

COMPANY COMMANDER

ENGINEERING UNITS

TACTICAL BRIEFING ON ENGINEERING UNITS

The need for specialist vehicles has been clear for many years.

Recovery vehicles are necessary to prevent the loss of powerful and expensive units through breakdown or immobilisation.

Engineer vehicles are necessary to assist combat engineers in overcoming the defences of enemy locations, or to build fortifications of your own.

It is easy to destroy a bridge, but it requires a great many men and specialist units to build one. These units are vital to such operations, and if you are to make viable defences, you will have to invest in these units.

A well dug in enemy will resist most types of attack, and specialist defences need to be breached. Assault engineer vehicles have dozer blades that can clear a path through minefields. The TMM Bridge unit will be needed to provide river crossings. The faction with the best offensive and defensive engineering capability will be much harder to defeat, and its losses in the offensive may well be much lower.

Company Commander Engineering Units

Unit Designation	TMM-3 Bridge Carrier		
Country	Russia		
Base Price	185		
Base TTC	200		
Crew	2		
Cargo Capacity (Lbs)	0		
Unit Weight (Lbs)	28000		
Road Speed (mph)	44		
Combat Supply (Pts)	2		
Travel Range (Miles)	512	Attack strength Infantry	0
Communication Range (Miles)	0	Attack Strength Soft	0
Night	<input type="checkbox"/>	Attack Strength Lt Armour	0
Smoke	<input type="checkbox"/>	Attack Strength Anti Tank	0
Main Armament	0	Attack Strength AAA	0
Main Armament Range (M)	0	Attack Strength Forts	0
Secondary Armament	0	Defence Strength	1
Secondary Armament Range (M)	0	Cargo Cap (Squads)	0

One reconditioned TMM-3 Mobile Bridge layer. The bridge has a 10 Metre span, but several can be joined together to form a longer bridge with supports at the ends of each span. A good solution for crossing an AT Ditch. The vehicle is unarmed and un-armoured, but the bridge can be deployed in a matter of minutes. Ideally, an excavator type unit should attend to prepare access to the bridge. Usually this unit is not deployed when under fire. When the Bridge is deployed the name will change from "TMM-3 Bridge Carrier" to "TMM Deployed". Unit can be redeployed in a single turn. A typical river on the map is very close to 20 Metres wide.

Company Commander Engineering Units

Unit Designation	Mechanic Section		
Country	Local		
Base Price	40		
Base TTC	0		
Crew	0		
Cargo Capacity (Lbs)	0		
Unit Weight (Lbs)	1250		
Road Speed (mph)	0		
Combat Supply (Pts)	1		
Travel Range (Miles)	5	Attack strength Infantry	2
Communication Range (Miles)	0	Attack Strength Soft	1
Night	<input type="checkbox"/>	Attack Strength Lt Armour	0
Smoke	<input type="checkbox"/>	Attack Strength Anti Tank	0
Main Armament	5 x Submacheguns	Attack Strength AAA	0
Main Armament Range (M)	100	Attack Strength Forts	0
Secondary Armament	0	Defence Strength	1
Secondary Armament Range (M)	0	Cargo Cap (Squads)	0

5 men trained in vehicle, aircraft and weapons maintenance. These men are highly skilled, and are brought into the country on contracts. They act the same as Mobile Workshops, in keeping units working. A mechanic section can accompany operations where the mobile workshop cannot go, making this a very effective unit for forward operations. The Ground crew role is very suited to this unit, as there are no requirements for mobility. Unlike other personnel units, Mechanics are hired.

Company Commander Engineering Units

Unit Designation	M-820 Mobile Workshop		
Country	USA		
Base Price	80		
Base TTC	0		
Crew	3		
Cargo Capacity (Lbs)	0		
Unit Weight (Lbs)	41767		
Road Speed (mph)	56		
Combat Supply (Pts)	3		
Travel Range (Miles)	600	Attack strength Infantry	2
Communication Range (Miles)	0	Attack Strength Soft	1
Night	<input type="checkbox"/>	Attack Strength Lt Armour	0
Smoke	<input type="checkbox"/>	Attack Strength Anti Tank	0
Main Armament	3 Submachine guns	Attack Strength AAA	0
Main Armament Range (M)	100	Attack Strength Forts	0
Secondary Armament	0	Defence Strength	1
Secondary Armament Range (M)	0	Cargo Cap (Squads)	0

One converted cargo truck and 3 mechanics. The truck has been fitted with a small workshop, a winch and crane, and can carry out maintenance and repairs. This unit will keep your trucks running, and repair damaged and broken down units. The crew are not Infantry, and have little combat value, and should be protected, as their role is vital in keeping your units fighting.

