

TM 9-2320-209-20-3-2

T.O. 36A12-1B-1092-1-3

TECHNICAL MANUAL

VOLUME 3 OF 3

PART 2 OF 4

MAINTENANCE

ORGANIZATIONAL LEVEL

2½-TON, 6x6, M44A1 AND M44A2 SERIES TRUCKS

(MULTIFUEL)

TRUCK, CARGO: M35A1,

M35A2, M35A2C, M36A2; TRUCK,

TANK, FUEL: M49A1C, M49A2C; TRUCK, TANK,

WATER: M50A1, M50A2, M50A3; TRUCK, VAN,

SHOP: M109A2, M109A3; TRUCK, REPAIR SHOP:

M185A2, M185A3; TRUCK, TRACTOR: M275A1,

M275A2; TRUCK, DUMP: M342A2; TRUCK,

MAINTENANCE, PIPELINE CONSTRUCTION:

M756A2; TRUCK, MAINTENANCE,

EARTH BORING AND POLESETTING: M764

Chapter 13
Brake System

Chapter 14
Wheel System

Chapter 15
Steering System

Chapter 16
Frame and Towing
Attachments

Chapter 17
Springs and
Shock Absorbers

NOTE:

THE STYLE OF THIS TM IS
EXPERIMENTAL. IT IS BEING TRIED
BY THE ARMY ONLY ON
A LIMITED BASIS

DEPARTMENTS OF THE ARMY AND THE AIR FORCE

MAY 1981

***TM 9-2320-209-20-3-2**

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NO. 9-2320-209-20-3-2
TECHNICAL ORDER
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DEPARTMENTS OF THE ARMY
AND
THE AIR FORCE
Washington, D. C., 27 May 1981

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2½-TON 6X6, M44A1 AND M44A2 SERIES TRUCKS

(MULTIFUEL)

Model		NSN without Winch	NSN with Winch
Truck, Cargo	M35A1	2320-00-542-5633	2320-00-542-5634
	M35A2	2320-00-077-1616	2320-00-077-1617
	M35A2C	2320-00-926-0873	2320-00-926-0875
	M36A2	2320-00-077-1618	2320-00-077-1619
Truck, Tank, Fuel	M49A1C	2320-00-440-3349	2320-00-440-3346
	M49A2C	2320-00-077-1631	2320-00-077-1632
Truck, Tank, Water	M50A1	2320-00-440-8307	2320-00-440-8305
	M50A2	2320-00-077-1633	2320-00-077-1634
	M50A3	2320-00-937-4036	2320-00-937-5264
Truck, Van, Shop	M109A2	2320-00-440-8313	2320-00-440-8308
	M109A3	2320-00-077-1636	2320-00-077-1637
Truck, Repair Shop	M185A2	4940-00-987-8799	
	M185A3	4940-00-077-1638	4940-00-077-1639
Truck, Tractor	M275A1	2320-00-446-2479	
	M275A2	2320-00-077-1640	2320-00-077-1641
Truck, Dump	M342A2	2320-00-077-1643	2320-00-077-1644
Truck, Maintenance, Pipeline Construction	M756A2		2320-00-904-3277
Truck, Maintenance, Earth Boring and Polesetting	M764		2320-00-937-5980

*This manual, together with TM 9-2320-209-20-1, 27 May 1981; TM 9-2320-209-20-2-1, 27 May 1981; TM 9-2320-209-20-2-2, 27 May 1981; TM 9-2320-209-20-3-1, 27 May 1981; TM 9-2320-209-20-3-3, 27 May 1981; and TM 9-2320-209-20-3-4, 27 May 1981 supersedes TM 9-2320-209-20-1, 31 August 1978.

REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedure, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, US Army Tank-Automotive Command, ATTN: DRSTA-MB, Warren, Michigan 48090. A reply will be furnished to you.

