HANDBOOK OPERATION, SERVICE AND REPAIR INSTRUCTIONS

ENGINE TRANSPORTATION TRAILER

MODEL 2000 AF STOCK NUMBER 8220-750421-855

(AIR LOGISTICS)

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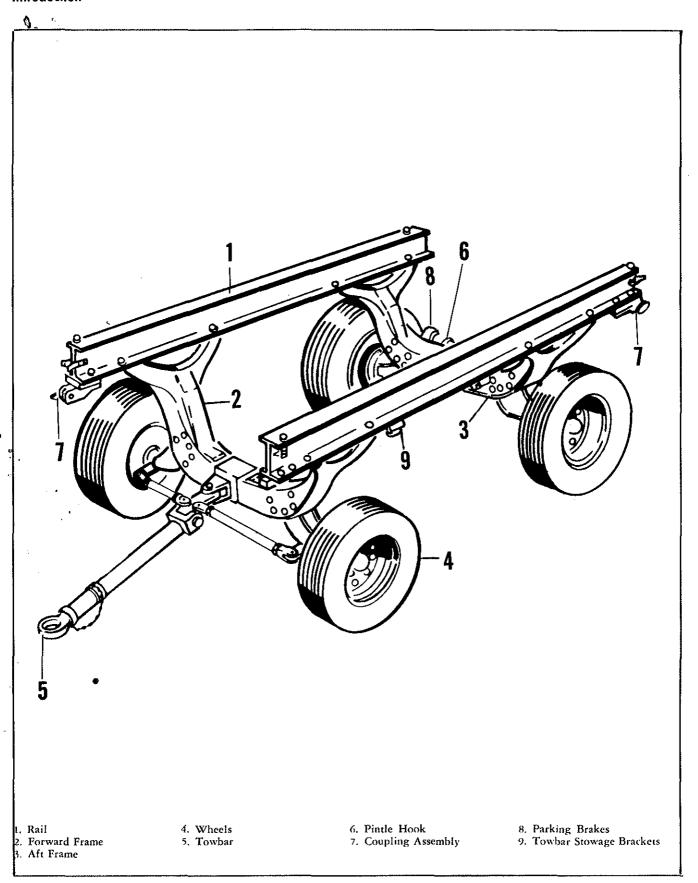


Figure 1-1. Engine Transportation Trailer, Model 2000.

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	INSERT LATEST REVISED PAGES. DESTROY SUPERSEDED PAGES.
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	* The asterisk indicates pages revised, added or deleted by the current revision.

ADDITIONAL COPIES OF THIS PUBLICATION MAY BE OBTAINED AS FOLLOWS:

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SECTION I

14. GENERAL.

1-2. This publication is the basic handbook of Operation, Service and Overhaul Instructions for Engine Transportation Trailer, Model 2000, manufactured by Air Logistics Corporation, 3600 E. Foothill Blvd., Pasadena, California.

Note

This handbook should be used in conjunction with the Illustrated Parts Breakdown, T.O. 35D3-3-25-4, which lists, identifies and illustrates all parts of the trailer.

c1-3. PURPOSE.

4. The Model 2000 trailer is used independently for transportation within a facility of jet aircraft engines, aircraft components and comparable equipment and for interplant transportation of heavy loads by air or truck. The trailer is also used for transference of heavy loads to and from other elements of the Air Logistics matched-init ground handling system.

1.5: DESCRIPTION. (See figure 1-1.)

1-6. The Model 2000 trailer is a four-wheel vehicle consisting of two parallel, "I" shaped transfer rails (1), forward and afternames (2 and 3) and four pneumatic-tired wheels (4). A telescoping towbar (5) and pintle

hook (6) provide a means of towing the trailer singularly or in train. Male and female quick-connect coupling assemblies (7) are located at the ends of the rails (1) for the purpose of coupling the Model 2000 trailer to other elements of the Air Logistics matched-rail system. The rear wheels are equipped with foot-operated parking brakes (8). Stowage brackets (9) provide a means of storing the towbar (5) during static use of the trailer and interplant transportation.

LEADING PARTICULARS

Tire Size $\cdot \cdot \cdot$
Trailer Weight
Maximum Load 4000 pounds
Tire Inflation
Towing Speed:
Straightaway (Max) 20 MPH
Tight Turns 5 MPH
Rail Length 108.0 inches
Rail Width 3.33 inches
Rail Centerline Spacing 48.0 inches
Rail Height (from ground) 38.0 inches
Overall Width 54.0 inches
Wheel Base 72.0 inches
Wheel Tread 46.0 inches
Standard Towbar Length:
Extended 72.0 inches
Retracted

SECTION II OPERATION AND SERVICE INSTRUCTIONS

2-16 OPERATION.

2-2. PREPARATION FOR USE. (See figure 1-1.)

- Ja. Remove towbar (5) from stowage brackets (9) and secure to towing link with pin and spring lock.
- b. Check tires for proper inflation of 30 psi, inflate to proper pressure if required.
- c. Make certain parking brakes (8) are released before attempting to tow trailer.
- 2-3. OPERATING PROCEDURE. (See figure 2-1.)
- 2-4. COMPONENT ADAPTER INSTALLATION AND REMOVAL.

WARNING

Before disconnecting trailers proceed as follows: If load is on the "Lift" trailer, raise rails evenly until the front wheels of the Model 2000 Trailer are at the point of leaving the ground. If load is on the Model 2000 Trailer, open bleed valves of the "Lift" trailer very slowly until rails are level and even with the rails of the Model 2000 Trailer. Close bleed valves. Remove lock pins (7) to uncouple.

2-10. TOWING.

a. The Model 2000 Trailer can be towed up to 20 miles per hour on straightaway and moderate curves. Reduce speed to 5 miles per hour on tight curves.

2-11. PERIODIC LUBRICATION. (See figure 2-2.)

2-12. Frequency of lubrication, lubricants to be used and lubrication points are as noted on "Lubrication Chart".

2-13. PERIODIC INSPECTION. (See Table 1.)

2-14. Areas and frequency of inspection shall be as shown in Periodic Inspection Table.

2-15. TROUBLE SHOOTNG. (See Table II.)

2-16. For indication of trouble, probable cause and remedial action, refer to Trouble Shooting Chart.

2-17. BRAKE ASSEMBLY TROUBLE SHOOTING.

2-18. If improper brake action is evidenced inspect for the following.

- a. Improper adjustment.
- b. Worn linings.
- c. Rough brake drums,
- d. Broken spring.
- e. Damaged cam.
- f. Loose internal parts,
- g. Loose pedal.
- h. Oil or grease on lining or drum.

2-19. Correct cause of failure using standard shop procedures, taking care to prevent oil or grease from contacting the lining or drums.

TABLE I. PERIODIC INSPECTION

Item	Weekly	Quarterly
Tire pressure	X	
Tires for damage	X	
Wheels for tightness	x	
Wheels for alignment		X
Wheel mounting bolts for serviceable condition		X
King pins and steering knuckles for excessive wear and damage		X
Wheels supports for damage and looseness		X
Brakes for serviceable condition and adjustment		X
Frame assemblies for damage, distortion, and fractured welds		X
Towbar and linkage for security		X
Tie rods for damage and distortion		X
Stop assemblies for proper operation	X	
Lubrication fittings for damage or obstruction		X
All nuts for tightness and cotter pins for serviceable condition		X

Note

Component adapters (1) are accessory equipment and are mentioned in this publication for reference only.

- 2-5. Component adapters may be removed or installed vertically by backing off at socket (4) using standard 1/2-inch socket drive until hook clamps (3) will straddle rail flange.
- 2-6. To remove or install component adapters horizontally, roll component adapters on or off rails by using standard 1/2-inch socket drive at socket (2).

2-7. TRANSFERRING LOAD.

- 2-8. When transferring a load between the Model 2000 trailer and other elements of the Air Logistics matchedrail system having a fixed height, proceed as follows:
 - a. Secure couplings (5 and 6) with lock pin (7).
- b. Set trailer parking brakes to prevent movement during transfer operation.
- c. Unlock component adapters and roll load onto receiving trailer.

Note

Adapter stop pins (8) must be held down to allow passage of component adapters.

- d. When center of gravity of load has been properly located, lock all component adapters using standard 1/2-inch socket drive at location (4).
- 2-9. If transfer operation involves one of Air Logistics "Lift" type trailers, proceed as follows:
- a. Adjust rails of lift trailer to level height squarely matching rails of the Model 2000 trailer.
 - b. Secure couplings (5 and 6) with lock pin (7).
- c. Set parking brakes of both trailers to prevent movement during transfer operation.
- d. Unlock component adapters and roll load onto receiving trailer.

Note

Adapter stop pins (8) must be held down to allow passage of component adapters.

e. When center of gravity of load has been properly located, lock all component adapters using standard 1/2-inch socket drive at location (4).

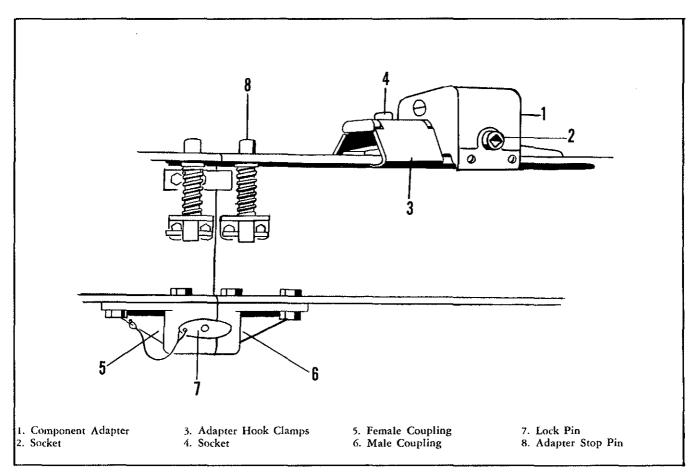


Figure 2-1. Operating Procedure.

TABLE II. TROUBLE SHOOTING

TROUBLE	PROBABLE CAUSE	REMEDY
	1. Low tire pressure.	Check all tires for proper inflation
	2. Damaged tie rod.	Straighten or install new tie rod
Excessive sway or shimmy when towed.	 Bent wheel spindle or steering knuckle. 	Replace damaged parts with new
	4. Loose wheel support.	Tighten support.
	5. Worn king pins and bushings.	Install new king pins and bushings
	6. Bent towbar.	Straighten or install new towbar
	7. Worn wheel bearings.	Replace bearings with new.
Improper braking.	See Paragraph 2-10.	See Paragraph 2-10.

