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MULTIPLE ROCKET LAUNCHER
BM-30 SMERCH (9K58)



搜模閣

UA72047
1:72
SCALE

BM-30 SMERCH (9K58) MULTIPLE ROCKET LAUNCHER



ITEM NO: UA72047

The BM-30 Smerch (tornado) was developed in the early 1980s and was accepted to service with the Soviet Army in 1987. At the time it was the most powerful multiple launch rocket system in the world. Even today it remains one of the deadliest, if not the deadliest artillery rocket system. Currently Russian Army operates just over 100 of these artillery rocket systems. It saw combat during both Russian wars in Chechnya. Recently it saw combat in Ukraine and in Syria. Other operators are Algeria, Azerbaijan, Belarus, Kuwait, Peru, Syria, Ukraine, United Arab Emirates and Venezuela.

Russian designation for the whole artillery system is the 9K58, while the launching vehicle is the 9A52.

The BM-30 Smerch has 12 tubes for 300-mm rockets. The standard rocket is 7.6 m long and weights 800 kg. This multiple launch rocket system has firing range of 20 - 70 km. Rockets are fitted with a range and direction correction system for better accuracy. A number of rockets are developed for this vehicle, including HE-FRAG, fuel-air explosive, incendiary, cluster with anti-personnel and anti-tank submunitions or self-guided anti-tank munitions. Launcher is capable of single or salvo firing.

The Smerch proved to be extremely effective against concentration of troops and armored vehicles, artillery batteries, airfields and other area targets. A full salvo of a single launcher covers an area of up to 67 hectares. Sometimes the Smerch is even referred as weapon of mass destruction, as its rockets with cluster anti-personnel submunitions destroy every living creature.

The Smerch launch vehicle is prepared for firing within 3 minutes. It takes the same amount of time to leave firing position. Rockets are launched directly from the cab, or remotely from the vehicle. A full salvo takes 38 seconds.

The Smerch launching vehicle is based on the MAZ-543 8x8 heavy high mobility truck. Vehicle is powered by the D12A-525A 38.9-liter diesel engine, developing 525 horsepower. It is fitted with a central tyre inflation system.

Reloading of the BM-30 is assisted by the 9T234-2 reloading vehicle. It is based on a similar modified MAZ-543A chassis. The reloading vehicle is fitted with hydraulic crane and carries a full set of 12 reload rockets. Reloading takes 36 minutes. A Smerch unit is typically composed of six launchers and six reloading vehicles. Reloading usually takes place away from the firing position, to avoid counter-battery fire.

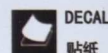
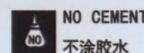
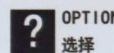
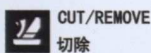
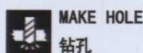
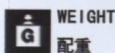
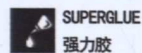
The fire control system of the Smerch, the Vivari, can function automatically or under manual control. The Vivari system is housed in a command vehicle and controls six launchers. It calculates ballistic and targeting data of each launcher.

Specifications

Entered service	1987
Crew	4 men
Dimensions and weight	
Weight	43.7 t
Length	12.37 m
Width	3.1 m
Height	3.1 m
Armament	
Caliber	300-mm
Number of tubes	12
Rocket weight	800 kg
Warhead weight	280 kg
Firing range	20 - 70 km
Full salvo duration	38 s
Reloading time	36 minutes
Mobility	
Engine	D12A-525A diesel
Engine power	525 hp
Maximum road speed	60 - 65 km/h
Range	850 - 900 km
Maneuverability	
Gradient	60%
Side slope	30%
Vertical step	~ 0.6 m
Trench	~ 2 m
Fording	1 - 1.1 m

● READ BEFORE ASSEMBLY

1. When you use glue or paint, do not near flame, and use in a well-ventilated room.
2. Take extra care in handling photo etch parts in order to avoid injury
3. When you take parts off the runner frame, use modeling scissors and trim excess plastic with a cutter or a file.
4. Glue and paint are not included.
5. This product is only suitable for experienced more than 14 years old.



DECAL APPLICATION

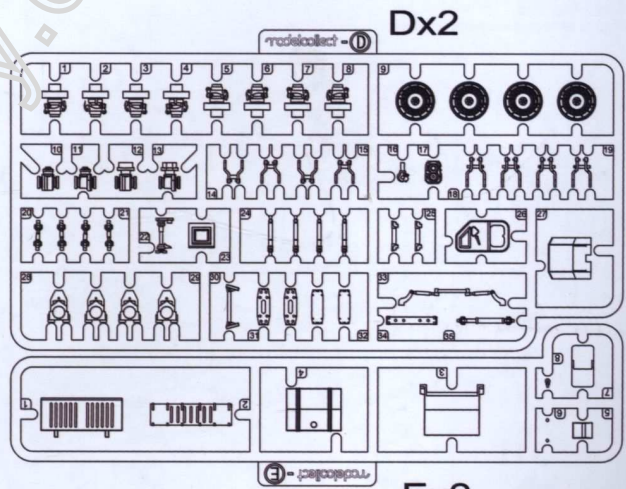
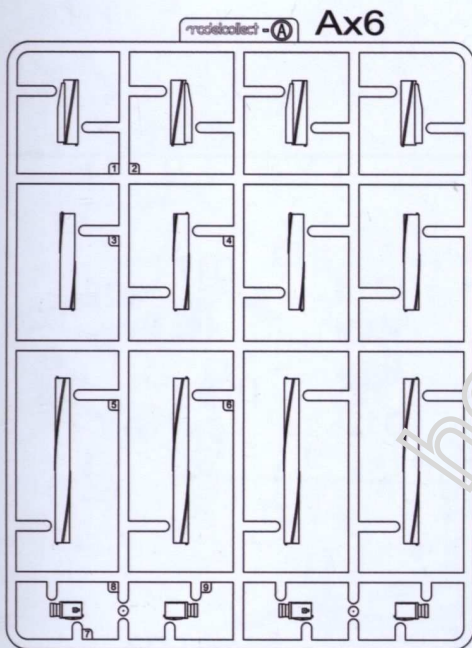
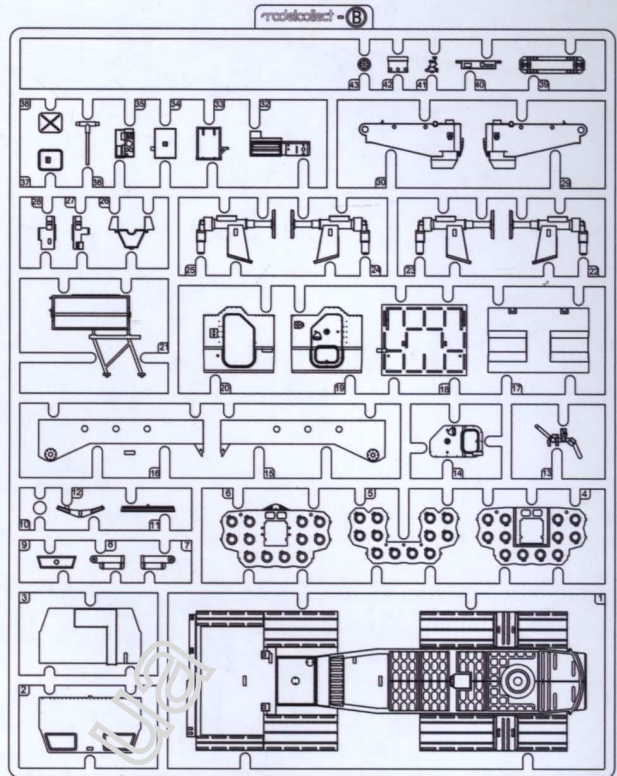
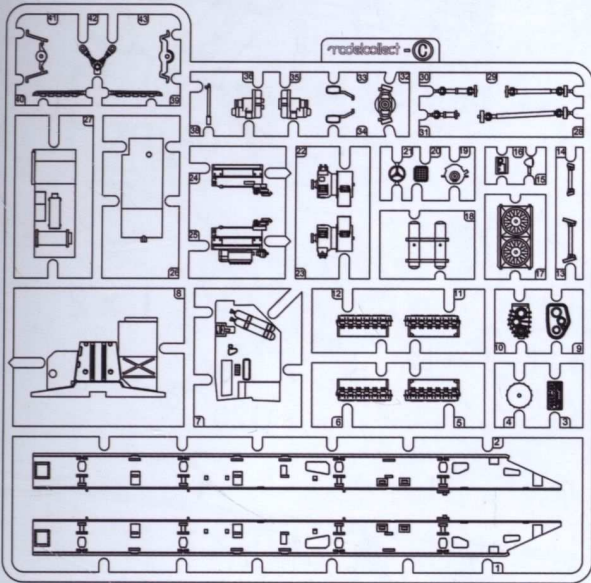
1. Cut off decal from sheet.
2. Dip the decal in tepid water 40° C for about 10 sec. and place on a clean cloth.
3. Hold the backing sheet edge and slide decal onto the model.
4. Move decal into position by wetting decal with finger.
5. Press decal gently down with a soft cloth until excess water and air bubbles are gone.

