LUBRICATION ORDER
JUNE 1990

ARMY LO 9-2320-272-12
AIR FORCE TO 36A12-1C-441LC-1

(Supersedes LO 9-2320-272-12, 11 April 1986)

TRUCK, 5-TON, 6X6, M939, M939A1 AND M939A2 SERIES (DIESEL)

TRUCK, CARGO: 5-TON, 6X6, DROPSIDE,
M923 (2320-01-050-2084), M923A1 (2320-01-206-4087), M923A2 (2320-01-230-0307)
M925 (2320-01-047-8769), M925A1 (2320-01-206-4088), M925A2 (2320-01-230-0308);
TRUCK, CARGO: 5-TON, 6X6
M924 (2320-01-047-8773), M924A1 (2320-01-205-2692),
M926 (2320-01-047-8772), M926A1 (2320-01-205-2693):
TRUCK, CARGO: 5-TON, 6X6, XLWB,
M927 (2320-01-047-8771), M927A1 (2320-01-206-4089), M927A2 (2320-01-230-0309),
M926 (2320-01-047-8770), M928A1 (2320-01-206-4090), M928A2 (2320-01-230-0310);
TRUCK, DUMP: 5-TON, 6X6,
M929 (2320-01-047-8756), M929A1 (2320-01-206-4079), M929A2 (2320-01-230-0305),
M930 (2320-01-047-8755), M930A1 (2320-01-206-4080), M930A2 (2320-01-230-0306);
TRUCK, TRACTOR: 5-TON, 6X6,
M931 (2320-01-04-8753), M931A1 (2320-01-206-4077), M931A2 (2320-01-230-0302),
M932 (2320-01-047-8752), M932A1 (2320-01-205-2684), M932A2 (2320-01-230-0303);
TRUCK, VAN, EXPANSIBLE: 5-TON 6X6,
M934 (2320-01-047-8750), M934A1 (2320-01-205-2662), M934A2 (2320-01-230-0300),
M935 (2320-01-047-8751), M935A1, (2320-01-205-2683), M935A2 (2320-01-230-0301);
TRUCK, MEDIUM WRECKER: 5-TON, 6X6,
M936 (2320-01-047-854), M936A1 (2320-01-206-4078), M936A2 (2320-01-230-0304)

REFERENCE: TM 9-2320-272-10, TM 9-2320-272-20-1, TM 9-2320-272-20-2 and TM 9-2320-356-24&P

Intervals (on-condition or hard time) and the related mm-hour times are based on normal operation. The man-hour time specified is the time you need to do all the services prescribed for a particular interval. On-condition (OC) oil sample intervals shall be applied unless changed by the army Oil Analysis Program (AOAP) laboratory. Change the hard time interval if your lubricants arecontaminated or if you are operating the equipment under adverse operating conditions. including longer-than-usual operating hours. The hard time interval may be extended during periods of low level activity. If extended, adequate preservation precautions must be taken. Bard time intervals will be applied in the event AOAP laboratory support is not available.

Clean fittings before lubricating. Clean parts with drycleaning solvent, (SD) type II or equivalent. Dry before lubricating Dotted arrows indicate required lubrication on both sides of the equipment.

Level of maintenance. The lowest level of maintenance authorized to lubricate a point is indicated by one of the following symbols: Operator/Crew (C); and Oragnizational Maintenance (0).

Relubricate after fording.

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this lubrication order. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to; Commander, US Army Tank-Automotive Command, ATTN: AMSTA-MB, Warren, Michigan 48397-5000. A reply will be furnished to you-

