91 Charts

CHAPTER 91

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CHART 201

TABLE OF TORQUES

ENGINE MOUNTING

Engine Mount Bracket Bolts And Nuts (At Firewall)	350 to 390 in. lbs.
Engine Shock Mount Bolts And Nuts	250 to 300 in. lbs
Engine Mounting Bracket Bolts	270 in lbs

ENGINE COMPONENTS

Air Conditioner Compressor Mounting Nuts	160 to 190 in. lbs.
Generator Mounting Bracket Bolts (Side Bracket)	150 in. lbs
(Bottom)	75 in. lbs.
Engine Spark Plugs	360 to 420 in. lbs
Engine Spark Plug Lead Connections	25 in. lbs
Engine Oil Filter Retainer Bolt	25 to 30 ft. lbs.
Propeller Starter Gear/Slip Ring to Crankshaft	60 to 70 in. lbs.
Turbocharger Exhaust Clamp P/N MVT-68637-450-M	50 to 60 in. lbs

HORIZONTAL AND VERTICAL STABILIZER

All 5 16 - 24 bolts	100 to 140 in lbs
All 3/8 - 24 bolts	160 to 190 in lbs

WING MOUNTING

NOTE

Wing mounting bolt torque should be checked at the first 100 hour inspection and 100 hours after wing reinstallation, replacing a wing bolt(s) or adjusting the wing. If it is necessary to retorque the wing bolts at this time, the bolts should then be checked at the next 100 hour inspection. This check should continue at each 100 hour inspection until it is no longer necessary to retorque the bolts. Check bolt torque at the nut end only.

Leading Edge Wing Mounting Bolt (Dry Torque Only)	100 to 140 inlbs
Upper Front Wing Mounting Bolt ((Wet Torque Only)	2480/2600 inlbs
Upper Rear Wing Mounting Bolt (Wet Torque Only)	1180/1300 inlbs
Lower Rear Wing Mounting Bolt (Wet Torque Only)	2480/2600 inlbs
Lower Forward Wing Mounting Bolt (See Chapter 57-00-00 for	
Torquing Instructions)	

LANDING GEAR

Strut Connecting Arm Bolts	290 to 410 in. lbs.
Horizontal Brace Bolts	25 to 40 in. lbs
Main Gear Axle Nut	15 to 20 ft. lbs.
Main Gear Hinge Bolts	250 to 800 in lbs.

CHART 201 (Cont'd)

TABLE OF TORQUES

FUEL SYSTEM (Attaching Bolts For)

Filler Necks	45 to 55 in. lbs.
Nacelle Transmitter	45 to 55 in. lbs.
Leading Edge Fuel Cell Outlet Plate	20 to 30 in. lbs.
Transmitter	25 ± 5 in. lbs.
Fuel Boost Pump	45 to 55 in. lbs.
Access Plates	45 to 55 in. lbs.
Fuel Cell Interconnect Clamps	$25 \pm 5 \text{ in. lbs.}$
Rubber Fuel Nipple Clamps	25 + 5 in. lbs.
HEATER SYSTEM	!
Spark Plug	28 ft. lbs.
Spark Plug High Voltage Lead	20 ft. lbs.

20 ft. lbs.

Fuel Spray Nozzle

CHART 202

TORQUING FINE THREAD SERIES BOLTS LOADED IN SHEAR

NOTE

The following torque values may be used as a guide when specific torques are not called out within this manual.

	TORQUE LIMITS RECOMMENDED (INCH-POUNDS)		MAXIMUM ALLOWABLE TORQUE (INCH-POUNDS)	
SIZE	AN365 AND AN310 NUTS	AN364 AND AN320	AN365 AND AN310	AN364 AND AN320 NUTS
	COLUMN 1	NUTS COLUMN 2	NUTS COLUMN 3	COLUMN 4
8-36	12-15	7-9	20	12
10-32	10-25	12-15	40	25
1/4 - 28	50-70	30-40	100	60
5/16 - 24	100-140	60-85	225	140
3/8 - 24	160-190	95-113	390	240
7/16 - 20	450-500	270-300	840	500
1/2 - 20	480-690	290-410	1100	660
9/16 - 18	800-1000	480-600	1600	960
5/8 - 18	1100-1300	660-780	2400	1400
3/4 - 16	2300-2500	1300-1500	5000	3000
7/8 - 14	2500-3000	1500-1800	7000	4200
1 - 14	3700-5500	2200-3300	10000	6000
1 - 1/8 - 12	5000-7000	3000-4200	15000	9000
1 - 1/4 - 12	9000-11000	5400-6600	25000	15000

NOTE

The above values apply to Class 3 threads, cadmium plated and non-lubricated.