● 装配之前仔细阅读:

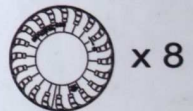
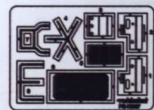
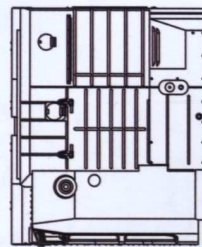
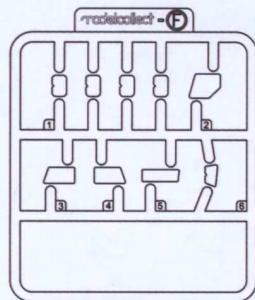
1. 勿於近火处使用胶水或油漆, 并打开窗户保持空气流通。
2. 取蚀刻片时应特别注意安全, 防止利边划伤手指。
3. 从胶架中取出部件时, 应用模型专用剪, 并用界刀或小锉除去多余的胶料。
4. 请使用塑料胶水和油漆, 模型内不含。
5. 本产品不适合14岁以下没有经验的模型爱好者。

水贴纸的使用:

1. 从水贴纸上剪下印花。
2. 将印花放入温水中浸10秒, 然后放在干净布上。
3. 拿着印花纸板将印花移到模型上。
4. 手指蘸水将印花移到适当的位置。
5. 用软布轻压印花直至不干, 气泡消失。