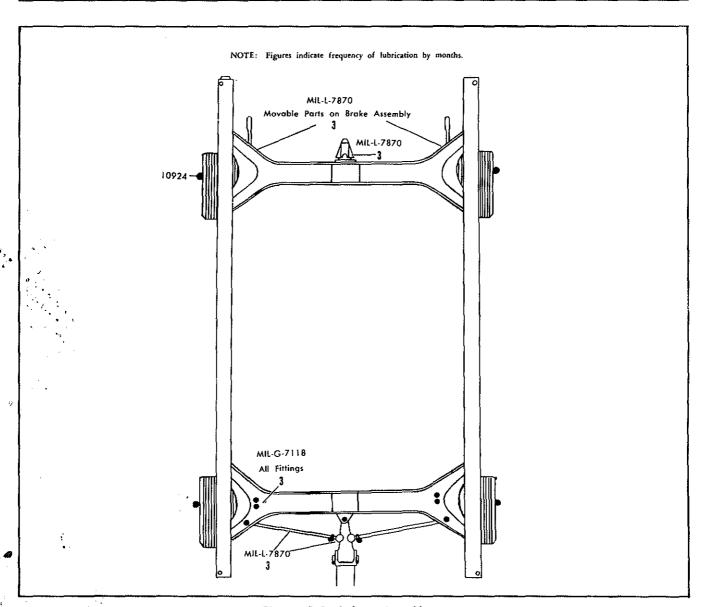


Figure 2-2. Lubrication Chart.

SECTION III REPAIR INSTRUCTIONS

3-1. DISASSEMBLY. (See figures 3-1 through 3-7.)

- 3-2. Disassemble the trailer in the general order of index numbers assigned to the exploded view illustrations, paying particular attention to the following procedures:
- a. Disassembly of parts where wear, damage and/or distortion can be ascertained in the assembled condition is not necessary unless repair or replacement of parts is required.

Note

Take care to protect all critical mating surfaces from dirt and abrasions.

- b. Do not remove press-fit bushings unless necessary to replace.
- c. Do not remove cable assemblies unless cable or attached part requires replacement.
- d. Do not remove instruction or identification plates and attaching parts (21 through 26, figure 3-1.) unless defaced beyond legibility.
- e. Do not remove wheel bolts (11, figure 3-3.) from hub (17) unless inspection reveals need for replacement, or on rear wheels, if brake drums require repair or replacement.
- f. After removal of wheel bearing cones (14 and 16, figure 3-3.) wrap in grease proof barrier to prevent further contamination.
- g. Do not remove wheel bearing cups (13 and 15, figure 3-3.) unless inspection reveals need for replacement,
- h. Do not attempt disassembly of brake pedal unless necessary to replace detail parts. Spring (15, figure 4.) is very difficult to install.
- i. Do not attempt removal of bonded lining from brake shoe (2, figure 3-5.).

3-3. CLEANING.

a. Wash trailer with soap and hot water, using stiff bristle brush if necessary. Use dry cleaning solvent, Federal Specification P-S-661, or equivalent, to remove grease. Dry trailer with compressed air.

WARNING

Follow precautionary measures for handling solvents. Keep away from open flame and avoid inhaling the fumes for prolonged periods of time.

b. Clean wheel bearings in dry cleaning solvent, Federal Specification P-S-661. Solvent spray or immersion cleaning shall be used. After cleaning, rinse bearings in a clean container of clean solvent. Dry with heat or filtered compressed air. If bearings are to remain disassembled from hubs for a prolonged period of time, coat clean bearings with a rust preventative compound or operating lubricant and wrap in grease proof wrapper, Specification MIL-B-121, grade "A".

CAUTION

Do not spin dirty bearings. Spinning may result in scoring.

3-4. INSPECTION AND REPAIR.

- a. Conduct visual inspection of parts specified in Table II, "Periodic Inspection".
- b. Conduct inspection for excessive clearances between king pins and associated bushings. Clearance shall not exceed 0.010 inch.
- c. Clearances between towing link assembly and associated bushings shall not exceed 0.010 inch.

Note

If clearances are excessive, replace one or both mating parts as necessary.

- d. Check brake linings for wear. If linings are not serviceable, complete brake shoe assemblies must be installed, as linings are bonded type.
- e. Inspect tie rods, steering knuckles, axle spindles and wheel support assemblies for fractured welds and misalignment. Weld fractures may be repaired if damage has not resulted in distortion of the part. Replace any distorted part with new.



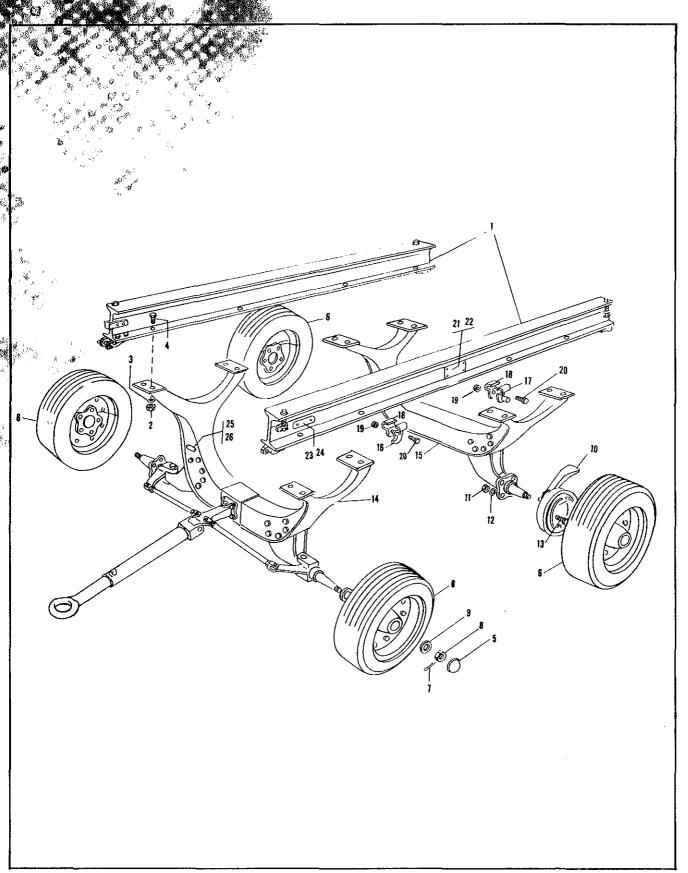


Figure 1. Engine Transportation Trailer Assembly

KEY TO FIGURE 3-1

- 1. Transfer Rail Assembly
- 3. Washer
- 4. Bolt
- 5. Hub Cap
- 6. Wheel, Hub, Tire and Tube Assembly
- 7. Cotter Pin

- 8. Nut
- 9. Washer
- 10. Brake Sector and Pedal Assembly
- 11. Nut
- 12. Washer
- 13. Bolt

- 14. Forward Support and Steer-
- ing Linkage Assembly
- 15. Aft Support Assembly
- 16. Bracket
- 17. Bracket
- 18. Clamp
- 19. Nut

- 20. Bolt
- 21. Identification Plate
- 22. Drive Screw
- 23. Instruction Plate
- 24. Drive Screw
- 25. Instruction Plate
- 26. Drive Screw

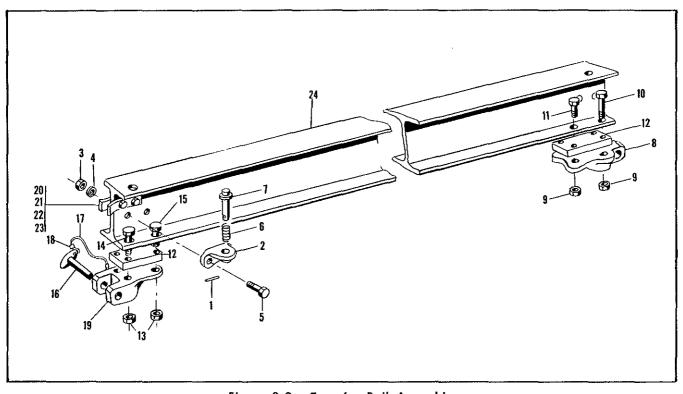


Figure 3-2, Transfer Rail Assembly.

- 1. Pin
- 2. Adapter Stop Bracket
- 3. Nut
- 4. Washer
- 5. Bolt
- 6. Adapter Stop Spring
- 7. Adapter Stop Pin
- 8. Male Rail Coupling

- 12. Coupling Shim

- 9: Nut
- 10. Bolt
- 11. Bolt
- 13. Nut 14. Bolt
- 15. Bolt
- 16. Quick Release Pin
- 17. Cable
- 18. Wirerope Swaging Sleeve
- 19. Female Rail Coupling
- 20. Rail Guide Clip
- 21. Nut
- 22. Washer 23. Bolt
- 24. Transfer Rail

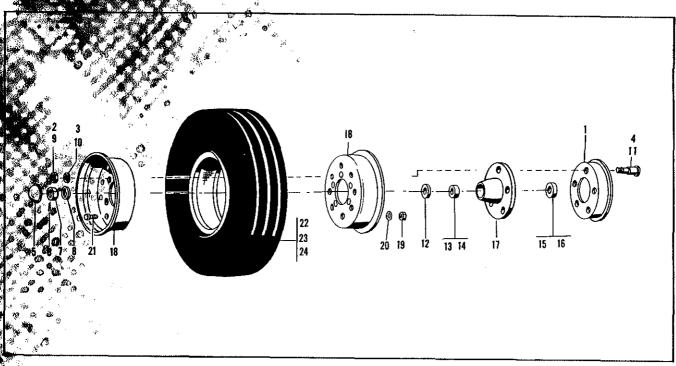


Figure 3-3. Wheel, Hub, Tire, Tube and Flap Assembly.

- Brake Drum
- 2. Nut
- 3. Lock Washer
- 4. Ribbed Neck Bolt
- 5. Wheel Hub Grease Cap
- 6. Cotter Pin
- 7. Nut
- 8. Key Washer
- 9. Nut
- 10. Lock Washer
- 11. Ribbed Neck Bolt
- 12. Plain Seal
- 13. Outboard Bearing Cup14. Outboard Bearing Cone
- 15. Inboard Bearing Cup
- 16. Inboard Bearing Cone
- 17. Hub
- 18. Wheel Half
- 19. Nut
- 20. Lock Washer
- 21. Bolt
- 22. Tire
- 23. Tube
- 24. Flap

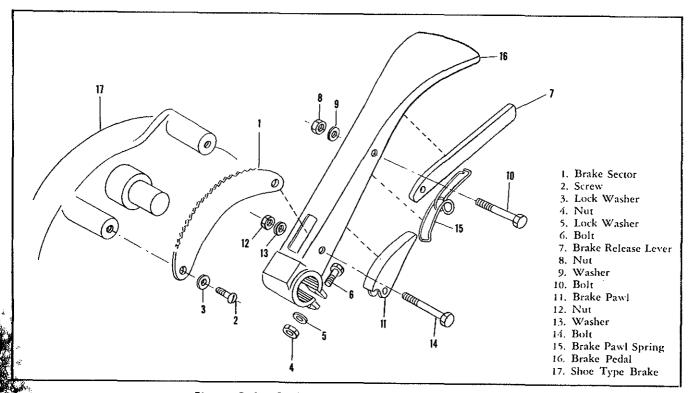


Figure 3-4. Brake Sector and Pedal Assembly.

