



CLASS I

# SERVICE INSTRUCTIONS

19,23

No. 0307-282

SUBJECT: FUEL SYSTEM (ENGINE SECTION), DRAINING AND FLUSHING OF MARVEL-SCHIEBLER CARBURETORS

AIRCRAFT AFFECTED: All BEECHCRAFT Musketeer Sport Model 19A, serials MB-400 through MB-460 equipped with Marvel-Schebler carburetor model MA4-SPA, P/N 10-3678-32, serials A-25-14781 through A-26-16246; BEECHCRAFT Musketeer Custom Model B23, serials M-1095 through M-1284 except M-1217, M-1220, M-1222, M-1223, M-1256 through M-1259, M-1261, M-1262, M-1267, M-1268, M-1269, M-1273, M-1274 and M-1281 equipped with Marvel-Schebler carburetor model HA-6, P/N 10-5045, serials BW-0-198 through BW-4-550.

REASON FOR COMPLIANCE: To remove any contaminants from the carburetor bowl and comply with Marvel-Schebler Bulletin No. A1-69.

ACCOMPLISHMENT: As soon as possible after receiving these service instructions, but within the next 25 hours of flight time.

DESCRIPTION: On the above noted aircraft, the Marvel-Schebler carburetors should be drained and flushed, as instructed in the attached Marvel-Schebler Bulletin No. A1-69, to remove any contaminants from the carburetor bowl.

After complying with these service instructions, enter an appropriate statement in the engine log book and return the attached compliance card to Beech Aircraft Corporation.

### NOTE

The carburetor serial number must be entered in the engine log book and on the compliance card along with the aircraft model and serial number.

### COMPLIANCE CARD RETURN REQUIRED

None

1169

Beech Aircraft Corporation issues service information for the benefit of owners and fixed base operators in the form of three classes of Service Instructions. CLASS I (Red Border) are changes, inspections, and modifications that could affect safety. The factory considers compliance mandatory. CLASS II (Green Border) covers changes, modifications, improvements or inspections the factory feels will benefit the owner and although highly recommended, they are not considered mandatory compliance, unless specified at the time of issuance. Class I and II are mailed to:

- (a) BEECHCRAFT Aero or Aviation Centers and International Distributors and Dealers
- (b) Owners of record on the FAA Registration list and the

BEECHCRAFT International Owner Notification Service List  
(c) Those having a publications subscription

CLASS III (No Border) covers changes which are optional, maintenance aids, product improvement kits and miscellaneous service information. Compliance is at the owner or operator's prerogative. Copies of Class III are distributed per a and c above. Information on Owner Notification Service or Subscriptions can be obtained through any BEECHCRAFT Aero or Aviation Center, International Distributor and Dealer, or the Factory. As Service Instructions are issued, temporary notation in the index should be made until the index is revised. Warranty will be allowed only when specifically defined in the Service Instructions and in accordance with Beech Warranty Policy.

98-34239D



Member of GAMA  
General Aviation  
Manufacturers Association

CLASS I

# SERVICE BULLETIN

A1-69

November 17, 1969

TO: ALL OUTLETS

SUBJECT: REQUIRED INSPECTION OF THE DRAIN PLUGS FOR EXCESSIVE THREAD LUBRICANT

CARBURETORS AFFECTED: ALL MODELS AS LISTED ON ATTACHED LIST  
ALSO REFER TO THE SERVICE INSTRUCTIONS ISSUED BY THE  
AIRFRAME AND ENGINE MANUFACTURERS ON THIS SAME SUBJECT.

COMPLIANCE TIME: WITHIN THE NEXT 25 FLIGHT HOURS, BUT NO LATER THAN 90 DAYS  
FOR CARBURETORS ON AIRCRAFT.

