



September 12, 1986

S/M

VENDOR SERVICE PUBLICATION

TO: All Owners/Operators, Piper Distributors, Factory Direct Dealers and Piper Field Service Facilities

SUBJECT: Bendix Service Bulletin No. 629

MODELS AFFECTED:

PA-23-250 Aztec
 PA-24-260 Comanche
 PA-28-201T Turbo Dakota
 PA-28R-201T Turbo Arrow III
 PA-28RT-201T Turbo Arrow IV

 PA-31-310/325 Navajo
 PA-31-350 Navajo Chieftain
 PA-31P Pressurized Navajo
 PA-31-350 T-1020
 PA-31P-350 Mojave
 PA-32RT-300T Turbo Lance II
 PA-32-301T Turbo Saratoga
 PA-32R-301T Turbo Saratoga S.P.
 PA-34-200T Seneca II
 PA-34-220T Seneca III
 PA-60-601 Aerostar 601
 PA-60-601P Aerostar 601P
 PA-60-602P Aerostar 602P

 PA-60-700P Aerostar 700P

SERIAL NUMBERS AFFECTED:

27-01 through 27-8154030
 24-3642 through 24-6000
 28-7921001 through 28-7921091
 28R-7703001 through 28R-7803372
 28R-7931001 through 28R-8631001,
 and 28R-8631005
 31-05 through 31-8312019
 31-5001 through 31-8452021
 31P-03 through 31P-7730012
 31-8253001 through 31-8553002
 31-8414001 through 31-8414050
 32-7887001 through 32-7987126
 32-8024001 through 32-8424002
 32-8029001 through 32-8629005
 34-7570001 through 34-8170092
 34-8133001 through 34-8633021
 61-0001-004 through 61-0880-8162157
 61P-0157-001 through 61P-0860-8163455
 62P-0750-8165001 through 62P-0861-8165002
 through 62P-0932-8165055 and
 60-8265001 through 60-8365021
 60-8423001 through 60-8423025

PURPOSE: To distribute Bendix Service Bulletin No. 629 to all Owners/Operators, Piper Distributors, Factory Direct Dealers and Piper Field Service Facilities.

The attached Bendix Service Bulletin may affect Bendix equipment installed in the above listed Piper Airplanes. Refer to the attached publication for specific information regarding compliance.

SERVICE BULLETIN

ENGINEERING ASPECTS ARE FAA APPROVED

JP00363

SUBJECT:

Inspection and replacement of certain Bendix Aircraft Magneto Brown Distributor Blocks as used on turbocharged six (6) cylinder engines.

BLOCK PART NO.	CYLINDERS	MAGNETO USED IN
10-357426	6	S-20/200
10-391586	6	S-1200
10-682056 (Block with Bearing, P/N 10-682046 molded in block)	6	D-2000/3000

REASON FOR BULLETIN:

To remove from service distributor blocks that may contain outlet tower cracks. See Figures 1 through 3.

EQUIPMENT AFFECTED:

1. All six (6) cylinder S-20, S-200, S-1200, D-2000 and D-3000 series magnetos used on turbocharged engines having installed brown distributor blocks identified with the part numbers listed in "SUBJECT" above unless the magneto serial number is 86100025 or higher, or the magneto data plate has been stamped with a "T" following the serial number.

Note A: All blocks are identified with a code. The codes are molded into the outer periphery of the block and only blocks with listed codes are affected. See Figures 1 through 3.

Note B: Black or green distributor blocks are not affected.

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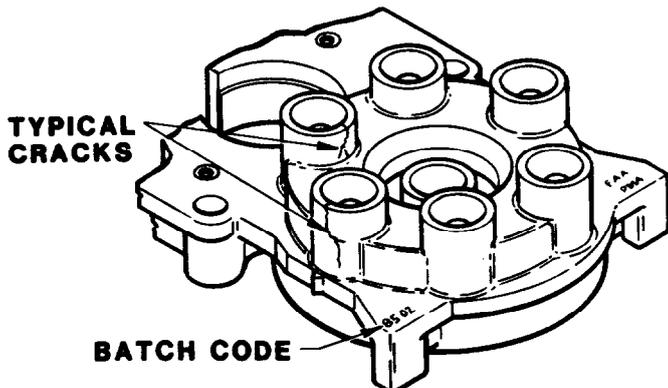