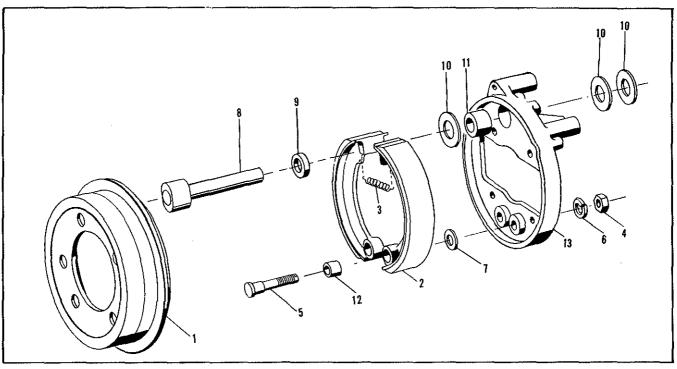


Figure 3-5. Shoe Type Brake

- 1. Brake Drum
- 2. Brake Shoe
- 3. Spring 4. Nut
- 5. Eccentric Pivot 6. Lock Washer
- 7. Washer
- 8. Cam Shaft 9. Spacer 10. Washer

- 11. Sleeve Bearing12. Sleeve Bushing13. Mounting Plate

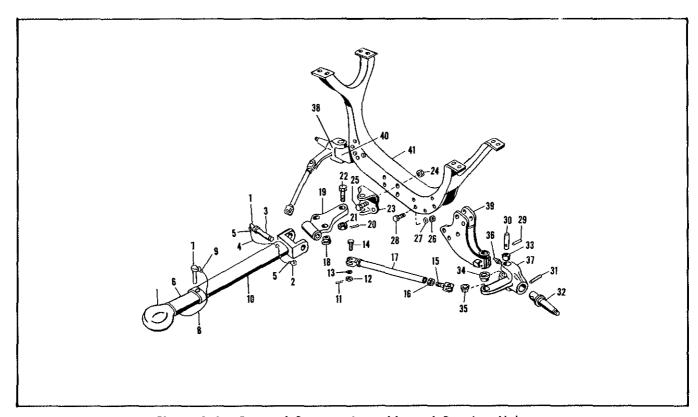


Figure 3-6. Forward Support Assembly and Steering Linkage.

KEY TO FIGURE 3-6

- 1. Ring 2. Lock Pin
- 4. Cable
- 5. Swaging Sleeve
- 6. Inner Tube Assembly
- 7. Spring Lock Pin
- 8. Cable
- 2. Swaging Sleeve
- 10. Outer Towbar Tube
- 1. Cotter Pin

- 2. Nut
- 18. Washer
- 14. Bolt 15. Rod End Clevis
- 16. Nut
- 17. Tierod Tube
- 18. Sleeve Bushing
- 19. Towing Link 20. Cotter Pin
- 21. Nut

- 22. Bolt
- 23. Towing Link Bracket
- 24. Nut 25. Bolt
- 26. Nut
- 27. Washer
- 28. Bolt
- 29. Spring Pin
- 30. Steering Knuckle King Pin
- 31. Spring Pin

- 32. Axle Spindle
- 33. Sleeve Bushing
- 34. Shoulder Bushing
- 35. Shoulder Bushing
- 36. Lubrication Fitting
- 37. LH Steering Knuckle
- 38. RH Steering Knuckle
- 39. LH Wheel Support
- 40. RH Wheel Support
- 41. Frame Assembly

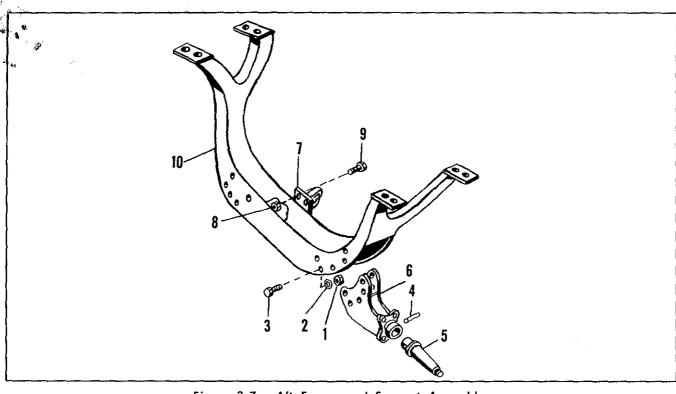


Figure 3-7. Aft Frame and Support Assembly.

- 1. Nut
- 2. Washer
- 3. Bolt

- 4. Spring Pin
- 5. Axle Spindle6. Wheel Support
- 7. Towing Pintle
- 8. Nut

9. Bolt 10. Frame

- f. If any wheel bearing assembly part is excessively worn, replace with complete new assembly.
- g. Inspect all threaded parts for crossed or damaged threads. Minor thread damage may be repaired with a fine file and emery paper providing repair does not result in a loose fit or misalignment of mating parts.
- **3-5. LUBRICATION.** Areas of lubrication, types of lubrication and frequency of lubrication are so specified in figure 2-2.
- 3-6. REASSEMBLY. (See figures 3-1, through 3-7.)
- 3-7. Reassemble in the reverse order of index numbers assigned to the exploded view illustration, paying particular attention to the following:

- a. Make certain all bearings, bushings and pins are properly positioned and aligned.
- b. Make certain male and female couplings are properly located on rail ends to facilitate coupling operation with other matched rail units.
- c. Make certain all washers have been installed in their proper position.
 - d. Make certain all attaching hardware is secure.

3-8. TEST AFTER REASSEMBLY.

3-9. No test is necessary after reassembly, other than a trial run to check for satisfactory operation.

SECTION IV PREPARATION FOR ENGINE SHIPMENT

4-1. TRANSPORTATION ADAPTER KIT.

4-2. The correct adapter kit required for shipment of a designated jet aircraft engine loaded on the Model 2000 Trailer shall be as specified in the following chart.

CROSS REFERENCE CHART, ENGINE TO ADAPTER KIT

, ,	Engine Type and Model	Transportation Adapter Kit No.	Engine Type and Model	Transportation Adapter Kit No.
<i>,</i>	° Ј35-	105063	J47-GE25	105063
٠ ن	J47-GE7	105063	J47-GE27	105063
·	J47-GE9	105063	J47-GE33	105063
	J47-GE11	105063	Ј65-1	105067-3
	J47-GE13	105063	J65-3	105067-3
	J47-GE15	105063	J65-4	105067-3
	J47-GE17	105063	J65-5	105067-3
н 20. 8.	J47-GE19	105063	J65-6	105067-5
e. •	" J47-GE23	105063	J65-7	105067-3

NOTE: For physical description of Adapter Kits see figures 4-1 through 4-3.

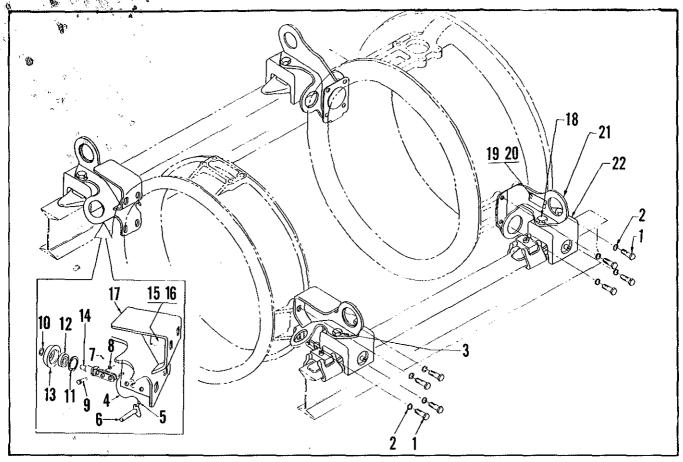


Figure 4-1. Transportation Adapter Kit No. 105063

Fig. & Index No.	Part Number	DESCRIPTION 1 2 3 4 5 6 7	Units Per Assy	Usable on Code
4-	105063	ADAPTER KIT, Transportation (Stock No. 1730-573-5112)	. Rei	
- I	AN8-7A	BOLT	. 16	
- 2	AN935-816 😻 📆	. WASHER, Lock	. 16	
- 3	AN9-13A	BOLT	. 4	
	100764	, ADAPTER, Fwd	. 2	
.*	S-102408-5	, . CABLE ASSEMBLY	. 1	
- 4	COMM	CABLE, 0.062 dia x 9.50 lg, 7 x 7 flex stainless steel		
- 5	28-1-C	SWAGING SLEEVE, Wire rope, (National Telephone		
		and Supply Co., Cleveland, Ohio)	. 2	
- 6	BL-STS-8-1.000	. PIN, Quick Release (DW Price Corp., Los Angeles, Calif.)		
- 7	AN380-3-4	. PIN, Cotter		
- 8	AN960-816	WASHER		
- 9	AN398-31	PIN, Flat head	. 1	
	S103472	ROLLER ASSEMBLY, Upload		
- 10	NAS-51-75	RING, External retaining		
- 11	NAS-50-162	RING, Internal retaining		
- 12	KP-12A	BEARING, Ball (Fafnir Bearing Co., New Briton, Conn.)		
- 13 😲	S-103473	ROLLER		
- 14 ⁴	S-103474	SHAFT		
- 15	AN535-0-3	SCREW, Drive	. 2	
² /₃ 16	101206	. PLATE, Instruction		
<i>=/</i> ₃17	100764-11	ADAPTER	. 1	
- 18	AN9-14A	BOLT	. 4	
	100637	ADAPTER, Mid frame	. 2	
· 19	AN535-0-3	SCREW, Drive		
- 20	101201	PLATE, Instruction		
- 21	100637-7	. ADAPTER		
- 22	104568	ADAPTER ASSEMBLY, Roller, Model 2550 (See figure 4-3)		