### PROCEDURE FOR CARBURETOR ON AIRCRAFT

IT IS NECESSARY TO REMOVE THE DRAIN PLUGS FROM SUBJECT CARBURETORS AND FLUSH THE CARBURETOR OUT WITH THE FUEL SUPPLY ON, IN ORDER TO REMOVE ANY FOREIGN MATERIAL. WHEN PRACTICAL, PLACE AIRCRAFT IN AN ATTITUDE TO IMPROVE DRAINING TOWARD BOWL OUTLET. FLUSH FOR 20 TO 30 SECONDS. AFTER FLUSHING, CAREFULLY INSPECT THE DRAIN PLUG CAVITY AND REMOVE ANY CONTAMINATION WHICH MAY REMAIN AND THEN REFLUSH WITH THE FUEL ON TO ASSURE THAT ANY DISLODGED CONTAMINATE IS REMOVED.

CAUTION: TAKE ALL NECESSARY PRECAUTION WHEN FLUSHING WITH GASOLINE

CLEAN THE DRAIN PLUG AND REINSTALL ONE THREAD INTO IT'S CAVITY. THEN, APPLY PARKER SEALUBE, OR EQUIVALENT, THREAD LUBRICANT AND TIGHTEN IN PLACE. RECOMMENDED TORQUE:

1/8" PIPE PLUGS 50 - 60 IN. LBS.

1/4" PIPE PLUGS 120 - 144 IN. LBS.

STAMP NAMEPLATE WITH "A1" TO INDICATE COMPLIANCE WITH THIS BULLETIN. NOTE: CERTAIN APPLICATIONS ARE IMPOSSIBLE TO STAMP THE NAMEPLATE WHILE ON THE AIRCRAFT; THEREFORE, APPLY A DOT OF YELLOW ENAMEL NEAR THE NAMEPLATE TO INDICATE COMPLIANCE. RECORD CARBURETOR SERIAL NUMBER AND COMPLIANCE IN LOGBOOK.

### PROCEDURE FOR DETACHED UNITS

SERVICE ALL SUBJECT DETACHED UNITS IN THE SHOP AND BOXED SERVICE CARBURETORS IN THE STOREROOM BY REMOVAL AND CLEANING OF DRAIN PLUG. NOTE: DRAIN PLUG OPENING SHOULD BE DOWNWARD DURING LOOSENING AND REMOVAL OF DRAIN PLUG AND WHILE CLEANING PLUG CAVITY. EXAMINE DRAIN PLUG CAVITY, WIPE OUT ANY RESIDUE AND REINSTALL DRAIN PLUG AS ABOVE. STAMP NAMEPLATE WITH "A1" TO INDICATE COMPLIANCE WITH THIS BULLETIN.

FAA APPROVED

MARVEL-SCHEBLER DIVISION  
BORG-WARNER CORPORATION



NOTE: Use only the letter and last series of digits of the serial number - the center number is a Marvel-Schebler internal control number.

PART NO. A10-4654  
Serial No. BN-3-112  
thru  
BN-3-125

PART NO. A10-4809  
Serial No. BA-14-203  
thru  
BA-14-207

PART NO. A10-4865  
Serial No. BC-14-530  
(16)  
thru  
BC-14-574  
BC-14-584  
BC-14-593  
thru  
BC-14-596  
BC-14-604  
thru  
BC-14-606  
BC-14-612  
BC-14-614  
BC-14-617  
BC-14-626  
BC-14-629  
BC-14-638  
BC-14-644  
BC-14-646  
BC-14-647  
BC-14-653  
BC-14-654  
BC-14-673  
BC-14-676  
BC-14-681  
BC-14-688  
thru  
BC-14-691  
BC-14-694  
BC-14-696  
BC-14-697  
BC-14-700  
BC-14-704

PART NO. A10-3965-12  
Serial No. H-3-6894  
thru  
H-3-6896

PART NO. A10-4115-1  
Serial No. AV-4-4094

PART NO. A10-4233  
Serial No. P-22-460  
thru  
P-22-464

PART NO. A10-4240  
Serial No. AU-15-235  
thru  
AU-15-244

PART NO. A10-4252  
Serial No. Q-23-2422  
thru  
Q-23-2433  
Q-23-2435  
Q-23-2436