TABLE OF CONTENTS

	Paragraph	Page
CHAPTER 13. BRAKE SYSTEM GROUP MAINTENANCE		
Section I. Scope		13-1
Equipment Items Covered	13-1	13-1
Equipment Items Not Covered	13-2	13-1
Section II. Handbrake Assembly and Related Parts		13-1
Handbrake Brake Drum Removal and Replacement	13-3	13-1
Preliminary Procedure	13-3 a	13-1
Removal	13-3 b	13-2
Replacement	13-3 c	13-6
Handbrake Brakeshoes Removal and Replacement	13-4	13-10
Removal	13-4 a	13-10
Replacement	13-4 b	13-14
Handbrake Cable Assembly Removal and Replacement	13-5	13-18
Preliminary Procedure	13-5 a	13-18
Removal of Overcentering Locking Handbrake Lever Cable	13-5 b	13-18
Removal of Ratchet and Pawl Handbrake Lever Cable	13-5 c	13-23
Replacement of Overcenter Locking Handbrake Lever Cable	13-5 d	13-27
Replacement of Ratchet and Pawl Handbrake Lever Cable	13-5 e	13-32
Handbrake Lever Assembly Removal and Replacement	13-6	13-37
Removal	13-6 a	13-37
Replacement	13-6 b	13-40
Handbrake Cable and Lever Assembly Adjustment	13-7	13-43
Section III. Service Brake		13-49
Service Brakeshoe Assembly Removal and Replacement	13-8	13-49
Preliminary Procedure	13-8 a	13-49
Removal	13-8 b	13-49
Replacement	13-8 C	13-54

TABLE OF CONTENTS-CONT

	Paragraph	Page
	Service Brakes Minor Adjustment	13-9 13-61
	Service Brakes Major Adjustment	13-10 13-63
Section IV. Hydraulic Brake System		13-73
	Hydraulic Wheel Cylinder Removal and Replacement	13-11 13-73
	Preliminary Procedure	13-11a 13-73
	Removal	13-11b 13-73
	Replacement	13-11c 13-75
	Master Cylinder Assembly Removal and Replacement	13-12 13-78
	Removal	13-12a 13-78
	Replacement	13-12b 13-83
	Hydraulic Lines, Hoses, and Fittings	
	Removal and Replacement	13-13 13-87
	Removal	13-13a 13-88
	Replacement	13-13b 13-97
	Air Hydraulic Cylinder Removal and Replacement	13-14 13-107
	Preliminary Procedure	13-14a 13-107
	Removal	13-14b 13-107
	Replacement	13-14c 13-112
	Bleeding Service Brake System Using Bleeder Tank	13-15 13-117
	Connecting Bleeding Tank	13-15a 13-117
	Bleeding Air Hydraulic Cylinder.	13-15b 13-120
	Bleeding Wheel Cylinders	13-15c 13-122
	Disconnecting Bleeder Tank	13-15d 13-124
	Bleeding Service Brake System Without Using Bleeder Tank	13-16 13-127
	Filling Master Cylinder	13-16a 13-127
	Bleeding Air Hydraulic Cylinder	13-16b 13-128
	Bleeding Wheel Cylinders	13-16c 13-131
Section V. Mechanical Brake System		13-134
	Brake Pedal Removal and Replacement	13-17 13-134
	Preliminary Procedure	13-17a 13-134
	Removal	13-17b 13-134
	Replacement	13-17c 13-139
	Brake Pedal Pad Removal and Replacement	13-18 13-144
	Removal	13-18a 13-144
	Replacement	13-18b 13-145
	Service Brake Pedal Adjustment	13-19 13-146
Section VI. Air Brake System		13-148
	Vent Air System Pressure	13-20 13-148
	Air System Lines and Fittings	13-21 13-149
	Preliminary Procedure	13-21a 13-149
	Removal	13-21b 13-150
	Replacement	13-21c 13-156

