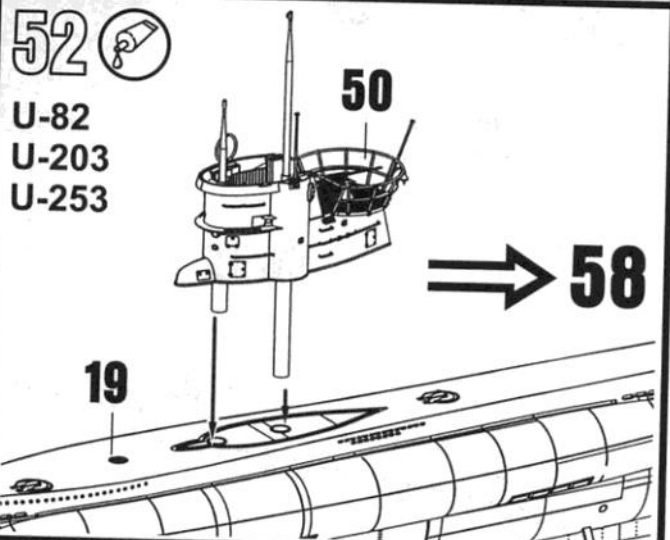
47 U-82
U-203
U-253**48** U-82
U-203
U-253**49** **(1:1 scale)**

18,5 mm

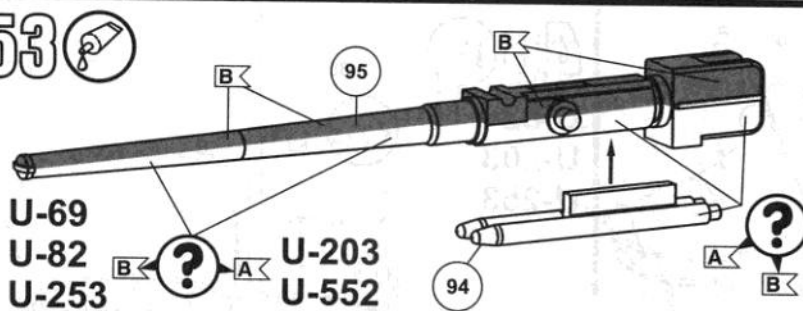


44,5 mm

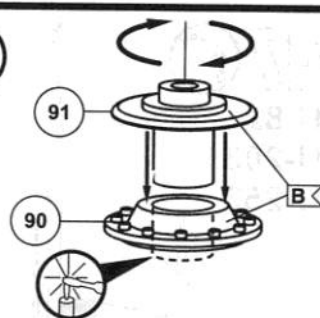
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50 U-82
U-203
U-253**52****51** U-69
U-552 early
U-552 late**43****58****52** U-82
U-203
U-253**58**

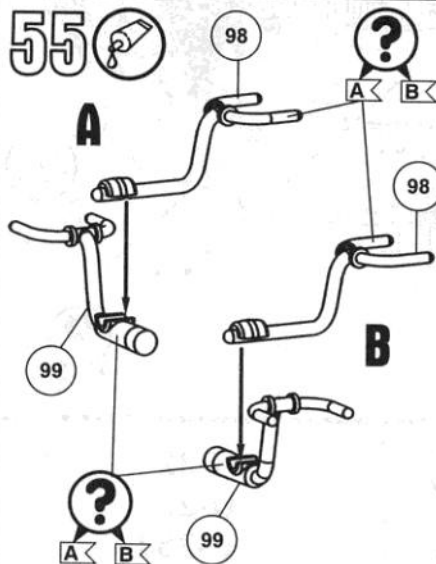
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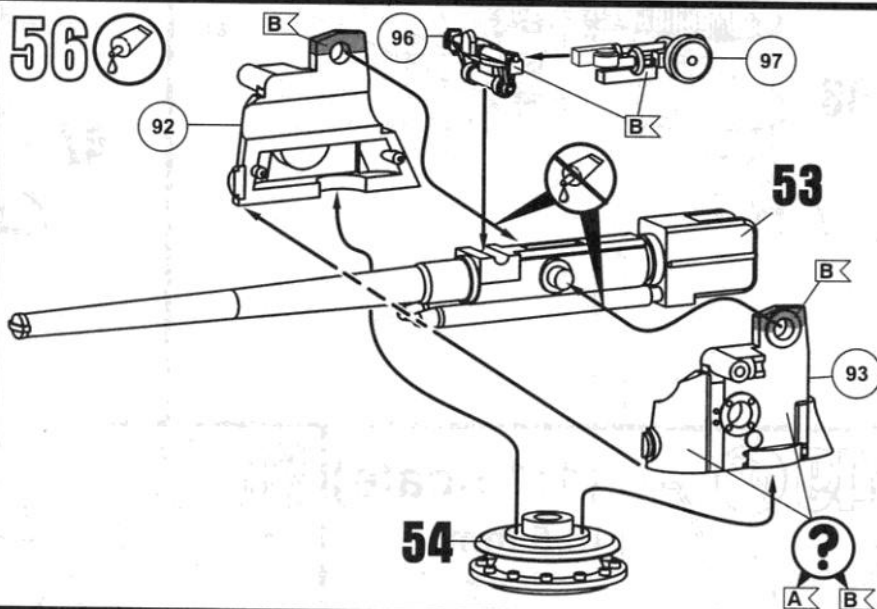
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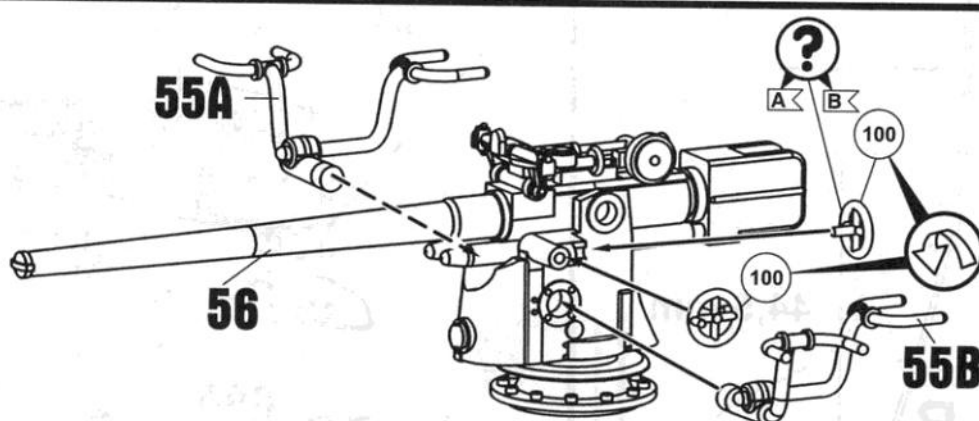
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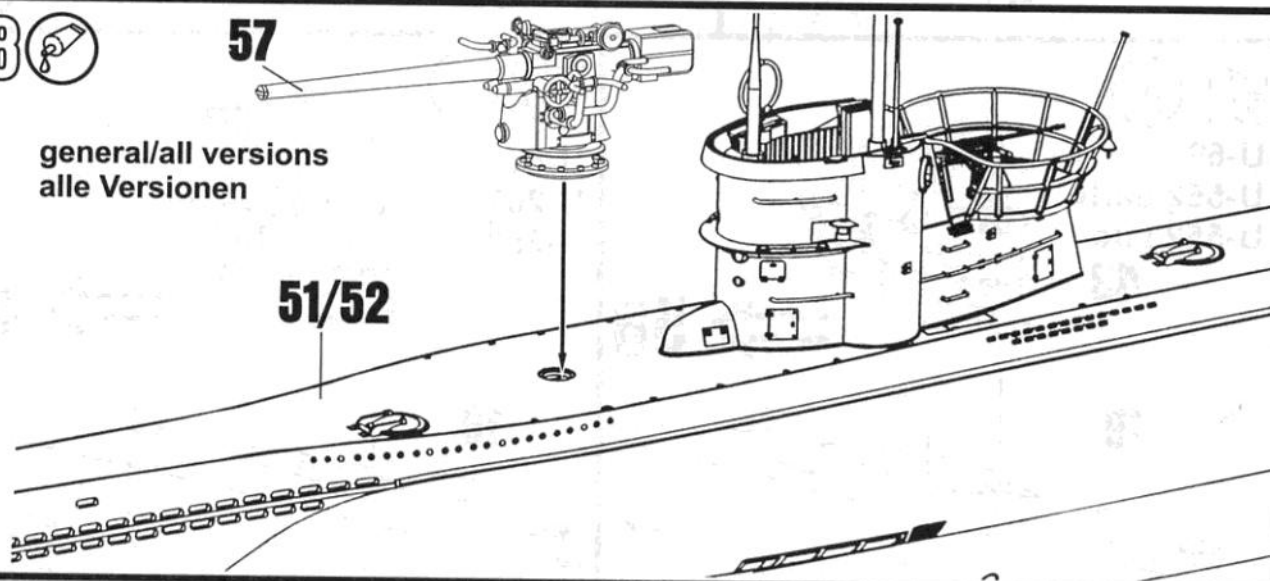


