

**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 are contaminated 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. Hard 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 Organizational Maintenance (O).

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)	+40° to -15°F (+4° to -26°C)	+40° to -65°F (+4° to -54°C)	
OE/HDO-LUBRICATING OIL INTERNAL COM- BUSTION ENGINE (MIL-L-2104)					<p>OC-On condition (AOAP)</p> <p>C/MR-Change gear lubricant only when required by maintenance repair action, or if contaminated by water or other foreign materials.</p> <p>D-Daily</p> <p>W-Weekly, as required, depending upon use; otherwise, during INTERVAL M</p> <p>M-1,000 miles* (1,600 km) or monthly, whichever occurs first</p> <p>Q-3,000 miles* (4,800 km) or 3 months, whichever occurs first</p> <p>S/S-2,000 miles* (4,800 km) or 6 months, whichever occurs first</p> <p>S-6,000 miles* (9,600 km) or 6 months, whichever occurs first</p> <p>A-12,000 miles* (19,000 km) or 12 months, whichever occurs first</p> <p>B-24,000 miles* (38,000 km) or 24 months, whichever occurs first</p>
OEA-LUBRICATING OIL INTERNAL COM- BUSTION ENGINE (ARCTIC) (MIL-L-46167)					
OIL CAN POINTS		OE/HDO 30	OE/HDO 10	OEA	
CRANKCASE:		OE/HDO 30	OE/HDO 10	OEA	
M939 & M939A1 SERIES VEHICLES W/FILTER	27 qt (25.5 l)				
M939A2 SERIES VEHICLES W/FILTER	20 qt (18.9 l)				
M939 AND M939A1 SERIES VEHICLES WO FILTER	23 qt (21.8 l)				
M939A2 SERIES VEHICLES WO FILTER	18 qt (17.0 l)				
TRANSMISSION:		OE/HDO 10	OE/HDO 10	OEA	
DRY	23 qt (21.8 l)				
W/PTO	25 qt (23.7 l)				
DRAIN & REFILL W/PTO	17 qt (16.1 l)				
STEERING AND HYDRAULIC SYSTEMS (INCLUDING STEER- ING GEARBOX):					
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	
HYDRAULIC SYSTEMS:		OE/HDO 10	OE/HDO 10	OEA	
M925, M925A1, M925A2 CARGO W/W	32 qt (30.3 l)				
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 WO/W	20 qt (18.9 l)				
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 8-207

* See note 1.

-KEY- (Cont'd)

LUBRICANTS	CAPACITIES	EXPECTED TEMPERATURES			INTERVALS
		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)
	X	CW-IIC	CW-IIB	CW-IIA	GO 75
GW-GREASE, WIRE-ROPE AND EXPOSED GEAR (MIL-G-18458)	X	ALL TEMPERATURES			

