



The Turret Control System (TCS) provides smooth, proportional acceleration and control of an armored gun turret even when the vehicle is on a high angle slope. The heart of the TCS is a rugged variable-speed motor controller and ring gear motor that form the Battery-Powered

Motorized Traversing Unit (BPMTU). The user controls the TCS with either a joystick or weapon-mounted turret controller. The TCS has been fielded on over 70,000 platforms including HMMWVs and MRAPs.

No	Part Number	Description/Function
1	CS3210A	The CS3210A WMTC allows the gunner to rotate the turret by moving the thumb controlled joystick. The WMTC mounts to the top surface of the handle of either the M2 or MK19 weapon system.
2	CS1600	The CS1600 heavy-duty motor gearbox combination.
3	CS3208	The CS3208 Battery Powered Motor Transversing Unit (BPMTU) motor controller safely and accurately controls the movement of heavily armored turret.
4	CS2140-K01	The CS2140 cable kit provides all the cables needed to operate the TCS.
5	Vehicle Power	Power user supplied
6	CS2152	The Auxiliary Power Module (APM) is connected directly to the Turret Batteries and can supply 12V and 24V power to a wide variety of accessories without dependence on the vehicle's main battery.
7	CS3209	The CS3209B is a single-axis joystick user interface designed for tough environments and harsh conditions. Provides proportional control when used in conjunction with Control Solutions' motor controllers.
8	CS3460	Dual-function (LED & IR) spotlight provides the gunner with adjustable directional lighting for day and night missions. The high-intensity white light can illuminate a target at 150 meters.

Specifications subject to change without notice.