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general/all versions
alle Versionen

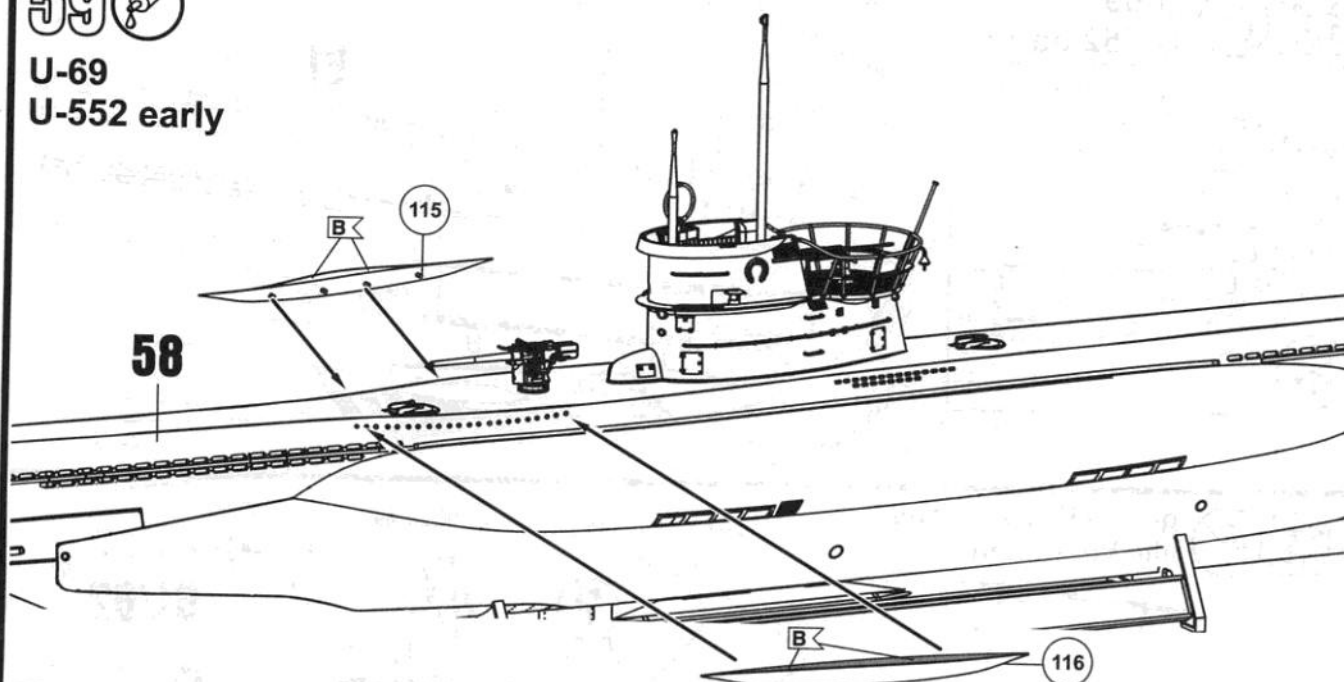
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51/52