TABLE OF CONTENTS-CONT

	Paragraph	Page
Air Brake Valve Removal and Replacement	13-22	13-162
Preliminary Procedure	13-22a	13-162
Removal	13-22b	13-162
Replacement	13-22c	13-164
Air Brake Hand Control Valve Repair	13-23	13-166
Removal	13-23a	13-166
Replacement	13-23b	13-168
Air Brake Hand Control Valve Removal and Replacement	13-24	13-170
Removal	13-24a	13-170
Replacement	13-24b	13-174
Air System Safety Valve Removal and Replacement	13-25	13-180
Preliminary Procedures	13-25a	13-180
Removal	13-25b	13-181
Replacement	13-25c	13-182
Air Reservoirs Removal and Replacement (Trucks M275A1, M2725A2, and M342A2)	13-26	13-183
Preliminary Procedures	13-26a	13-183
Removal	13-26b	13-183
Replacement	13-26c	13-187
Air Reservoirs Removal and Replacement (Trucks M49A1C and M49A2C)	13-27	13-191
Preliminary Procedures	13-27a	13-191
Removal	13-27b	13-191
Replacement	13-27c	13-197
Air Reservoirs Removal and Replacement (Trucks M35A2C , M50A2, M109A3, M185A3 and M756A2)	13-28	13-203
Preliminary Procedures	13-28a	13-203
Removal	13-28b	13-203
Replacement	13-28c	13-210
Air Reservoirs Removal and Replacement (Truck M764)	13-29	13-217
Preliminary Procedures	13-29a	13-217
Removal	13-29b	13-217
Replacement	13-29c	13-223
Air Reservoirs Removal and Replacement (Truck M35A1)	13-30	13-229
Preliminary Procedures	13-30a	13-229
Removal	13-30b	13-229
Replacement	13-30c	13-233
Section VII. Compressed Air System		13-237
Air Compressor Removal and Replacement	13-31	13-237
Preliminary Procedures	13-31a	13-237
Removal	13-31b	13-238
Replacement	13-31c	13-242

TABLE OF CONTENTS-CONT

	Paragraph	Page
Air Compressor Service	13-32	13-247
Preliminary Procedure	13-32a	13-247
Removal	13-32b	13-247
Disassembly and Service	13-32c	13-248
Assembly	13-32d	13-249
Replacement	13-32e	13-250
Air Compressor Belt and Pulley Removal and Replacement	13-33	13-251
Preliminary Procedures	13-33a	13-251
Removal	13-33b	13-252
Replacement	13-33c	13-254
Air Compressor Drive Belt Removal, Replacement, and Adjustment	13-34	13-258
Preliminary Procedures	13-34a	13-258
Removal	13-34b	13-258
Replacement and Adjustment	13-34c	13-259
Air Compressor Governor Assembly Removal and Replacement	13-35	13-260
Preliminary Procedures	13-35a	13-260
Removal	13-35b	13-260
Replacement	13-35c	13-262
Air Compressor Governor Pressure Check and Adjustment	13-36	13-264
Pressure Check	13-36a	13-264
Adjustment (Air Pressure More Than 105 psi)	13-36b	13-265
Adjustment (Air Pressure Less Than 105 psi)	13-36c	13-266
Section VIII. Trailer Brake Connections		13-267
Quick Disconnect Coupling Half Removal and Replacement	13-37	13-267
Preliminary Procedures	13-37a	13-267
Removal	13-37b	13-267
Replacement	13-37c	13-268
Quick Disconnect Coupling Half Repair	13-38	13-269
Air Brake Cutoff Cocks and Couplings Removal and Replacement (All Trucks Except M764)	13-39	13-270
Preliminary Procedures	13-39a	13-270
Removal	13-39b	13-271
Replacement	13-39c	13-273
Air Brake Cutoff Cocks and Couplings Removal and Replacement (Truck M764)	13-40	13-275
Preliminary Procedures	13-40a	13-275
Removal	13-40b	13-276
Replacement	13-40c	13-277

TABLE OF CONTENTS -CONT

	Paragraph	Page
Air Brake Hose Removal and Replacement	13-41	13-278
Preliminary Procedure	13-41a	13-278
Removal	13-41b	13-278
Replacement	13-41c	13-281
Air Brake Hose Repair	13-42	13-283
Preliminary Procedure	13-42a	13-283
Repair	13-42b	13-283
CHAPTER 14. WHEEL GROUP MAINTENANCE		
Section I. Scope		14-1
Equipment Items Covered	14-1	14-1
Equipment Items Not Covered	14-2	14-1
Section II. Front Wheel Assembly		14-1
Front Wheel and Brake Drum Assembly		
Removal and Replacement	14-3	14-1
Preliminary Procedure	14-3a	14-1
Removal	14-3b	14-1
Replacement	14-3c	14-6
Front Hub and Brake Drum Assembly		
Removal and Replacement	14-4	14-11
Preliminary Procedure	14-4a	14-11
Removal	14-4b	14-11
Replacement	14-4c	14-15
Front and Rear Hub and Brake Drum		
Assembly Repair	14-5	14-20
Preliminary Procedure	14-5a	14-20
Front Hub and Brake Drum	14-5b	14-20
Rear Hub and Brake Drum... ..	14-5c	14-26
Front Wheel Bearing Cover and Seals		
Removal and Replacement for Service	14-6	14-32
Preliminary Procedure	14-6a	14-32
Removal	14-6b	14-32
Cleaning	14-6c	14-33
Inspection	14-6d	14-34
Lubrication	14-6e	14-35
Replacement	14-6f	14-36
Front Inner and Outer Wheel Bearings		
and Seals Removal and Replacement	14-7	14-37
Preliminary Procedure	14-7a	14-37
Removal	14-7b	14-37
Cleaning	14-7c	14-40
Inspection	14-7d	14-41
Lubrication	14-7e	14-42
Replacement	14-7f	14-43
Section III. Rear Wheel Assembly		14-46
Rear Wheels and Brake Drum Assembly		
Removal and Replacement	14-8	14-46
Preliminary Procedure	14-8a	14-46
Removal	14-8b	14-46
Replacement	14-8c	14-50