CHART 203

TORQUING COARSE THREAD SERIES BOLTS LOADED IN SHEAR

TORQUE LIMITS RECOMMENDED MAXIMUM ALLOWABLE (INCH-POUNDS)

SIZE	AN365 AND AN310 NUTS COLUMN 1	AN364 AND AN320 NUTS COLUMN 2	AN365 AND AN310 NUTS COLUMN 3	AN364 AND AN320 NUTS COLUMN 4
8-32	12-15	7-9	20	12
10-24	20-25	12-15	35	21
1/4 - 20	40-50	25-30	75	45
5/16 - 18	80-90	48-55	160	100
3/8 - 16	160-185	95-110	275	170
7/16 - 14	235-255	140-155	475	280
1/2 - 13	400-480	240-290	880	520
9/16 - 12	500-700	300-420	1100	650
5/8 - 11	700-900	420-540	1500	900
3/4 - 10	1150-1600	700-950	2500	1500
7/8 - 9	2200-3000	1300-1800	4600	2700
1 - 8	3700-5000	2200-3000	7600	4500
1 - 1/8 - 8	5500-6500	3300-4000	12000	7200
1 - 1/4 - 8	6500-8000	4000-5000	16000	10000

NOTE

The above values apply to Class 3 threads, cadmium plated and non-lubricated.

CHART 204

FLARE FITTING TORQUE CHART

TORQUE - INCH-POUND

TUBING OD		M - ALLOY		TUBING ARE	and the second s	D FITTING ND
INCHES		AND 10078		10061	5.07	SEMBLIES
	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
1/8						
3/16	***		90	100	70	100
1/4	40	65	135	150	70	120
5/16	60	80	180	200	85	180
3/8	75	125	270	300	100	250
1/2	150	250	450	500	210	420
5/8	200	350	650	700	300	480
3/4	300	500	900	1000	500	850
1	500	700	1200	1400	700	1150
1-1/4	600	900				
1-1/2	600	900				
1-3/4						
2						

INSTALLATION OF FLARED FITTINGS

When installing flare fittings, make sure the male threads are properly lubricated in accordance with Chart 208. Torque the fittings in accordance with Chart 204 above. Do not overtorque.

CHART 205

SEALING MATERIALS

SEALING

Because the BEECHCRAFT Duke is a pressurized aircraft, sealing the skin and bulkhead seams, the windows, doors, etc., is of prime importance. Control cables and torque shafts have removable rubber seals. When making a

structural repair or modification which creates a break in the pressure vessel, the mating surfaces must be sealed with the proper sealer. All other components piercing the pressure vessel or attached to it must be sealed with the sealers described in Chart 205. To assure effective bonding of the sealers, be sure to clean all mating surfaces, mating parts and rubber seals thoroughly.

ITEM	PRODUCT	VENDOR
1.	A56B Cement	B. F. Goodrich Co., Akron, Ohio
2.	EC-2141	Minnesota Mining and Manufacturing Co., St. Paul, Minnesota
3.	Permatex Sealer No. 2	Permatex Co., Inc., Kansas City, Kansas
4.	Presstite Sealer No. 155	Presstite Engineering Co., St. Louis, Missouri
5.	EP-711 Sealer	Coast Pro Seal and Mfg. Co., Los Angeles, California
6.	EC-1792	Minnesota Mining and Manufacturing Co., St. Paul, Minnesota
7.	EC-1239 Sealer	Minnesota Mining and Manufacturing Co., St. Paul, Minnesota
8.	Y-9136 Teflon Tape	Minnesota Mining and Manufacturing Co., St. Paul, Minnesota
9.	PR-1221 Sealer	Minnesota Mining and Manufacturing Co., St. Paul, Minnesota
10.	EC-750	Minnesota Mining and Manufacturing Co., St. Paul, Minnesota
11.	EC-801	Minnesota Mining and Manufacturing Co., St. Paul, Minnesota
12.	EC-1300L	Minnesota Mining and Manufacturing Co., St. Paul, Minnesota
13.	EC-612	Minnesota Mining and Manufacturing Co., St. Paul, Minnesota
14.	EC-776	Minnesota Mining and Manufacturing Co., St. Paul, Minnesota
15.	EC-801A-1/2	Minnesota Mining and Manufacturing Co., St. Paul, Minnesota
16.	EC-1368	Minnesota Mining and Manufacturing Co., St. Paul, Minnesota

