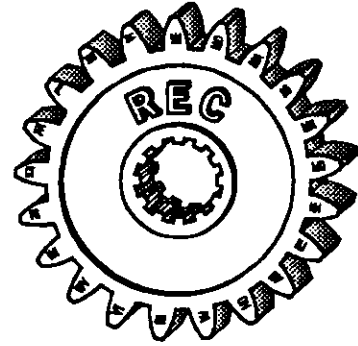


# **ROSCOMMON EQUIPMENT CENTER**



*Northeast Forest Fire Supervisors in cooperation with Michigan's Forest Fire Experiment Station*

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**P.O. Box 68, Roscommon, MI 48653**

July 1993

## **PROJECT 37 - USFS 1000 Gallon 6x6 Ground Tanker<sup>1</sup>**

In 1978, the US Forest Service purchased for the Huron-Manistee National Forest, a 2-1/2 ton 6x6 cab & chassis, from the US Department of Army. REC produced a 1000 gallon engine on this cab & chassis, based on the plans found in REC Project 22. This was the first attempt to purchase a new military unit from the Department of Defense for fire control purposes.

In 1986, details were completed to potentially allow state and federal agencies to purchase these vehicles for fire use through military channels. The attached letter gives some of the details. The ability to obtain one of these vehicles through this process will change, depending on model availability and production schedules. States interested in this type of purchase should contact the appropriate regional State & Private Forestry office. For the northeast area, contact:

Fire Protection  
US Forest Service, NA  
5 Radnor Corporate Center Suite 200  
100 Matsonford Road  
Radnor, PA 19087

Information contained in this report has been developed for the guidance of employees of the member States, Provinces and Federal Agencies.

The use of trade, firm or corporation names is for the information and convenience of the user. Such use does not constitute an official evaluation, conclusion, recommendation, endorsement, or approval of any product or service to the exclusion of others which may be suitable.

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<sup>1</sup> This project bulletin contains information that may change regularly. Its contents may include preliminary drawings or manufacturer's product data that may have changed. It is intended primarily for conceptual use. Additional or updated information may be available by contacting the address above.



REPLY TO  
ATTENTION OF

**DEPARTMENT OF THE ARMY** Mr. Anastasi/mp/AUTOVON  
UNITED STATES ARMY TANK-AUTOMOTIVE COMMAND  
WARREN, MICHIGAN 48397-5000  
786-5649

AMSTA-EKP

30 OCT 1986

SUBJECT: The Purchase of M939A2 Series 5 Ton Truck Chassis

U. S. Department of Agriculture  
Forest Service, F&AM  
P.O. Box 2417 (Mr. Francis Russ)  
Washington, DC 20013

1. Reference FONECON, between Mr. N. Anastasi, TACOM, and Mr. F. Russ, USDA, 28 Oct 86, SAB.
2. The enclosed "Chassis Characteristics" sheets should provide the necessary requested technical data. Although the enclosed information pertains to the M939A1 Series, which can no longer be obtained, overall specifications for the M939A2 are virtually the same, but include the following improvements.
  - a. Central tire inflation system (except for the M945A2 chassis).
  - b. Commercially available engine, which meets U.S. Government performance specifications.
  - c. Camouflage and chemical-agent resistant paint.
3. The following costs are in FY87 dollars and should be escalated accordingly for future year requirements:

<u>Model</u>	<u>Nat'l Stock Number</u>	<u>1987 Cost</u>
M942A2 w/winch	2320-01-230-0287	73,000
M942A2 wo/winch	2320-01-230-0289	68,850
M944A2	2320-01-230-0288	66,950
M945A2	2320-01-230-3261	76,200

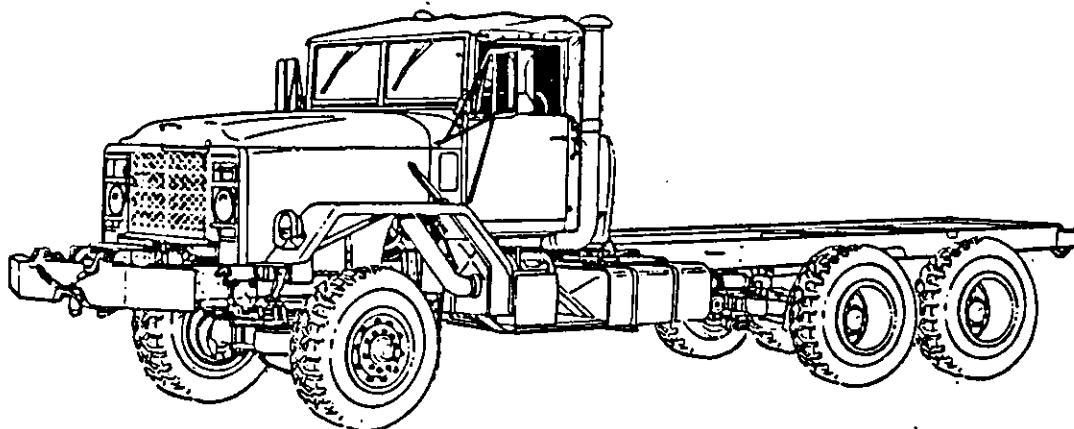
4. Based on the recently awarded contract, vehicles are available for procurement through August 1990 with scheduled delivery beginning in early 1989.