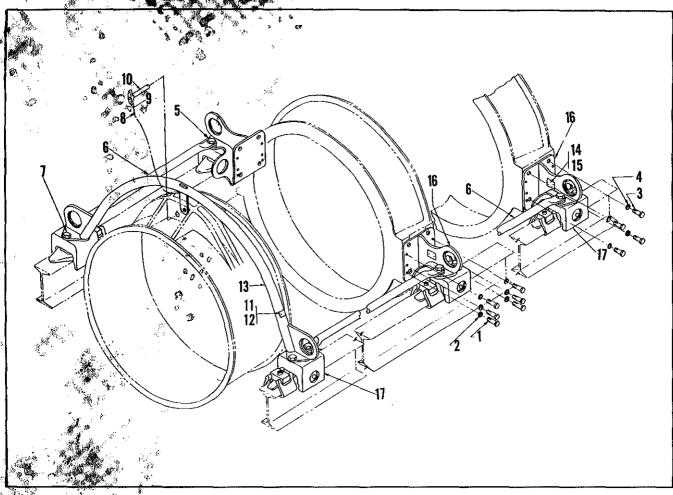


Figure 4-2. Transportation Adapter Kit No. 105067-3 and 105067-5

Fig. & Index No.	Part Number	DESCRIPTION 1 2 3 4 5 6 7	Units Per Assy	Usable on Code
2- ~	105067-3	ADAPTER KIT, Transportation (Stock No. 1730-573-5115)	. 1	A
_ p 📆	105067-5	ADAPTER KIT, Transportation (Stock No. 1730-573-5115)		B
- 1 M	AN6-10A	BOLT	12	Ã
2 % . 8	*AN935-616	WASHER, Lock	. 12	Ā
S	*AN9-11A	BOLT	. 8	B
4	AN935-916	. WASHER, Lock	. 8	B
°29° - 5	AN9-22A	BOLT	. 4	~
> [®] ∞6	102199	SPACER, Adapter	. 2	
7	AN9-13A	BOLT	. 4	
	100824	. ADAPTER, Fwd	. 1	
	S-102408-7	CABLE ASSEMBLY	. 1	
8	COMM	CABLE, 0.062 dia x 11.50 lg 7 x 7 flex stainless steel .	. 1	
98	28-1-C	SWAGING SLEEVE, Wire rope (National Telephone		
		and Supply Co. Inc., Cleveland, Ohio)	. 1	
410	BL-STS-10-3.500 5	PIN, Quick-release (D.W. Price Corp., Los Angeles, Calif.) .		
a li	AN535-0-3	SCREW, Drive	. 2	
12	101205	. PLATE, Instruction	. 1	
13	100824-9	SUPPORT	. 1	
6 20.	100825	. ADAPTER, Mid-frame	. 2	
· 14	AN535-0-4	SCREW, Drive	. 2	
- 15	101202	PLATE, Instruction	. 1	
- 16	100825-7	ADAPTER	. 1	
- 17 _{5%}	104568	. ADAPTER ASSEMBLY, Roller Model 2550 (See figure 4-3)	. 4	

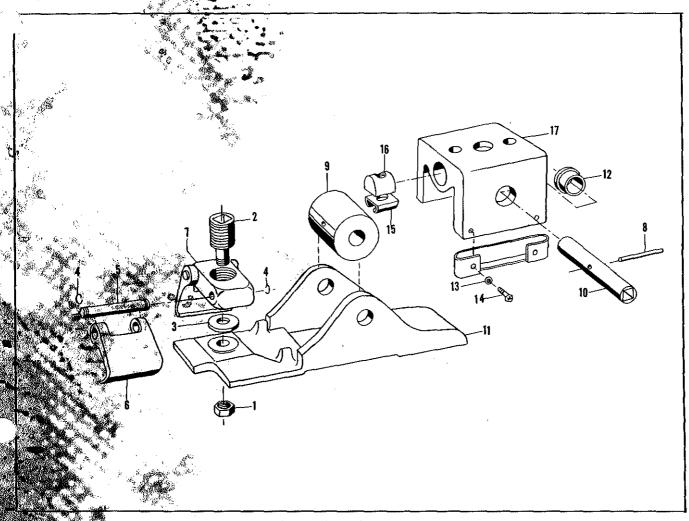


Figure 4-3: Roller Adapter, Model 2550

Fig. & Index No	Part Number	DESCRIPTION 1 2 3 4 5 6 7	Units Per Assy	Usable on Code
3.	104568	ADAPTER ASSEMBLY, Roller, Model 2550		
	* **•	(AF Stock No. 8220-005010-2547)		
· 6		(See figures 4-1 and 4-2 for next higher assembly)	Ref	
ွ - I 🔒 🤈	∵'AN316-6R	, NUT	1	
2	1 01639	. SCREW, Brake (Stock No. 1740-568-9586)	. 1	
3.35.	100625	. WASHER, Thrust (Stock No. 5310-596-6606)	1	
4-	* : NAS51-37	. RING, Retainer	. 4	
6.53×-5	. 100630	. PIN (Stock No. 5315-663-0614)	2	
6.6	100946	. HOOK, Clamp (Stock 1740-568-9582)		
7.	S-105719	NUT	. 1	
	MS171662	PIN, Spring	. 1	
565. 9	104541	, ROLLER	1	
7 10 :	* 104540	. SHAFT	. 1	
• 11 •	● 100947	BRAKE SHOE (Stock No. 1740-568-9583)		
- 12· \	104542	BUSHING		
- 13	AN935-10L	WASHER, Lock	2	
- 14	AN515-10R8	SCREW	2	
- 15	HS98482	RETAINER (Stock No. 6700-480005-28)	_	
• /	110,0101	(Kaynar Mfg. Co., Los Angeles, Calif.)	2	
- 16	K1933-918	NUT, Barrel (Stock No. 6500-523780-45)	. 4-	
- 10	W1937-910	(United Carr Fastener Corp., Cambridge, Mass.)	2	
17	10/2//		. 4	
- 17	104564	. HOUSING	. 1	



4-3. AIR SHIPMENT. (See figure 4-4.)

4-4. Refer to the instruction plate on either the forward or midframe adapter for proper load location and position load on the Model 2000 Trailer so that the adapter to which the instruction plate is attached is at this location on the trailer rails.

CAUTION

Make certain the load position indicated on the instruction plate is the correct one for the engine type and model being transported.

- 4-5. Securely lock all four roller adapters (1) using standard 1/2-inch socket drive.
- 4-6. Position loaded Model 2000 Trailer in aircraft so that cargo tie-down rings are in proper position relative to tie-down points of adapters, then set footbrakes of trailer.
- 4-7. Remove towbar (2) from towing position and secure in stowage brackets (3).
- 4-8. Tie trailer down as illustrated in figure 4-4, making certain tie-downs are tight.
- 4-9. Prior to movement, check roller adapters (1) and tie-downs (4 and 5) for security.

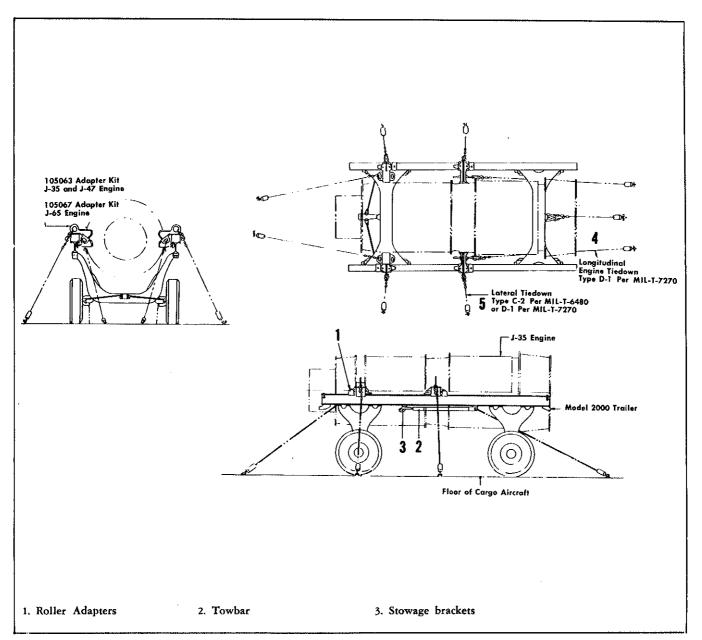


Figure 4-4. Air Shipment Tie-Down

4-9. TRUCK SHIPMENT. (See figure 4-5.)

4-10. Refer to the instruction plate on either the forward or midframe adapter for proper load location and position the bad on the Model 2000 Trailer so that the adapter to which the instruction plate is attached is at this location on the trailer rails.

CAUTION

Make certain the load position indicated on the instruction plate is the correct one specified for the engine type and model being transported.

4-11. Securely lock all four roller adapters (1) using standard 1/2-inch socket drive.

- 4-12. Load and position loaded Model 2000 Trailer on truck bed so that the tie-down rings or hooks located on or under the truck bed are in proper position for the load tie-down, then set trailer foot brakes.
- 4-13. Remove tow-bar (2) from towing position and secure in stowage brackets (3).
- 4-14. Tie trailer down as illustrated in figure 4-5, making certain all tie-downs are tight.
- 4-15. Block all four wheels for end and side movement as illustrated, nailing lower 2 inch by 4 inch blocks to truck bed and upper blocks to lower.

Note

If available, wedge-shaped wheel chocks may be used for end movement if sufficient nailing area is available on block to insure securing to truck bed.

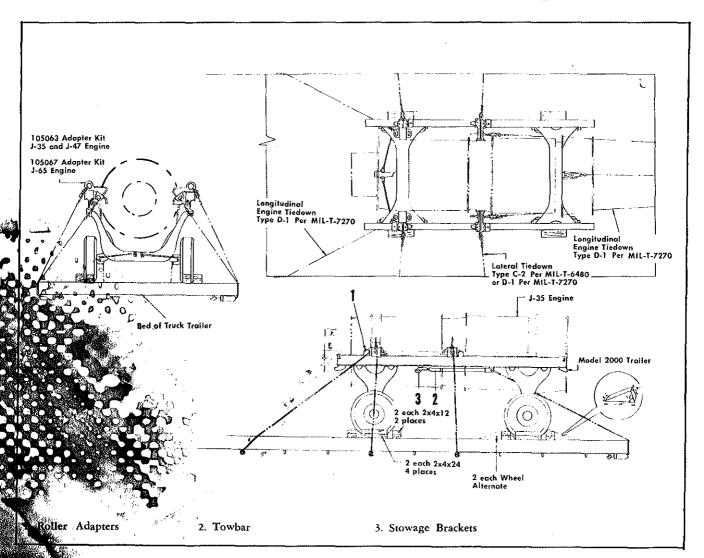


Figure 4-5. Truck Shipment Tie-Down

ILLUSTRATED PARTS BREAKDOWN

ENGINE TRANSPORTATION TRAILER

MODEL 2000 AF STOCK NO. 8220-750421-855

(AIR LOGISTICS)

THIS PUBLICATION REPLACES T.O. 35D3-3-25-4
DATED 15 NOVEMBER 1957

PUBLISHED UNDER AUTHORITY OF THE SECRETARY OF THE AIR FORCE

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ADDITIONAL COPIES OF THIS PUBLICATION MAY BE OBTAINED AS FOLLOWS:

USAF

SECTION I

1-1. GENERAL.