Chart 205 (Cont'd)

SEALING MATERIALS

ITEM	PRODUCT	VENDOR
17.	EC-1403	Minnesota Mining and Manufacturing Co., St. Paul, Minnesota
18.	Bostic 1008	United Shoe Machinery Corp., B. B. Division, 748 Memorial Drive, Cambridge, Massachusetts
19.	Pro Seal 890 B-1/2	Coast Pro-Seal and Manufacturing Co., Los Angeles, California
20.	EC-1675 B-1/2	Minnesota Mining and Manufacturing Co., St. Paul, Minnesota

NOTE

Proper procedure for applying the sealers may be found in the directions on the sealer container and/or in the chapter of this manual applying to that area being worked.

CHART 206

APPLICATION OF SEALING MATERIALS

APPLICATION	MATERIAL	REMARKS
Metal Surfaces and Wet Wing Tip	O-A-51, Acetone; MIL-M- 13999, Methyl Ethyl Ketone; *TT-N-95, Naphtha	Clean all surfaces prior to application of adhesive or sealer. Adhesives or sealers may be applied to zinc chromate primed surfaces.
Synthetic or Natural Rubber	MIL-M-13999, Methyl Ethyl Ketone; TT-T- 548, Toluol	Clean all surfaces to be bonded. Where possible, scuff surface by wire brushing or sanding.
Silicone Rubber	TT-X-916, Zylene	Clean all surfaces with zylene only when a surface lubricant, i.e. soapstone has been applied by the manufacturer.
Rubber Door Seals	EC-847	Rubber seals are installed to prevent air leakage. The seals must be cut with mitered corners to fit the periphery of the door jam. Apply a thin coating of adhesive to both the areas where the seal will be placed and the side of the seal to be bonded. Allow to dry completely, then lightly wipe the surface to be bonded with a cloth dampened with MIL-M-13999 methyl ethyl ketone to reactivate the adhesive. Position the seal carefully as it has immediate adhesion when laid in place.
Unused Drill Holes	EC-1239, *PR-890 B-1/2 or *EC-1675 B-1/2	Plug holes which go through pressure boundaries with rivets, or seal with EC-1239.
Plumbing Fittings	EC-1239 B-1/2 or PR-1221 B8	Apply to all plumbing fittings which pass through a pressure boundary.
Electrical Fittings	EC-1239, EC-776	Seal all electrical plugs which pass through a pressure boundary with EC-1239. Apply EC-776 on the screw head used for attachments upon completion of the installation.

CHART 206 (Cont'd)