# CHASSIS CHARACTERISTICS

USATACOM

**NOMENCLATURE: CHASSIS, TRUCK.**  
**5-TON, 6X6, M942A1 WO/W AND W/W**  
**ARMY PART NO. 8750148 (WO/W), 8750147 (W/W)**  
**NSN 2320-01-205-2666 (WO/W), 2320-01-205-2665 (W/W)**

DATE: July 1985  
 AMCTC NO. 8286  
 STATUS: STD- A

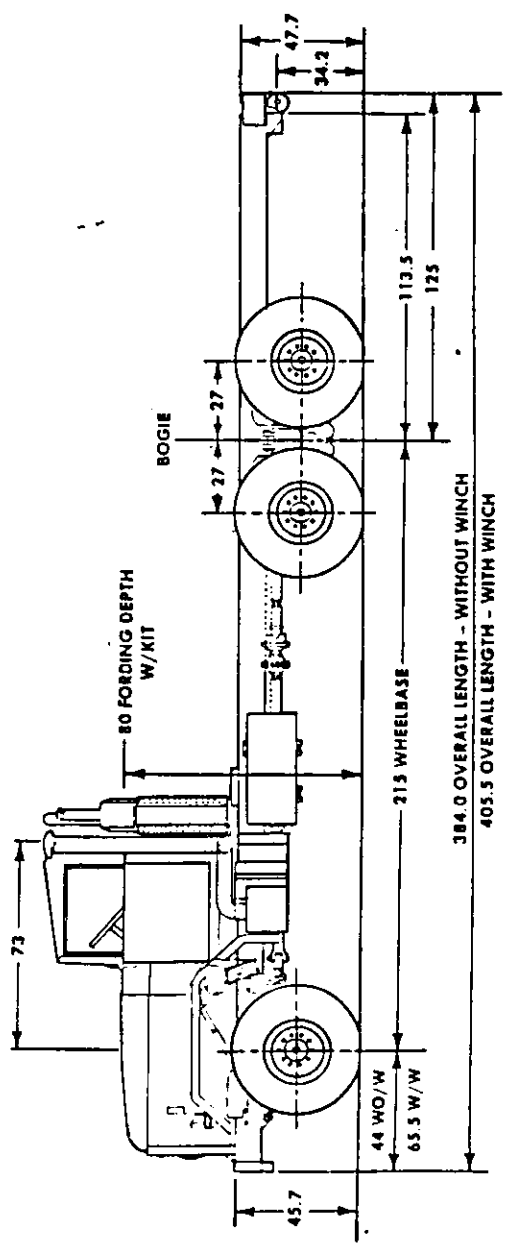
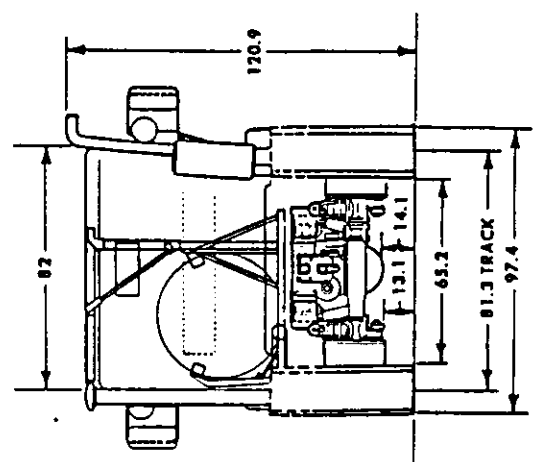
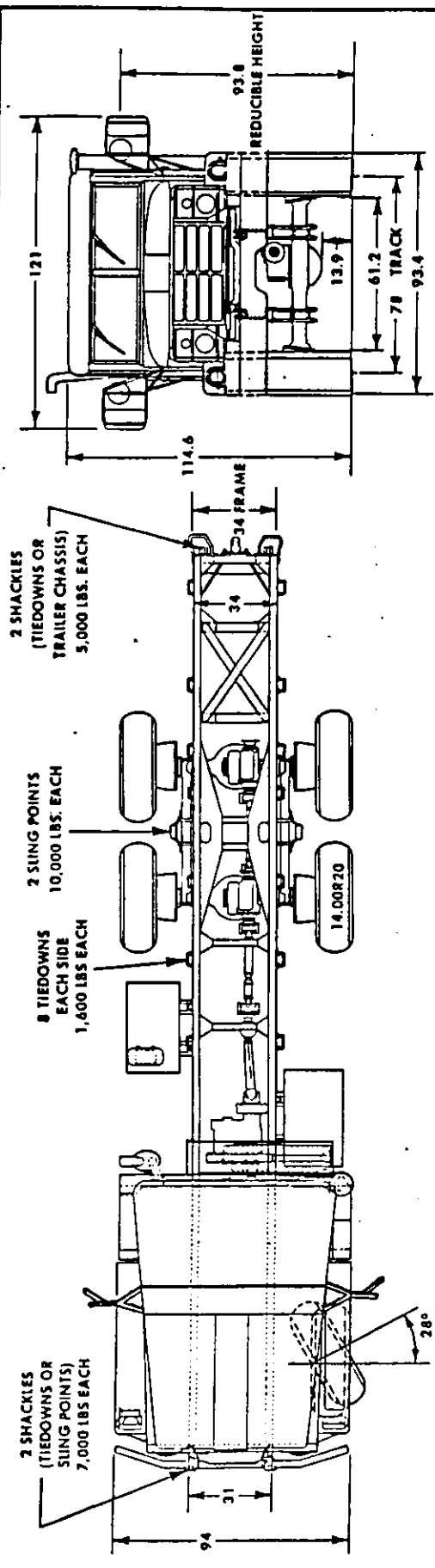