FOR ARCTIC OPERATION, REFER TO FM 9-207

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

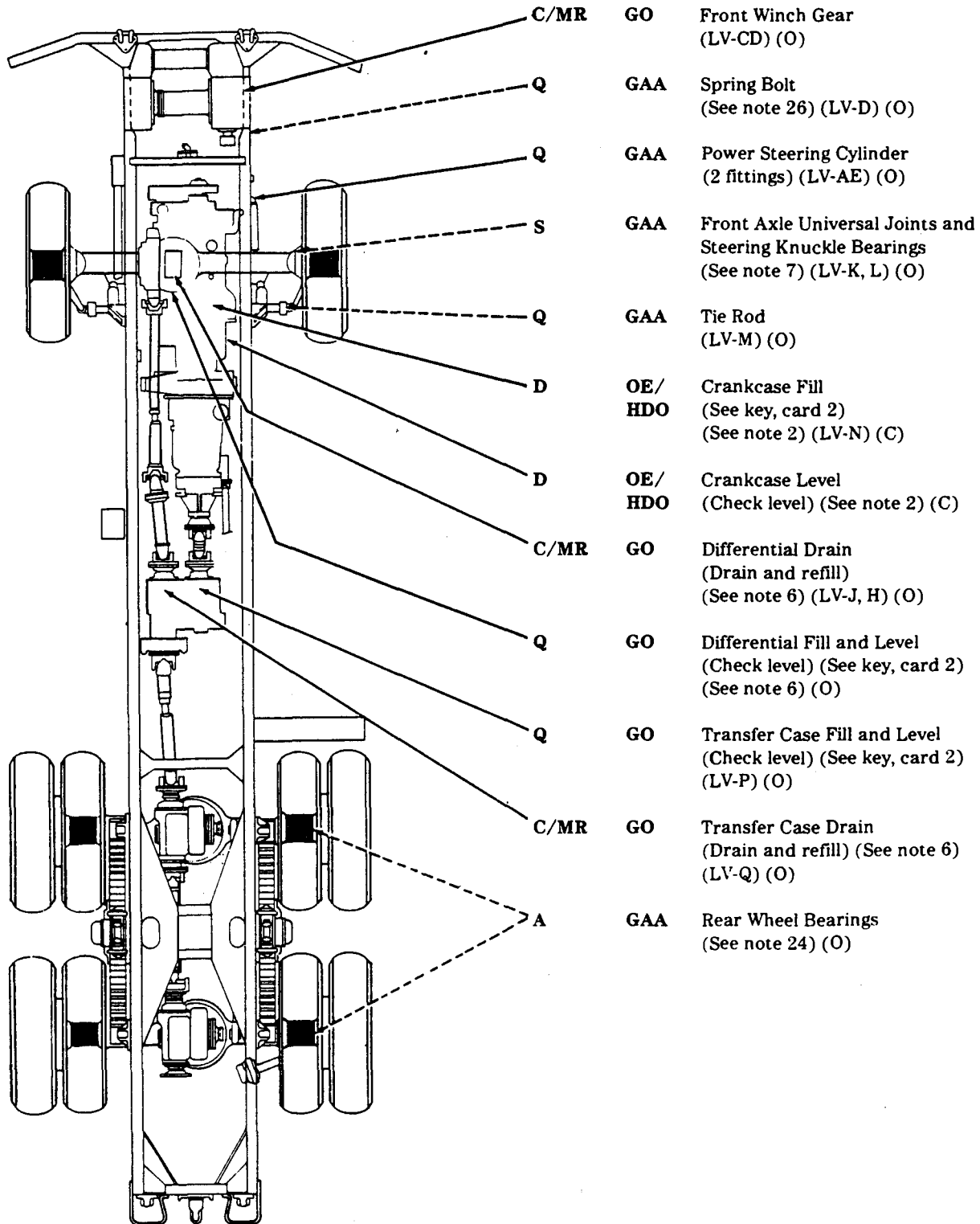
The man-hours shown above have been established on an individual vehicle basis and therefore are not applicable at maintenance facilities where production line methods are used.