TABLE OF CONTENTS-CONT

	Paragraph	Page
Rear Hub and Brake Drum Assembly		
Removal and Replacement	14-9	14-55
Preliminary Procedure	14-9a	14-55
Removal	14-9b	14-55
Replacement	14-9c	14-59
Rear Inner and Outer Wheel Bearings and		
Seals Removal and Replacement	14-10	14-64
Preliminary Procedure	14-10a	14-64
Removal	14-10b	14-64
Cleaning	14-10c	14-67
Inspection	14-10d	14-68
Lubrication	14-10e	14-69
Replacement	14-10f	14-70
Rear Wheel Bearing Cones and Seals		
Removal and Replacement for Service	14-11	14-73
Preliminary Procedure	14-11a	14-73
Removal	14-11b	14-73
Cleaning	14-11c	14-74
Inspection	14-11d	14-75
Lubrication	14-11e	14-76
Replacement	14-11f	14-77
Section IV. Tires		14-78
Tire and Tube	14-12	14-78
Preliminary Procedure	14-12a	14-78
Removal	14-12b	14-78
Replacement	14-12c	14-83
CHAPTER 15. STEERING SYSTEM GROUP MAINTENANCE		
Section I. Scope		15-1
Equipment Items Covered	15-1	15-1
Equipment Items Not Covered	15-2	15-1
Section II. Mechanical Steering Gear Assembly		15-1
Front Wheel Alinement	15-3	15-1
Preliminary Procedures	15-3a	15-1
Toe-in Check and Adjustment	15-3b	15-2
Pitman Arm Removal and Replacement	15-4	15-8
Removal	15-4a	15-8
Replacement	15-4b	15-10
Steering Gear Adjustment	15-5	15-12
Preliminary Procedure	15-5a	15-12
Adjustment	15-5b	15-12
Tie Rod End Removal and Replacement	15-6	15-18
Preliminary Procedure	15-6a	15-18
Removal	15-6b	15-18
Replacement	15-6c	15-20
Drag Link Assembly Removal and		
Replacement	15-7	15-22
Preliminary Procedure	15-7a	15-22
Removal	15-7b	15-22
Replacement	15-7c	15-25