DESIGNATIONS	VEHICLE DATA	
	WO/W	W/W
<b>CURB WEIGHT, FULLY EQUIPPED</b>		
<b>LESS PAYLOAD AND CREW</b>		
Front .....	10,710 Lbs.	11,740 Lbs.
Rear Bogie .....	9,740 Lbs.	9,810 Lbs.
Total .....	20,450 Lbs.	21,550 Lbs.
<b>PAYLOAD (maximum including body)</b> .....	15,100 Lbs.	15,100 Lbs.
<b>TOWED LOAD ALLOWANCE</b> .....	15,000 Lbs.	15,000 Lbs.
<b>SHIPPING DIMENSIONS</b>		
Cubic Feet .....	2,033	2,144
Square Feet .....	260	275
<b>LENGTH</b> .....	384.0 In.	405.5 In.
<b>WIDTH (excluding mirrors)</b> .....	97.4 In.	97.4 In.
<b>HEIGHT</b>		
Overall .....	120.9 In.	120.9 In.
Reducible to lowest Operable .....	93.8 In.	93.8 In.
<b>ANGLE OF APPROACH (loaded)</b> .....	46°	31°
<b>ANGLE OF DEPARTURE (loaded)</b> .....	21°	21°
<b>ANGLE OF BREAKOVER (loaded)</b> .....	30°	30°
<b>MINIMUM TURNING RADIUS (wall to wall)</b> .....	47.2 Ft.	49.3 Ft.
<b>TRACK</b> — Front — 78.0 In. Rear — 81.3 In.		
<b>FORDING DEPTH</b> — With Kit — 80.0 In. Less Kit — 32.0 In.		
<b>ENGINE</b>		
Model — NHC-250 — 6 Cyl. In-Line — 11669328-1		
Compression Ignition Fuel Injection		
Displacement — 855 Cu. In. Bore and Stroke — 5.5 x 6		
Compression Ratio — 15.8:1 Fuel-Diesel, Octane/Cetane #40		
Horsepower: Gross 240 @ 2100 RPM; Net 210 @ 2100 RPM		
Torque: Gross 658 Lb-Ft @ 1500 RPM; Net 600 Lb-Ft @ 1500 RPM		
Crankcase Capacity: W/O Filter — 24.0 Qts.; W/Filter — 28.0 Qts.		
Governor: Type — Mechanical		
Cooling System Capacity: 40.0 Qts., Pump Type Drive — 2V Belts		
Governed Speed: 2100 RPM at Full Load		
<b>FUEL SYSTEM</b> — Fuel Tank Capacity — 81 Gal.; Fuel Pump, In-Tank; Fuel Injection, Injection Pump No. 3028791-3892.		
<b>CLUTCH</b> — None.		
<b>TRANSMISSION</b> — Automatic, No. 11669085. No. of Speeds — 5 Fwd, 1 Rev.; Ratios: 1st — 4.17:1; 2nd — 2.21:1; 3rd — 1.66:1; 4th — 1.27:1; 5th — 1.0:1; Rev. — 10.76:1. PTO — One Opening — SAE 6-Bolt, Right Side of Transmission.		
Lubricant Capacity: W & W/O PTO — 17.0 Qts.		
<b>TRANSFER CASE</b> — W/O PTO No. 11669112		
No. of Speeds — 2, Ratios: High — 0.732:1, Low — 1.790:1		
Control of Front Axle Drive — Air-Actuated, Manual Engagement		
Lubricant Capacity 6.75 Qts.		
<b>AXLES</b> — Front: No. 12256540. Rear: No. 12256156 Qty. — 2		
Type — Single-Speed, Double Reduction, Ratio — 6.443:1		
Lubricant Capacity — 12.0 Qts. Each.		
<b>FRAME</b> — No. 12256417. Type — Rail Channel, Siderail Dimensions — 9 In. x 3 In. x 0.31 In.; Section Modulus 10.71 Cu. In.; No. of Crossmembers — 9; Reinforcement — .31 In. "L" Type, Combined Section Modulus 24.4 Cu. In.		

DESIGNATIONS	VEHICLE DATA
<b>FRONT SPRINGS</b> — No. 7411110; Size — 3 In. Wide x 50 In. Long; No. of Leaves — 12; Rate — 2,271 Lb/In.; Type — Semi-Elliptical; Shock Absorbers — Direct Acting, Qty. — 2.	
<b>REAR SPRINGS</b> — No. 7409613; Size — 4 In. Wide x 59.25 In. Long. No. of Leaves — 13, Rate — 5,983 Lb/In.; Type — Semi-Elliptical, Inverted, Qty. — 2.	
<b>STEERING</b> — No. 11668993; Type — Hydraulic W/Power Assist; Ratio 20.4:1.	
<b>TIRES, TUBELESS W/BEAD LOCKS</b> — Size — 14.00R20; Load Rating — J; Tread Design — All Terrain; No. Spares — 1.	
<b>WHEELS</b> — No. 1230115; Type — Two Piece Steel Disc, 20 In. Dia. x 10.00 In. Wide; Front — Single; Rear — Single; Offset — 5.09 In.	
<b>BRAKES, SERVICE</b>	
Type — Air-Actuated Self-Adjusting; Front — Single Actuating; Rear — Dual Actuating	
Drum Size: Front & Rear — 15 In. Dia. x 7 In. Wide	
Total Effective Area: Front — 432 Sq. In., Rear — 864 Sq. In.	
<b>BRAKES, PARKING</b> — Combination Internal Expanding 12 In. Dia. x 3 In. Wide Drum at Rear of Transfer Case and Four Spring Emergency/Parking Type on Rear Axles.	
<b>ELECTRICAL SYSTEM</b> — Waterproofed, Radio Suppressed Per MIL-STD-461. Potential — 24 Volts. Starting Motor — No. MS53011-1	
Alternator — No. 10929868; Rating — 60 Amp.; Drive — 2 V-Belts	
Batteries: Qty. — 4, Type — 12V — 6TN, No. MS35000-3. Trailer Coupling Socket — No. 8376209. Turn Signal — Solid State; Flasher — No. 11613631; Control — No. 11669166	
Lighting: Headlamps No. 8741462. B.O. Driving Lamp No. 8747988. Composite Lamps: Front — No. 11614156, Rear — No. 11614157	
<b>*PERFORMANCE</b> — Approx. 4.6 Miles Per Gallon. 350 Miles Cruising Range. Gradeability: With GVW of 37,250 Lbs., High — 1.6%, Low — 60%	
Maximum Speed — 63 MPH at Engine Governed Speed 2100 RPM.	
<b>CAB</b> — Type: Std. — Canvas; Arctic — Hardtop Kit; Capacity — 3.	
<b>WINCH</b> — No. 7412382; Capacity — 9,500 Lbs.;	
Wire Rope Cable — 0.625 In. Dia., Cable Length — 200 Ft.	
<b>PINTLE</b> — No. 8710630. Max. Vertical Load (Static) — 1,500 Lbs.	
<b>TIEDOWNS</b> — Total No. 20 (16 U-Bolts, No. 10883223, 8 Each Side); 2 Front Lifting Shackles — No. 12301040, 2 Rear Shackles — No. 7409523.	
<b>ON-VEHICLE EQUIPMENT (OVE)</b>	
Basic Issue Items — See Drawing No. 12300877	
Additional Authorization List Items — See Drawing No. 12300998	
<b>ACCESSORY/SUPPLEMENTAL KITS</b> — See Drawing No. 12302863	