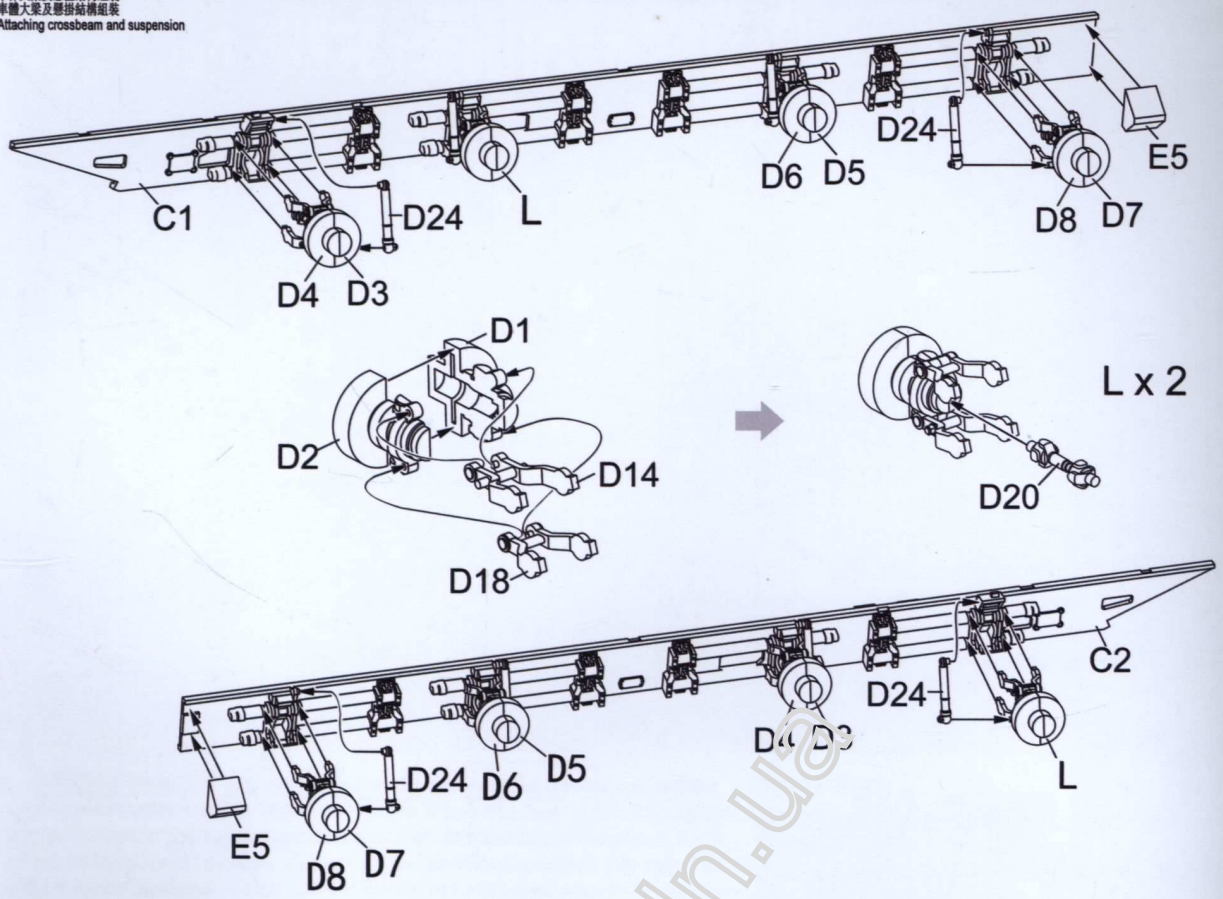


Decal



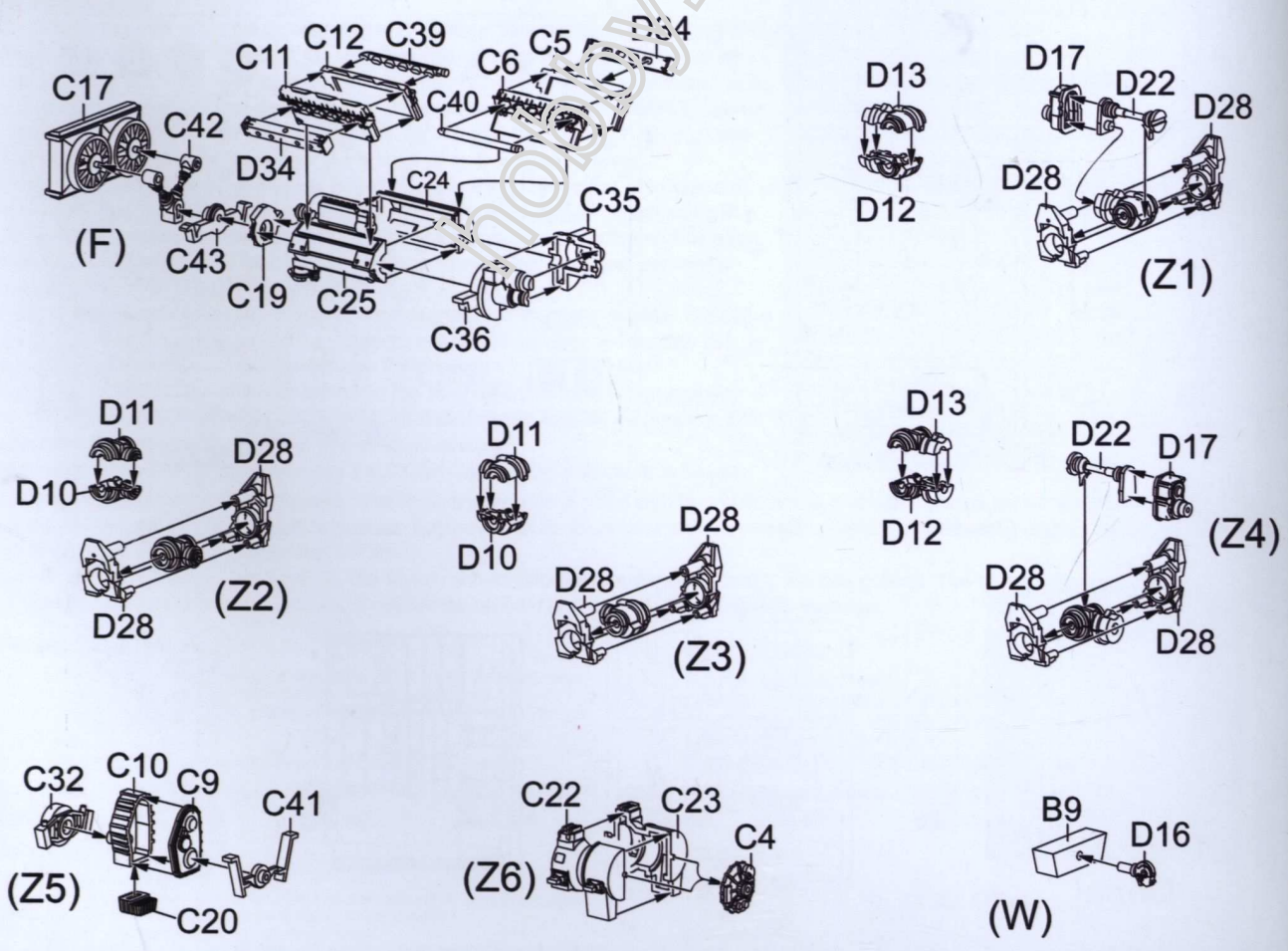
1

车体大梁及悬挂结构组装
車體大梁及懸掛結構組裝
Attaching crossbeam and suspension

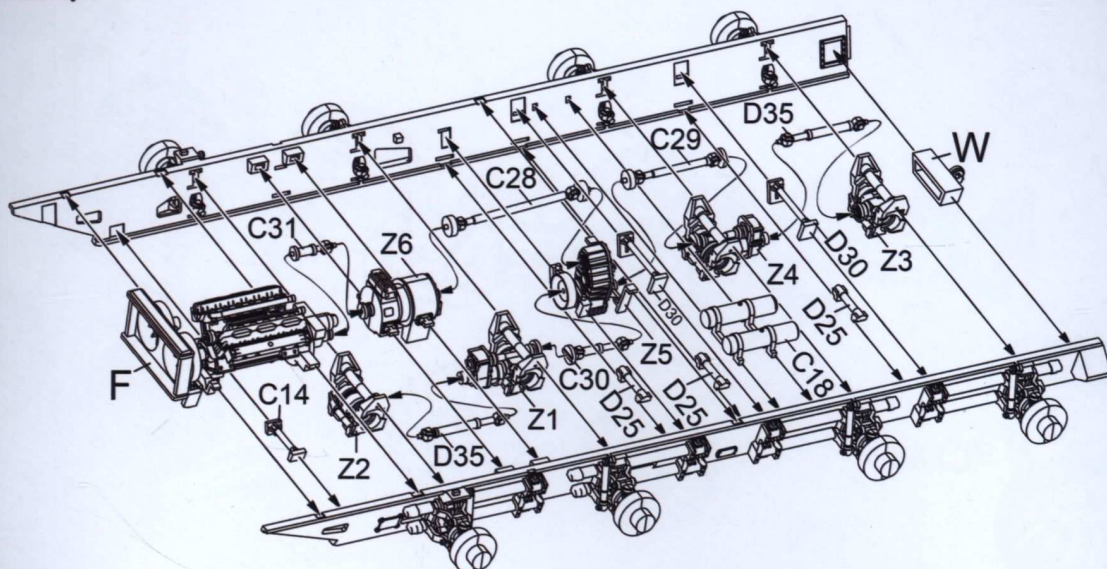


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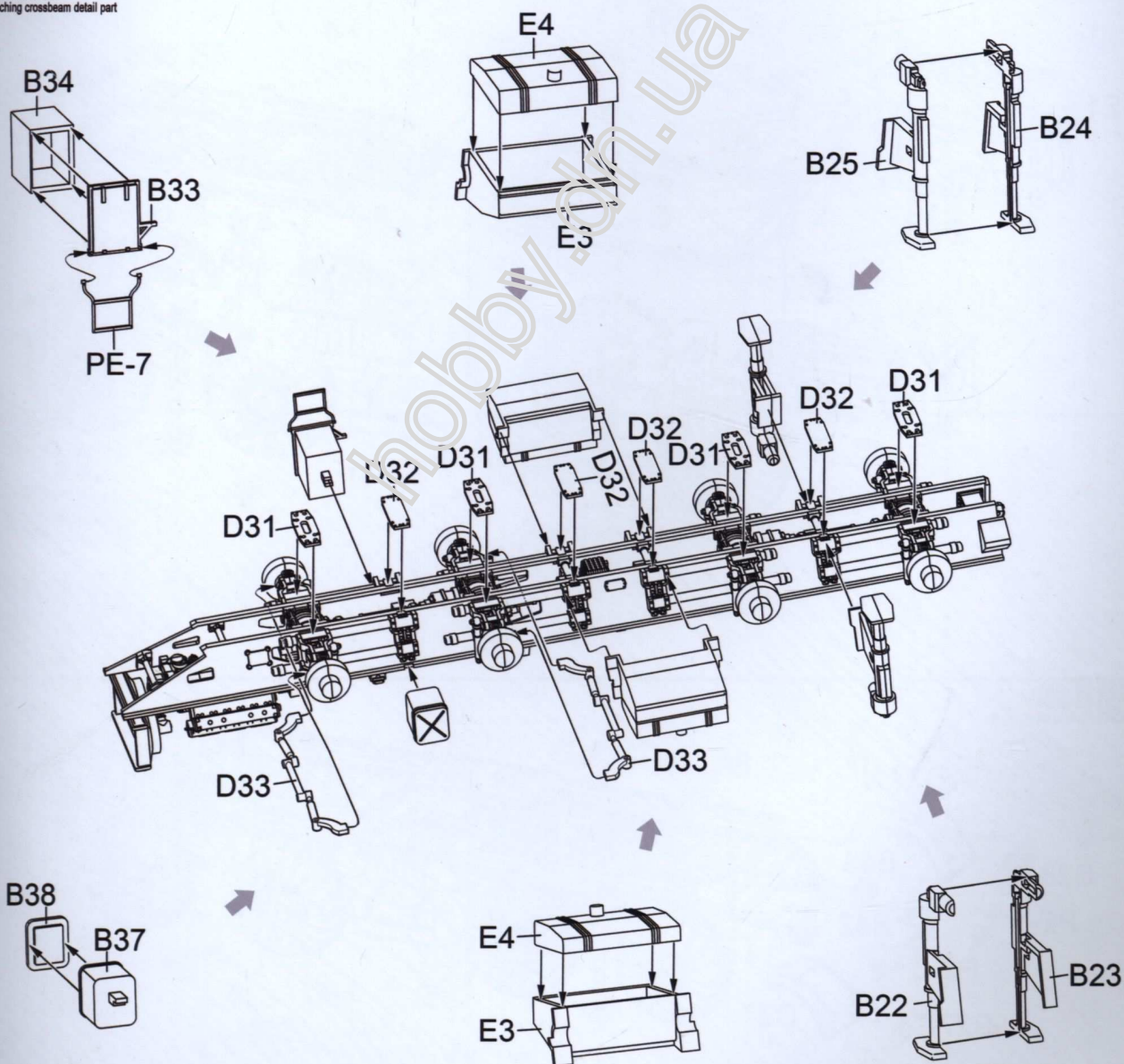
发动机及传动结构组装
發動機及傳動結構組裝
Attaching engine part and transmission system