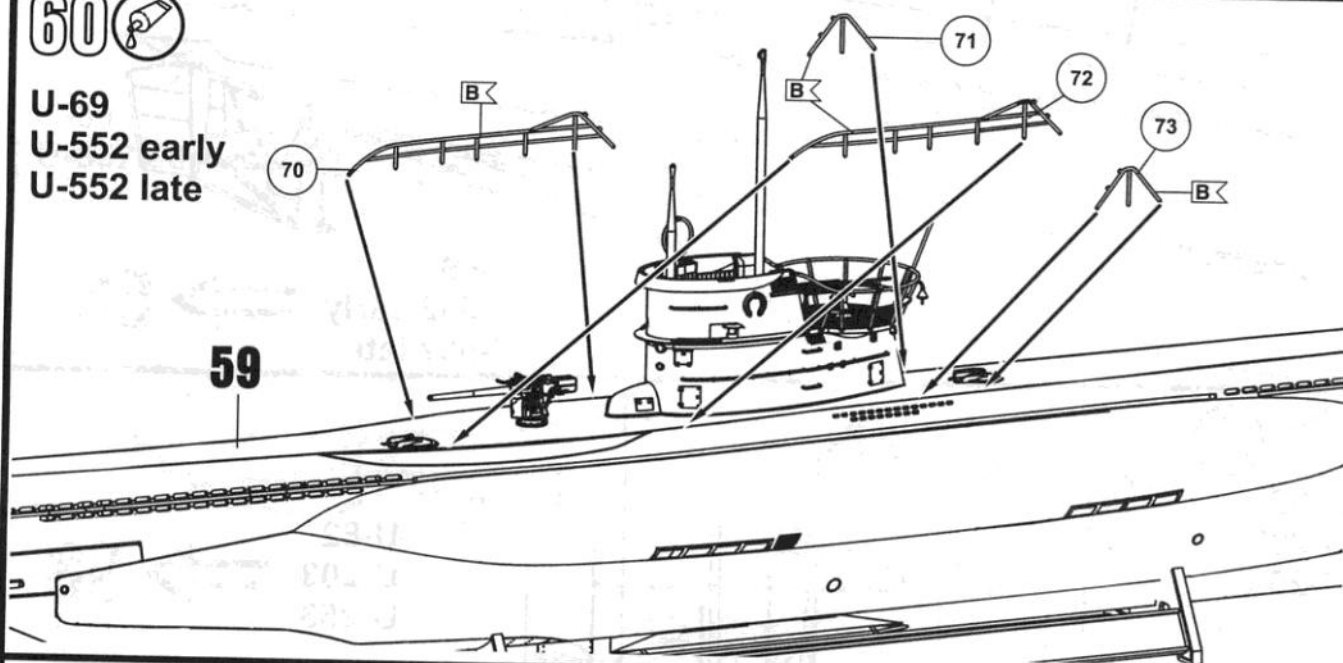
59

U-69
U-552 early



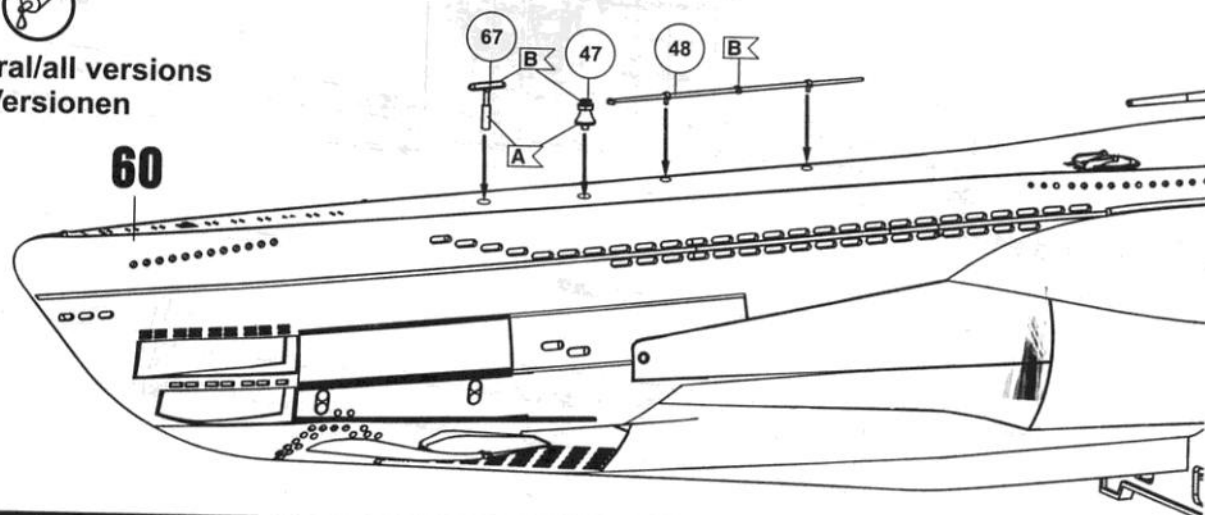
60

U-69
U-552 early
U-552 late



61

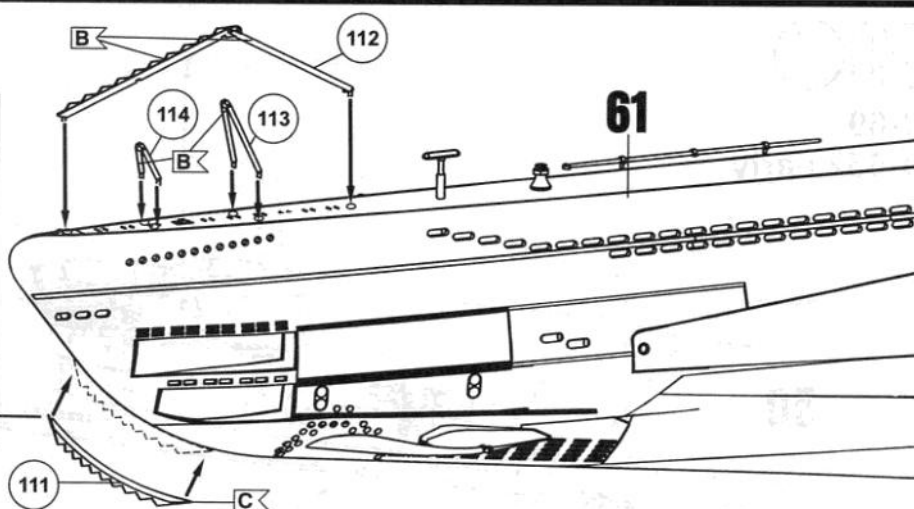
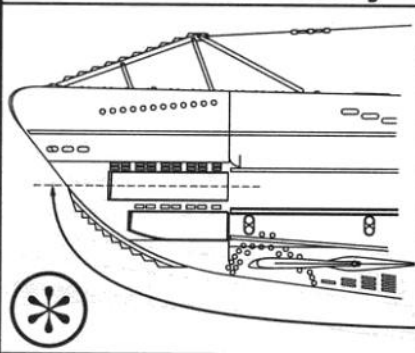
general/all versions
alle Versionen