\*W/Diesel Fuel — TYPE VV-F-800

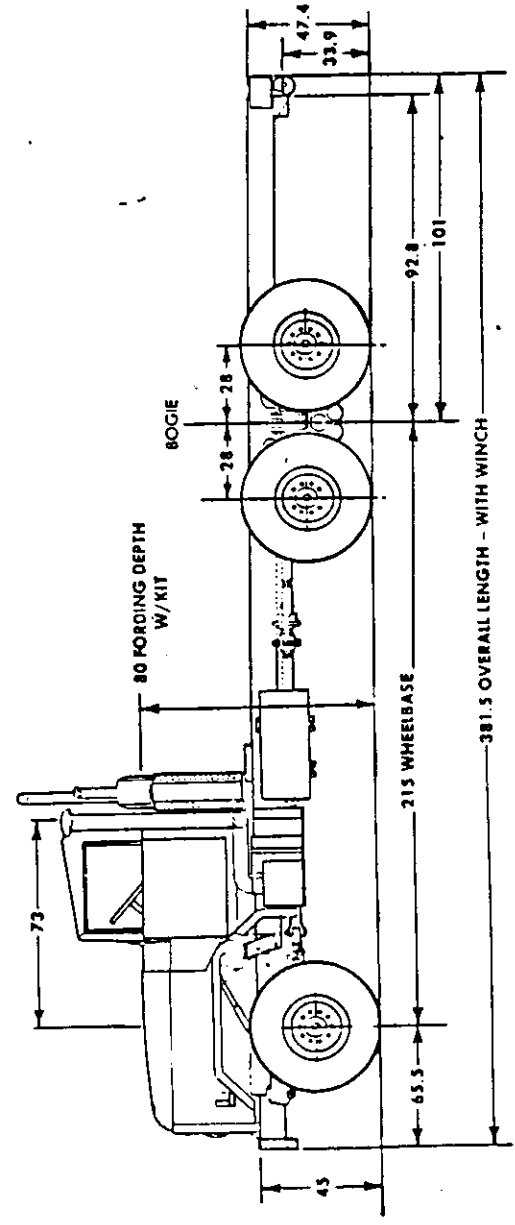
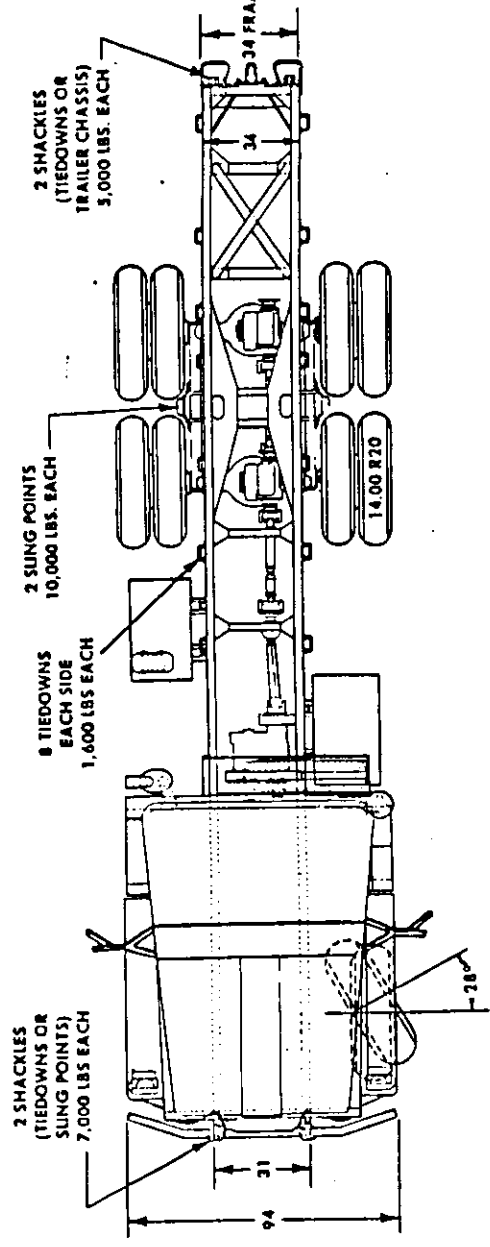
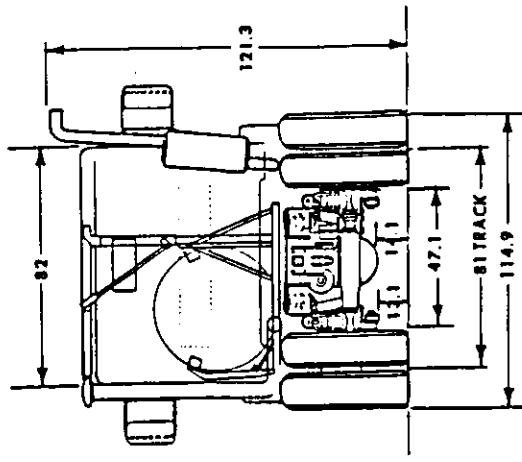
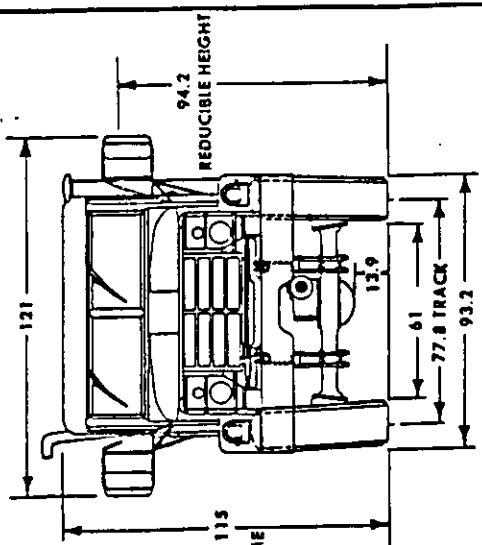
**U.S. ARMY TANK-AUTOMOTIVE COMMAND**  
**WARREN, MICHIGAN 48397-5000**