APPLICATION OF SEALING MATERIALS

APPLICATION	MATERIAL	REMARKS
Faying Surface Seal	PR-1221 B8, EC-1239 B-1/2 EC-1792 *PR-890 B-1/2 *EC-1675 B-1/2	Apply with a bead approximately 1/8 to 3/16 inch in height, depending on the width of the lapped skin or angles. Apply sufficient sealant so there will be a slight squeeze out of sealant along the edge on the pressure side of the assembly when the assembly is completed.
Fillet Seal	PR-1221 B8, EC-1239 B-1/2 *PR-890 B-1/2 *EC-1675 B-1/2	Apply with a gun capable of extruding beads at least three times the thickness of the skin being sealed. Work the tip of the gun so it packs the sealant into the cracks, crevices or skin lap. The fillet must make complete contact with the immediate area.
Gap Seal	EC-1239 *PR-890 B-1/2 *EC-1675 B-1/2	Apply with a gun or spatula over the edges of the flanges forming at least 1/4 inch lap with a center thickness of 1/4 to 1/2 inch, depending on the size of the hole. Gaps and voids larger than 3/8 inch in two dimensions should be sealed with a mechanical closure.
Coating Seal	EC-776 *PR-890 B-1/2 *EC-1675 B-1/2	Apply as necessary to prevent pres- sure leaks on an area double the size of the rivet butt, working the sealer with the brush to in- sure that the rivet is completely covered.
Window Seal	EC-1202	Apply around periphery of all window panels prior to installation in frames. Tape width is to extend equally on both sides of panels.
Sealant Ribbon	Prestite 155	Apply around periphery of all removable inspection doors and panels.
*Wet Wing Tip		

CHART 206 (Cont'd)

APPLICATION OF SEALING MATERIALS

TERMS

Faying Surface Seal refers to a seal where the sealing material is applied between the joint surfaces before assembly.

Fillet Seal refers to a seal over a joint or seam that fills the gap. It is not to be applied in the nature of a bridge.

Gap Seal refers to a seal where the sealing material is packed into a gap or void and lapped over the edges. These seals should not be used on gaps or voids larger than 3/8 inch in two dimensions.

Pot Life refers to the workable life of a two-part sealant mixture.

Sealing Ribbon refers to an extruded section ribbon sealer used on removable inspection doors.

Sealing Tape refers to a sealer made in the form of a tape and supported by a loose woven tobacco cloth. This tape is used in areas where a wide flat layer of sealer is required, such as a window installation.

CHART 207

CONSUMABLE MATERIALS

Only the basic number of each Military Specification is included in the Consumable Materials Chart. No attempt has been made to update the basic number with the letter suffix that designates the current issues of the various specifications.

Vendors that are listed as meeting the Federal and Military Specifications are provided as reference only and are not specifically recommended by Beech Aircraft Corporation; consequently, any product conforming to the specification listed may be used. The products listed below have been tested and approved for aviation usage by Beech Aircraft Corporation, the vendor, or by compliance with the applicable specifications. Other products that are locally procurable which conform to the requirements of the applicable Military Specification may be used even though not specifically included herein.

It is the responsibility of the operator/user to determine the current revision of the applicable Military Specification prior to usage of that item. This determination may be made by contacting the vendor of a specific item.

ITEM	MATERIAL	SPECIFICATIONS	VENDOR PRODUCTS
1.	Fuel, Engine	100/130 octane (If not available, use 115/145) Never use 91/96 octane fuel.	
2.	Oil, Engine (Ashelss Disperant)	MIL-L-22851	Global Concentrate A Delta Petroleum Company Inc., P. O. Box 10397 New Orleans, La. 70121

Paranox 160 and 165 Enjay Chemical Company 60 West 49th Street New York, N. Y. 10020

RT-451, RM-173E, RM-180E Mobil Oil Corporation 150 East 42nd Street New York, N. Y. 10017

Shell Concentrate A Code 60068. Aeroshell W120, Aeroshell W80 Shell Oil Company One Shell Plaza Houston, Texas 77002

TX-6309 Aircraft Engine Oil, Premium AD120, Premium AD80 Texaco Inc. 135 East 42nd Street New York, N. Y. 10017

PQ Aviation Lubricant 753 American Oil and Supply Co. 238 Wilson Avenue Newark, N. J. 07105