3 车体大梁及发动机组装
 車體大梁及發動機組裝
 Attaching crossbeam and engine

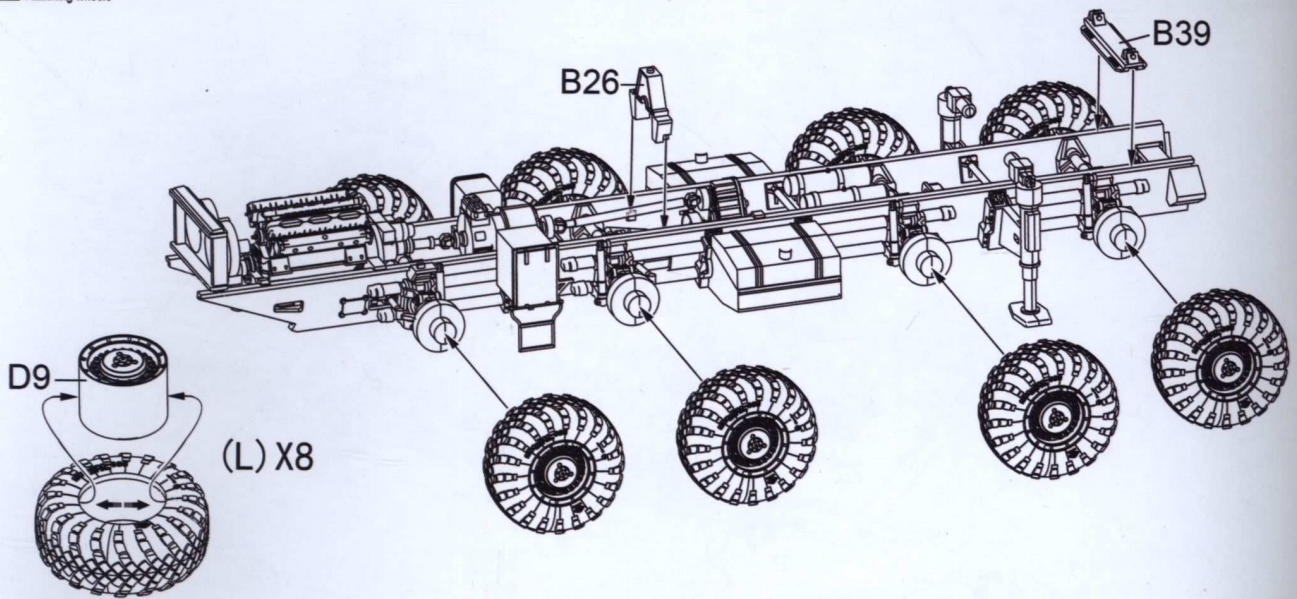


4 车体大梁附件组装
 車體大梁附件組裝
 Attaching crossbeam detail part



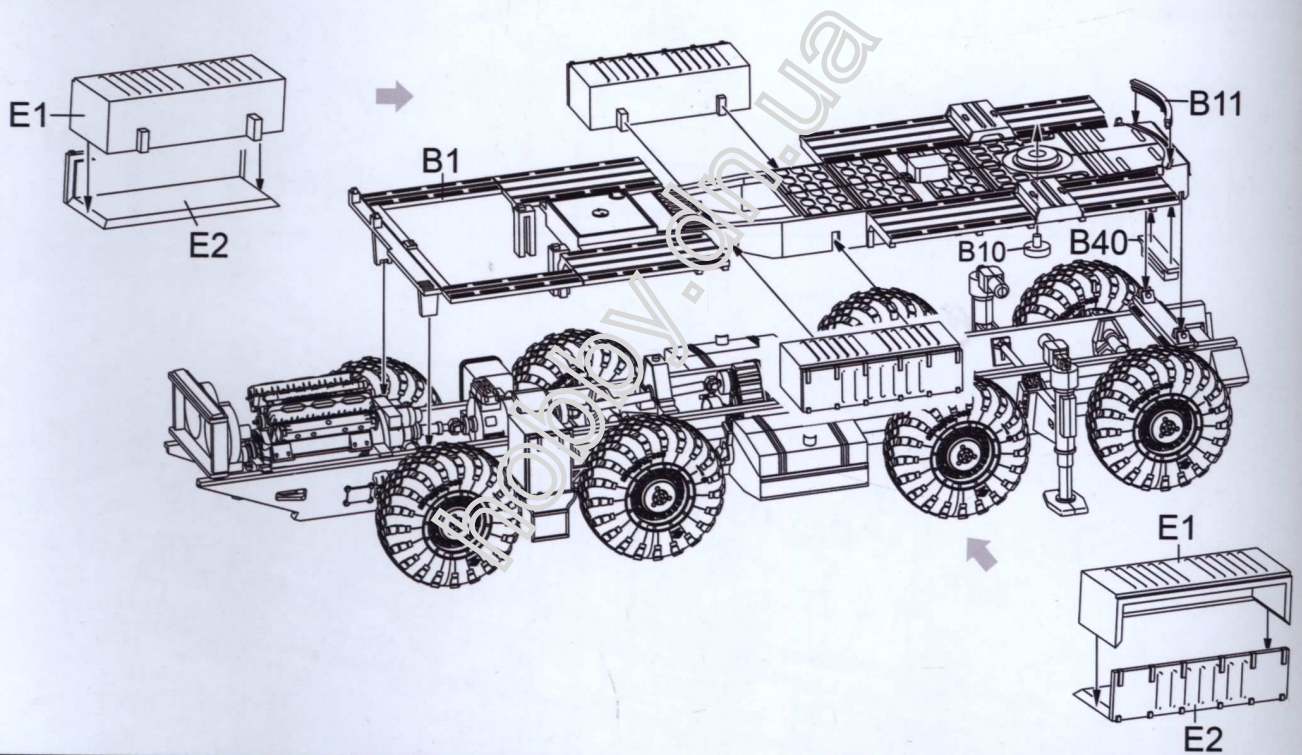
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车轮组装
車輪組裝
Attaching wheels



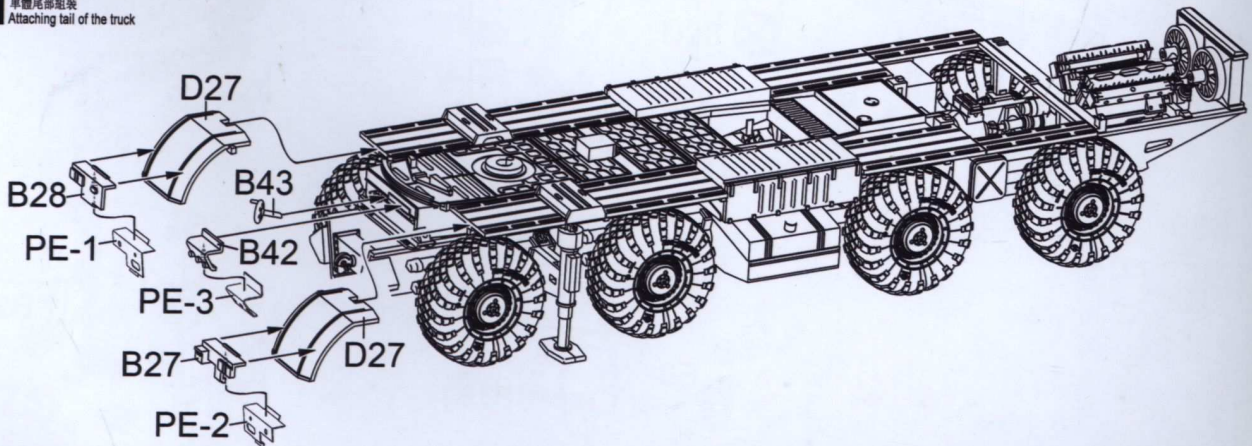
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火箭炮发射器底盘组装
火箭炮发射器底盘組裝
Attaching rocket launcher part



