



MILITARY LOAD CLASSIFICATION TABLE

By Captain Patrick Rowe

The Engineer School web site contains a new feature for soldiers who are unsure of their vehicle's military load classification (MLC). The school has developed a table that pairs the most common vehicles in the Army's inventory with their MLC. Look up the table under <http://www.wood.army.mil/CELL/index.htm>. This web site belongs to the Doctrine Development Division's Center for Engineer Lessons Learned.

Earlier this year, *PS Magazine* informed the Engineer School that soldiers in the field may not have military load classifications readily available for their vehicles. This problem is the result of several factors. First, not all vehicle technical manuals contain the respective vehicle's MLC in the General Information section. Second, not all of the dash data plates attached to vehicles include that vehicle's MLC. Third, the new FM 5-170, *Engineer Reconnaissance*, lacks the MLC table included in the old FM 5-36, *Route Reconnaissance and Classification*. Fourth, Appendix F in FM 5-170 contains formulas for calculating field expedient classifications for vehicles. However, this requires soldiers to measure air pressure in tires and measure the total area of the vehicle's tires or tracks in contact with the ground.

Soldiers in the field must be able to quickly obtain vehicle MLCs without having to perform time-consuming measurements and calculations. With assistance from the Tank-Automotive and Armaments Command, the Engineer School developed the following table listing the MLCs of most vehicles in the Army's inventory. Line item numbers (LINs) and LIN index numbers have been provided to

accurately identify the vehicles. The Engineer School will make this table available as a graphic training aid (GTA) and include it in the revised version of FM 5-103, *Survivability* (2nd quarter, FY00), and Change 2, FM 5-170 (4th quarter, FY99).

Table Header Definitions

Model: This field relates to the model description for a national stock number (NSN). Vehicles listed in the table are sorted alphabetically and numerically by their model number.

Item Description: This field relates to the generic nomenclature assigned to a LIN.

LIN: A six-character alphanumeric identification is assigned to generic nomenclature. It describes collectively all NSN items that possess the functional capability expressed by the LIN description. When multiple LINs are listed, the MLC of the heaviest vehicle is given in the MLC column.

LIN Index: This column provides the two-digit index number applied to each LIN data entry record to identify the NSN and shipping configuration. When multiple index numbers are listed, the MLC of the heaviest vehicle is given in the MLC column.

MLC E/L: This column provides the military load classification of the vehicle when empty/loaded. A dash (-) indicates that the MLC of the vehicle is less than three (3). A plus (+) indicates that the MLC of the loaded vehicle depends on the cargo.

Military Load Classification

Model	Item Description	LIN	LIN Index	MLC E/L
AVLB	Armored Vehicle-Launched Bridge, M48-based			46/66
AVLB	Armored Vehicle-Launched Bridge, M60-based			40/57
C7	Loader, Scoop 2.5 cubic yards (cy), w/o roll cage			20
D7	Dozer, w/ blade, w/o winch	W76816		23
D7	Dozer, w/ blade, w/winch			28
FLU-419	Small Emplacement Excavator (SEE) Tractor	T34437	03	9
JD-410	Tractor, Backhoe/Loader	W91074	01	9/10
M1000	Heavy Equipment Transport (HET) Trailer	S70859	01	21/-
M1037	Truck, Utility: S250 Shelter Carrier 4X4 w/equipment (HMMWV)	T07543	01	-/4
M1038	Truck, Utility: Cargo/Troop Carrier, 1.25 T 4X4 (HMMWV) w/equipment, w/winch	T61562	01	-/4
M1059	Carrier, Smoke Generator	C12815	01	10/12
M1068	Carrier, Armored, Command	C11158	01	13
M1070	HET	T59048	01	18/+
M1074	Palletized Load System (PLS) w/crane	T41067	01	24/45
M1075	PLS w/o crane	T40999	01	22/41
M1076	PLS-Trailer	T93761	01	7/26
M1078	Truck, Cargo: 4X4 light military tactical vehicle (LMTV) w/equipment, w/ or w/o winch	T60081	01	9/11
M1083	Truck, Cargo: MTV w/equipment, w/ or w/o winch	T61908	01	11/15
M1089	Truck, Wrecker: MTV w/equipment, w/winch	T94709	01	14/22
M109 A4/A5	Howitzer, 155 mm, self-propelled (SP)	K57667		28
M1090/ M1094	Truck, Dump, w/winch, MTV T65526 = w/o winch; T65594 = w/winch	T64911/ T65594/ T65526	01	12/17
M1097	Truck, Utility: Heavy Variant, HMMWV, 4X4, 1K gross vehicle weight (GVW), w/equipment	R93035/ T07679	36/10	-/4