ITEM	MATERIAL	SPECIFICATIONS	VENDOR PRODUCTS
2.	Oil, Engine (Ashless Dispersant) (Cont'd)	MIL-L-22851	Chevron Aero Oil Grade 120 Chevron Oil Co. 1200 State Street Perth Amboy, N. J. 08861
			Esso Aviation Oil E-120, Enco Aviation Oil E-120, Esso Aviation Oil A-100, Enco Aviation Oil A-100, Esso Aviation Oil E-80, Enco Aviation Oil E-80
			Enco Aviation Oil E-80 Exxon Company, U.S.A. P. O. Box 2180 Houston, Texas 77001
			Chevron Aero Oil Grade 120 Standard Oil Co. of Calif. 225 Bush Street San Francisco, Calif. 94120
3.	Corrosion Preventive Compound	MIL-C-6529	Anti-Corrode No. 205 Cities Service Oil Co. 60 Wall Tower, New York 5, N. Y.
			Rust Foil No. 652-2, Franklin Oil and Gas Co., Bedord, Ohio
			Kendex No. 7038, Kendall Refining Co., Bradford, Pa.
4.	Lubricating Oil	MIL-L-6081	Gulflite Turbojet Oil No. 1010, Gulf Oil Corp. Pittsburgh, Pa.
			Aeroshell No. 3-1286, Shell Oil Co., 50 West 50th Street, New York, N. Y. 10020
			Jet Engine Oil No. 1010, Texaco Inc., 135 East 42nd Street, New York N. Y. 10017

ITEM	MATERIAL	SPECIFICATIONS	VENDOR PRODUCTS
5.	Lubricating Oil	SAE 20 or SAE 10W30	
6.	Lubricating Oil, Aircraft Reciprocating (Piston) Engine	MIL-L-6082	Conoco Aero Oil No. 1065, Continental Oil Co. Ponca City, Oklahoma
			Phillips 66 Aviation Engine Oil, Grade 1065 Phillips Petroleum Co. Bartlesville, Oklahoma
			Skelflite No. 100, Skelly Oil Co., El Dorado, Kansas
			Avrey 10V1100, Socony Mobil Oil Co. Inc., 150 East 42nd Street, New York, N. Y. 10017
			Or any approved air- plane engine oil (graded at 1065 or 1100).
7.	Lubricating Oil (Gear)	MIL-L-6086 Grade M	Trojan Gear Oil No. 6086 M. Cities Service Oil Co., 60 Wall Tower, New York 5, N. Y.
			Aeroshell Fluid 5 M, Shell Oil Co., 50 West 50th Street, New York, N. Y.
			L-1195, Sinclair Re- fining Co., 600 Fifth Avenue, New York, N. Y.
8.	Lubricating Grease (General Purpose)	MIL-G-7711 (Superseded by MIL-G-81322, See Item 9)	

ITEM	MATERIAL	SPECIFICATIONS	VENDOR PRODUCTS
9.	NOTE MIL-G-81322 is not compatible with Aeroshell No. 5 and contains chemicals harmful to painted surfaces.	MIL-G-81322	Mobilgrease 28 Mobil Oil Corporation Shoreham Building Washington D.C. 20005 Aeroshell 22, Shell Oil Co., 50 West 50th Street, New York, N. Y.
10.	Lubricating Grease (Gear)	Mobile Compound G. G.	
11.	Lubricating Grease (Aircraft and Instruments, Low and High Temperature) NOTE Precautions should be taken wher using MIL-G-23827 and MIL-G-813 since these greases contain chem cals harmful to painted surfaces.	322,	Supermil Grease No. A72832, American Oil Co., 910 South Michigan Avenue Chicago, Ill. 60680 Royco 27A, Royal Lubricants Co., River Road, P. O. Box 95, Hanover, N. J. 07936 Shell 6249 Grease, Shell Oil Co., 50 West 50th St., New York 20, N. Y.
12.	Lubricant, Molybedenum Disulfide Powder	MIL-M-7866	Molykote Z Wilco Co., Wichita, Kansas Molykote Z Standard Oil of Kentucky Molykote Z, Haskell Engineering and Supply Company, 100 East Graham Place Burbank, California 91502 Moly-Paul No. 4, K. S. Paul Products Ltd. Nobel Road, London, England