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—KEY—

LUBRICANTS	CAPACITIES	EXPECTED TEMPERATURES			INTERVALS
		Above +15°F (Above -9°C)	+60° to -15°F (+6° to -26°C)	+40° to -65°F (+4° to -54°C)	
OE/HDO-LUBRICATING OIL, INTERNAL COMBUSTION ENGINE (MIL-L-2104)					OC-On condition (AOAP)
OEA-LUBRICATING OIL, INTERNAL COMBUSTION ENGINE (ARCTIC) (MIL-L-46167)					C/MR-Change gear lubricant only when required by maintenance repair action, or if contaminated by water or other foreign materials.
OIL CAN POINTS		OE/HDO 30	OE/HDO 10	OEA	D-Daily-
CRANKCASE:		OE/HDO 30	OE/HDO 10	OEA	
M939 & M939A1 SERIES VEHICLES W/FILTER	27 qt (25.5 l)				W-Weekly, as required, depending upon use; otherwise, during INTERVAL M
M939A2 SERIES VEHICLES W/FILTER	20 qt (18.9 l)				
M939 AND M939A1 SERIES VEHICLES W/O FILTER	23 qt (21.8 l)				
M939A2 SERIES VEHICLES W/O FILTER	18 qt (17.0 l)				
TRANSMISSION:		OE/HDO 10	OE/HDO 10	OEA	M-1,000 miles* (1,600 km) or monthly, whichever occurs first
DRY	23 qt (21.8 l)				
W/PTO	25 qt (23.7 l)				
DRAIN & REFILL	17 qt (16.1 l)				Q-3,000 miles* (4,800 km) or 9 months, whichever occurs first
W/PTO	19 qt (18.0 l)				
STEERING AND HYDRAULIC SYSTEMS (INCLUDING STEERING GEARBOX):					S/S-3,000 miles* (4,800 km) or 6 months, whichever occurs first
STEERING SYSTEM RESERVOIR					
M939A AND M939A1	5 qt (4.7 l)	OE/HDO 10	OE/HDO 10	OEA	
M939A2	3 qt (2.8 l)	OE/HDO 10	OE/HDO 10	OEA	S-6,000 miles* (9,600 km) or 6 months, whichever occurs first
HYDRAULIC SYSTEMS:		OE/HDO 10	OE/HDO 10	OEA	
M925, M925A1, M925A2 CARGO W/W	32 qt (30.3 l)				A-12,000 miles* (19,000 km) or 12 months, whichever occurs first
M926, M926A1 CARGO W/W	32 qt (30.3 l)				
M928, M928A1, M928A2 XLWB CARGO W/W	32 qt (30.3 l)				
M929, M929A1, M929A2 DUMP W/O W	20 qt (18.9 l)				B-24,000 miles* (38,000 km) or 24 months, whichever occurs first
M930, M930A1, M930A2 DUMP W/W	25 qt (23.7 l)				
M932, M932A1, M932A2 TRACTOR W/W	32 qt (30.3 l)				
M935, M935A1, M935A2 EXPANSIBLE VAN	12 qt (11.4 l)				
M936, M936A1, M936A2 MEDIUM WRECKER	100 gal (378.5 l)				
GO-LUBRICATING OIL, GEAR MULTIPURPOSE (MIL-L-2105)					
TRANSFER CASE	6.5 qt (6.1 l)	GO 80/90	GO 80/90	GO 75	
FRONT DIFFERENTIAL	12 qt (11.4 l)	GO 80/90	GO 80/90	GO 75	
REAR DIFFERENTIAL	12 qt (11.4 l)	GO 80/90	GO 80/90	GO 75	
FRONT WINCH GEARCASE	2.6 pt (1.2 l)	GO 80/90	GO 80/90	GO 75	
REAR WINCH GEARCASE	3 pt (1.4 l)	GO 80/90	GO 80/90	GO 75	

FOR ARCTIC OPERATION, REFER TO FM 9-207

* See note 1.

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—KEY— (Cont'd)

LUBRICANTS	CAPACITIES	EXPECTED TEMPERATURES			INTERVALS	FOR ARCTIC OPERATION, REFER TO FM 9-207
		Above +15°F (Above -9°C)	+40° to -15°F (+4° to -26°C)	+40° to -65°F (+4° to -54°C)		
GAA-GREASE, AUTOMOTIVE AND ARTILLERY (MIL-G-10924)	X	ALL TEMPERATURES			X	
CW-LUBRICATING OIL, CHAIN, WIRE-ROPE, AND EXPOSED-GEAR (VV-L-751) WINCH WIRE ROPE	X	Above +80°F(+27°C)	+80° to +30°F (+27° to -1°C)	+30° to -30°F (-1° to -34°C)	-30° to -65°F (-34° to -54°C)	
		CW-IIC	CW-IIB	CW-IIA	GO 75	
GW-GREASE, WIRE-ROPE AND EXPOSED GEAR (MIL-G-18458)	X	ALL TEMPERATURES				

TOTAL MAN-HOURS

	D	W	M	Q	S	3/S	A	B	C/MR	OC
TRUCK, CHASSIS: 5-TON, 6X6, M939, M939A1, M940, M940A1, M941, M941A1, M942, M942A1, M943, M942A2, M943, M944, M944A1, M944A2, M945, M945A1	.3		.7	5.4	2.0	.5	2.1	.5	3.9	1.5
TRUCK, CARGO, DROPSIDE: 5-TON, 6X6, M923, M923A1, M923A2, M925, M925A1, M925A2	.3		.7	5.4	2.0	.5	2.1	.5	3.9	1.5
TRUCK, CARGO: 5-TON, 6X6, M924, M924A1, M926, M926A1	.3		.7	5.4	2.0	.5	2.1	.5	3.9	1.5
TRUCK, CARGO: 5-TON, 6X6, M927, M927A1, M927A2, M928, M928A1, M928A2	.3		.7	5.4	2.0	.6	2.1	.5	3.9	1.5
TRUCK, DUMP: 5-TON, 6X6, M929, M929A1, M929A2, M930, M930A1, M930A2	.3	.1	.7	5.4	2.3	.7	2.5	.5	3.9	1.5
TRUCK, TRACTOR: 5-TON, 6X6, M931, M931A1, M931A2, M932, M932A1, M932A2	.3		.7	5.7	2.0	.5	2.1	.5	3.9	1.5
TRUCK, VAN, EXPANSIBLE: 5-TON, 6X6, M934, M934A2, M935	.3		.7	5.4	2.7	.7	2.7	.5	4.9	1.5
TRUCK, VAN, EXPANSIBLE: 5-TON, 6X6, M934A1, M935A1, M935A2	.3		.7	5.4	2.7	.7	3.0	.5	4.9	1.5
TRUCK, WRECKER: 5-TON, 6X6, M936, M936A1 M936A2	.5	.2	1.0	5.4	9.8	.9	3.1	.5	4.9	1.5

NOTE

The man-hours shown above have been established on an individual vehicle basis and therefore are not applicable at maintenance facilities where production line methods are used.