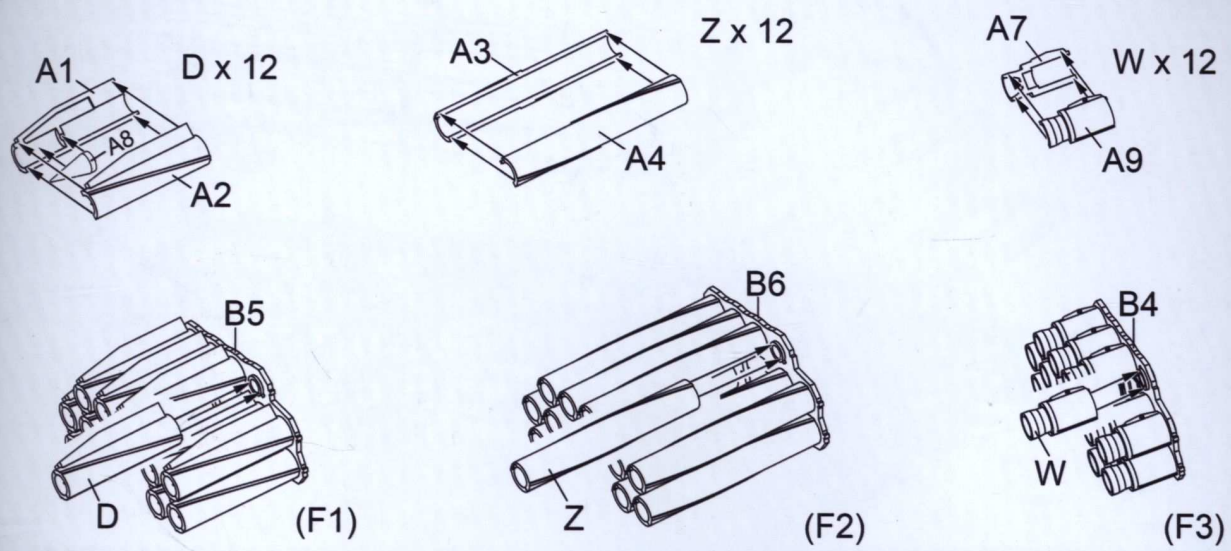
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车体尾部组装
車體尾部組裝
Attaching tail of the truck



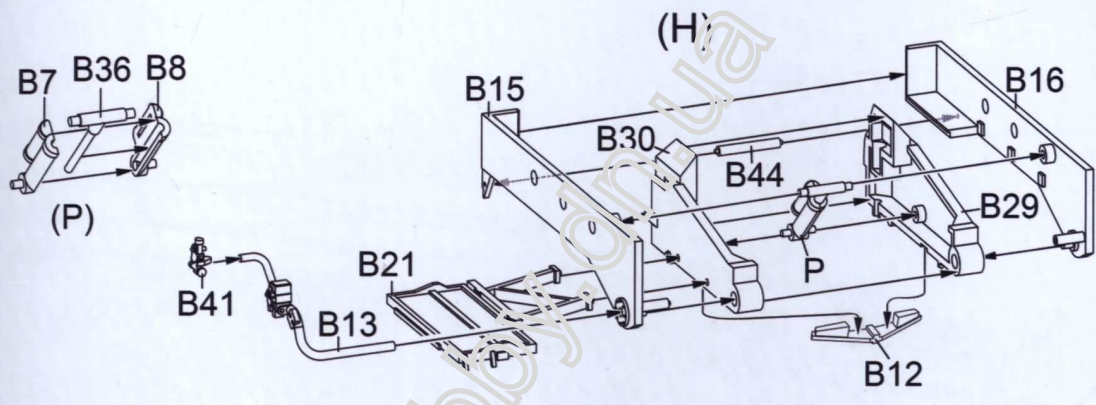
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火箭炮发射器组装 1
火箭炮发射器组装 1
Attaching rocket launcher part 1



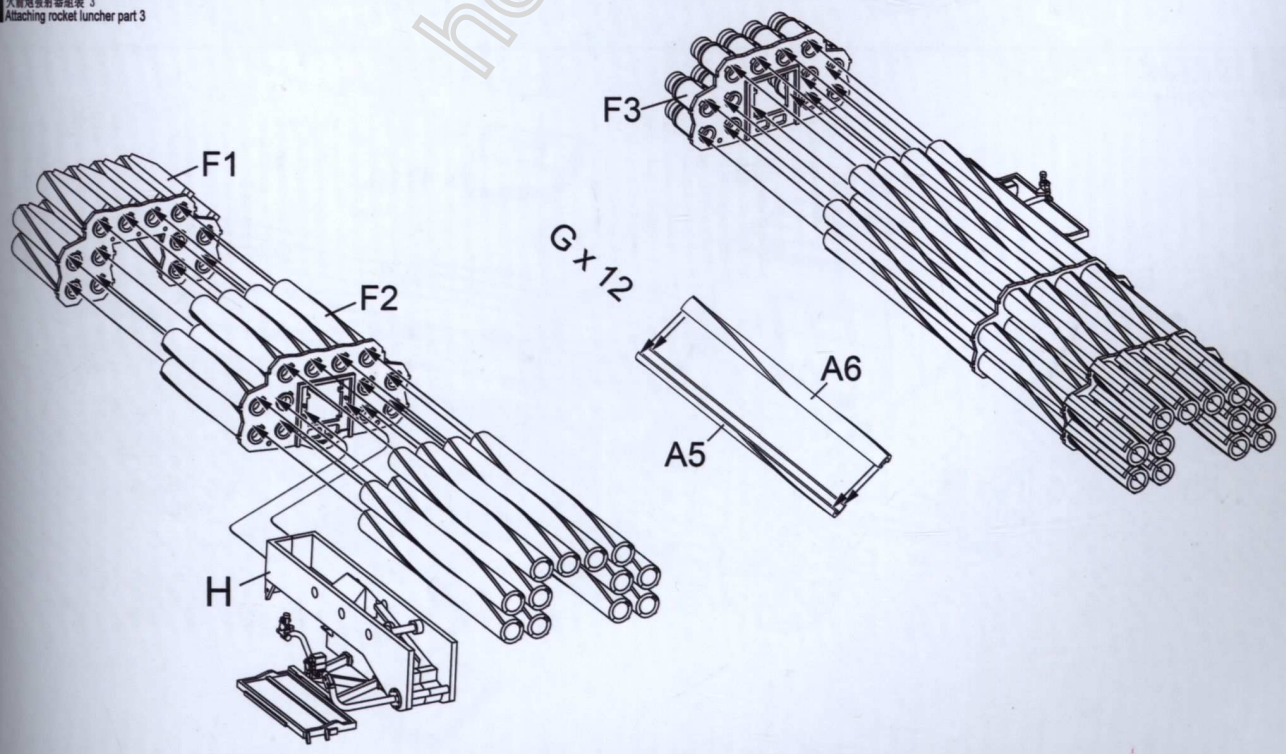
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火箭炮发射器组装 2
火箭炮发射器组装 2
Attaching rocket launcher part 2



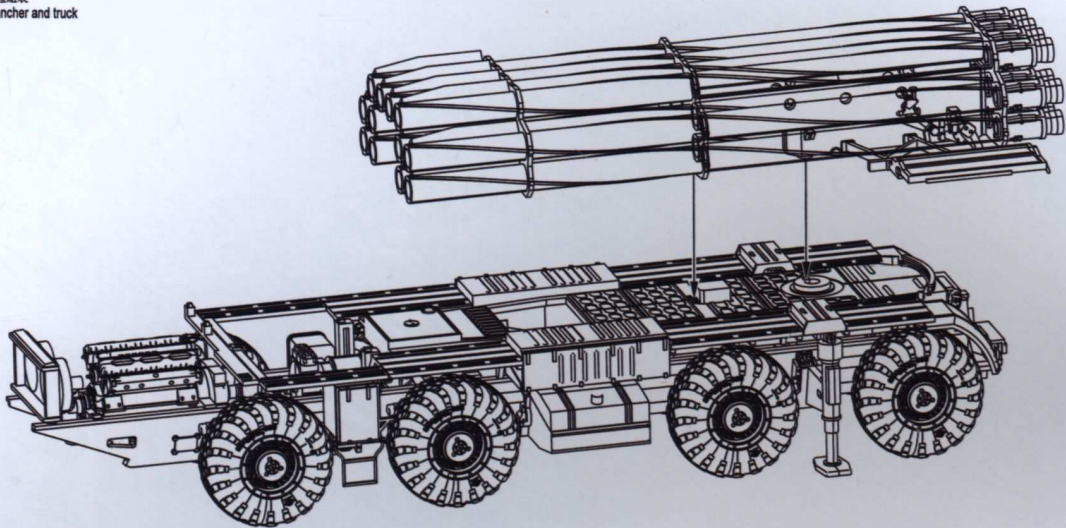
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火箭炮发射器组装 3
火箭炮发射器组装 3
Attaching rocket launcher part 3