TRUCK CHASSIS: LWB, 5-TON, 6 x 6  
 M942A1 WO/W & W/W

REFERENCE: VEHICLE DWG. NO.  
 WO/W 8750146 2320-01-205-2664  
 W/W 8750147 2320-01-205-2665

NOTE: ALL DIMENSIONS ARE WITH  
 VEHICLE UNLOADED AND LEVEL



TRUCK, CHASSIS: BRIDGER, 5-TON, 6 x 6  
M945A1 W/W

REFERENCE: VEHICLE DWG. NO.  
W/W 8750150 2320-01-203-2668

NOTE: THIS VEHICLE RETAINS QUAL 14.00  
R20 TIRE. HOWEVER TIRE SIZE  
SHOULD BE CORRECTED.

# CHASSIS CHARACTERISTICS

USATACOM

NOMENCLATURE: CHASSIS, TRUCK,

5-TON, 6X6, M945A1 W/W

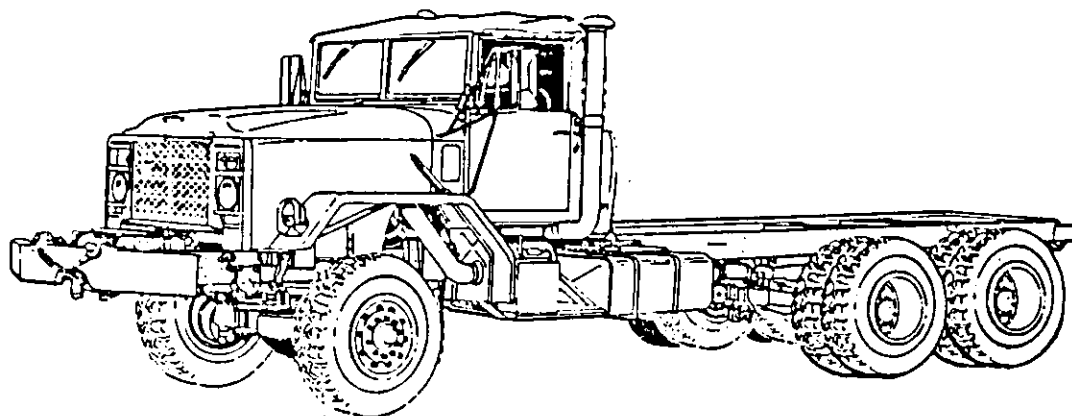
ARMY PART NO. 8750150 (W/W)

NSN 2320-01-205-2668 (W/W)

DATE: July 1985

AMCTC NO. 8286

STATUS: STD- A



## DESIGNATIONS

## VEHICLE DATA

<b>CURB WEIGHT, FULLY EQUIPPED LESS PAYLOAD AND CREW</b>	<b>W/W</b>
Front .....	12,060 Lbs.
Rear Bogie .....	11,490 Lbs.
Total .....	23,550 Lbs.
<b>PAYLOAD (maximum including body)</b> .....	16,000 Lbs.
<b>TOWED LOAD ALLOWANCE</b> .....	15,000 Lbs.
<b>SHIPPING DIMENSIONS</b>	
Cubic Feet .....	2,390
Square Feet .....	305
<b>LENGTH</b> .....	381.5 In.
<b>WIDTH (excluding mirrors)</b> .....	114.9 In.
<b>HEIGHT</b>	
Overall .....	121.3 In.
Reducible to Lowest Operable .....	94.2 In.
<b>ANGLE OF APPROACH (loaded)</b> .....	31°
<b>ANGLE OF DEPARTURE (loaded)</b> .....	32°
<b>ANGLE OF BREAKOVER (loaded)</b> .....	31°
<b>MINIMUM TURNING RADIUS (wall to wall)</b> .....	49.3 Ft.
<b>TRACK</b> — Front — 77.8 In. Rear — 81.0 In.	
<b>FORDING DEPTH</b> — With Kit — 80.0 In. Less Kit — 32.0 In.	
<b>ENGINE</b>	
Model — NHC-250 — 6 Cyl. In-Line — No. 11669328-1	
Compression Ignition .....	Fuel Injection
Displacement — 835 Cu. In.	Bore and Stroke — 5.5 x 4
Compression Ratio — 15.8:1	Fuel—Diesel, Octane/Cetane #40
Horsepower: Gross 240 @ 2100 RPM; Net 210 @ 2100 RPM	
Torque: Gross 658 lb-ft @ 1500 RPM; Net 600 lb-ft @ 1500 RPM	
Crankcase Capacity: W/O Filter — 24.0 Qts.; W/Filter — 28.0 Qts.	
Governor: Type — Mechanical	
Cooling System Capacity: 40.0 Qts., Pump Type Drive — 2 V-Belts	
Governed Speed: 2100 RPM at Full Load	
<b>FUEL SYSTEM</b> — Fuel Tanks Capacity — 81 Gals.; Fuel Pump, In-Tank; Fuel Injection, Injection Pump No. 3028791-3892.	
<b>CLUTCH</b> — None.	
<b>TRANSMISSION</b> — Automatic, No. 11669085, No. of Speeds — 5 Fwd, 1 Rev; Ratios: 1st — 4.17:1; 2nd — 2.21:1; 3rd — 1.66:1; 4th — 1.27:1; 5th — 1.0:1; Rev. — 10.76:1. PTO — One Opening — SAE 6-Bolt, Right Side of Transmission.	
Lubricant Capacity: W & W/O PTO — 17.0 Qts.	
<b>TRANSFER CASE</b> — W/O PTO No. 11669112	
No. of Speeds — 2, Ratios: High — 0.732:1, Low — 1.790:1	
Control of Front Axle Drive — Air-Actuated, Manual Engagement	
Lubricant Capacity 6.75 Qts.	
<b>AXLES</b> — Front: No. 12256540-1. Rear: No. 12256156 Qty. — 2	
Type — Single-Speed, Double Reduction, Ratio — 6.443:1	
Lubricant Capacity — 12.0 Qts. Each.	
<b>FRAME</b> — No. 12257053, Type — Rail Channel, Siderail Dimensions — 9 In. x 3 In. x 0.31 In.; Section Modulus 10.71 Cu. In.; No. of Crossmembers — 11; Reinforcement — .31 In. "L" Type, Combined Section Modulus — 24.4 Cu. In.	