Model	Item Description	LIN	LIN Index	MLC E/L
M110A2	Howitzer, Heavy, SP, 8-inch	K56981	07	26/29
M113A2/A3; M58	Carrier, Personnel; Wolf (M113-based)	D12087/ C18284/ G87229	17/01	13
M172, M172A1	Trailer, Low-Bed, 25-ton	S70517	01	7/29, 6/36
M198	Howitzer, Lightweight, Towed, 115 mm	K57821	01	9
M1A1	Tank, Combat, 120 mm, w/o Heavy Armor Kit	T13168	01	70
M1A2	Tank, Combat, 120 mm, w/o Heavy Armor Kit	T13305	01	70
M2A1	Infantry/Tube-Launched, Optically Tracked, Wire-Guided (TOW) Missile/ Cavalry Fighting Vehicle	F40307	01	22/28
M270/A1	Multiple-Launch Rocket System (MLRS)	Z57250	01	20/26
M270/A1	Trailer, Low-Bed, 12-ton	S70243	01/03	7/17
M2A2	Infantry/TOW/ Cavalry Fighting Vehicle	F40375	01	31
M2	Cavalry Fighting Vehicle	J81750	01	20/24
M3	Cavalry Fighting Vehicle	C76335	01	24
M35A2	Truck, Cargo: 2.5-ton, 6X6, w/equipment	X40009	01	6/11
M48A5	Tank, Combat, 105 mm	V13101	05	54
M520	Truck, Cargo, 8-ton			10/16
M54 series	Truck, Cargo: 5-ton, 6X6 long wheel base (LWB) w/equipment/ Truck, Cargo: 5-ton 6X6, w/winch, w/equipment	X40831/ X40968	07	9/17
M548	Carrier, Cargo, 6-ton	D11049	01	7/13
M54A1C/A2C	Truck, Cargo, D/S, 5-ton, 6X6	X40931	01/03	9/17
M551/M551A1	Armored Reconnaissance ABN Vehicle	A93125	01	14/16
M553	Truck, Wrecker, 10-ton, 4X4	X63436	01	15/20
M559	Truck, Fuel (2,500-gallon)			10/19
M56	Generator, Smoke, Mechanized (Coyote)	G58151	01	6
M577A1	Carrier, Command Post	D11538	01	10/12
M578	Vehicle, (Light) Recovery	R50544		27
M6	Carrier F/TRAC Bradley (Linebacker)	Z20340		33
M60A2	Tank, Combat, 152 mm	V13270	01	57