1-2. This Illustrated Parts Breakdown lists, describes and illustrates all parts for the Model 2000, Engine Transportation Trailer, manufactured by Air Logistics Corporation, 3600 E. Foothill Blvd., Pasadena, California.

Note

This handbook does not contain maintenance information. For maintenance of the equipment, refer to T.O. 35D3-3-25-1, Handbook of Operation, Service and Repair Instructions.

1-3. TABLE OF CONTENTS.

1-4. The Table of Contents at the front of the handbook serves as a guide to sequence of assemblies and sub-assemblies and the page number on which they appear.

1-5. GROUP ASSEMBLY PARTS LIST, SECTION II.

- 1-6. The Group Assembly Parts List consists of the complete trailer divided into 7 group assemblies as shown in the Table of Contents. Each group assembly listed is followed first by its attaching parts, then by its detail parts properly indented to show their relationship to the assembly. The major assembly list and the group assembly lists are cross-referenced by figure and index numbers. Explanation of columns contained in the Group Assembly Parts List is as follows:
- a. The "Figure and Index Number" column lists the figure number assigned to each detail part of each group assembly.
- b. The numbers appearing in the "Part Number" column are either Air Logistics Corporation, government standard or vendor assigned part number. Common parts commercially available are listed as "COMM".
- c. The "Description" column lists the noun followed by descriptive modifiers except for government standard parts, which are listed by noun only, and commercially available parts which are completely described to permit procurement and replacement by description. Attaching parts are listed immediately following the items which they attach, are captioned "(ATTACHING PARTS)" and are separated from subsequent listings by the symbol "——*——". In the case of purchased vendor

items, the vendors code or name and address immediately follows the part description.

d. The quantities shown in the "Units per Assembly" column are, in the case of assemblies, the total quantity used per trailer, while the quantities listed for the component parts indented under the assemblies are the total used per assembly. The quantities specified; therefore, are not necessarily the total used per trailer. Refer to the "Numerical Index" Section III, for total quantities per trailer. The letters "REF" are inserted in the "Units per Assembly" column to indicate the assembly is listed elsewhere in the publication. The "Description" column will indicate parenthetically where the listing occurs.

1-7. NUMERICAL INDEX, SECTION III.

- 1-8. The Numerical Index lists all of the part numbers in the Group Assembly Parts List, Section II, in alphanumerical sequence in accordance with the following:
- a. Part number arrangement starts on the left-hand column and continues from left to right, one column at a time, until part number numerical arrangement is determined.
- b. The order or precedence in part number arrangement is as follows:
 - (1) Space (blank column)
 - (2) Dash (—)
 - (3) Letters A through Z
 - (4) Numerals 0 through 9
 (Alphabetical "O"s are considered as numerical "O"s.)
- c. "No Number" and commercial parts are listed by their principal identifying noun alphabetically in the body of the alpha-numerical listing.
- d. The "Qty per Article" column of the Numerical Index indicates the total quantities used on the trailer. Government standard parts are shown in the Numerical Index for the first occurrence only of the part in the Group Assembly Parts List, All other parts are shown each time they occur, with the figure and index number noted for each occurrence. Stock numbers not listed in this handbook may be found in the S-00-1 Master Numerical Index (Air Force Stock Numbers) or S-00-1-1 Master Cross Reference Index (Federal Stock Numbers).

1-9. MANUFACTURER'S PART NUMBERING SYSTEM.

Paragraphs

1-10. The manufactures part numbering system is divided into the following four categories:

a. Part Number — sometial arrangement has no carricular significance:

b. Standard (multi-application) Part — consists of art number, sequential assignment of which has no articular significance, preceded by "S-".

No Number Assembly or Installation — a fictitious assigned to a group of components for convenience neloging.

Number Part — a component for which no anumber has been assigned.

SOURCE CODE DEFINITIONS.

DE "A", ASSEMBLE, ASSEMBLY NOT PRO-

(1. Code "A" is applied to assemblies composed two or more units, each of which carry individual part numbers and descriptions and which may be assembled by any maintenance level.

(2). Code "A1" is applied to assemblies composed wo or more parts each of which carry individual act numbers and description and which may be assemled only by activities having depot (O & R) facilities. GODE M. MANUFACTURE, PARTS NOT PRO-

(1). Code "M" is applied to parts which are within tacilities of any activity to manufacture. Procurement stocking are not justified in view of the relatively infrequent usage, or storage and installation factors of their parts. Replacement to be by local manufacture as required.

(2). Code "M1" is applied to parts which can be mufactured only by utilizing the facilities of the depot (Colored R) activity. Procurement and stocking of these parts is not justified in view of the relatively infrequent

usage or storage and installation factors. The needs of facilities are to be met through salvage or by depot level manufacture,

CÔDE P. PARTS UNDER INVENTORY STOCK IROL.

Code "P" is applied to parts which are pro-

reconstitution of relatively frequent usage. Code "P" be requistioned and installed by any main-cel, unless followed by the letter "O" which

pisitioning and replacement to depot only. Restricted service manufacture is precicable but only after an attempt has been e these parts from supply sources. In lieu 'P' coded parts, the department may

(O&R) activity to manufacture and feotogram.

Code P1" is applied to parts which are very prouneconomical to manufacture. Service manconsidered impracticable. Code "P1" parts stioned and installed by any maintenance lowed by the letter "O" which restricts

requisition and replacement to depot (O&R) level only,

d. CODE X: PARTS CONSIDERED IMPRACTI-CAL FOR MANUFACTURE OR PROCUREMENT.

- (1). Code "X" is applied to main structural numbers or similar parts which, if required, would suggest expensive reconditioning. The need of a part or parts coded "X" should normally result in a recommendation to retire the equipment from service.
- (2). Code "X1" is applied to parts for which procurement of the next larger assembly is justified.
- (3). Code "X2" is applied to parts which are neither procured nor stocked. Activities requiring such parts shall attempt to obtain them from salvage. If not obtainable through salvage, such parts shall be requisitioned through normal supply channels with supporting justification.
- e. CODE "*" is applied to installation drawings, instructions or field service drawings, basic drawings which cannot be procured or manufactured, and obsolete

1-12. REFERENCE DESIGNATION INDEX. SECTION IV.

1-13. There is no "Reference Designation Index", Section IV, required for this Illustrated Parts Breakdown.

1-14. USE OF THE ILLUSTRATED PARTS BREAKDOWN.

1-15. Procedural steps for locating part numbers, part illustrations and figure numbers when complete information is not known, is as follows:

a. When a part number is know and it is desired to finds its illustration, locate the number in the Numerical Index, Section III. Turn to the illustration indicated in the Figure and Index number column, and locate the part in the illustration, using the index number assigned. The parts list accompanying that illustration will list the part number and full description of the part opposite the same index number.

b. When the configuration and location of a part is known, but the part number and description is not known, turn to the Table of Contents and locate the figure title within which the part would be found. Turn to the page indicated and locate the part and its assigned index number on the illustration. The part number and description will be found opposite that number on the accompanying parts list.

1-16. VENDORS CODE.

1-17. Vendors codes applied in this handbook are in accordance with Federal Cataloging Handbook H4-1, immediately follow the description of the part and are listed below in numerical sequence by code.

CODE	VENDORS NAME AND ADDRESS
00481	Asco Sintering Corp.
. 4	Los Angeles, California
60038	Timken Roller Bearing Co.
3 5 0	Canton Ohio
	National Telephone & Supply Co., Inc
	Cleveland, Ohio
83269	Welded Construction & Engineering Co.
120	Cleveland, Ohio *•
	Aerol Manufacturing Co.,
	Los Ängeles, California
92798 🐪	Johns-Manville Corp.
*	Manville, New Jersey
97978	D. W. Price Corp.
	Los Angeles, California
99946	J. M. Beach Associates
	Dayton, Ohio

SECTION II GROUP ASSEMBLY PARTS LIST

Fig. &	Part	DESCRIPTION	Units	Usable
Index No.	Number	1 2 3 4 5 6 7	Per Assy	on Code
1-	100334	TRAILER ASSEMBLY, Engine Transportation	Ref	
- 1	No Number	RAIL ASSEMBLY, Transfer (See figure 2.) (ATTACHING PARTS)		
- 2	MS20365-820	. NUT	. 16	
- 3	AN960-816L	. WASHER	. 16	
- 4	AN8-11A	BOLT	. 16	
- 5	A-260	. CAP, Grease, wheel hub	. 4	
- 6	No Number	. WHEEL, HUB, TIRE AND TUBE ASSEMBLY (See figure 3) (ATTACHING PARTS)	. 4	
- 7	AN381-4-28	. PIN, Cotter	. 4	
- 8	AN320-16	. NUT	. 4	
- 9	111555	. WASHER, Key	. 4	
- 10	No Number	. BRAKE, SECTOR AND PEDAL ASSEMBLY (See figure 4) (ATTACHING PARTS)	. 2	
- 11	MS20364-624	. NUT	. 8	
- 12	AN960-616L	, WASHER	. 8	
- 13	AN6-11A	BOLT	. 8	
- 14	No Number	SUPPORT ASSEMBLY and steering linkage fwd (See figure 6.)	. 1	
- 15	No Number	FRAME AND SUPPORT ASSEMBLY, Aft (See figure 7.)	. 1	
	104395	. STOWAGE INSTALLATION, Towbar	. 1	
- 16	104873	BRACKET	. 1	
- 17	104876	. BRACKET	. 1	
- 18	104877	CLAMP	. 2	
- 19	MS20364-624	NUT	. 2	
- 20	AN6-11A	BOLT	. 2	
21	100877	PLATE, Identification	. 1	
- 22	AN535-0-4	. SCREW, Drive	. 4	
- 23	100879	PLATE, Instruction (ATTACHING PARTS)	. 1	
- 24	AN535-0-4	SCREW, Drive	. 2	
- 25	100881	PLATE, Instruction (ATTACHING PARTS)	4	
- 26	AN535-0-4	. SCREW, Drive	. 8	