Company Commander Engineering Units

Unit Designation	IMR Combat Engineer Vehicle		
Country	Russia		
Base Price	525		
Base TTC	1000		
Crew	2		
Cargo Capacity (Lbs)	0		
Unit Weight (Lbs)	82673		
Road Speed (mph)	28		
Combat Supply (Pts)	8		
Travel Range (Miles)	310	Attack strength Infantry	0
Communication Range (Miles)	50	Attack Strength Soft	0
Night	<input type="checkbox"/>	Attack Strength Lt Armour	0
Smoke	<input checked="" type="checkbox"/>	Attack Strength Anti Tank	0
Main Armament	0	Attack Strength AAA	0
Main Armament Range (M)	0	Attack Strength Forts	0
Secondary Armament	0	Defence Strength	15
Secondary Armament Range (M)	0	Cargo Cap (Squads)	0

One reconditioned IMR Combat Engineer Vehicle. This unit is based upon the T-55, with much modification. It has a high lift crane, power grips and a split dozer blade for fast clearance to either side, or as a full blade for straight ahead clearance. It has no armament, and must rely on other units for fire support. However it is well protected, and can continue to carry out tasks in a very hostile environment. This vehicle will be essential for any army looking to breach the defences of a well fortified location. Without this unit, other forces could well take extremely heavy losses in an assault battle.

Company Commander Engineering Units

Unit Designation	AMX-VCG Combat Engineer Vehicle		
Country	France		
Base Price	240		
Base TTC	730		
Crew	2		
Cargo Capacity (Lbs)	500		
Unit Weight (Lbs)	33069		
Road Speed (mph)	45		
Combat Supply (Pts)	4		
Travel Range (Miles)	220	Attack strength Infantry	3
Communication Range (Miles)	50	Attack Strength Soft	3
Night	<input type="checkbox"/>	Attack Strength Lt Armour	2
Smoke	<input checked="" type="checkbox"/>	Attack Strength Anti Tank	0
Main Armament	1 x 12.7 mm HMG	Attack Strength AAA	2
Main Armament Range (M)	900	Attack Strength Forts	1
Secondary Armament	0	Defence Strength	3
Secondary Armament Range (M)	0	Cargo Cap (Squads)	1

One reconditioned AMX-VCG armoured engineer vehicle. This unit is based upon the AMX-13 Light tank design. The vehicle has combat engineering equipment fitted and can carry a squad of combat engineers. It can be used to protect engineers as they carry out their tasks in assaults, and provides covering fire as well as its own engineering capabilities. A very useful vehicle that will add to the assault abilities of any force. It is lightly armoured and vulnerable to AT fire, but provides valuable units with much needed support at a lower price than normal MBT based engineer vehicles. However the lower price means that the survivability of the unit is much lower than higher priced units.

Company Commander Engineering Units

Unit Designation	M-816 Recovery Truck		
Country	USA		
Base Price	181		
Base TTC	550		
Crew	3		
Cargo Capacity (Lbs)	0		
Unit Weight (Lbs)	36000		
Road Speed (mph)	53		
Combat Supply (Pts)	3		
Travel Range (Miles)	350	Attack strength Infantry	0
Communication Range (Miles)	0	Attack Strength Soft	0
Night	<input type="checkbox"/>	Attack Strength Lt Armour	0
Smoke	<input type="checkbox"/>	Attack Strength Anti Tank	0
Main Armament	0	Attack Strength AAA	0
Main Armament Range (M)	0	Attack Strength Forts	0
Secondary Armament	0	Defence Strength	1
Secondary Armament Range (M)	0	Cargo Cap (Squads)	0

One reconditioned M-816 recovery truck. This unit is a converted truck, used to recover heavy vehicles, and tow them to where they can be repaired. The crew have no combat ability, and the unit is very vulnerable to enemy fire, but may be very useful in moving broken down units to safety. Capable of towing units up to 16000 points, or more if working as a group of towing units.

Company Commander Engineering Units

Unit Designation	RV-730 Recovery Truck		
Country	Sweden		
Base Price	131		
Base TTC	240		
Crew	1		
Cargo Capacity (Lbs)	0		
Unit Weight (Lbs)	46297		
Road Speed (mph)	62		
Combat Supply (Pts)	3		
Travel Range (Miles)	312	Attack strength Infantry	0
Communication Range (Miles)	0	Attack Strength Soft	0
Night	<input type="checkbox"/>	Attack Strength Lt Armour	0
Smoke	<input type="checkbox"/>	Attack Strength Anti Tank	0
Main Armament	0	Attack Strength AAA	0
Main Armament Range (M)	0	Attack Strength Forts	0
Secondary Armament	0	Defence Strength	1
Secondary Armament Range (M)	0	Cargo Cap (Squads)	0

One New Haggblunds RV730 Wheeled Heavy Recovery Vehicle. Despite its appearance, the RV730 is a heavy lifter designed to recover armoured vehicles, including the heavy Main battle tanks. It is used to assist in the repair of vehicles that have either broken down, or been damaged in battle, and will often work closely with a mobile workshop or mechanic sections to effect a repair. The unit is unarmoured, so care must be taken if used with attacking forces.