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NOTE

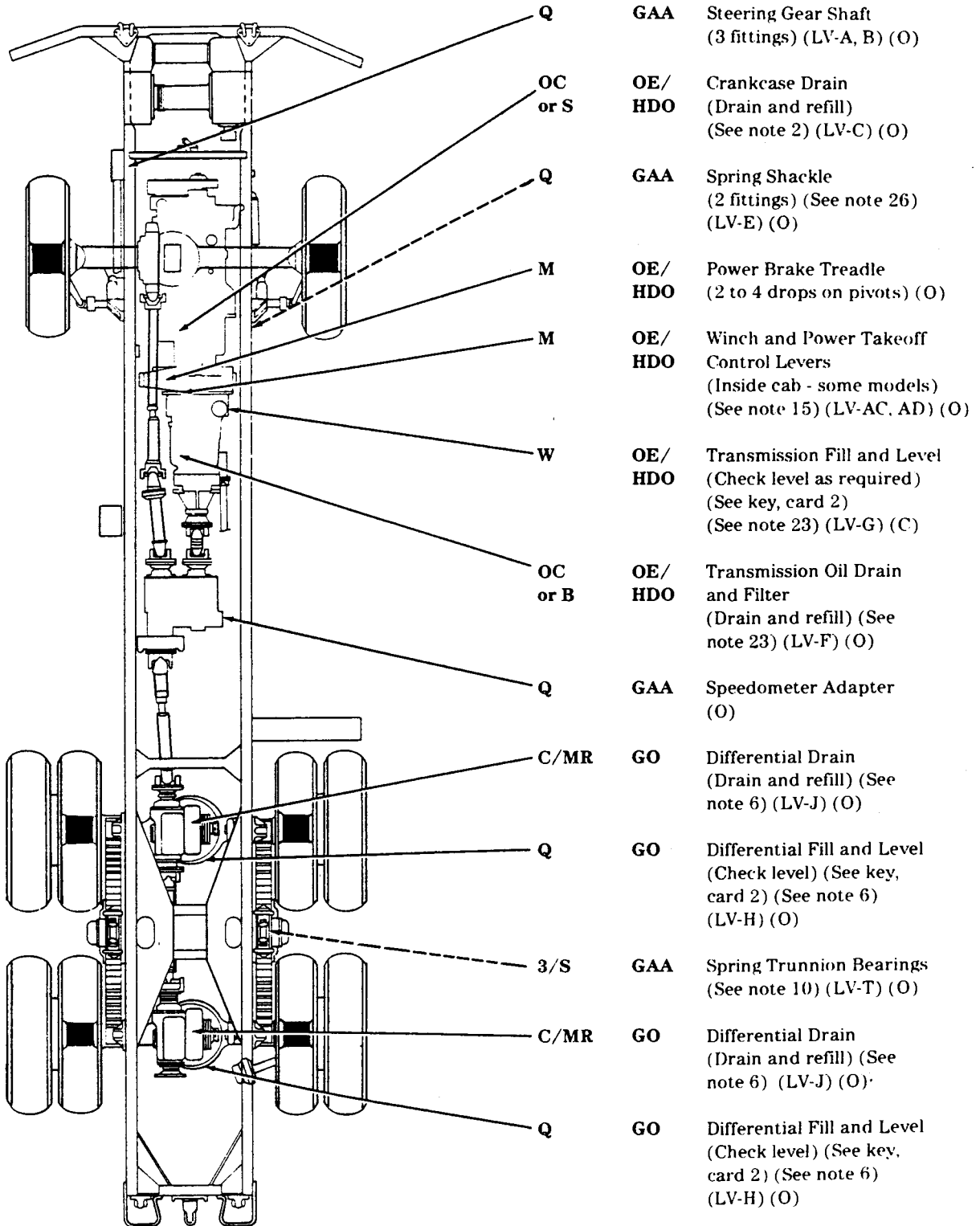
Lubrication entries followed by (LV) have localized views showing the appropriate lubrication points. Localized views begin on card 17.