62



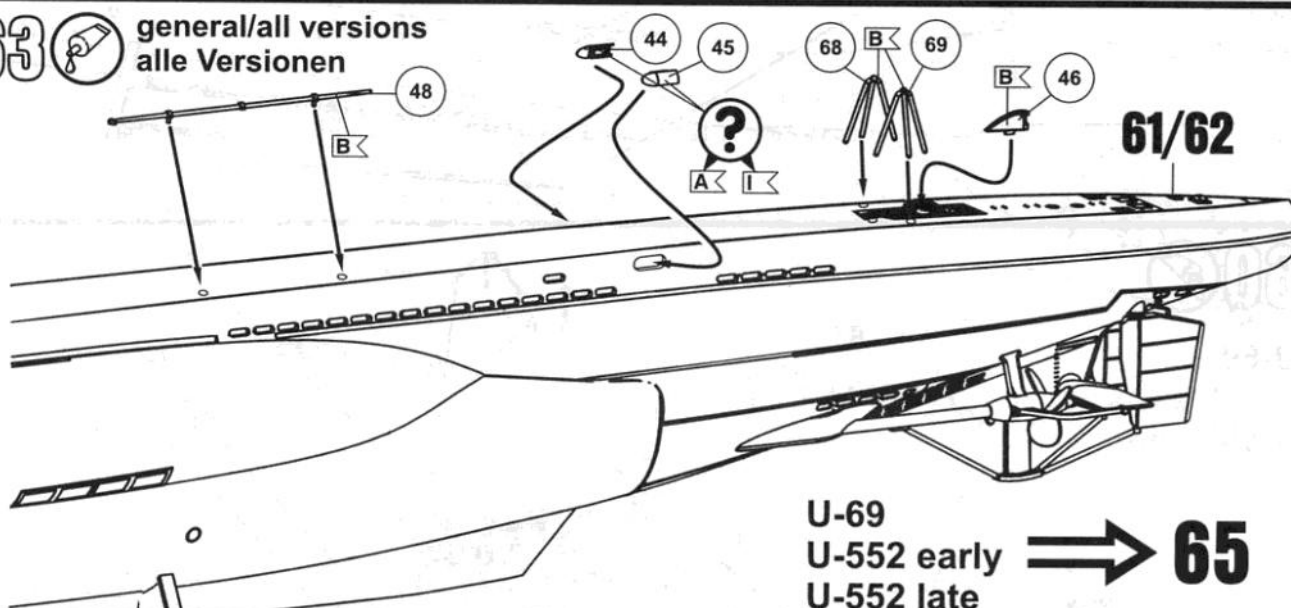
U-69
U-552 early



63



general/all versions
alle Versionen

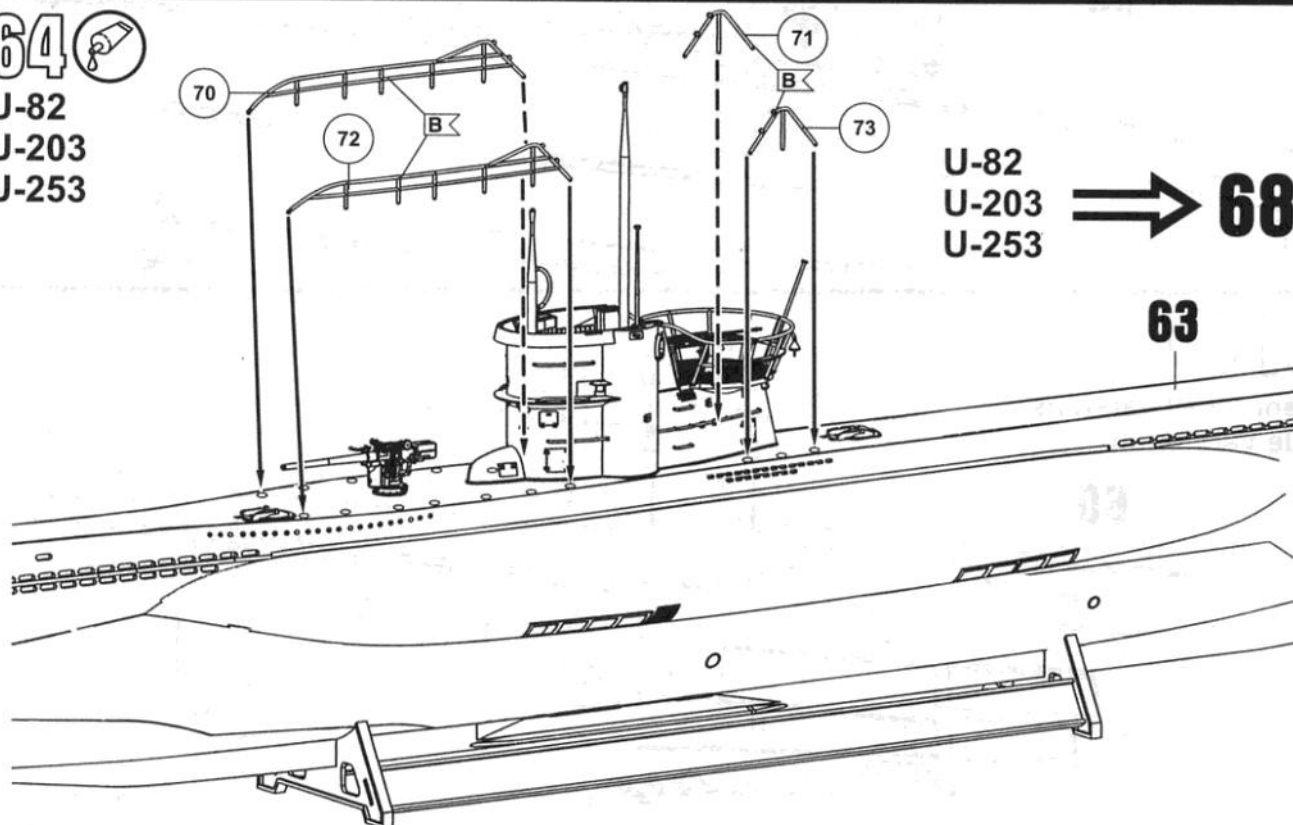


U-69
U-552 early $\Rightarrow$ 65
U-552 late

64



U-82
U-203
U-253



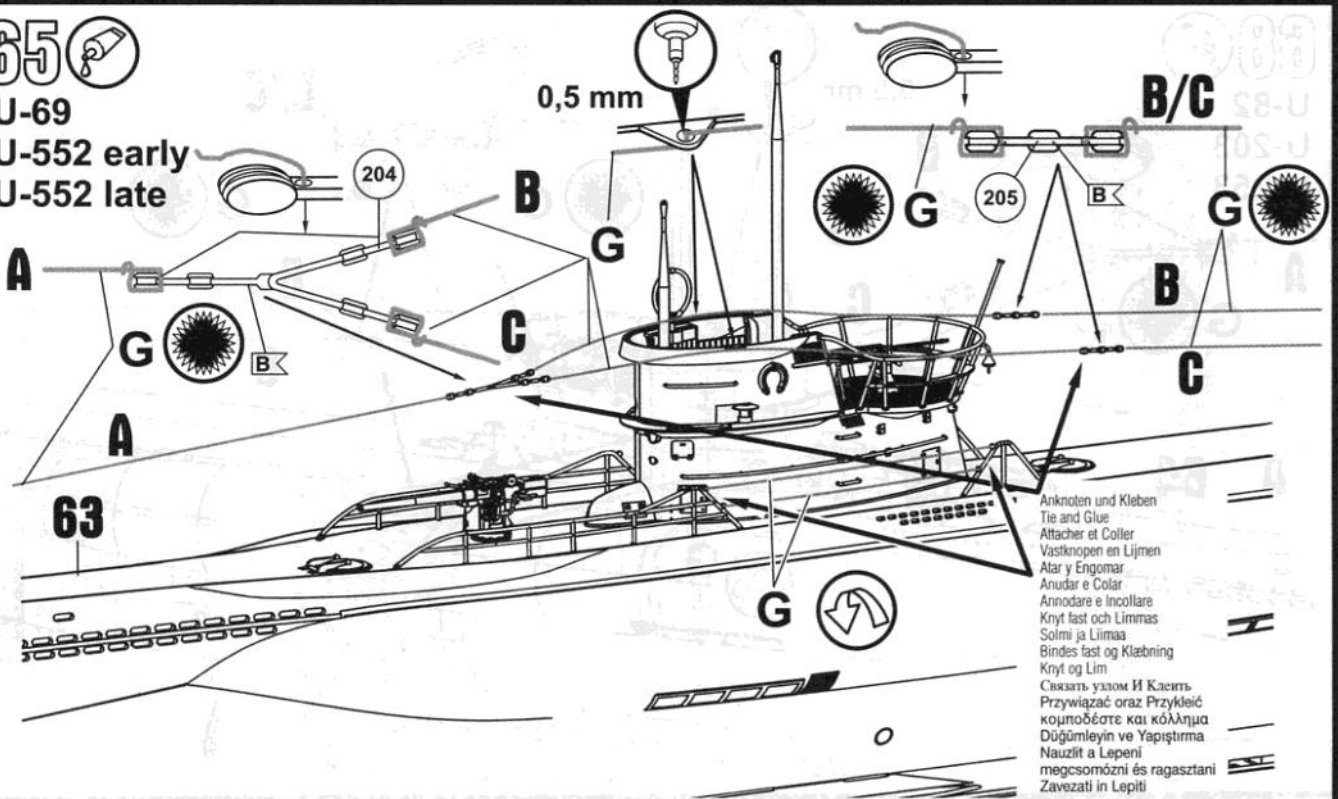
U-82
U-203 $\Rightarrow$ 68
U-253

65

U-69