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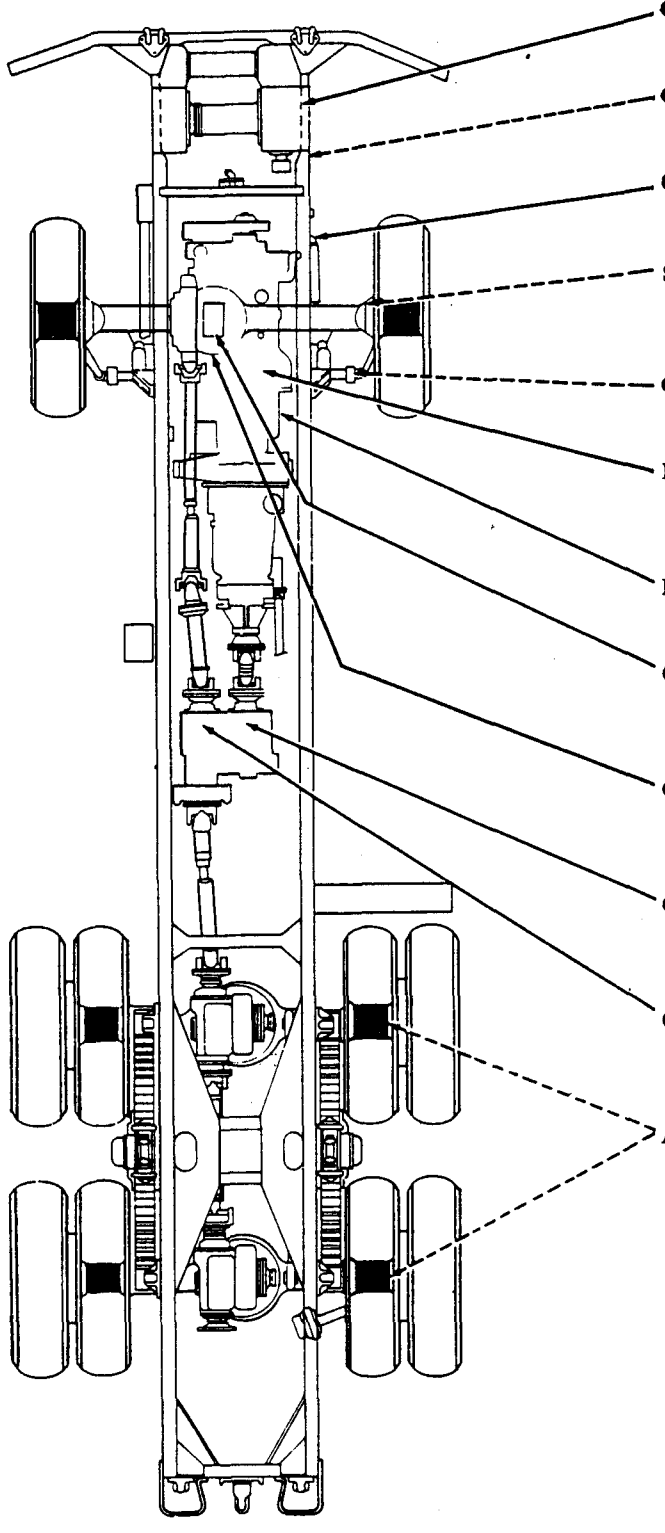
NOTE

Lubrication entries followed by (LV) have localized views showing the appropriate lubrication points. Localized views begin on card 17.

INTERVAL • LUBRICANT



C/MR	GO	Front Winch Gear (LV-CD) (O)
Q	GAA	Spring Bolt (See note 26) (LV-D) (O)
Q	GAA	Power Steering Cylinder (2 fittings) (LV-AE) (O)
S	GAA	Front Axle Universal Joints and Steering Knuckle Bearings (See note 7) (LV-K, L) (O)
Q	GAA	Tie Rod (LV-M) (O)
D	OE/ HDO	Crankcase Fill (See key, card 2) (See note 2) (LV-N) (C)
D	OE/ HDO	Crankcase Level (Check level) (See note 2) (C)
C/MR	GO	Differential Drain (Drain and refill) (See note 6) (LV-J, H) (O)
Q	GO	Differential Fill and Level (Check level) (See key, card 2) (See note 6) (O)
Q	GO	Transfer Case Fill and Level (Check level) (See key, card 2) (LV-P) (O)
C/MR	GO	Transfer Case Drain (Drain and refill) (See note 6) (LV-Q) (O)
A	GAA	Rear Wheel Bearings (See note 24) (O)

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