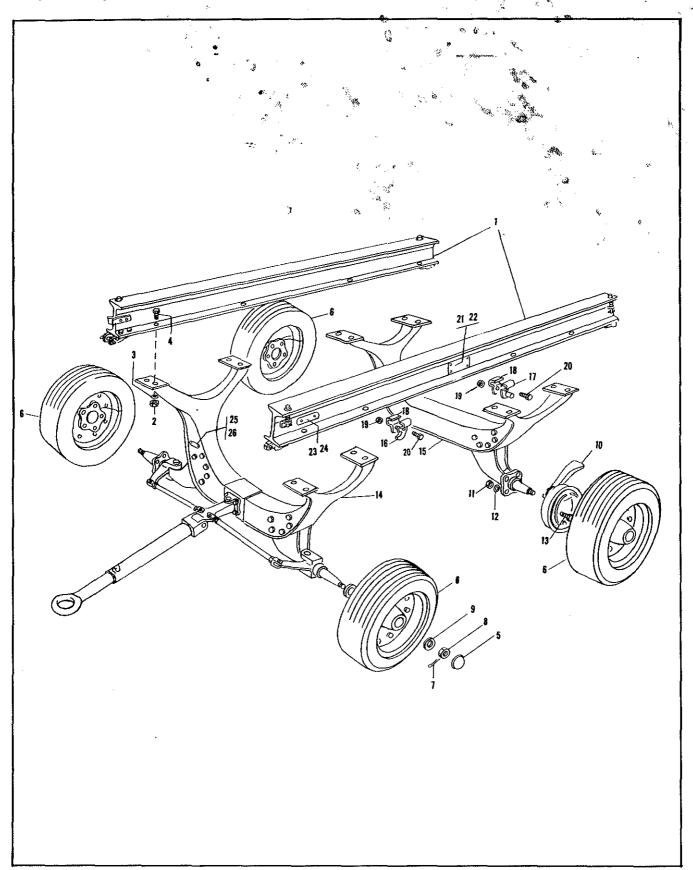


Figure 1. Engine Transportation Trailer Assembly

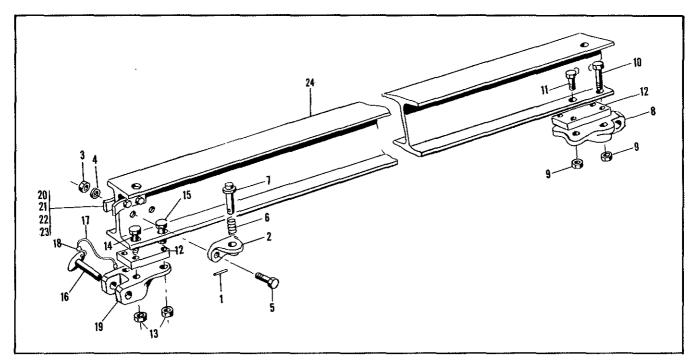


Figure 2. Transfer Rail Assembly

Fig. & Index No.	Part Number	DESCRIPTION Units Usa 1 2 3 4 5 6 7 Per Assy on C	ible Code
2-	No Number	RAIL ASSEMBLY, Transfer (See figure 1-1 for next higher assembly) Ref	
- 1	MS171662	PIN	
- 2	111534	BRACKET, Adapter stop	
- 3	MS20364-428	NUT	
- 4	AN960-416	WASHER	
- 5	AN4-7A	BOLT 4	
- 6	111535	SPRING, Adapter stop	
- 7	111536	PIN, Adapter stop	
- 8	102314	COUPLING, Rail, male	
- 9	MS20365-624	. NUT	
- 10	AN6-21A	BOLT	
- 11	AN6-30A	BOLT	
- 12	100553	SHIM, Coupling	
	102334	COUPLING ASSEMBLY, Rail, female 1 (ATTACHING PARTS)	
- 13	MS20365-624	NUT	
- 14	AN6-21A	BOLT 2	
- 15	AN6-30A	BOLT	
- 16	BL-STS-12.750	. PIN, Quick release (97978)	
	S-102408-9	CABLE ASSEMBLY	
- 17	COMM	CABLE, 0.062 dia x 13.50 lg 7 x 7 flex stainless steel 1	
- 18	28-1-C	SWAGING SLEEVE, Wire rope (76691)	
- 19	102313	COUPLING, Rail, female	
- 20	111537	CLIP, Rail guide	
- 21	MS20364-428	, NUT	
- 22	AN960-416	. WASHER	
- 23	AN4-7A	BOLT	
- 24	100456	. RAIL, Transfer	

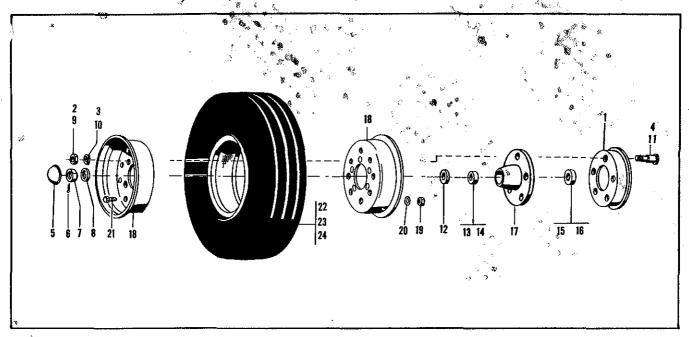


Figure 3. Wheel, Hub, Tire and Tube Assembly

Fig. & Index No.	Part Number	DESCRIPTION 1 2 3 4 5 6 7	Units Usab Per Assy on Co
3-	No Number	WHEEL, HUB, TIRE AND TUBE ASSEMBLY	4 6.
1	51267-6	(See figure 1-6 for next higher assembly) BRAKE DRUM (rear wheels only) (83445) (ATTACHING PARTS)	
- · 2	325-8	NUT	. 5
- 3	AN935-816	. WASHER, Lock	
- 4	111556-5	BOLT, Ribbed neck	
	MS24328-2	. HUB ASSEMBLY	1
- 5	*A-260	CAP, Grease, wheel hub	
- 6	*AN381-4-28	. PIN, Cotter	
- 7	*AN320-16	. NUT	
- 8	*111555	WASHER, Key	
. 9	**325-8	NUT	
- 10	**AN935-816	. WASHER, Lock	
	**111556-5	. BOLT, Ribbed neck (rear wheels only)	
	111556-3	. BOLT, Ribbed neck (front wheels only)	
- 12	MLD6081SS(H1/L7)	. SEAL, Plain (92798)	
	A18393	. BEARING ASSEMBLY, Outboard (60038)	
- 13	15245	CUP, Bearing (60038)	
- 14	15123	CONE, Bearing (60038)	
	A10322	. BEARING ASSEMBLY, Inboard (60038)	
- 15	24720	CUP, Bearing (60038)	
- 16	24780	CONE, Bearing (60038)	
- 17	No Number	. HUB	
	24325-1	. WHEEL, Pneumatic tire	
- 18	No Number	WHEEL HALF	
- 19	325-6	NUT	8
- 20 _G	AN935-616	. WASHER, Lock	
- 21	60-6-6	BOLT	
- 22	COMM	. TIRE, 6.00 x 9 10 ply	1
- 23	COMM	TUBE, 6.00 x 9	
- 24	COMM	FLAP, 6.00 x 9	
		*Previously listed, Figure 1, indexes 5, 7, 8, 9. **Previously listed, Figure 3, indexes 2, 3, 4.	•

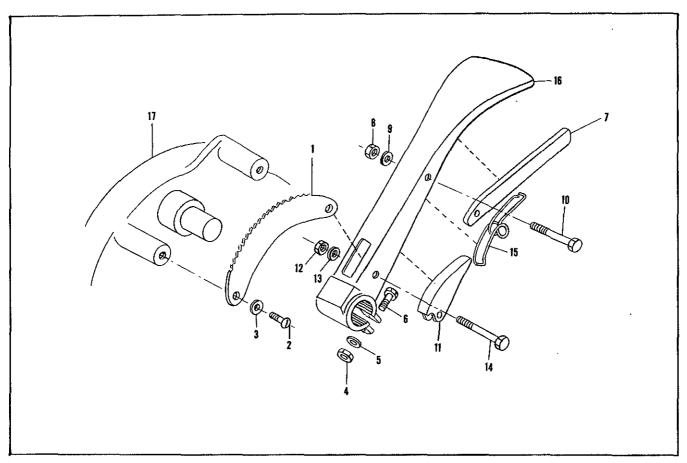


Figure 4. Brake, Sector and Pedal Assembly

Fig. & Index No.	Part Number	DESCRIPTION Units Usa 1 2 3 4 5 6 7 Per Assy on C	ible Code
4-	No Number	BRAKE, SECTOR AND PEDAL ASSEMBLY (See figure 1-10 for next higher assembly) Ref	
- 1	111543	SECTOR, Brake	
. 2	AN500A516-10	SCREW	
. 3	AN935-516	WASHER, Lock 2	
	S-101694	PEDAL ASSEMBLY, Brake	
- 4	AN315-5R	NUT	
- 5	AN935-516	. WASHER, Lock	
- 6	AN5-13A	BOLT	
- 7	S-104925	LEVER, Brake release 1 (ATTACHING PARTS)	
- 8	MS20365-1032	NUT	
- 9	AN960-10	WASHER	
- 10	AN3-12A	BOLT	
- 11	S-104434	. PAWL, Brake	
- 12	MS20365-1032	. NUT	
- 13	AN960-10	. WASHER	
- 14	AN3-12A	BOLT	
- 15	S-104926	SPRING, Brake pawl	
- 16	S-104969	PEDAL, Brake	
- 17	51267L	BRAKE, Shoe type (83445) (See figure 5.)	
	51267R	BRAKE, Shoe type (83445) (See figure 5.)	