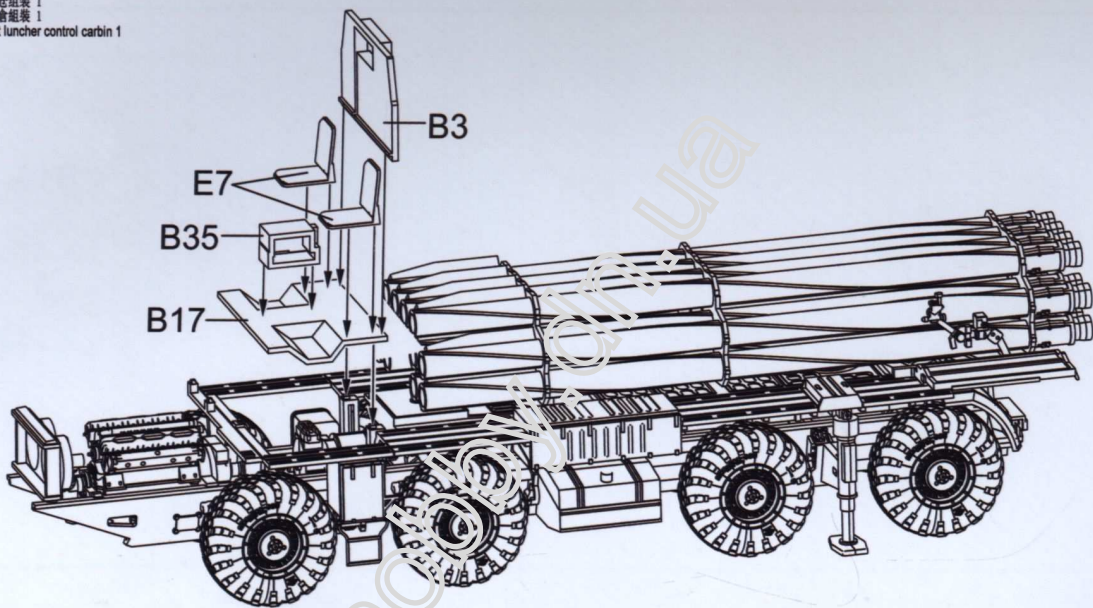
11

火箭炮发射器与车体组装
火箭炮发射器與車體組裝
Attaching rocket launcher and truck



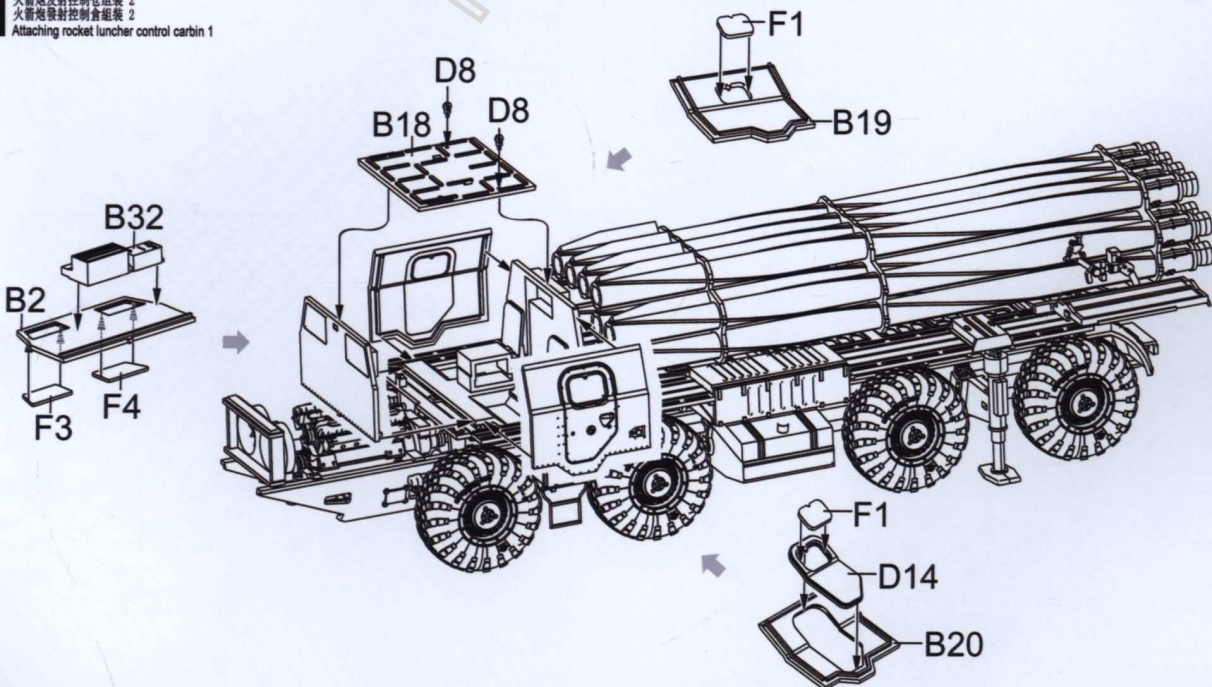
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火箭炮发射控制台组装 1
火箭炮发射控制台組裝 1
Attaching rocket launcher control cabin 1



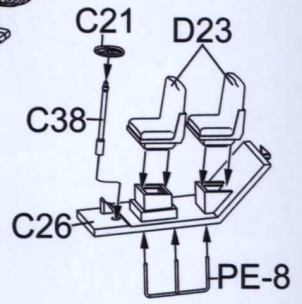
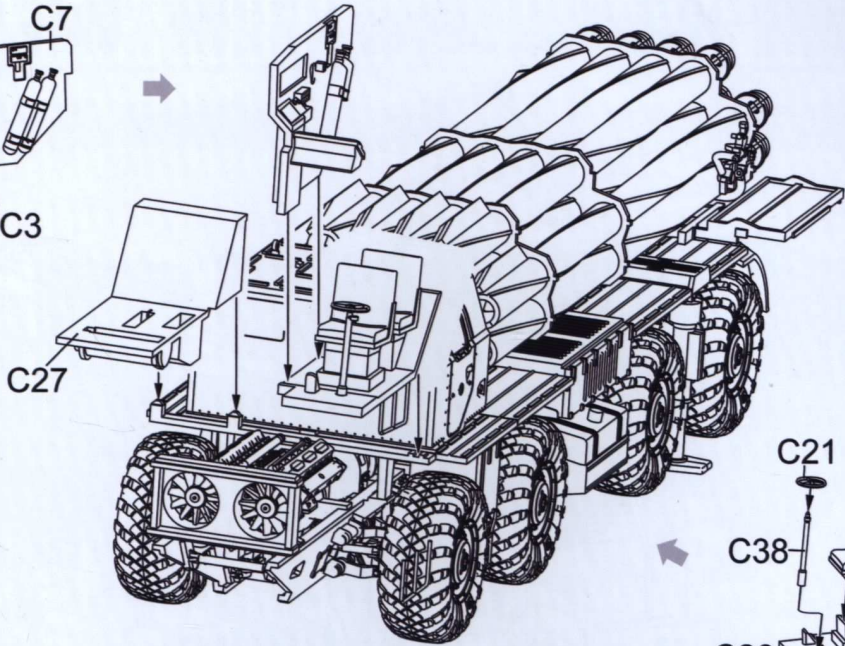
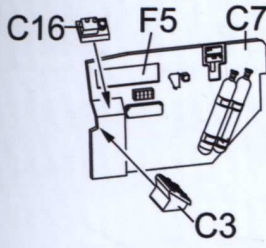
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火箭炮发射控制台组装 2
火箭炮发射控制台組裝 2
Attaching rocket launcher control cabin 1