## DESIGNATIONS

## VEHICLE DATA

<b>FRONT SPRINGS</b> — No. 7411110; Size — 3 In. Wide x 50 In. Long; No. of Leaves — 12; Rate — 2,271 Lb/In; Type — Semi-Elliptical; Shock Absorbers — Direct Acting, Qty. — 2.	
<b>REAR SPRINGS</b> — No. 7411114; Size — 4 In. Wide x 59.25 In. Long. No. of Leaves — 6, Rate — 6,434 Lb/In; Type — Semi-Elliptical, Inverted, Qty. — 2.	
<b>STEERING</b> — No. 11668993; Type — Hydraulic W/Power Assist; Ratio 20.4:1.	
<b>TIRES, TUBELESS W/BEAD LOCKS</b> — Size — 14.00R20; Load Rating — J; Tread Design — All Terrain; No. Spares — 1.	
<b>WHEELS</b> — No. 12302960; Type — Steel Disc, 20 In. Dia. x 10.00 In. Wide; Side Flange No. 12300570; Locking Ring No. 12300567; Front — Single; Rear — dual; Offset — 8.88 In.	
<b>BRAKES, SERVICE</b>	
Type — Air-Actuated Self-Adjusting; Front — Single Actuating; Rear — Dual Actuating	
Drum Size: Front & Rear — 15 In. Dia. x 7 In. Wide	
Total Effective Area: Front — 432 Sq. In., Rear — 864 Sq. In.	
<b>BRAKES, PARKING</b> — Combination Internal Expanding 12 In. Dia. x 3 In. Wide. Drum at Rear of Transfer Case and Four Spring Emergency/Parking Type on Rear Axles.	
<b>ELECTRICAL SYSTEM</b> — Waterproofed, Radio Suppressed Per MIL-STD-461. Potential — 24 Volts. Starting Motor — No. MS33011-1	
Alternator — No. 10929868; Rating — 60 Amp.; Drive — 2 V-Belts	
Batteries: Qty. — 4, Type — 12V — 6TN, No. MS35000-3. Trailer Coupling Socket — No. 8376209. Turn Signal — Solid State; Flasher — No. 11613631; Control — No. 11669166	
Lighting: Headlamps No. 8741462, B.O. Driving Lamp No. 8747988. Composite Lamps: Front — No. 11614156, Rear — No. 11614157	
<b>*PERFORMANCE</b> — Approx. 4.6 Miles Per Gallon, 500 Miles Cruising Range. Gradeability: With GVW of 40,150 Lbs., High — 1.4%, Low — 60% Maximum Speed — 63 MPH at Engine Governed Speed 2100 RPM.	
<b>CAB</b> — Type: Std. — Canvas; Arctic — Hardtop Kit; Capacity — 3.	
<b>WINCH</b> — No. 7412382; Capacity — 9,500 Lbs.; Wire Rope Cable — 0.625 In. Dia., Cable Length — 200 Ft.	
<b>PINTLE</b> — No. 8710630, Max. Vertical Load (Static) — 1,500 Lbs.	
<b>TIEDOWNS</b> — Total No. 15 (11 U-Bolts, No. 10883223, 6 Left Side and 5 Right Side); 2 Front Lifting Shackles — No. 12301040, 2 Rear Shackles — No. 7409523.	
<b>ON-VEHICLE EQUIPMENT (OVE)</b>	
Basic Issue Items — See Drawing No. 12300877	
Additional Authorization List Items — See Drawing No. 12300998	
<b>ACCESSORY/SUPPLEMENTAL KITS</b> — See Drawing No. 12302863	

\*W/Diesel Fuel — TYPE VV-F-800

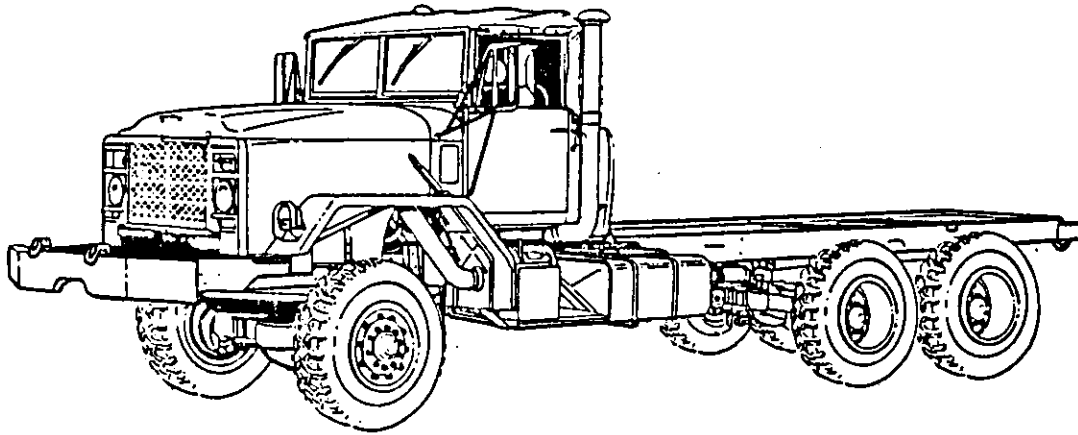
U.S. ARMY TANK-AUTOMOTIVE COMMAND  
WARREN, MICHIGAN 48397-5000