ITEM	MATERIAL	SPECIFICATIONS	VENDOR PRODUCTS
13.	Hydraulic Fluid	MIL-H-5606	Brayco 756D, Bray Oil Co., 3344 Medford Street, Los Angeles 63, California
			PED 3656 Standard Oil Co. of California 225 Bush Street, San Francisco 20, California
14.	Oxygen-System Leak Testing Compound	MIL-L-25567	
15.	Solvent, Dry Cleaning or White Spirit	PD680 or British Specification 245	
16.	Lubricating Oil	SAE-10	
17.	Air conditioner Refrigerant	R-12	
18.	Oil (Air Conditioner Compressor) 500 Viscosity		Suniso No. 5 Virginia Chemical and Smelting Co., West Norfolk, Virginia
			Texaco Capella E, Texaco Inc 135 East 42nd Street, New York, N. Y. 10017
19.	Aviator's Breathing Oxygen	MIL-O-27210	
20.	Naphtha	TT-N-95	
21.	Methyl Ethyl Ketone	MIL-M-13999	
22.	Toluol (Toluene)	TT-T-548	
23.	Paint Remover		Turco No. 4260 Turco Products Inc., Los Angeles, California
24.	Epoxy Primer		Ameron Industrial Coatings Division P.O. Box 2153, Wichita, Kansas

ITEM	MATERIAL	SPECIFICATIONS	VENDOR PRODUCTS
25.	Wash Primer		Ameron Industrial Coatings Division P.O. Box 2153, Wichita, Kansas
26.	Zinc Chromate Primer	MIL-P-8585	
27.	Rubber Hose	MIL-H-5593	
28.	Oil, Engine Preservative	MIL-L-21260	
29.	Graphite, Lubricating	SS-G-659 (Supersedes MIL-G-6711)	Anchor Packing Co., 401 Broad St. Philadelphia, PA. 19108
	NOTE Lubricating Graphite Supersed by Item 12	ded	Bel-Ray Co., Inc., P.O. Box 526, Farmingdale, N.J. 07727 Crane Packing Co., 6400 Oakton St., Morton Grove, III. 60053 Ducommum Inc., Super-Temp Div. 11120 S. Norwalk Blvd., Santa Fe Springs Ca. 90670
30.	Lubricating Grease	Enco Andok-B	Humble Oil Co. Houston, Texas
31.	Solvent		CRC-2-26, Corrosion Reaction Consultants Limeklim Pike, Dresher, Pa.
32.	Laminated Glass Cloth	MIL-F-9084	Trevano, Coast Manufactur- ing and Supply Inc., Box 71, Livermore, California
			Uniglass, United Merchants and Manufacturing Inc. 1407 Broadway, New York, New York 10018
33.	Resin	MIL-R-7575	Laminac 4116, American Cyanamid Co., Wallingford, Connecticut
			Glidpol 1001, The Glidden Company, 925 Euclid Ave. Cleveland, Ohio

CONSUMABLE MATERIALS CHART 207 (Cont'd)

ITEM	MATERIAL	SPECIFICATIONS	VENDOR PRODUCTS
34.	Lubricating Grease	Aeroshell 7A	Shell Oil Co., 50 West 50th Street, New York, N. Y.
35.	Urethane Primer		U. S. Paint Lacquer and Chemical Co., 1501 N. Belmont, P. O. Box 8151, Wichita, Kansas 67208
			Ameron Industrial Coatings Division P.O. Box 2153, Wichita, Kansas
36.	Thread Locking Compound	Loctite Sealant, Grade A	Loctite Corp. 705 N. Mountain Road Newington, Conn. 06111
37.	Penetrating Oil	Mouse Milk	Worldwide Aircraft Filters Corp., 1685 Abram Ct. San Leandro Calif. 94577
		Kano Kroil	Kano Laboratories Inc. Nashville, Tennessee
38.	Lubricating Grease	Aeroshell Grease 5,	Aeroshell Grease 5, Shell Oil Co., 50 West 50th Street, New York, N. Y.
39.	Cement	EC2262	Minnesota Mining and Manufacturing Company St. Paul, Minneosta
40.	Primer	Locquic "N"	Loctite Corp. 705 N. Mountain Road Newington, Conn. 06111
41.	Cleaner	Turco Metal-glo No. 3	Turco Products, Inc., Los Angeles, Calif.
42.	Paint Stripper	Turco 4260	Turco Products Inc. Los Angeles, California

