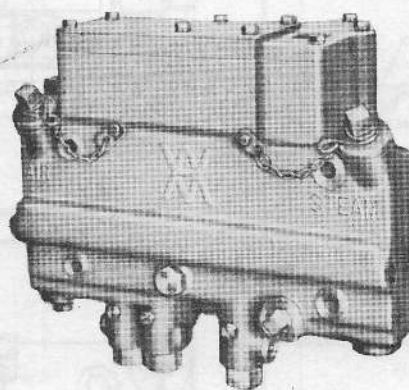


Westinghouse Air Brake Company

Wilmerding, Pa., U. S. A.



F-2 Lubricator

For

8½" Cross Compound

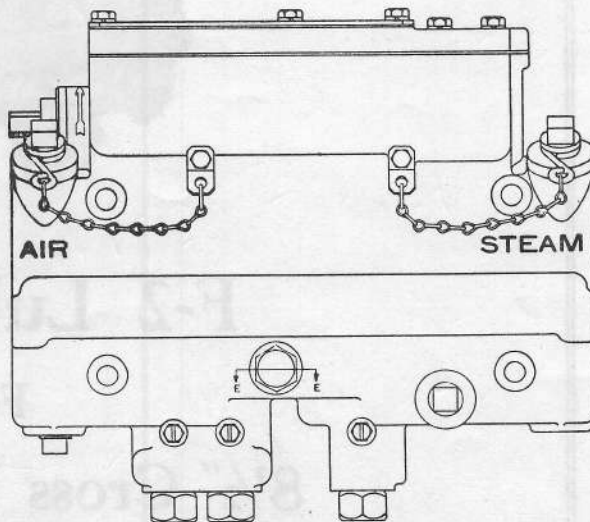
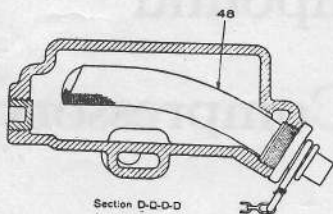
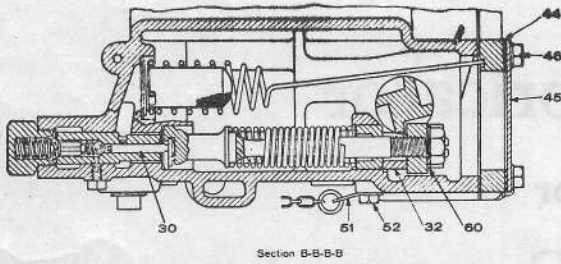
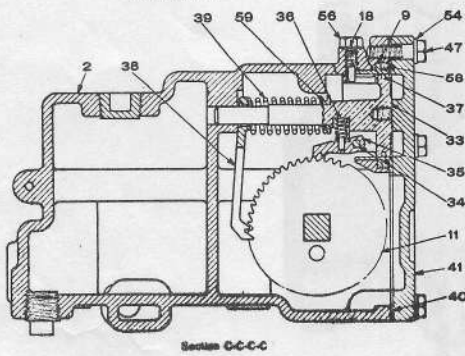
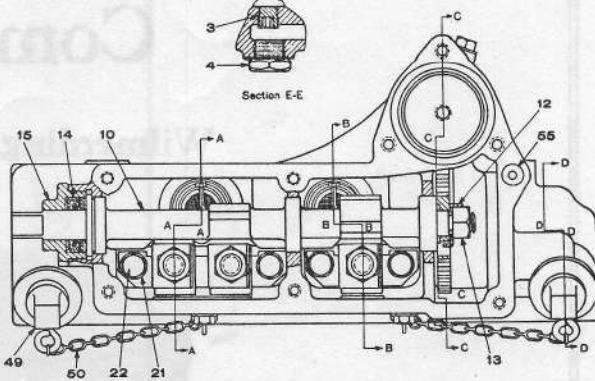
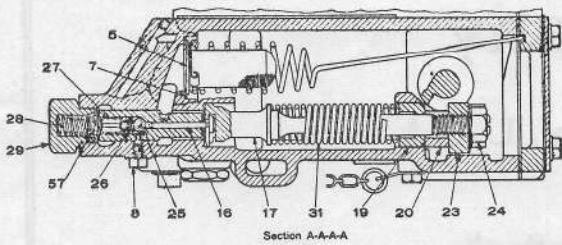
Steam Driven Air Compressors

Part Catalog No. 3204-5

Supplement No. 9

June, 1947

F-2 LUBRICATOR



Approx. Net Weight 55 Lbs.

F-2 LUBRICATOR

The F-2 Lubricator is included with the 8½" "E" Type Cross Compound Air Compressor as fundamental standard and is recommended for all those Compressors arranged for it. All Air Cylinders for 8½" "D" Type Cross Compound Air Compressors, as now furnished, are arranged for mounting the F-2 Lubricator.

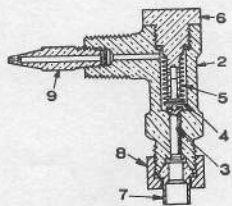
Installation Accessories for applying the F-2 Lubricator to the "E" or "D" Types of 8½" Air Compressor are given in Part Catalogs 3204-1, Sup. 10 and 3204-1, Sup. 8, respectively, except for details of Terminal Elbow Fitting, see below.

Piece Number 524587 F-2 Lubricator, Complete, less Installation Accessories.