# CHASSIS CHARACTERISTICS

USATACOM

**NOMENCLATURE: CHASSIS, TRUCK,  
5-TON, 6X6, M944A1**  
ARMY PART NO. 8750149 (WO/W)  
NSN 2320-01-205-2667 (WO/W)

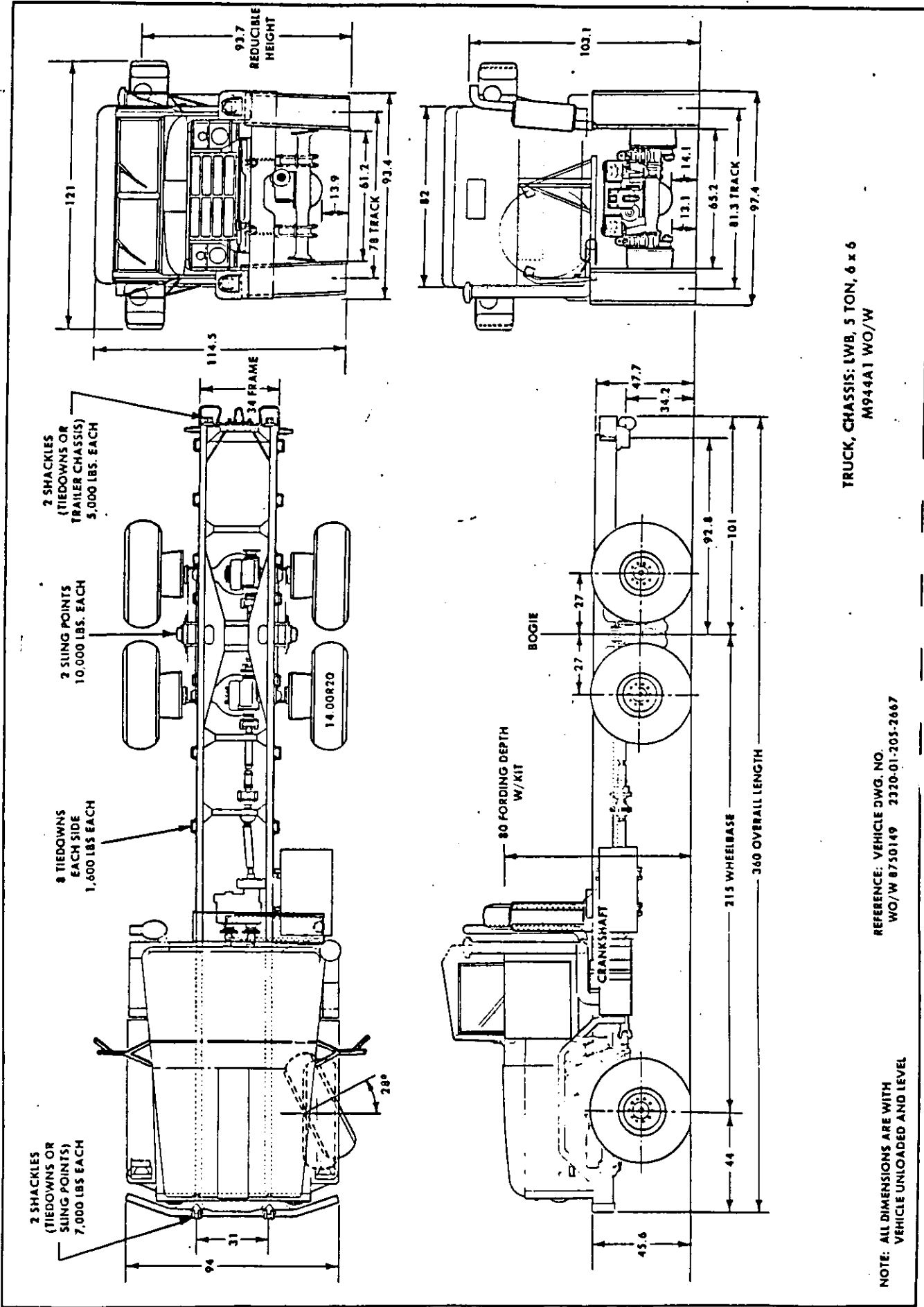
DATE: July 1985  
AMCTC NO. 8286  
STATUS: STD- A