Figure 1
D-2000/D-3000 Series
Batch Codes 0000 through 8552

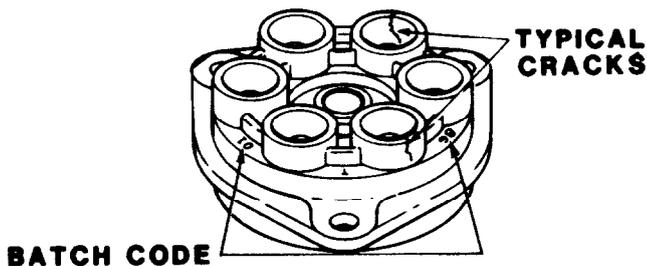


Figure 2
S-20/S-200 Series
Batch Codes 0000 through 8601

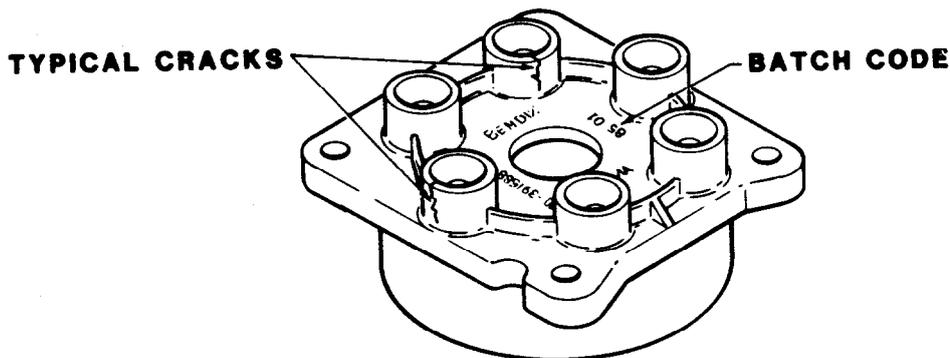


Figure 3
S-1200 Series
Batch Codes 0000 through 8601

Note:

The above batch codes are not date codes but are molding batch codes.

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MAINTENANCE SPARE PARTS AFFECTED:

None

COMPLIANCE:

All affected equipment must be inspected in accordance with this bulletin within the next 25 hours of operation and at regularly scheduled maintenance events not to exceed 100 hour intervals thereafter until suspect blocks are replaced with those having batch codes not listed as affected.

GENERAL INFORMATION:

Field reports indicate some brown distributor block towers may crack (ref. Figures 1 through 3). Should the tower or towers crack the indications could be loss of ignition to the associated spark plug(s) or possible misfiring and/or cross firing of the engine.

DETAILED INSTRUCTIONS:

1. Following published procedures, remove the harness cover or adapter plate from the Magneto. Using a high intensity light, inspect each distributor block tower for open cracks as shown in Figures 1 through 3.

CAUTION: BEFORE FURTHER FLIGHT, BLOCKS FOUND WITH CRACKS MUST BE REPLACED BY BLOCKS WITH BATCH CODES NOT LISTED AS AFFECTED UNDER THE "EQUIPMENT AFFECTED" SECTION OF THIS BULLETIN. FOLLOW PUBLISHED PROCEDURES.

NOTE: Blocks with no visible cracks are acceptable and may be kept in service. Repetitive inspections at regularly scheduled engine maintenance events not to exceed 100 hour intervals must be accomplished until suspect blocks are replaced.

2. Reinstall the Magneto (if removed) and harness cover or adapter plate following published procedures. Make appropriate engine log book entry indicating compliance with this bulletin and record the magneto serial number and block batch code number.

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IDENTIFICATION:

1. If the distributor block is found with cracks and/or a suspect block is replaced with one having a batch code not listed as affected, metal stamp a "T" immediately following the serial number on the magneto data plate. Make the appropriate engine log book entry indicating compliance with this bulletin by block replacement. Record the magneto serial number and both removed and replacement distributor block batch code numbers.

WARRANTY CONSIDERATION:

All affected Magnetos will be covered by warranty for a first time inspection or replacement of the block. One (1) hour labor per engine will be honored for inspection and 1.5 hours will be honored should the block be replaced. Compensation for inspection or replacement will be made in accordance with established warranty policy upon submittal of a warranty claim, submitted no later than January 1, 1987. All claims must be completely and accurately filled out and submitted through any authorized Bendix Engine Products Division Distributor. All blocks rejected per inspection requirements of this Bulletin must be returned to a Bendix authorized distributor for our inspection. Any block returned for replacement which is found not to be defective will not qualify for replacement under warranty.

SPECIAL TOOLS REQUIRED:

Refer to applicable published manuals.

WEIGHT AND BALANCE:

None