PART NO. A10-4893  
Serial No. BD-13-3946  
(15)  
thru  
BD-13-3974  
BD-13-3976  
thru  
BD-13-4042  
BD-13-4044  
thru  
BD-13-4056

PART NO. A10-4893 (Cont'd)  
Serial No. BD-13-4058  
thru  
BD-13-4084  
BD-13-4087  
thru  
BD-13-4093  
BD-13-4095  
thru  
BD-13-4111  
BD-13-4113  
thru  
BD-13-4129  
BD-13-4131  
thru  
BD-13-4143  
BD-13-4145  
thru  
BD-13-4147  
BD-13-4149  
thru  
BD-13-4153  
BD-13-4155  
thru  
BD-13-4162  
BD-13-4164  
BD-13-4165  
BD-13-4167  
BD-13-4169  
thru  
BD-13-4178  
BD-13-4180  
thru  
BD-13-4195  
BD-13-4197  
thru  
BD-13-4200  
BD-13-4202  
BD-13-4203  
BD-13-4205  
thru  
BD-13-4213  
BD-13-4215  
thru  
BD-13-4217  
BD-13-4219  
thru  
BD-13-4222  
BD-13-4226  
BD-13-4227

PART NO. A10-4893 (Cont'd)

Serial No. BD-13-4229  
thru  
BD-13-4231  
BD-13-4235  
BD-13-4237  
BD-13-4239  
thru  
BD-13-4245  
BD-13-4250  
BD-13-4256  
BD-13-4262  
BD-13-4265  
thru  
BD-13-4270  
BD-13-4272  
thru  
BD-13-4275  
BD-13-4278  
BD-13-4280  
BD-13-4281  
BD-13-4288  
BD-13-4290  
thru  
BD-13-4292  
BD-13-4296  
BD-13-4298  
BD-13-4301  
BD-13-4318  
BD-13-4324  
BD-13-4326  
BD-13-4329  
BD-13-4337  
BD-13-4339  
thru  
BD-13-4344  
BD-13-4346  
BD-13-4349  
BD-13-4350  
BD-13-4353  
BD-13-4354  
BD-13-4356  
BD-13-4366  
BD-13-4367  
BD-13-4369  
thru  
BD-13-4390  
BD-13-4392  
thru  
BD-13-4396

PART NO. A10-4893 (Cont'd)

Serial No. BD-13-4399  
BD-13-4400  
BD-13-4402  
BD-13-4404  
thru  
BD-13-4410  
BD-13-4412  
thru  
BD-13-4414  
BD-13-4416  
BD-13-4417  
BD-13-4422  
thru  
BD-13-4424  
BD-13-4427  
BD-13-4431  
thru  
BD-13-4435  
BD-13-4437  
BD-13-4443  
BD-13-4453  
BD-13-4456  
BD-13-4459  
BD-13-4461  
BD-13-4463  
thru  
BD-13-4466  
BD-13-4469  
BD-13-4470  
BD-13-4473  
BD-13-4476  
thru  
BD-13-4478  
BD-13-4480  
BD-13-4482  
BD-13-4484  
thru  
BD-13-4486  
BD-13-4497  
thru  
BD-13-4500  
BD-13-4502  
BD-13-4504  
thru  
BD-13-4506  
BD-13-4508  
BD-13-4510  
thru  
BD-13-4512

PART NO. A10-4893 (Cont'd)