TABLE OF CONTENTS-CONT

	Paragraph	Page
Drag Link Assembly Repair	15-8	15-29
Drag Link Adjustment	15-9	15-30
Steering Wheel Removal and Replacement	15-10	15-31
Preliminary Procedures	15-10a	15-31
Removal	15-10b	15-32
Replacement	15-10c	15-35
CHAPTER 16. FRAME AND TOWING ATTACHMENTS GROUP MAINTENANCE		
Section I. Scope		16-1
Equipment Items Covered	16-1	16-1
Equipment Items Not Covered	16-2	16-1
Section II. Pintle and Towing Attachments		16-1
Front Lifting Shackle Removal and Replacement	16-3	16-1
Preliminary Procedure	16-3a	16-1
Removal	16-3b	16-2
Replacement	16-3c	16-5
Rear Lifting Shackle Removal and Replacement	16-4	16-8
Removal	16-4a	16-8
Replacement	16-4b	16-9
Pintle Hook Removal and Replacement	16-5	16-10
Removal	16-5a	16-10
Replacement	16-5b	16-11
Pintle Hook Repair	16-6	16-12
Preliminary Procedure	16-6a	16-12
Disassembly	16-6b	16-12
Assembly	16-6c	16-15
Section III. Spare Wheel Carrier		16-17
Spare Wheel Carrier Removal and Replacement (All Trucks Except (M342A2)	16-7	16-17
Preliminary Procedures	16-7a	16-17
Removal	16-7b	16-18
Replacement	16-7c	16-19
Spare Wheel Carrier Repair (All Trucks Except Truck M342A2)	16-8	16-20
Preliminary Procedure	16-8a	16-20
Disassembly	16-8b	16-20
Assembly	16-8c	16-23
Spare Wheel Carrier Removal and Replacement (Truck M342A2)	16-9	16-25
Preliminary Procedure	16-9a	16-25
Removal	16-9b	16-25
Replacement	16-9c	16-29
Spare Wheel Carrier Repair (Truck M342A2)... Preliminary Procedure	16-10	16-34
Disassembly	16-10a	16-34
Repair	16-10b	16-34
Assembly	16-10c	16-41
	16-10d	16-41

TABLE OF CONTENTS-CONT

	Paragraph	Page
Section IV. Fifth Wheel Assembly		16-48
Fifth Wheel Assembly Removal and Replacement	16-11	16-48
Removal	16-11a	16-48
Replacement	16-11b	16-51
CHAPTER 17. SPRINGS AND SHOCK ABSORBERS GROUP MAINTENANCE		
Section I. Scope		17-1
Equipment Items Covered	17-1	17-1
Equipment Items Not Covered	17-2	17-1
Section II. Springs		17-1
Front Springs Removal and Replacement	17-3	17-1
Removal	17-3a	17-2
Replacement	17-3b	17-6
Front Leaf Spring Assembly Repair	17-4	17-14
Preliminary Procedure	17-4a	17-14
Disassembly	17-4b	17-15
Cleaning, Inspection, and Repair.	17-4c	17-20
Assembly	17-4d	17-21
Front Spring Seat Removal and Replacement	17-5	17-25
Preliminary Procedure	17-5a	17-25
Removal	17-5b	17-25
Replacement	17-5c	17-27
Rear Spring Removal and Replacement	17-6	17-29
Preliminary Procedures	17-6a	17-29
Removal	17-6b	17-29
Replacement	17-6c	17-31
Rear Leaf Spring Assembly Repair	17-7	17-33
Preliminary Procedures	17-7a	17-33
Disassembly	17-7b	17-33
Cleaning, Inspection, and Repair	17-7c	17-35
Assembly	17-7d	17-36
Rear Spring Seat Removal and Replacement	17-8	17-38
Preliminary Procedures	17-8a	17-38
Removal	17-8b	17-38
Replacement	17-8c	17-41
Rear Spring Seat Repair	17-9	17-46
Preliminary Procedures	17-9a	17-46
Disassembly	17-9b	17-47
Assembly	17-9c	17-48
Rear Spring Seat With Bearings Removal and Replacement	17-10	17-49
Preliminary Procedures	17-10a	17-49
Removal	17-10b	17-49
Replacement	17-10c	17-52

TABLE OF CONTENTS-CONT

	Paragraph	Page
Section III. Shock Absorbers		17-57
Shock Absorber Removal and Replacement	17-11	17-57
Preliminary Procedure	17-11a	17-57
Removal	17-11b	17-57
Replacement	17-11c	17-59
Section IV. Torque Rods		17-61
Torque Rods Removal and Replacement	17-12	17-61
Preliminary Procedures	17-12a	17-61
Removal	17-12b	17-62
Replacement	17-12c	17-65

CHAPTER 13

BRAKE SYSTEM GROUP MAINTENANCE

Section I. SCOPE

13-1. EQUIPMENT ITEMS COVERED . This chapter gives equipment maintenance procedures for the handbrake assembly and related parts, service brake, hydraulic brake system, mechanical brake system, air brake system, compressed air system, and trailer brake connections for which there are authorized corrective maintenance tasks at the organizational maintenance level.

13-2. EQUIPMENT ITEMS NOT COVERED. All equipment items for which corrective maintenance is authorized at the organizational maintenance level are covered in this chapter.