U-552 early

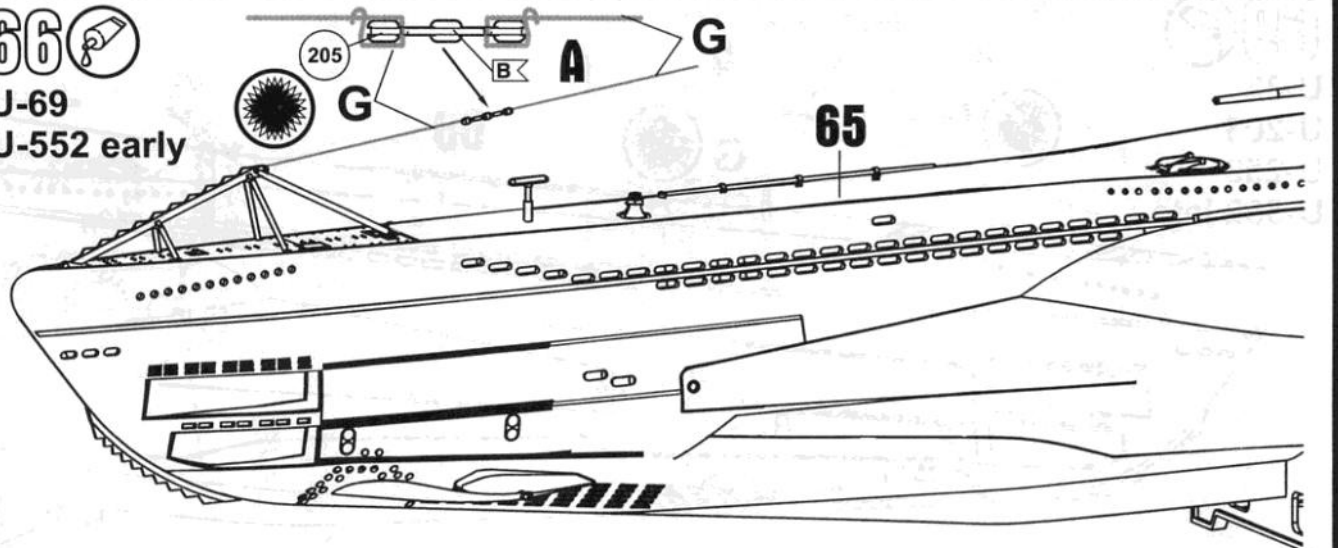
U-552 late



66

U-69

U-552 early

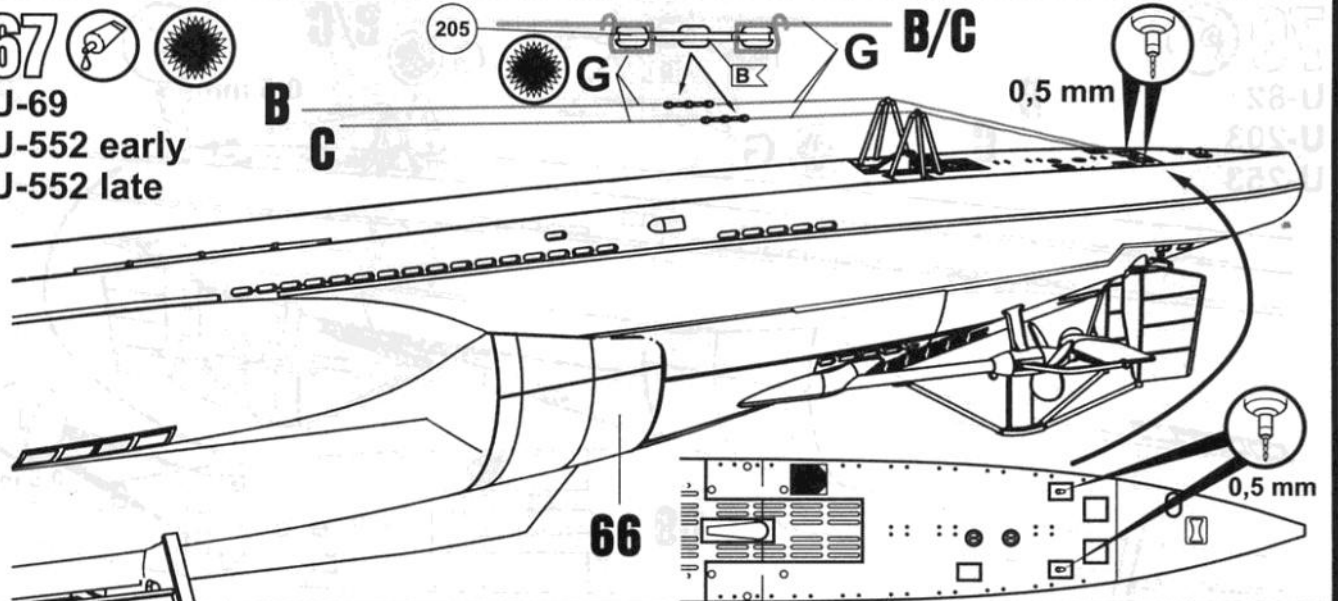


67

U-69

U-552 early

U-552 late



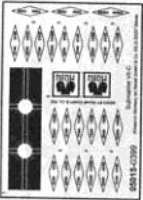
71



U-69

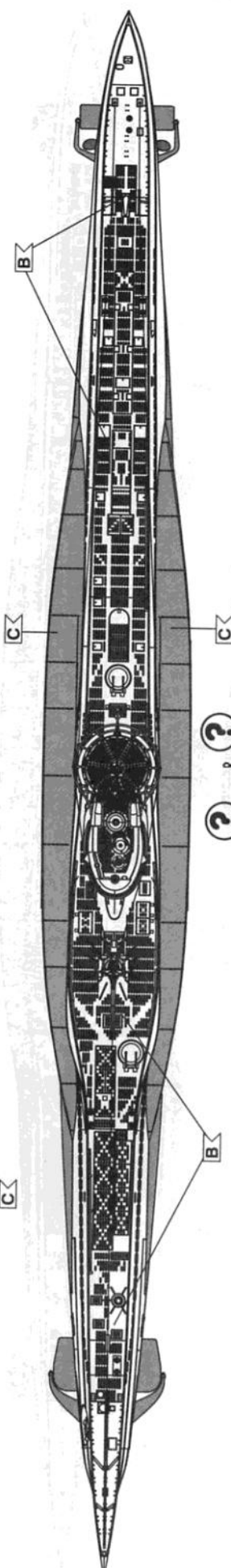
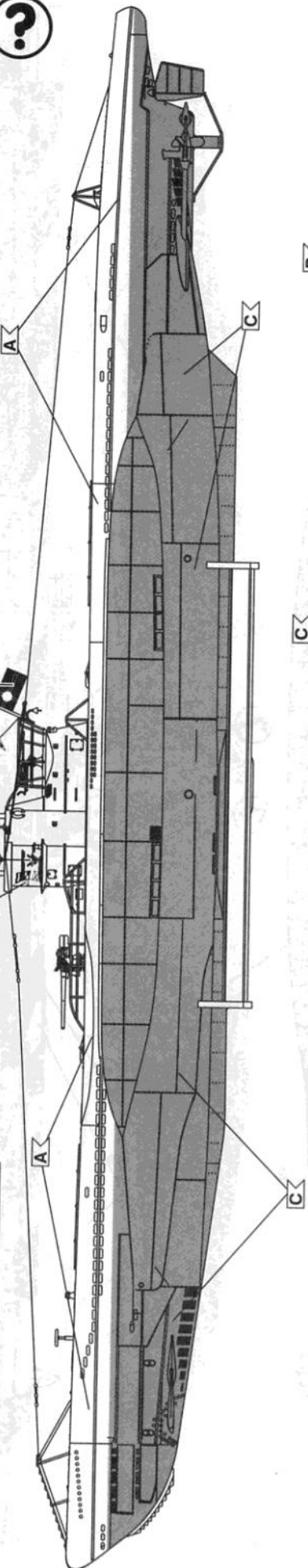