ITEM	MATERIAL	SPECIFICATIONS	VENDOR PRODUCTS
43.	Corrosion Preventive Compound	MIL-C-16173 Grade 2	Braycote 137, Bray Oil Co. 1925 N. Marianna Avenue Los Angeles, California 90032
			Petrotech 1-4 Penreco, P.O. Box 671, Butler, Pa. 16001
44.	Lubricating Grease	MIL-G-7118	
45.	Primer, Degreasing	EC3911	Minnesota Mining and Manufacturing Co., St. Paul, Minnesota
46.	Lubricating Silicone	G-322L	General Electric Waterford, New York 12188
47.	Anti-Seize Compound	Loctite 76764 Paste Form 1 lb Bursh Top Can	Loctite Corp. 705 N. Mountain Road Newington, Conn. 06111
48.	Coating	Alodine 1200, 1200S or 1201	Amchem Products Inc. Spring Garden Street Ambler, Pennsylvania 19002

CHART 208

THREAD LUBRICANTS

The vendor products appearing in this chart have been selected at random to help field personnel determine products conforming to the specifications listed in this publication. The brand names are listed for ready reference and are not specifically recommended by Beech Aircraft Corporation. Any product which conforms to the referenced specification may be used.

SYSTEM	MATERIAL	SPECIFICATION	VENDOR PRODUCTS
Fuel	Petrolatum	VV-P-236	
Oil, Manifold Pres- sure, Air Pressure	Lubricating Grease (Gasoline and Oil Resistant)	MIL-G-6032	L-237, Lehigh Chemical Co. Chestertown, Maryland
			Rockwell 950, Rockwell Mfg. Pittsburgh 8, Pa.
			Royco 32, Royal Lubricants Co. Hanover, New Jersey
Deicer, Static, Pitot	Anti-Seize, White Lead Base	TT-A-580	Armite Product Armite Laboratories, Los Angeles, California
Autopilot (Pipe Threads Only)	Anti-Seize, White Lead Base	JAN-A-669	
Brakes	Hydraulic Fluid or Anti- Seize, White Lead Base	MIL-H-5606 or TT-A-580	
Air Conditioner	Anti-Seize, Graphite Petrolatum or Anti- Seize, White Lead Base	MIL-T-5544 or TT-A-580	
Oxygen, High Pressure Side	Tape, Tetrafluroethylene	MIL-T-27730	Permacel Tape Corp., New Bruns- wick, New Jersey
Turbocharger Inlet Probe	Anti-Seize Compound	MIL-A-907D	Anti-Seize Compound C5A, Fel-Pro Inc. 7450 McCormick Skokie, Illinois

CHART 209

APPROVED ENGINE OILS (ASHLESS DISPERSANT)

SPECIFICATION

PRODUCT

*VENDOR

MIL-L-22851

Global Concentrate A

Delta Petroleum Company, Inc.

P.O. Box 10397

New Orleans, La. 70121

Paranox 160 and 165

Enjay Chemical Company 60 West 49th Street New York, N.Y. 10020

RT-451, RM-173E,

RM-180E

Mobil Oil Corporation 150 East 42nd Street New York, N.Y. 10017

Shell Concentrate A Code 60068 Aeroshell W120 Aeroshell W80

Shell Oil Company One Shell Plaza

Houston, Texas 77002

TX-6309

Aircraft Engine Oil Premium AD120 Aircraft Engine Oil Premium AD80

Texaco Inc.

135 East 42nd Street New York, N.Y. 10017

PO Aviation Lubricant 753 American Oil and Supply Co.

238 Wilson Avenue Newark, N.J. 07105

Chevron Aero Oil Grade 120

Chevron Oil Co. 1200 State Street

Perth Amboy, N.J. 08861

Esso Aviation Oil E-120 Enco Aviation Oil E-120 Esso Aviation Oil A-100 Enco Aviation Oil A-100 Esso Aviation Oil E-80 Enco Aviation Oil E-80

Humble Oil and Refining Co.

P.O. Box 2180 Houston, Texas

Chevron Aero Oil Grade 120

Standard Oil Co. of Calif.

225 Bush Street

San Francisco, Calif. 94120

"END"

^{*}The vendor products appearing in this chart have been selected at random to help field personnel determine products conforming to to the specifications in this publication. The brand names are listed for ready reference and are not specifically recommended by Beech Aircraft Corporation. Any product which conforms to the referenced specification may be used.