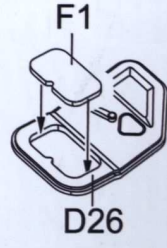
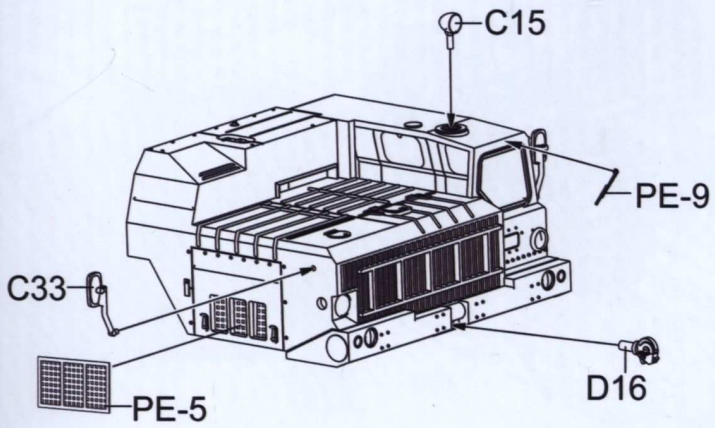
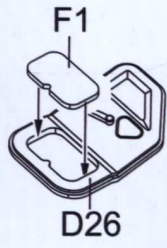
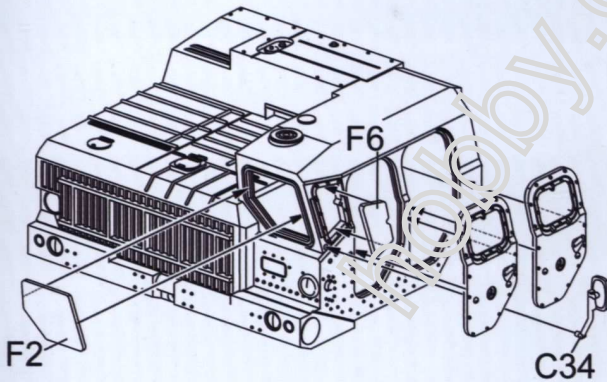
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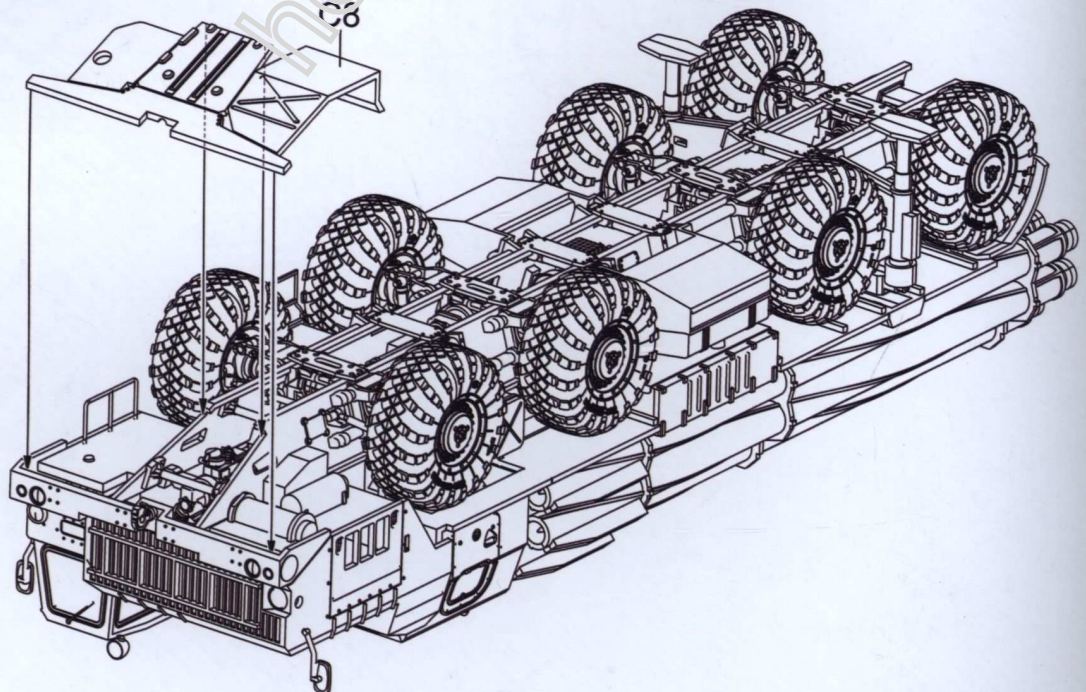
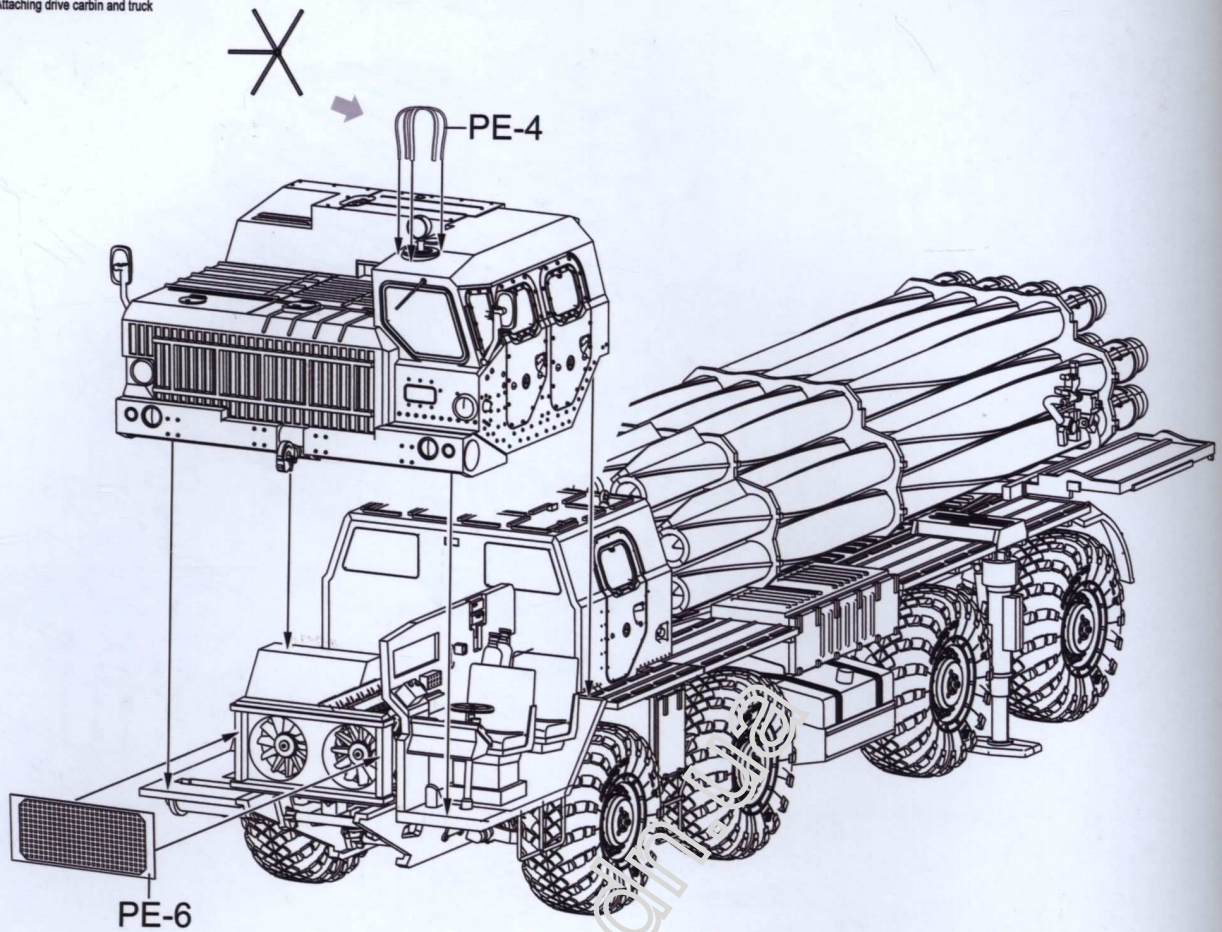
駕駛室組裝 1
駕駛室組裝 1
Attaching drive cabin 1