Section II. HANDBRAKE ASSEMBLY AND RELAYED PARTS

13-3. HANDBRAKE BRAKE DRUM REMOVAL AND REPLACEMENT.

TOOLS: Pliers 6-inch ruler Torque wrench, 150 pound-feet capacity Container Adapter, 1/2 inch to 3/4 inch 3-inch extension, 3/4-inch drive Hammer	3/4-inch wrench 1 7/16-inch wrench 1 5/16-inch wrench 1 1/2-inch socket Flat-tip screwdriver 6-inch adjustable wrench Brass punch
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SUPPLIES: Cotter pin

PERSONNEL: One

EQUIPMENT CONDITION: Truck parked, engine off, handbrake set, wheels chocked.

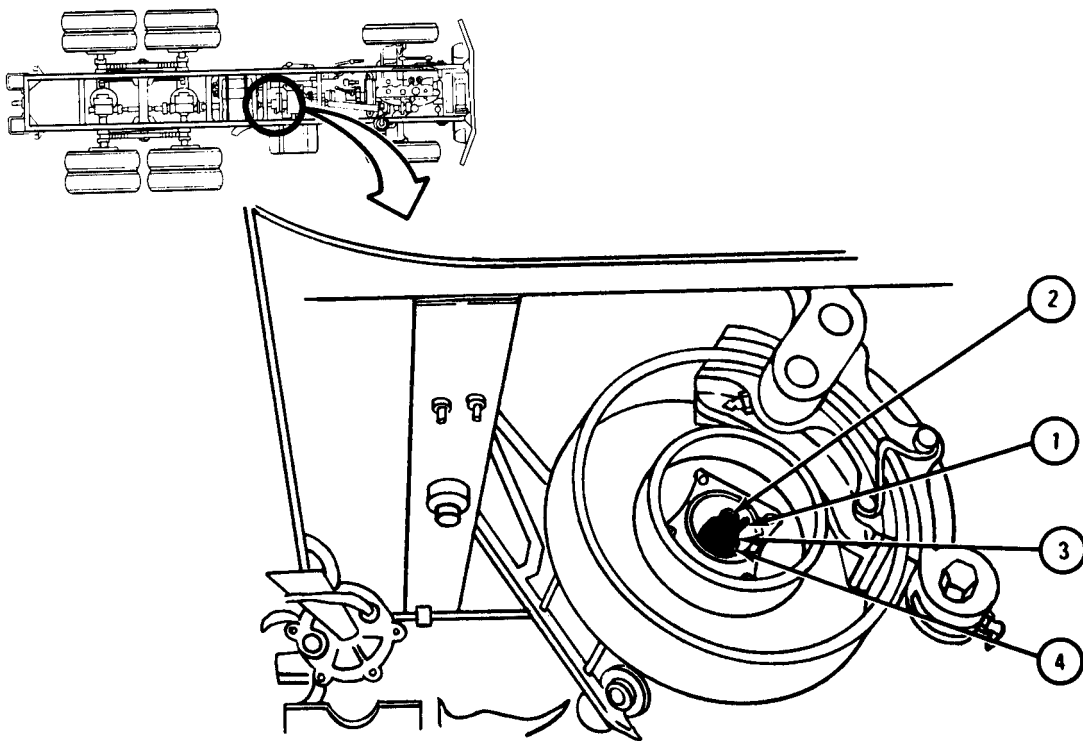
a. Preliminary Procedure. Remove propeller shaft. Refer to Part 2, para 10-3.

b. Removal.

FRAME 1

1. Using pliers, take cotter pin (1) out of handbrake drum near output shaft (2). Throw cotter pin away.
2. Using 1 1/2-inch wrench, unscrew and take off slotted nut (3) and flat washer (4).
3. Put handbrake (in cab) in brake off (down) position.