Model	Item Description	LIN	LIN Index	MLC E/L
M60A1/A3	Tank, Combat, 105 mm	V13101	03/11	57
M728	Combat Engineer Vehicle	E56578	01	59
M747	C-HET Trailer (also M1000)	S70661	01	11/79
M813A1	Truck, Cargo: Dropside, 5-ton, 6X6, w/equipment	X40794	01	9/15
M814 series	Truck, Cargo: 5T, extra-long wheel base (XLWB)	A26874	11	10/21
M816	Truck, Wrecker, 5-ton, 6X6	X63299	07	18/32
M870	Trailer (pulled by M916)	S70594	01	6/74
M871	Trailer (pulled by M931)	S70027	01	7/52
M872	Trailer, Flatbed, 34-ton (M915 Tractor)	S70159	01,04,03	8/44
M88A1	Vehicle, (Medium) Recovery	ME1377	01	55/70
M997	Truck, Ambulance Litter, 4X4	T38844	01	-/4
M9 ACE	Armored Combat Earthmover	MB0589	01	17/30
M901	Combat Vehicle, Improved, TOW	E56896	01	12
M911	Truck, Tractor, 5-ton (C-HET)	T61035	01	16
M915A1/A2	Truck, Tractor, 6X4	T61103	03/14	8/-
M916	Truck, Tractor, 6X6	T91656	01	12
M920	Truck, Tractor, 8X6	T61171	01	14
M925A1/A2	Truck, Cargo, 5-ton	X40931	28	10/16
M929A2	Truck, Dump, 5-ton	X43708	42	10/17
M930A2	Truck, Dump, 5-ton, 6X6	X43845	35	11/17
M931	Truck, Tractor, 5-ton	X59326/ E01933	10	9/17
M93A1	Recon System NBC (FOX)	R41282	01	19
M966	Truck, Utility, 1.25-ton	T05096	01	3/4
M967, M970 (M900 series)	Trailer, Tank, Fuel, 5,000-gallon	S10059	01	6/21
M977	Truck, Cargo (HEMTT)	T39518	01	18/28
M978	Truck, Tanker (HEMTT)	T58161	01	17/25
M981	Fire Support Vehicle	C12155	01	14
M992	Carrier, Tracked , Field Artillery Ammunition Support Vehicle (FAASV)	C10908	01	22/29
M998 Series	Truck, Utility, Cargo, Transport Carrier, 1.25-ton, (HMMWV)	T61494	01	-/4

Model	Item Description	LIN	LIN Index	MLC E/L
MT-250	Crane, Truck Mounted, Hydraulic, 25-ton	F43429	01	31
RTCC	Crane, Wheel Mounted, (20-ton)	C39398	01	85/ +
(No Number)	Q37 Radar System	A41666	06	13
AN/TPQ-36V7	Q36 Radar System	R14216	05	-/4
M1083 w/winch	Truck, Cargo: MTV, w/equipment	T41135	01	11/16
M105A2	Trailer, Cargo: 1.5-ton 2-wheel, w/equipment	W95811	01	2/4
M35A2C	Truck, Cargo: Dropside, 2.5-ton 6X6 w/equipment	X40077	01	6/11
LMTV	Trailer, Cargo, 2.5-ton	Z36068	01	1/4
XM1113	Truck Utility: Expanded Capacity, 4X4 w/equipment, HMMWV XM1113	Z62562	01	-/6
(No Number)	Trailer, Cargo: MTV w/ dropsides	Z90712	01	3/9
Petroleum, Oil, and Lubricants (POL) MTV	Truck, Tank: POL MTV	Z94047	01	13
M1078 w/winch, w/o winch	Truck, Cargo: LMTV w/equipment (5K-pound Cargo)	T60149/ T60081	01	10/12
M1081	Truck, Cargo: LMTV w/equipment (5K pound Cargo)	T42063	01	10/13
M1093 w/winch, w/o winch	Truck, Cargo, MTV w/equipment (10K pound Cargo)	T41036/ T41104	01	12/16
Grizzly	Grizzly: Combat Engineer Vehicle, Full-Track (FTRAC)	Z23978/ Z23910	01	70
MLC 70	Launcher, M1 Tank Chassis (Wolverine)	Z37727	01	70

The Engineer School encourages feedback from users of these vehicles concerning information that is incorrect, omitted, or no longer necessary. Use the following e-mail or mailing address or telephone number to provide comments or suggestions to update and improve this table.

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