DESIGNATIONS	VEHICLE DATA	DESIGNATIONS	VEHICLE DATA
<b>CURB WEIGHT, FULLY EQUIPPED</b>	WO/W	<b>FRONT SPRINGS</b> — No. 7411110; Size — 3 In. Wide x 30 In. Long;	
<b>LESS PAYLOAD AND CREW</b>		No. of Leaves — 12; Rate — 2,271 Lb/In; Type — Semi-Elliptical;	
Front .....	10,810 lbs.	Shock Absorbers — Direct Acting, Qty. — 2.	
Rear Bogie .....	9,670 lbs.	<b>REAR SPRINGS</b> — No. 8327139; Size — 4 In. Wide x 59.25 In. Long.	
Total .....	20,480 lbs.	No. of Leaves — 6; Rate — 6,434 Lb/In; Type — Beam Over Semi-Elliptical Leaf.	
<b>PAYLOAD (maximum including body)</b> .....	13,300 lbs.	Qty. — 2.	
<b>TOWED LOAD ALLOWANCE</b> .....	15,000 lbs.	<b>STEERING</b> — No. 11668993; Type — Hydraulic W/Power Assist; Ratio 20.4:1.	
<b>SHIPPING DIMENSIONS</b>		<b>TIRES, TUBELESS W/BEAD LOCKS</b> — Size — 14.00R20; Load Rating — J; Tread	
Cubic Feet .....	1,905	Design — All Terrain; No. Spares — 1.	
Square Feet .....	244	<b>WHEELS</b> — No. 1230115; Type — Two Piece Steel Disc, 20 In. Dia. x 10.00 In. Wide;	
<b>LENGTH</b> .....	360 In.	Front — Single; Rear — Single; Offset — 5.09 In.	
<b>WIDTH (excluding mirrors)</b> .....	97.4 In.	<b>BRAKES, SERVICE</b>	
<b>HEIGHT</b>		Type — Air-Actuated Self-Adjusting; Front — Single Actuating; Rear —	
Overall .....	120.8 In.	Dual Actuating	
Reducible to Lowest Operable .....	93.7 In.	Drum Size: Front & Rear — 15 In. Dia. x 7 In. Wide	
<b>ANGLE OF APPROACH (loaded)</b> .....	46°	Total Effective Area: Front — 432 Sq. In., Rear — 864 Sq. In.	
<b>ANGLE OF DEPARTURE (loaded)</b> .....	32°	<b>BRAKES, PARKING</b> — Combination Internal Expanding 12 In. Dia. x 3 In. Wide	
<b>ANGLE OF BREAKOVER (loaded)</b> .....	30°	Drum at Rear of Transfer Case and Four Spring Emergency/Parking Type on	
<b>MINIMUM TURNING RADIUS (wall to wall)</b> .....	47.2 Ft.	Rear Axles.	
<b>TRACK</b> — Front — 78.0 In. Rear — 81.3 In.		<b>ELECTRICAL SYSTEM</b> — Waterproofed, Radio Suppressed Per MIL-STD-461.	
<b>FORDING DEPTH</b> — With Kit — 80.0 In. Less Kit — 32.0 In.		Potential — 24 Volts. Starting Motor — No. MS53011-1	
<b>ENGINE</b>		Alternator — No. 10929868; Rating — 60 Amp.; Drive — 2 V-Belts	
Model — NHC-250 — 6 Cyl. In-Line		Batteries: Qty. — 4, Type — 12V — 6TN, No. MS33000-3, Trailer Coupling	
Compression Ignition	Fuel Injection	Socket — No. 8376209. Turn Signal — Solid State; Flasher — No. 11613631;	
Displacement — 855 Cu. In.	Bore and Stroke — 5.5 x 6	Control — No. 11669166	
Compression Ratio — 15.8:1	Fuel-Diesel, Octane/Cetane #40	Lighting: Headlamps No. 8741462. &O. Driving Lamp No. 8747988. Composite	
Horsepower: Gross 240 @ 2100 RPM; Net 210 @ 2100 RPM		Lamps: Front — No. 11614156, Rear — No. 11614157	
Torque: Gross 658 Lb-Ft @ 1500 RPM; Net 600 Lb-Ft @ 1500 RPM		<b>*PERFORMANCE</b> — Approx. 4.6 Miles Per Gallon. 350 Miles Cruising Range.	
Crankcase Capacity: W/O Filter — 24.0 Qts.; W/Filter — 28.0 Qts.		Gradeability: With GVW of 34,380 lbs., High — 1.7%, Low — 60%	
Governor: Type — Mechanical		Maximum Speed — 63 MPH at Engine Governed Speed 2100 RPM.	
Cooling System Capacity: 40.0 Qts.; Pump Type Drive — 2V-Belts		<b>CAB</b> — Type: Std. — Canvas; Arctic — Hardtop Kit; Capacity — 3.	
Governed Speed: 2100 RPM at Full Load		<b>WINCH</b> — None	
<b>FUEL SYSTEM</b> — Fuel Tank Capacity — 81 Gals.; Fuel Pump, In-Tank; Fuel		<b>PINTLE</b> — No. 8710630. Max. Vertical Load (Static) — 1,500 lbs.	
Injection, Injection Pump No. 3028791-3892.		<b>TIEDOWNS</b> — Total No. 20 (16 U-Bolts, No. 10883223, 8 Each Side); 2 Front	
<b>CLUTCH</b> — None.		Lifting Shackles — No. 12301040, 2 Rear Shackles — No. 7409523.	
<b>TRANSMISSION</b> — Automatic, No. 11669085. No. of Speeds — 5 Fwd, 1 Rev;		<b>ON-VEHICLE EQUIPMENT (OVE)</b>	
Ratios: 1st — 4.17:1; 2nd — 2.21:1; 3rd — 1.66:1; 4th — 1.27:1; 5th — 1.0:1; Rev. —		Basic Issue Items — See Drawing No. 12300877	
10.76:1. PTO — One Opening — SAE 6-Bolt, Right Side of Transmission.		Additional Authorization List Items — See Drawing No. 12300998	
Lubricant Capacity: W & W/O PTO — 17.0 Qts.		<b>ACCESSORY/SUPPLEMENTAL KITS</b> — See Drawing No. 12302863.	
<b>TRANSFER CASE</b> — W/O PTO, No. 11669112			
No. of Speeds — 2, Ratios: High — 0.732:1, Low — 1.790:1			
Control of Front Aale Drive — Air-Actuated, Manual Engagement			
Lubricant Capacity 6.75 Qts.			
<b>AXLES</b> — Front: No. 12256540. Rear: No. 12256156 Qty. — 2			
Type — Single-Speed, Double Reduction, Ratio — 6.443:1			
Lubricant Capacity — 12.0 Qts. Each.			
<b>FRAME</b> — No. 12256415. Type — Rail Channel, Siderail Dimensions — 9 In. x			
3 In. x 0.31 In.; Section Modulus 10.71 Cu. In.; No. of Crossmembers — 6;			
Reinforcement — .31 In. "I" Type, Combined Section Modulus — 24.4 Cu. In.			

\*W/Diesel Fuel — TYPE VV-F-800

**U.S. ARMY TANK-AUTOMOTIVE COMMAND  
WARREN, MICHIGAN 48397-5000**



TRUCK, CHASSIS: LWB, 5 TON, 6 x 6  
M944A1 WO/W

REFERENCE: VEHICLE DWG. NO.  
WO/W 8750149 2320-01-205-2667

NOTE: ALL DIMENSIONS ARE WITH  
VEHICLE UNLOADED AND LEVEL