Company Commander Engineering Units

Unit Designation	BAT-M Bulldozer		
Country	Ukraine		
Base Price	134		
Base TTC	200		
Crew	1		
Cargo Capacity (Lbs)	0		
Unit Weight (Lbs)	27500		
Road Speed (mph)	25		
Combat Supply (Pts)	2		
Travel Range (Miles)	210	Attack strength Infantry	0
Communication Range (Miles)	0	Attack Strength Soft	0
Night	<input type="checkbox"/>	Attack Strength Lt Armour	0
Smoke	<input type="checkbox"/>	Attack Strength Anti Tank	0
Main Armament	0	Attack Strength AAA	0
Main Armament Range (M)	0	Attack Strength Forts	0
Secondary Armament	0	Defence Strength	1
Secondary Armament Range (M)	0	Cargo Cap (Squads)	0

One Reconditioned BAT-M Bulldozer. This unit has a bulldozer blade mounted on a converted weapons carrier. The unit is unarmoured, so very vulnerable to every type of fire, however, its presence may mean the difference between winning or losing. It has a two tonne crane that can help to recover broken down vehicles.

Company Commander Engineering Units

Unit Designation	EWK-M2 Ferry		
Country	Germany		
Base Price	250		
Base TTC	180		
Crew	2		
Cargo Capacity (Lbs)	35273		
Unit Weight (Lbs)	55800		
Road Speed (mph)	50		
Combat Supply (Pts)	10		
Travel Range (Miles)	450	Attack strength Infantry	0
Communication Range (Miles)	0	Attack Strength Soft	0
Night	<input type="checkbox"/>	Attack Strength Lt Armour	0
Smoke	<input type="checkbox"/>	Attack Strength Anti Tank	0
Main Armament	0	Attack Strength AAA	0
Main Armament Range (M)	0	Attack Strength Forts	0
Secondary Armament	0	Defence Strength	1
Secondary Armament Range (M)	0	Cargo Cap (Squads)	6

One reconditioned EWK M2 Ferry and Bridge component. The M-2 can be used as a ferry on its own or paired together. Flotation tanks are lowered either side and the unit is then driven into the river. 4 joined together will create a bridge sufficient to cross any river. The unit is not armoured but the flotation tanks are sectioned to minimise the effect of damage.

Company Commander Engineering Units

Unit Designation	Military Excavator		
Country	UK		
Base Price	75		
Base TTC	0		
Crew	1		
Cargo Capacity (Lbs)	0		
Unit Weight (Lbs)	5250		
Road Speed (mph)	51		
Combat Supply (Pts)	2		
Travel Range (Miles)	437	Attack strength Infantry	0
Communication Range (Miles)	0	Attack Strength Soft	0
Night	<input type="checkbox"/>	Attack Strength Lt Armour	0
Smoke	<input type="checkbox"/>	Attack Strength Anti Tank	0
Main Armament	0	Attack Strength AAA	0
Main Armament Range (M)	0	Attack Strength Forts	0
Secondary Armament	0	Defence Strength	1
Secondary Armament Range (M)	0	Cargo Cap (Squads)	0

One reconditioned Military Grade Excavator. Although this unit has no armament or armour it should be considered one of the most valuable assets as it is vital for any significant construction of defences. It has the ability to dig vehicle sized ditches with its front shovel and narrow infantry trenches with its rear shovel. In addition it is needed to carry defence stores in each construction task. Each construction task will require a certain number of excavators to achieve.

Company Commander Engineering Units

Unit Designation	VT-55 Armoured Recovery Vehicle		
Country	Czechoslovakia		
Base Price	580		
Base TTC	800		
Crew	3		
Cargo Capacity (Lbs)	0		
Unit Weight (Lbs)	80468		
Road Speed (mph)	30		
Combat Supply (Pts)	5		
Travel Range (Miles)	167	Attack strength Infantry	4
Communication Range (Miles)	50	Attack Strength Soft	4
Night	<input type="checkbox"/>	Attack Strength Lt Armour	3
Smoke	<input checked="" type="checkbox"/>	Attack Strength Anti Tank	1
Main Armament	12.7 mm Machine Gu	Attack Strength AAA	3
Main Armament Range (M)	900	Attack Strength Forts	2
Secondary Armament	0	Defence Strength	15
Secondary Armament Range (M)	0	Cargo Cap (Squads)	0

One reconditioned VT-55 Armoured Recovery Vehicle. While there are lighter recovery vehicles a heavy unit will be required to recover damaged or broken down tanks and armour. The Czech VT-55 is a T-55 derivative with a crane and winch used for recovering heavy vehicles. Heavy units cannot be repaired without this unit present. It is able to produce a smoke screen with diesel injected exhausts and a heavy machine gun to provide cover.