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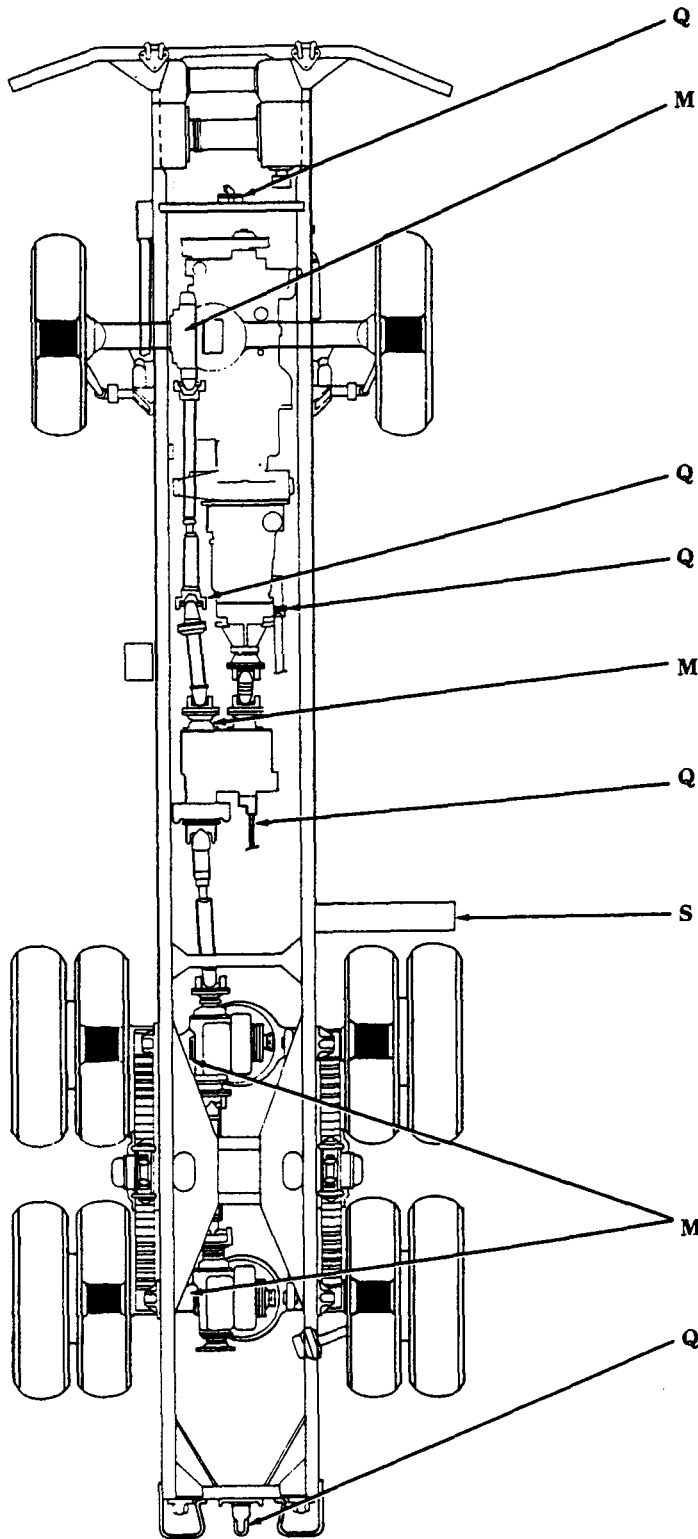
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- GAA** Steering Gear Shaft
(3 fittings) (LV-A, B) (O)
- OE/
HDO** Crankcase Drain
(Drain and refill)
(See note 2) (LV-C) (O)
- GAA** Spring Shackle
(2 fittings) (See note 26)
(LV-E) (O)
- OE/
HDO** Power Brake Treadle
(2 to 4 drops on pivots) (O)
- OE/
HDO** Winch and Power Takeoff
Control Levers
(Inside cab - some models)
(See note 15) (LV-AC, AD) (O)
- OE/
HDO** Transmission Fill and Level
(Check level as required)
(See key, card 2)
(See note 23) (LV-G) (C)
- OE/
HDO** Transmission Oil Drain
and Filter
(Drain and refill) (See
note 23) (LV-F) (O)
- GAA** Speedometer Adapter
(O)
- GO** Differential Drain
(Drain and refill) (See
note 6) (LV-J) (O)
- GO** Differential Fill and Level
(Check level) (See key,
card 2) (See note 6)
(LV-H) (O)
- GAA** Spring Trunnion Bearings
(See note 10) (LV-T) (O)
- GO** Differential Drain
(Drain and refill) (See
note 6) (LV-J) (O)
- GO** Differential Fill and Level
(Check level) (See key,
card 2) (See note 6)
(LV-H) (O)

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- Q** **GAA** Hood Trunnion
(1 fitting) (O)

- M** **OE/
HDO** Axle Breather
(All axles) (Keep breather
and area clean) (LV-AB) (O)

- Q** **GAA** Universal and Slip Joint
(See note 8) (LV-X, Y) (O)
- Q** **GAA** Power Takeoff Universal Joint
(Some models) (See note 8)
(LV-U, V) (O)
- M** **OE/
HDO** Transfer Case Shift
Linkage Pins
(See note 15) (LV-Z) (O)
- Q** **GAA** Power Takeoff Universal
and Slip Joint
(Some models) (See note 8)
(LV-X, Y) (O)
- S** **OE/
HDO** Winch Reservoir
(Fill to top notch on
dipstick) (See key, card 2) (C)

- M** **OE/
HDO** Axle Breather
(All axles) (Keep breather
and area clean) (LV-AB) (O)

- Q** **GAA** Towing Pintle
(3 fittings) (LV-AA) (O)

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