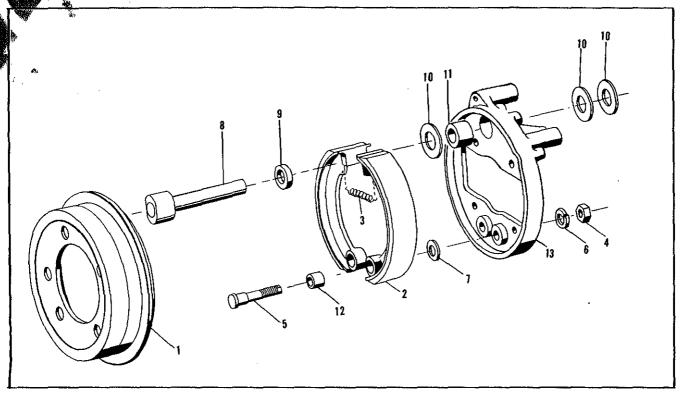


Figure 5. Brake Assembly

Fig. & Index No.	Part Number	DESCRIPTION Units 1 2 3 4 5 6 7 Per Assy	Usable on Code
5-	51267L	BRAKE, Shoe type (83445) (Air Log Spec Cont Dwg 103717-1) (See figure 4-17 for next higher assembly)	
	51267R	BRAKE, Shoe type (83445) (Air Log Spec Cont Dwg 103717-2)	
		(See figure 4-17 for next higher assembly)	
- I	*51267-6	. BRAKE DRUM (83445)	
- 2	51267-2	. BRAKE SHOE, Internally actuated (83445)	
- 3	51267-5	. SPRING, Helical compression (83445)	
- 4	AN315-820	. NUT	
- 5	51279-40	. PIVOT, Eccentric	
- 6	MS35334-37	. WASHER, Lock	
- 7	AN960-816	. WASHER	
- 8	51327-46	CAM SHAFT, Actuating, brake shoe (83445)	
- 9	51339-2	. SPACER (83445)	
- 10	AN960-1016L	. WASHER	
	51267-1-L	PLATE ASSEMBLY, Mounting, LH (83445)	
	51267-R-R	PLATE ASSEMBLY, Mounting, RH (83445)	
- 11	627-878-16A	. BEARING, Sleeve (00481)	
- 12	50049-12	BUSHING, Sleeve (83445) 2	
- 13	51267-1-1-L	PLATE, Mounting, LH (83445)	
1	51267-1-1-R	PLATE, Mounting, RH (83445)	
· · · · · · · · · · · · · · · · · · ·		*Previously listed, Figure 3, index 1, for disassembly sequence.	

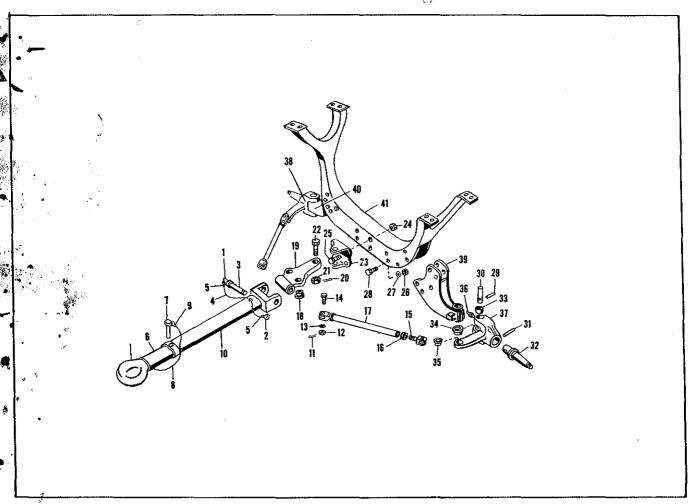


Figure 6. Forward Frame, Tow Bar and Steering Linkage Assembly

Fig. & Index No.	Part Number	DESCRIPTION 1 2 3 4 5 6 7	Units Per Assy	Usable on Code
6-	No Number	SUPPORT ASSEMBLY AND STEERING LINKAGE, FWD		
		(See figure 1-14 for next higher assembly)	. Ref	
	S-104438	. TOWBAR ASSEMBLY, Telescoping		
	S-105092	PIN ASSEMBLY, Towbar	. 1	
- 1	S-105601	RING	. 1	
- 2	S-105599	PIN, Lock	. 1	
- 3	S-105600	, , , PIN ,	. 1	
	S-102408-11	CABLE ASSSEMBLY		
- 4	COMM	CABLE, 0.062 dia x 15.50 lg 7 x 7 flex stainless steel	. 1	
- 5	28-1-C	SWAGING SLEEVE, Wire rope (76691)		
- 6	S-104438-5	. TUBE ASSEMBLY, Inner	. 1	
	S-104438-3	TUBE ASSEMBLY, Outer	. 1	
- 7	825	PIN, Spring lock (99946)	. 1	
	S-102408-7	CABLE ASSEMBLY	. 1	
- 8	COMM	CABLE, 0.062 dia x 11.50 lg 7 x 7 flex stainless steel .	. 1	
. 9	28-1-C	SWAGING SLEEVE, Wire rope (76691)		
- 10	No Number	TUBE, Outer		
	102735	. TIEROD ASSEMBLY	. 2	
		(ATTACHING PARTS)		
- 11	AN381-2-8	. PIN, Cotter	. 4	
- 12	AN320-5	. NUŤ		
· 13	AN960-516L	, WASHER	. 4	
- 14	AN25-32	BOLT	. 4	
A 2	241 107 JA	*	•	

Fig. & Index No.	Part Number	DESCRIPTION Units 1 2 3 4 5 6 7 Per Assy	Usable on Code
6- 15	102734	CLEVIS, Rod end	
- 16	AN316-12	NUT	
- 17	102732	. TUBE, Tierod	
- 18	102741	. BUSHING, Sleeve	
- 19	104331	LINK, Towing	
- 20	AN380-4-8	PIN, Cotter	
- 21	AN320-14	NUT	
- 22	AN34-48	BOLT	
- 23	100415	BRACKET, Towing link	
- 24	MS20365-820	NUT	
- 25	AN8-11A	BOLT	
	104489-1	. SUPPORT ASSEMBLY, Front wheel LH	
	104489-2	SUPPORT ASSEMBLY, Front wheel RH 1 (ATTACHING PARTS)	
- 26	MS20365-820	. NUT	
- 27	AN960-816L	. WASHER	
- 28	AN8-7A	BOLT	,
- 29	MS171602	. PIN, Spring	
- 30	100388	KINGPIN, Steering knuckle	
	104491-1	KNUCKLE ASSEMBLY, Steering LH	
	104491-2	. KNUCKLE ASSEMBLY, Steering RH	
- 31	MS171724	PIN, Spring	
•	*100447	SPINDLE, Axle	
- 33	100379	BUSHING, Sleeve	
- 34	S-100380	BUSHING, Shoulder	
- 35	102742	BUSHING, Shoulder	
- 36	MS15003-1	entrative vo.	
	*104466-1	YEAR TO THE TOTAL TO THE TOTAL	
	*104466-1 *104466-2	KNUCKLE, Steering, LH	
- 30	104465-1	KNUCKLE, Steering, RH	
- 40	104465-2	SUPPORT, Front wheel, LH	
- 40 - 41		SUPPORT, Front wheel, RH	
- 41	100395-3	. FRAME ASSEMBLY (WELDMENT)	

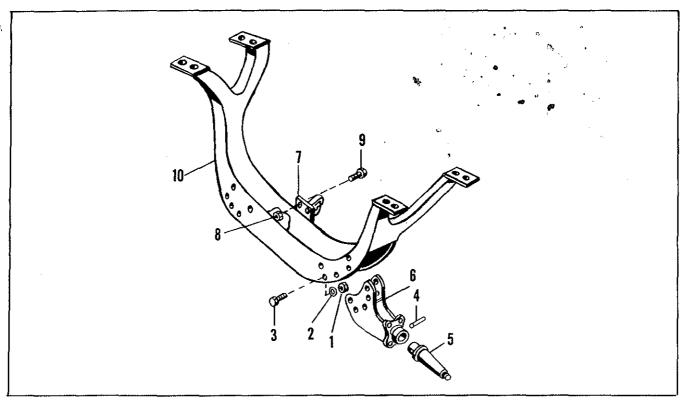


Figure 7. Aft Frame and Support Assembly

Fig. & Index No.	Part Number	DESCRIPTION Units 1 2 3 4 5 6 7 Per Assy	Usable on Code
7-	No Number	FRAME AND SUPPORT ASSEMBLY, Aft (See figure 1-15 for next higher assembly)	
	100441	SUPPORT ASSEMBLY, Rear wheel	
- 1	MS20365-820	NUT	
- 2	AN960-816L	, WASHER	
- 3	AN8-7A	BOLT	
- 4	MS171724	PIN, Spring	
- 5	*100447	SPINDLE, Axle	
- 6	*102205	SUPPORT, Rear wheel	
- 7	1048W0	. PINTLE ASSEMBLY, Towing (83269)	
- 8	MS20365-820	. NUT	
- 9	AN8-12A	BOLT	
- 10	100395-3	FRAME	