Serial No. BD-13-4514  
BD-13-4515  
BD-13-4517  
thru  
BD-13-4519  
BD-13-4521  
thru  
BD-13-4523  
BD-13-4525  
thru  
BD-13-4528  
BD-13-4530  
BD-13-4531  
BD-13-4534  
BD-13-4535  
BD-13-4538  
thru  
BD-13-4544  
BD-13-4546  
BD-13-4547  
BD-13-4549  
thru  
BD-13-4552  
BD-13-4554  
thru  
BD-13-4557  
BD-13-4559  
BD-13-4561  
BD-13-4562  
BD-13-4564  
BD-13-4566  
BD-13-4567  
BD-13-4569  
thru  
BD-13-4575  
BD-13-4577  
thru  
BD-13-4579  
BD-13-4581  
thru  
BD-13-4585  
BD-13-4587  
BD-13-4588  
BD-13-4590  
thru  
BD-13-4598  
BD-13-4600  
BD-13-4601  
BD-13-4606



PART NO. A10-4893 (Cont'd)

Serial No. BD-13-4623  
BD-13-4626  
BD-13-4629  
BD-13-4631  
BD-13-4632  
BD-13-4637  
BD-13-4639  
BD-13-4644  
thru  
BD-13-4647  
BD-13-4653  
BD-13-4654  
BD-13-4657

PART NO. A10-4894

Serial No. BE-14-10218  
(15)  
thru  
BE-14-10262  
BE-14-10264  
BE-14-10265  
BE-14-10267  
BE-14-10269  
BE-14-10271  
thru  
BE-14-10273  
BE-14-10275  
BE-14-10276  
BE-14-10278  
BE-14-10279  
BE-14-10281  
BE-14-10282  
BE-14-10285  
thru  
BE-14-10288  
BE-14-10290  
BE-14-10292  
BE-14-10294  
BE-14-10297  
BE-14-10299  
BE-14-10300  
BE-14-10302  
BE-14-10303  
BE-14-10307  
BE-14-10308  
BE-14-10310  
thru  
BE-14-10320

PART NO. A10-4894 (Cont'd)

Serial No. BE-14-10322  
thru  
BE-14-10332  
BE-14-10334  
BE-14-10335  
BE-14-10337  
BE-14-10338  
BE-14-10340  
BE-14-10342  
thru  
BE-14-10344  
BE-14-10346  
BE-14-10348  
thru  
BE-14-10352  
BE-14-10354  
thru  
BE-14-10356  
BE-14-10358  
thru  
BE-14-10361  
BE-14-10363  
thru  
BE-14-10367  
BE-14-10369  
BE-14-10374  
BE-14-10377  
thru  
BE-14-10379  
BE-14-10381  
BE-14-10382  
BE-14-10390  
BE-14-10391  
BE-14-10393  
BE-14-10395  
thru  
BE-14-10408  
BE-14-10410  
thru  
BE-14-10412  
BE-14-10414  
thru  
BE-14-10469  
BE-14-10471  
thru  
BE-14-10486  
BE-14-10488  
thru  
BE-14-10491  
BE-14-10494  
thru  
BE-14-10498

PART NO. A10-4894 (Cont'd)

Serial No. BE-14-10501  
BE-14-10502  
BE-14-10504  
thru  
BE-14-10527  
BE-14-10530  
thru  
BE-14-10533  
BE-14-10537  
BE-14-10539  
BE-14-10544  
BE-14-10546  
BE-14-10549  
BE-14-10550  
BE-14-10552  
BE-14-10554  
BE-14-10557  
BE-14-10559  
BE-14-10561  
BE-14-10563  
BE-14-10565  
thru  
BE-14-10572  
BE-14-10574  
BE-14-10575  
BE-14-10579  
BE-14-10582  
thru  
BE-14-10585  
BE-14-10588  
thru  
BE-14-10592  
BE-14-10594  
BE-14-10595  
BE-14-10598  
thru  
BE-14-10600  
BE-14-10605  
thru  
BE-14-10610  
BE-14-10612  
thru  
BE-14-10614  
BE-14-10616  
BE-14-10618  
thru  
BE-14-10622  
BE-14-10624  
thru  
BE-14-10627  
BE-14-10629  
thru  
BE-14-10633





