Piece No.	Ref. No.	†No. Per Pkg.		Piece No.	Ref. No.	†No. Per Pkg.	
524588			Body, complete (includes 2, 3, 4, two of Pc. 33310, and three of 8)	*525677			Piston, complete, with Ring (includes 37 and Pc. No. 524595)
524589	2		Body	524595			Piston, complete, less Ring (includes 33, 34, 35, and 36)
519848	3		¼" Splined Pipe Plug	524596	33		Piston (includes 59)
92369	4		Cap Nut	522347	34		Ratchet Fulcrum Pin
529623	5		Oil Strainer, Complete (2 req'd)	520847	35		Ratchet with Pin
522658	7		Strainer Gasket (2 req'd)	†504029	36		Ratchet Spring
524020	8		Cap Nut (3 req'd)	81221	37	50	2" Piston Ring (1st Repair Size)
524593	9		Piston Bush	11950	37	50	2" Piston Ring (2nd Repair Size)
520696	10		Cam Shaft	14284	37	50	2" Piston Ring (3rd Repair Size)
520692	11		Ratchet Wheel	520693	38		Ratchet Wheel Return Stop
522228	12		Lock Washer	†520688	39		Piston Spring
500819	13		Cam Shaft Nut	520691	40		Cover Gasket
520709			Cam Shaft Oil Seal Retainer, complete (includes 14 and 15)	520690	41		Cover
523191	14		Oil Seal	522399	44		Cover Plate Gasket
520710	15		Retainer	522398	45		Cover Plate
520704	16		Small Plunger (2 Req'd)	15683	46		⅝" x ⅝" Cover Plate Cap Screw (2 req'd)
524598	17		Plunger Spring Shaft (3 req'd)	76731	47		⅝" x 1¼" Cover Bolt (8 req'd)
506602	18		Set Screw Lock Washer	528376	48		Filler Strainer (2 req'd)
520700	19		Spring Guide (3 req'd)	520718	49		Oil Filling Cap Nut (2 req'd)
520702	20		Double Adjusting Nut Stop	520711	50		Chain (includes 51) (2 req'd)
506603	21		⅜" Lock Washer (4 req'd)	520713	51		Washer for Anchoring Chain (2 req'd)
20424	22		⅜" x 1½" Hex. Hd. Bolt (4 req'd)	93824	52		¼" x ½" Bolt for Anchoring Chain (2 req'd)
520701	23		Adjusting Nut (3 req'd)	9469	54		⅝" Lock Washer (10 req'd)
500819	24		½" Lock Nut (3 req'd)	523619	55		½" x ¼" x ¼" Gasket
503634	25		⅝" Ball Check Valve (3 req'd)	524594	56		Set Screw
†529332	26		Ball Check Spring (3 req'd)	524600	57		Check Valve Spring Seat (3 req'd)
524599	27		Check Valve (3 req'd)	524602	58		Piston Cover Gasket
†500573	28		Check Valve Spring (3 req'd)	530540	59		Piston Spring Seat
524601	29		Check Valve Cap Nut (3 req'd)	531480	60		½" Lock Washer
520705	30		Large Plunger	33310			½" Pipe Plug (2 req'd)
†520699	31		Plunger Spring (3 req'd)				
520703	32		Single Adjusting Nut Stop				

TERMINAL ELBOW FITTING

Pc. No.	Ref. No.	Description
525624		Terminal Elbow Fitting, Complete, with Nut and Swivel (For special F-2 Lubricator installations, customer to braze the oil tube to the union swivel)
525189		Terminal Elbow Fitting, Complete, less Nut and Swivel (For standard installation)
520750	2	Terminal Elbow, COMPLETE
512041	3	Valve
520775	4	Spring Seat
†513436	5	Check Valve Spring
520760	6	Cap Nut and Spring Retainer
525209	7	Union Swivel, ⅜" COPPER TUBING
504050	8	Union Nut
520761	9	Nozzle



Approx. Net Weight 2 1/4 Lbs.

*Unless otherwise specified, 2nd Repair Ring, Pc. No. 11950 is furnished with Pc. No. 525677 (Piston with Ring).

†Column headed "No. Per Pkg." indicates the items for which standard shipping packages have been established and the number contained in the package. Orders placed in these quantities or multiples thereof will facilitate shipments, and provide convenient means for handling in storeroom stock.

†For Spring Identification Table, see page 4.


Prices will be quoted upon application

Orders should give PIECE NUMBER and NAME of part wanted

F-2 LUBRICATOR

SPRING IDENTIFICATION

The following table is shown to enable railroad men, storekeepers and all Air Brake men to identify the various springs used in the F-2 Lubricator cataloged herein. It is based on calculated figures and the actual spring will vary somewhat, due to small differences in wire diameter, coil diameter, number of turns, etc. This tabulation is intended for identification only and should not be used for any other purpose. It does not represent a specification for the springs mentioned.

		SPRING IDENTIFICATION							
		Pc. No.	Approx. Out. Dia. "A"	Approx. Dia. Wire "B"	Approx. Free Height "C"	Approx. No. Turns **	Material	Name of Spring	Where Used
		529332	$\frac{19}{64}$ "	.018"	$\frac{7}{16}$"	10	Steel	Ball Check Spring	F-2 Lubricator
		500573	$\frac{23}{64}$ "	.073"	$1\frac{3}{64}$ "	9	Steel	Check Valve Spring	
		520699	$\frac{31}{32}$ "	.113"	$4\frac{3}{4}$" $3\frac{21}{32}$ "	20	Steel	Plunger Spring	
		504029	$\frac{9}{32}$ "	.0286"	$\frac{35}{32}$ "	12	Steel	Ratchet Spring	
		520688	$\frac{15}{16}$ "	.098"	$2\frac{45}{64}$ "	11	Steel	Piston Spring	
		513436	$\frac{25}{64}$ "	.054"	$1\frac{9}{64}$ "	14 $\frac{1}{2}$	Steel	Check Valve Spring	Terminal El. Fitting

**Note. The number of turns for each spring to be counted from the extreme ends of the wire.

Prices will be quoted upon application

Orders should give PIECE NUMBER and NAME of Part wanted