SECTION III NUMERICAL INDEX

Part Number	Stock Class Code	Number Serial or Part No.	Fig. & Index No.	Qty, Per Art.	Source Code	Part Number	Stock Class Code	Number Serial or Part No.	Fig. & Index No.	Qty. Per Art.	Source Code
A10322	-		3	4	A	MS20365-1032			4-8	4	
A18393			3	4	A	MS20365-624			2-9	16	
A260	2530	204-2212	1-5	4	Pi	MS20365-820			1-2	64	
			3-5			MS24325-1	2530	528-7224	3	4	P1
AN25-32			6-14	4		MS24328-2	2530	562-3415	3	4	P1
AN3-12A			4-10	3		MS35335-37			5-6	4	
AN315-5R			4-4	2		S-100380	9900	100380	6-34	2	Pi
AN315-820			5-4	4		S-101694	1740	568-9591	4	2	P1
AN316-12			6-16	4		S-102408-11			6	1	M
AN 320-14			6-21	1		S-102408-7			6	1	M
AN320-16			1-8	8		S-102408-9			2	2	M
AN320-5			6-12	4		S-104434	9900	S104434	4-11	2	P1
AN34-48			6-22	1		S-104438	1740	613-6609	6	1	P1
AN380-4-8			6-20	1		S-104438-3	1740	602-4542	6	1	P1
AN381-2-8			6-11	4		S-104438-5	1740	602-4543	6-6	1	Pι
AN381-4-28			1-7	8		S-104925	9900	S104925	4-7	2	P1
AN4-7A			2-5	12		S-104926	9900	S104926	4-15	2	P1
AN5-13A			4-6	2		S-104969	2530	591-0259	4-16	2	P1
AN500A516-10			4-2	4		S-105092	1740	602-7967	6	1	P1
AN535-0-4			1-22	14		S-105599	5315	579-6166	6-2	1	$\mathbf{p_1}$
AN6-11A			1-13	10		S-105600			6-3	1	X1
AN6-21A			2-10	8		S-105601			6-1	I	M
AN6-30A			2-11	8		Tire	2690	051-9880	3-22	4	il.
AN8-11A			1-4	20		Tube	2690	269-7354	3-23	4	
AN8-12A			7-9	4		Tube, Outer		- 47 . 57 -			
AN8-7A			6-28	40		Towbar			6-10	1	X 1
AN935-516			4-3	6		Wheel, Half			3-18	8	
AN935-616			3-20	32		100334	8220	750421-855	1	1	Α
AN935-816			3-3	20		100379	9900	100379	6-33	2	P1
AN960-10			4-9	4		100388	5315	664-4535	6-30	2	Рi
AN960-1016L			5-10	6		100395-3			6-41	2	P1
AN960-416			2-4	12					7-10		
AN960-516L			6-13	4		100415			6-23	1	P1
AN960-616L			1-12	8		100441			7	2	Pı
AN960-816			5-7	4		100447			6-32	4	X1
AN960-816L			1-3	56	P1				7-5	-	
B1-STS-12-2.750	5340	587-8300	2-16	2		100456			2.24	2	$\mathbf{p_1}$
Cable (11.50 lg)			6-8	1		100553			2-12	4	Pi
Cable (13.50 lg)			2-17	2		100877			1-21	I	Pı
Cable (15.50 lg)			6-4	1		100879			1-23	ī	P1
Flap			3-24	4		100881	1740	637-6763	1-25	4	Ρı
Hub			3-17	4	X1	102205		-57 0700	7-6	2	X1
MLD6081SS			~ **	•		102313			2-19	2	Χi
(H1/L7)	5330	576-4465	3-12	4	P1	102314	9900	102314	2-8	2	Ρı
MS15003-1			6-36	4		102334	9900	102334	2	2	Ρi
MS171602			6-29	2		102732	2700	*O200-1	6-17	2	P1
MS171662			2-1	4		102734	5340	596-4923	6-15	4	Pi
MS171724			6-31	4		102735	7,710	270-2720	6	2	Â
MS20364-428			2-3	12		102741	1740	555-7041	6-18	4	P1
MS20364-624			1-11	10		102741	1740	555-7009	6-35	2	Pi

	Stock	Number	Fig. &	Qty.	Source			Stock	Number	Fig. &	Qty.	Source
Part Number	Class Code	Serial or Part No.	Index No.	Per Art.	Code		Part Number	Class Code	Serial or Part No.	Index No.	Per Art	Code
103717-1			4-17	1			24720	3110	100-0542	3-15	4	Pı
103717 2			4-17	i			24780	3110	100-3537	3-16	4	Pi
104331	1740	602-4544	6-19	1	Pι		28-1-C			2-18	8	
104395			1	1						6-5		
104465-1	1740	602-4545	6-39	1	P1			€″ _:		6-9		
104465-2	1740	602-4546	6-40	1	P1		325-6			3-19	32	
104466-1			6-37	1	Χı		325-8			3-2	10	
104466-2			6-38	ı	X 1					3-9		
104489-1			6	1	Α		50049-12	2530	555-4713	5-12	4	\mathbf{p}_1
104489-2			6	1	Α	٠,	51267-1-L	2530	604-9890	5	1	P1
104491-1			6	1	Pı		51267-1-R	2530	604-9889	5	I	P1
104491-2			6	1	Pι		51267-1-1- L			5-13	1	
1048WO	2530	528-7225	7-7	ı	P1		51267-1-1-R			5-13	1	
104873			1-16	i			51267-2	2530	540-6304	5-2	4	Pι
104876			1-17	i			51267-5	2530	593-9810	5-3	2	P1
104877			1-18	2			51267-6			3-1	2	
111534	1740	568-9619	2-2	4	P1					5-1		
111535	1740	568-9620	2-6	4	P1		51267L			4-17	1	
111536	5315	664-5523	2-7	4	P					5	Ref	
111537	1740	568-9621	2-20	4	P1		51267R			4-17	1	
111543	1740	568-9622	4-1	2	P1					5	Ref	
111555	6700	988830	1-9	4	Pi		51279-40	2530	593-9809	5-5	4	Pι
			3-8				51327-46	2530	540-6651	5-8	2	P1
111556-3	5CHT	111556-3	3-11	10	$\mathbf{P}_{\mathbf{I}}$		51339-2	2530	588-4514	5-9	2	P1
111556-5	5CHT	111556-5	3-4	10	\mathbf{p}_1		60-6-6			3-21	32	
			3-11				627-878-16A	2530	540-6991	5-11	4	P1
15123	3110	198-2169	3-14	4	Pι		825	5315	366-1938	6-7	ı	P1
15245	3110	198-2170	3-13	4	P1							

TO. 3303-3-25-

TECHNICAL MANUAL

air to the topy conf

HAUSTRATED PARTS BREAKDOWN

8220, 750421-855

ENGINE TRAHSPORTATION TRAILER

MODEL 2000

MODIFIED PART NO. AF 64E34634

(O. E. SZEKELY & ASSOC.)
AF 41(608)40261

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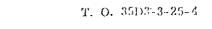
APPS SA DEC 66, 800

May 1959 CHANGED 21 OCTOBER 1966



GROOM ASSEMBLY PARTS LIST

Mg. & Indoa	Th-1	Description	Units Per	Usable on
No.	755.	1 2 3 4 5 6	Assy	Code
1	100004	TOMICER, Engine transportation	1	Λ.
	64634631	. TRABLER, Engine transportation	1	B
4-1	100770	TOWEAR, Telescoping (Subscitute P/N 64133431)	1 1	
•		-{6, f 1,600 c 100 c 100 c 10}		
-2	A 2013 to 1.20	. PN, Collon	2	
	Visite 1332	177 (1874) 177 (1874)	2	
- 15	14355	Tax, Temper	1	
	103735	. PRINCE AND AND RECORDED AND R	21/	Kirkin manan d
•	With the second	(ATTACONG PARTS)	71	
5	A3331-2-8	PER, Cetter	4	1
- G	AN320-5	Mercan son a construction of the construction	4	
		WASTER	Ą	
-7	A 350004-5197,	BOLT	-	10
-8	A 7₹25 × 3 ?	(1); (1) - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	4	
-9	102741	BUSHING	4	The second of
-10	102732	. TUBE, Tierod	. 1	
-11	A3:310-12	Millian and a second a second and a second a	2	
-12	19973 :	C) (EV) Section 1	2	
j <u>a</u> j	104331	LNX, Towing	ر. ساد 1	•
,	T. 6-2-40-7	(ATTACHING PARTIE)	1 0.	-
· >d	AN381-4-28	PIN Cottor	1	* * * *
,	AN320-14			
-14		BOLT	1	
~15	AND4-48	- MA, 3'	1"	
; M	104331	. LINE	1-	
-17	100000	BUSHING	2-	3.1
-53	102741	BUSHING	2	
-19	100415	. BRACKET, Towbar attaching	I Essen	
3.,	2007110	(ATTACHENG PARTS)		
-20	AN384-800 -	NUT	Λ	2 / 100
-21	A18-10A	. BOLT	1	Jane Carlo
57	MH0-10M	. DOD'T	*7	
-23	111534	. BRACKET, Stop adapter	4	
4-34		(ATTACHING PARTS)		•
-23	AN364-323	NUT	8	
-24	AN080-416	WASTER	8	
-25	A26-7A	POLT	8	
22.9	11114 176	**************************************	O	
-23	79-040-250-2000	. ROLLPIN (manufactured by 72962)	4	
:27	111536	PIN, Stop adapter	4	
-23 24	111535	SPRING, Stop adapter	4	
-,29	111537	CLIP, Guide rail	4 :	•
ė.o.	00k kactek	(ATTACHING PARTS) . NUT		•
±30	AN364-428	. WASHER	Ą	
-31	AND60-416		4	
-32	VM4-6V	. BOLT*	4	
33	102314	. COUPLING, Male	2	
**	•	,		



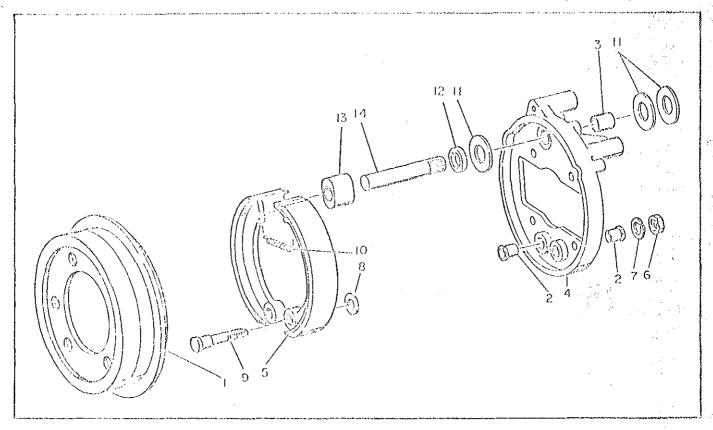


Figure 2. Parking Brake Assembly

Fig. & Index	Part						
No.	No.	1 2 3 4 5 6	Assy	Code			
2-	51267-1,	BRAKE ASSEMBLY, Parking, LH (manufactured by 83445) (See figure 1 for next higher assembly)	REF				
	51267~Tt		REF	**************************************			
1	51267-6	. DRUM, Brake, al (manufactured by 83445)	1				
-2	50040-13	. BUSHING, Steel (manufactured by 83445)	4				
-3	627-878-16A	. BEARING, Bronze (manufactured by 00481)	2	•			
-4	51267-1L	. PLATE, Mounting, LH (manufactured by 83445)	ĭ				
	51267~1R	. PLATE, Mounting, RH (manufactured by 83445)	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
-5	51267-2	 BRAKE SHOE ASSEMBLY (with bonded lining) (manufactured by 83445) 	2				
		(ATTACHING PARTS)					
-6	COMM	. NUT, Hex, cad plate, 1/2-20 UNF-2B	2	•			
-7	MS35335-37	. WASHER, Shakeproof, special	2				
-8	AN960-816	. WASHER	2 .				
-9	51279-40	. PIVOT, Eccentric (manufactured by 83445)	2	4"			
-10	51267~5	. SPRING (manufactured by 83445)	1				
-11	VN300-10101	. WASHER*	3				
	51327-46	. CAMSHAFT ASSEMBLY, Integral (manufactured by 83445)	1	of transition			
-12	51339-2	SPACER, Cam (manufactured by 83445)	î	1 3 3 3 5 A			
-13	51337	CAM (manufactured by 83445)	1 .				
-14	51338-46	. SHAFT, Cam (manufactured by 83445)	1				