B

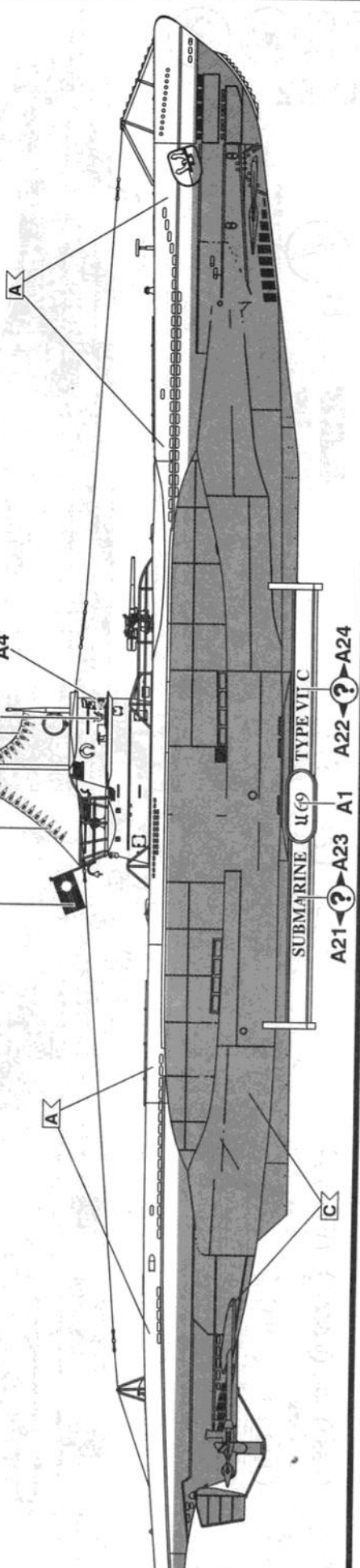


U 69	U 552	U 552	U 552	U 203
U 82	U 82	U 253	U 253	U 253
SUBMARINE TYPE VII C				
U-BOOT TYP VII C				

A4
A3
B3
B1
B3
B3
B3



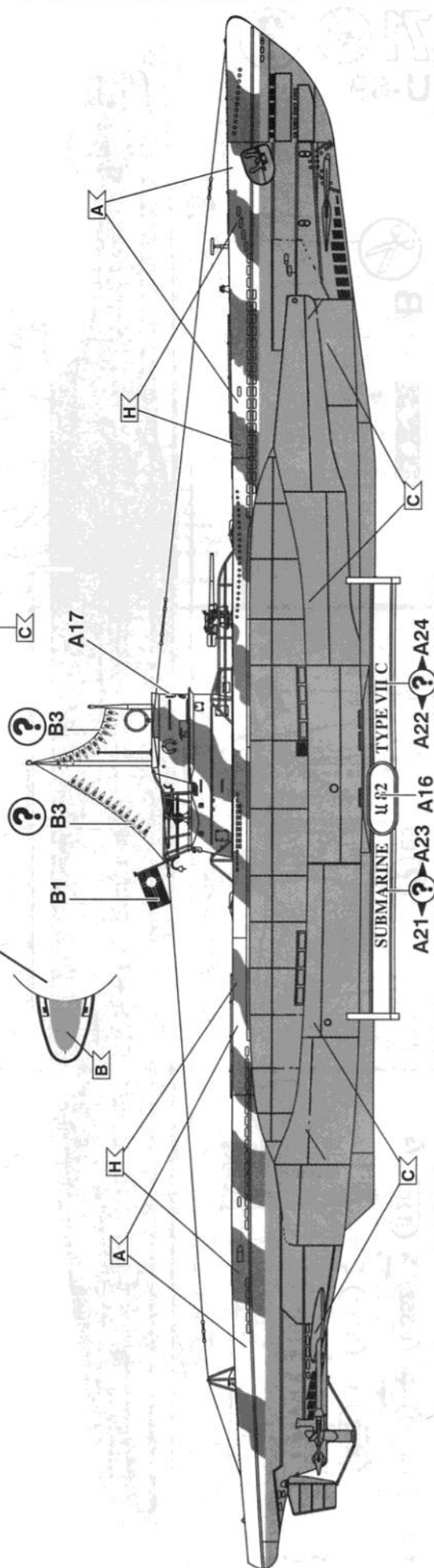
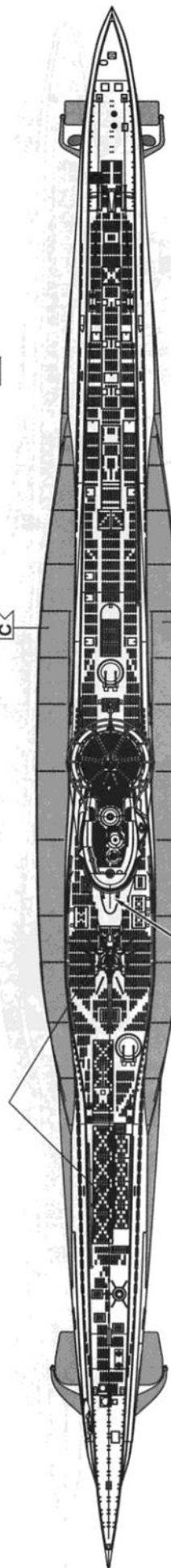
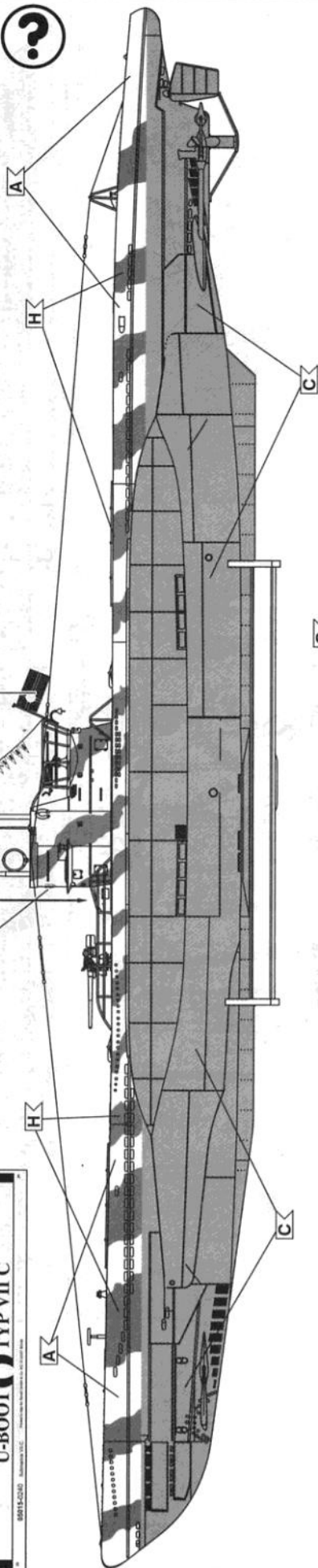
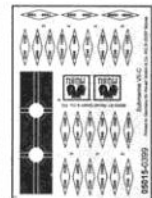
B1
B3
B3
B3
A2
A4
B3
B3
B3



SUBMARINE U 69 TYPE VII C
A21 A23 A1 A22 A24

72 ?

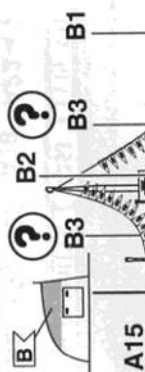
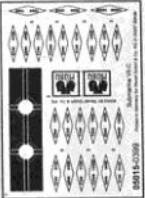
U-82



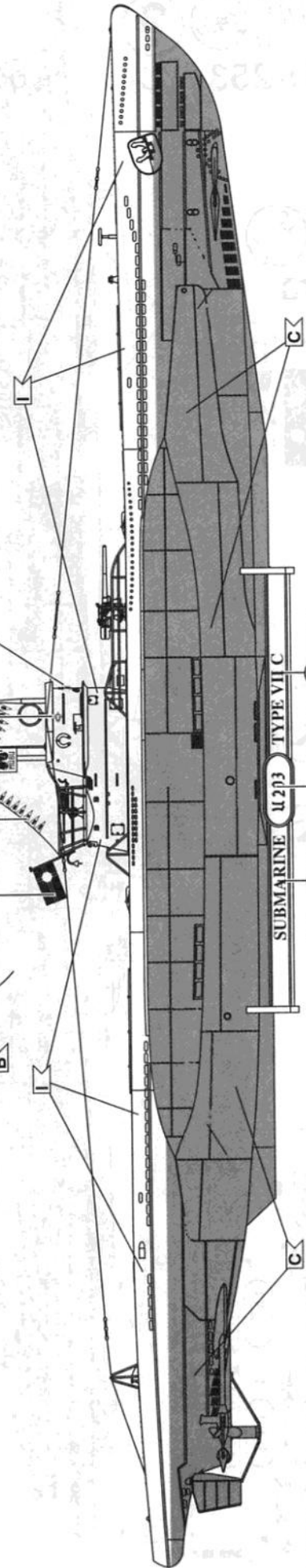
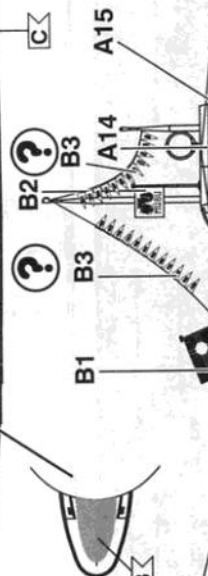
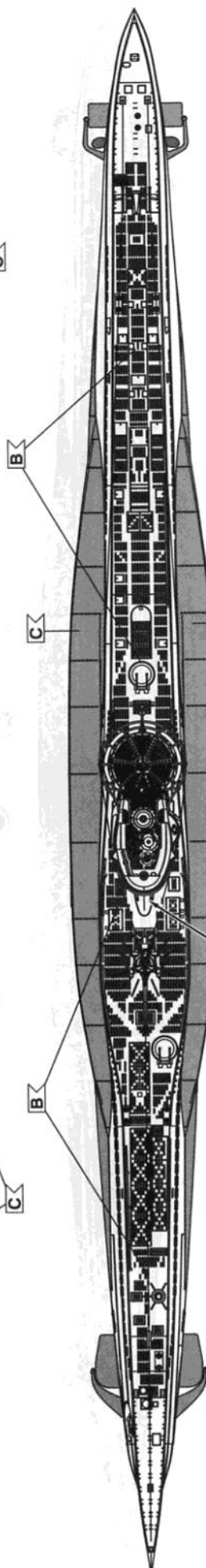
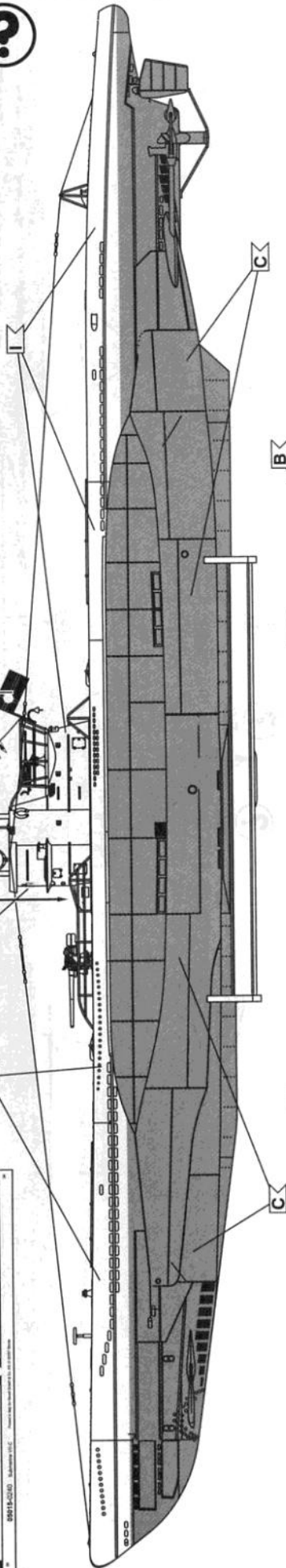
73  
U-203