GO TO FRAME 2



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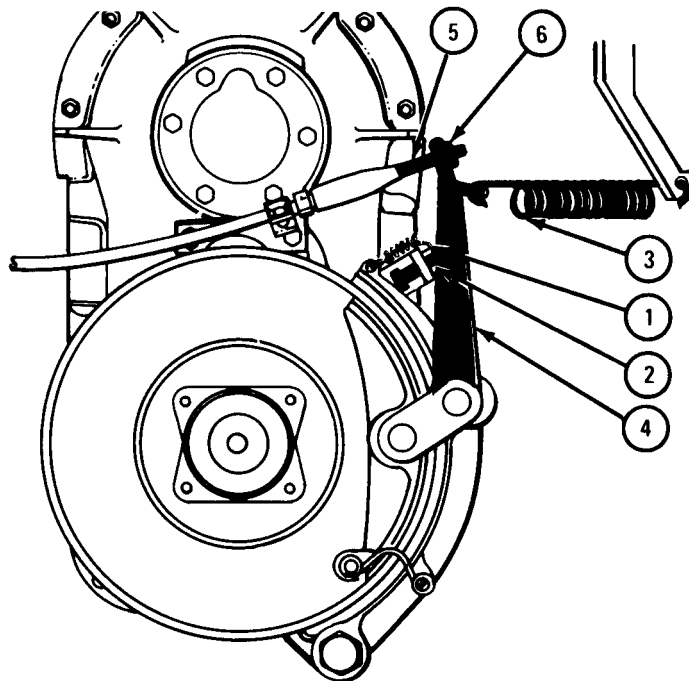
FRAME 2

NOTE

On trucks with exhaust pipe going to rear, exhaust pipe must be loosened and pushed away from brakeshoes. For trucks with engine LD 427, refer to Part 1, para 5-5. For trucks with engine LD 465, refer to Part 1, para 5-3. For all other trucks, refer to Part 1, para 5-4.

1. Using screwdriver, lift spring (1) off screw (2).
2. Using pliers, unhook spring (3) from lever (4).
3. Using adjustable wrench, hold cable (5). Using 3/4-inch wrench, unscrew and take off nut (6).
4. Pull cable (5) out of eye of lever (4).

GO TO FRAME 3

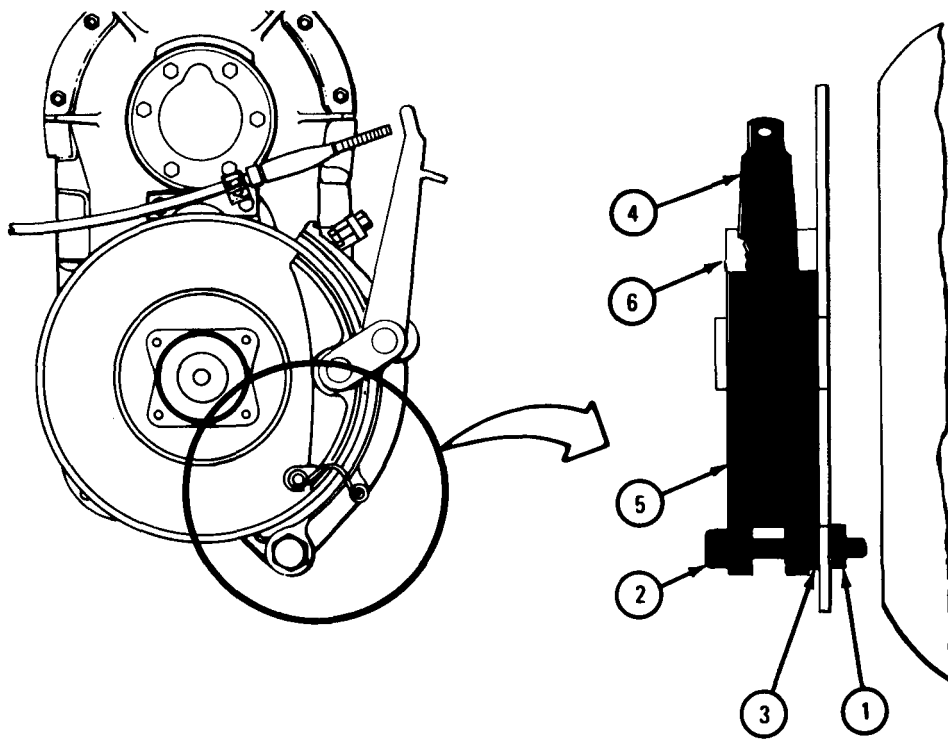


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FRAME 3

1. Using 1 7/16-inch wrench, unscrew and take off jamnut (1).
2. Using 1 5/16-inch wrench, unscrew and take out anchor screw (2) and spacer (3).
3. Pull lever assembly (4) with brakeshoes (5) away from handbrake brake drum (6).

GO TO FRAME 4



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