15

駕駛室組裝 2
駕駛室組裝 2
Attaching drive cabin 2





BM-30 SMERCH (9K58) MULTIPLE ROCKET LAUNCHER

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A.MIG 033 Rubber & Tires

A.MIG 097 Crystal Orange

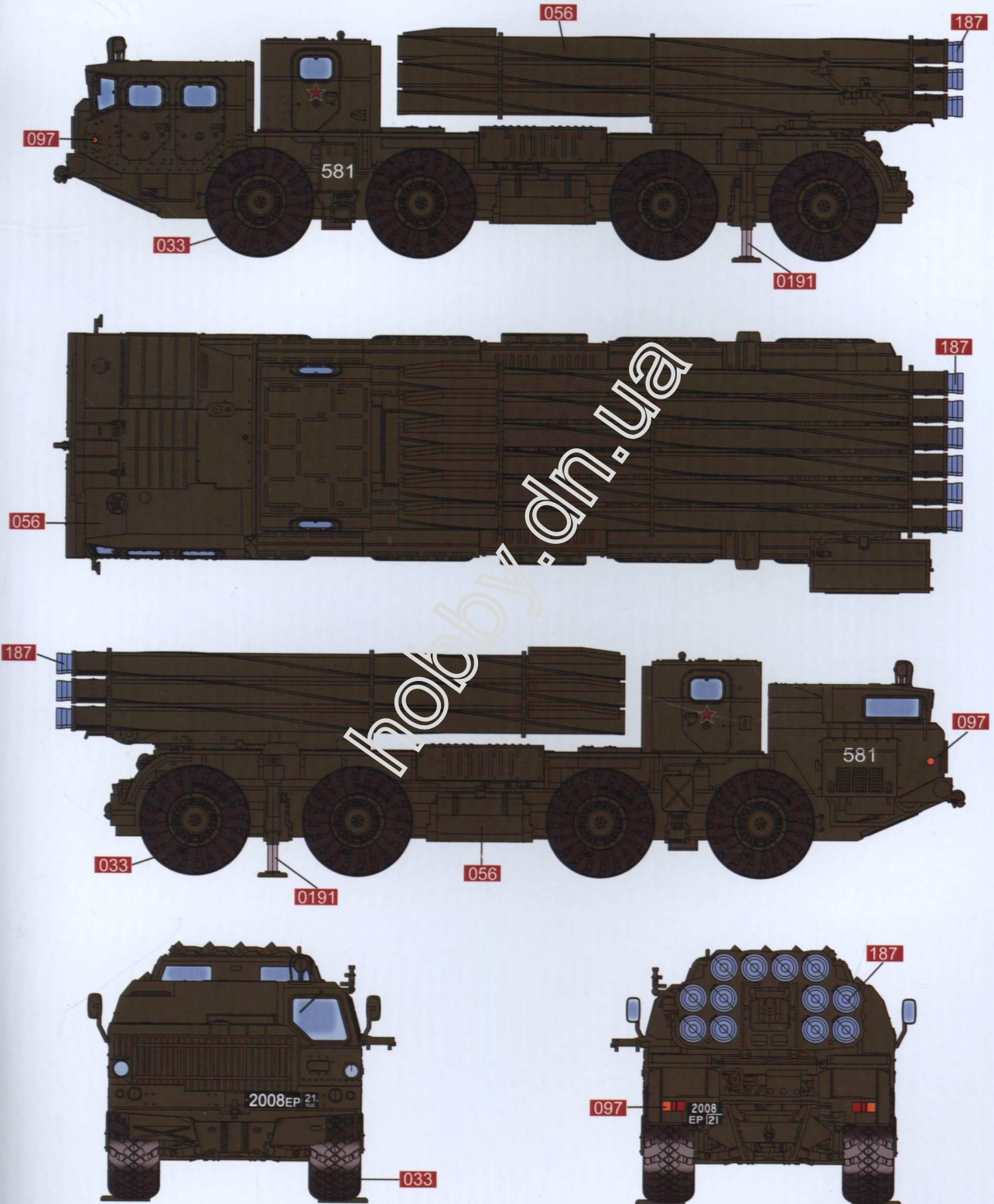
A.MIG 056 Green Khaki

A.MIG 057 Yellow Grey

A.MIG 047 Satin White

A.MIG 0191 Steel

A.MIG 187 JET EXHAUST BURNT IRON



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BM-30 Smerch (9K58) multiple rocket launcher : UA72047

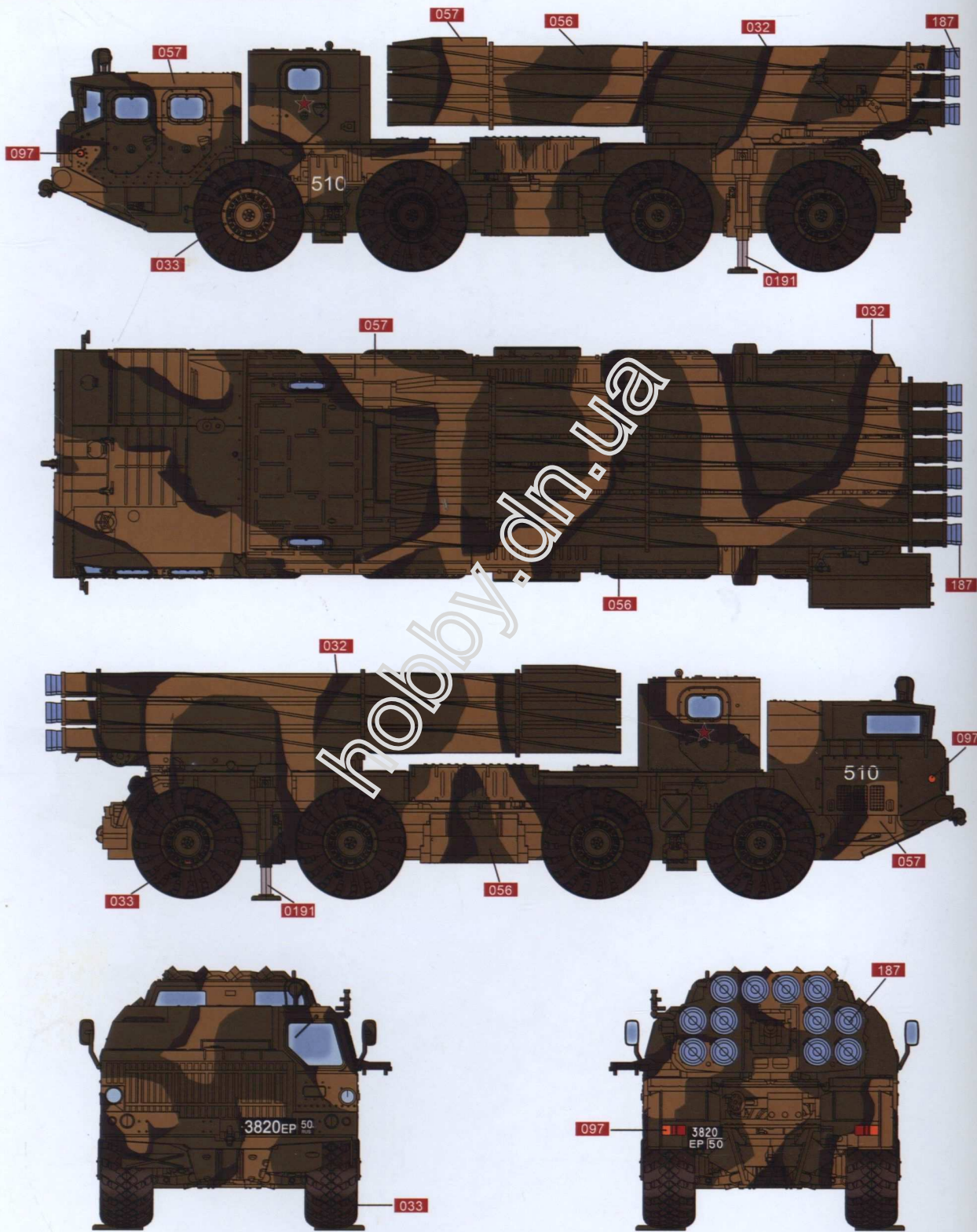
Color info and profiles by



BM-30 SMERCH (9K58) MULTIPLE ROCKET LAUNCHER

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- A.MIG 033 Rubber & Tires
- A.MIG 097 Crystal Orange
- A.MIG 056 Green Khaki
- A.MIG 057 Yellow Grey
- A.MIG 047 Satin White
- A.MIG 0191 Steel
- A.MIG 187 JET EXHAUST BURNT IRON
- A.MIG 032 Satin Black



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