B



A



SUBMARINE U203 TYPE VII C
A21-? A23 A13 A22-? A24

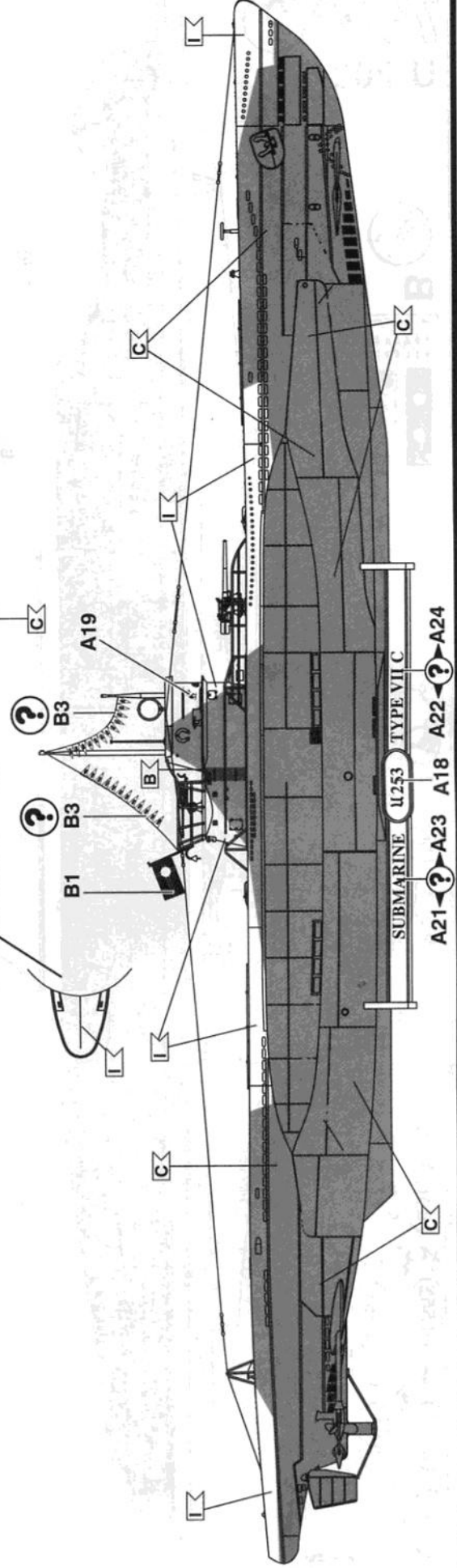
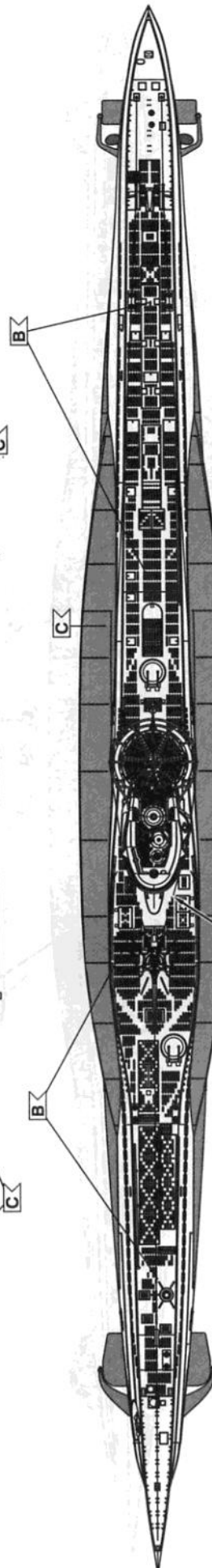
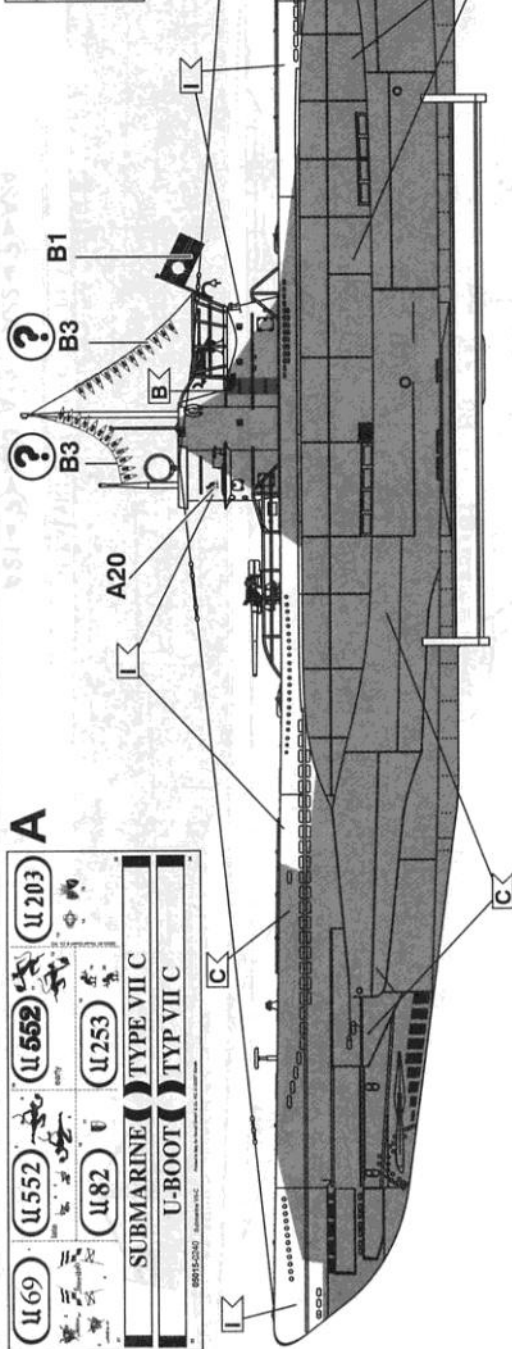
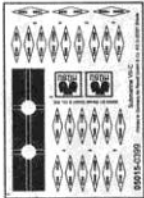
74



U-253



B



A



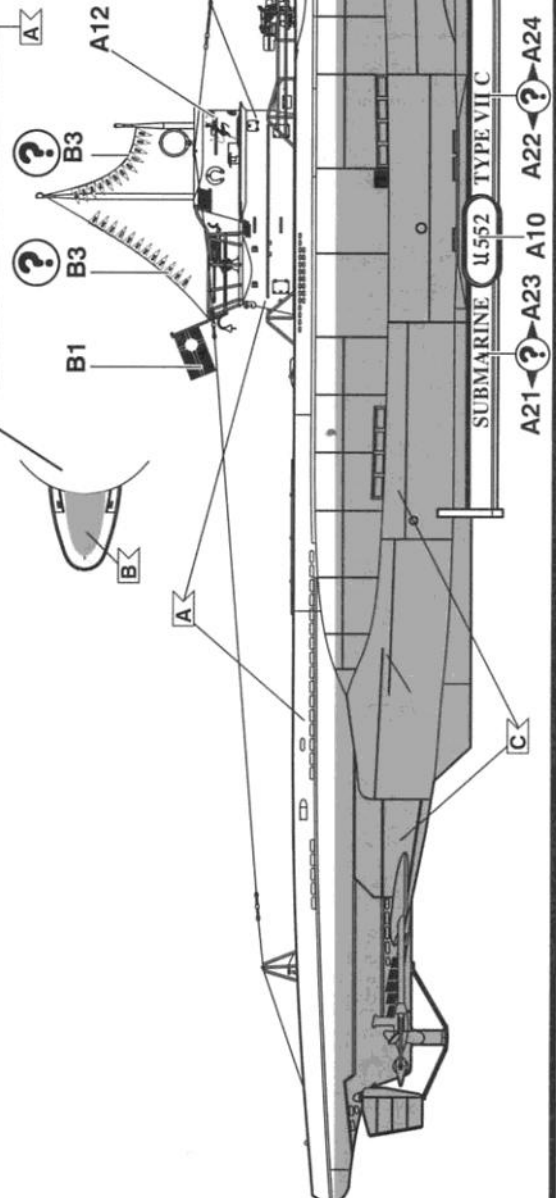
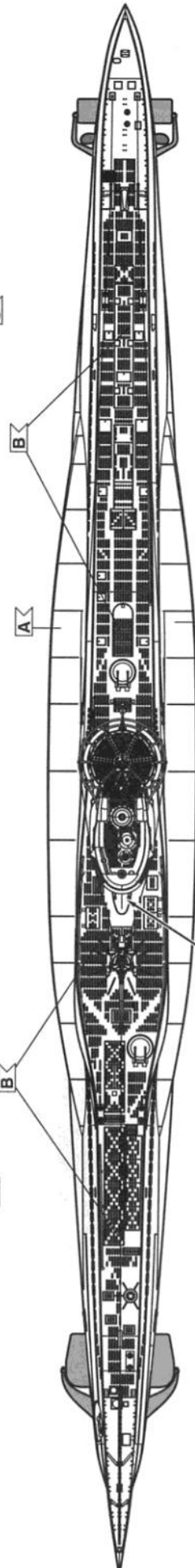
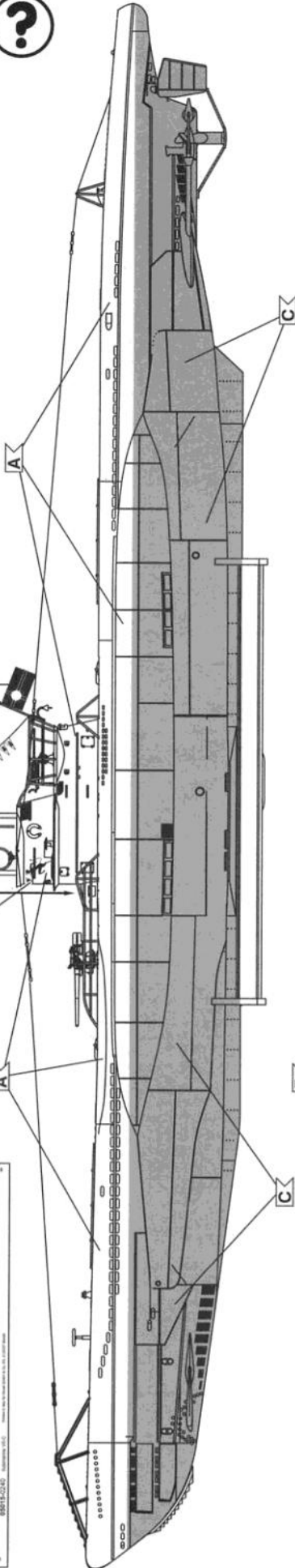
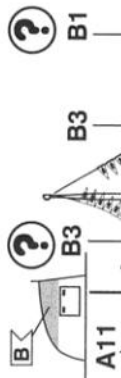
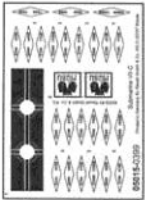
75 ?

