



GUN CARRIER AND TRANSPORT VEHICLE

INTRODUCTION

It is a broad type of armoured, military vehicles designed to transport personnel and equipment in combat zones. They are sometimes referred to colloquially as "battle taxis" or "battle buses". Since World War I, APCs have become a very common piece of military equipment around the world. It is an armoured combat vehicle which is designed and equipped to transport a combat infantry squad and which, as a rule, is armed with an integral or organic weapon of less than 20 millimetres calibre.

By convention, they are not intended to take part in direct-fire battle, but are armed for self-defence and armoured to provide protection from small arms fire. It is either wheeled or tracked, or occasionally a combination of the two, as in a half-track. Wheeled vehicles are typically faster on road and less expensive, however have higher ground pressure which decreases mobility off road and makes them more likely to become stuck in soft terrains such as mud, snow or sand. Tracked vehicles typically have lower ground pressure and more manoeuvrability off road. Due to the limited service life of their treads, and the wear they cause on roads, tracked vehicles are typically transported over long distances by rail or trucks



Gun carrier and transport vehicle is typically designed to protect against small arms and artillery fire. Some designs have more protection. Armour is usually composed of steel or aluminium. They will also use bulletproof glass. They are equipped



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with CBRN protection, which is intended to provide protection from weapons of mass destruction like poison gas and radioactive/nuclear weapons.

It is designed primarily for transport and are lightly armed. They may be unarmed, or armed with some combination of light, medium, heavy machine guns, or automatic grenade launchers. In "open top" mounts the gunner sticks out of the vehicle and operates a gun on a pintle or ring mount. A ring mount allows the gun to traverse 360 degrees, a pintle mount has a limited field of fire. It can be preferable to an enclosed gunner because it allows a greater field of view and communication using shouts and hand signals. However, the gunner is poorly protected and at risk of injury in the event of vehicle rollover. Enclosed vehicles are equipped with turrets that allow the crew to operate the weapons system while protected by the vehicle's armour. It may be used as armoured ambulances, to conduct evacuations of wounded personnel. These vehicles are equipped with stretchers and medical supplies.