U-552

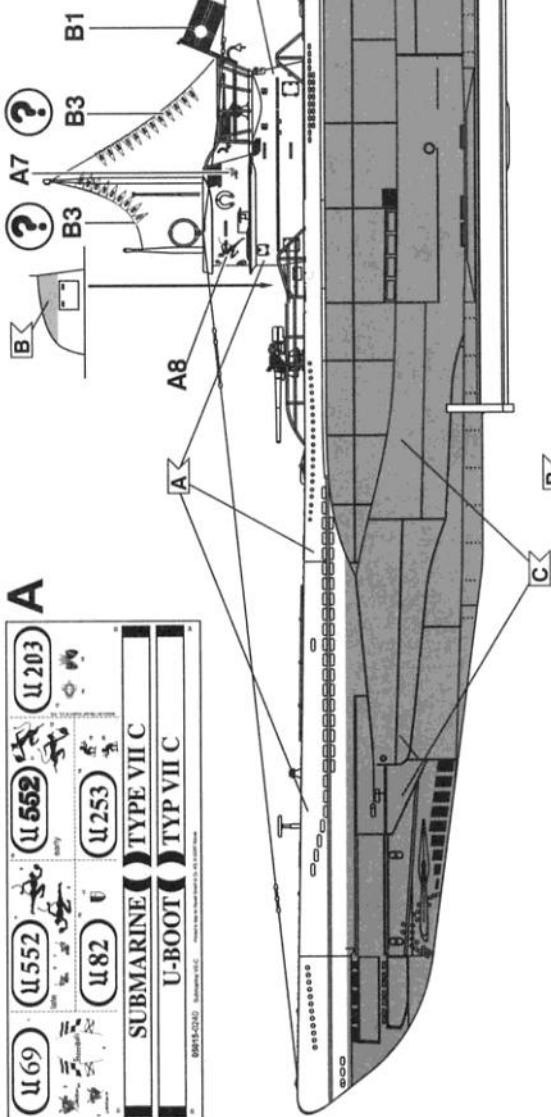
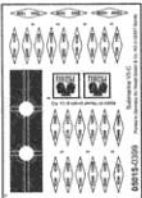
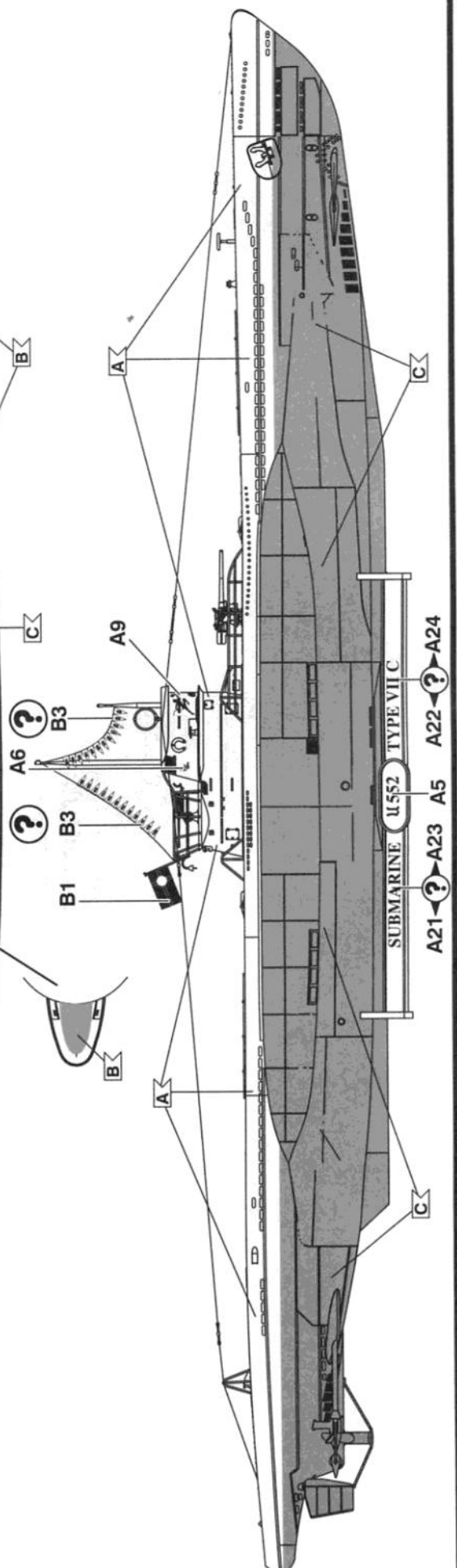
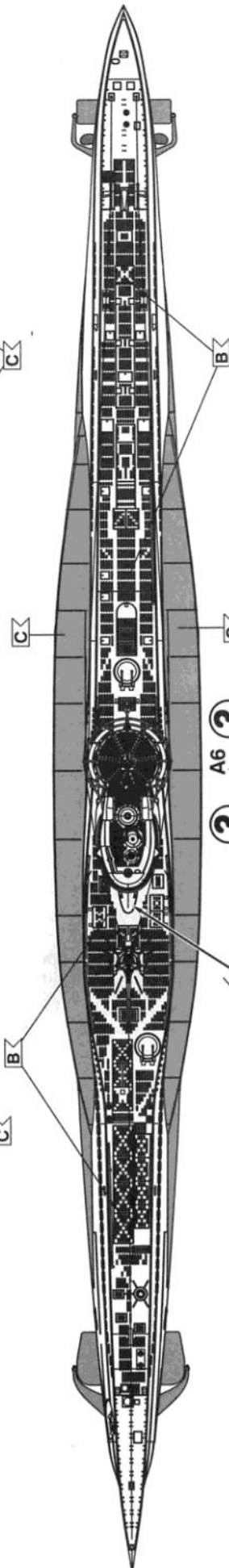
early



B



76  
U-552
 late

**B****A**

A21- A23 A5 A22- A24