

ADVISORY WIRE

You.
First.

Reference No AW300-29-0251

INFORMATION TYPE: Maintenance

ATA: 29-12

EFFECTIVITY

Challenger: 300 – 20003 – 20500

Challenger: 350 – 20501 – 20999

SUBJECT: Recent failures of the Engine Driven Pump (EDP)

1. REFERENCES:

AMM Task 27-52-19-710-801 – Operational Test of the Flap Transmission Brake (FTB)

2. INTRODUCTION:

This Advisory Wire is issued due to a recent increase in the number of Engine Driven Pumps (EDP) being replaced following failed attempts to complete the FTB test.

3. DESCRIPTION:

Operators have reported that while attempting to carry out the FTB test a number of failures were experienced. This led to an investigation to ascertain the root cause. What has been noted is that some EDP's may be producing too much pressure which in turn has prevented the test from being successfully carried out. The maximum pressure limit for the FTB is set at 3103 psi Max. Beyond this limit the FTB test cannot be completed.

4. ACTION:

In the case where the FTB test fails and can be accomplished using the ground cart or DCMP the EDP will be considered suspect if the serial number is on the affected list. The EDP should be removed and returned.

Where the FTB can be accomplished using the EDP without issue no further action is required.

Affected serial numbers

| Part Number | Program | Serial # | Part Number | Program | Serial # | Part Number | Program | Serial # |
|-------------|---------|----------|-------------|---------|----------|-------------|---------|----------|
| 51160-05 | CL300 | K0270 | 51160-06 | CL300 | K0609 | 51160-06 | CL300 | K0167 |
| 51160-05 | CL300 | K0297 | 51160-06 | CL300 | K0355 | 51160-06 | CL300 | K0294 |
| 51160-05 | CL300 | K0718 | 51160-06 | CL300 | K0205 | 51160-06 | CL300 | K0400 |
| 51160-05 | CL300 | K0068 | 51160-06 | CL300 | K0356 | 51160-06 | CL300 | K0642 |
| 51160-05 | CL300 | K0033 | 51160-06 | CL300 | K0181 | 51160-06 | CL300 | K0484 |
| 51160-05 | CL300 | K0028 | 51160-06 | CL300 | K0239 | 51160-06 | CL300 | K0164 |
| 51160-05 | CL300 | K0463 | 51160-06 | CL300 | K0797 | 51160-06 | CL300 | K0799 |
| 51160-05 | CL300 | K0374 | 51160-06 | CL300 | K0271 | 51160-06 | CL300 | K0662 |
| 51160-05 | CL300 | K0384 | 51160-06 | CL300 | K0950 | 51160-06 | CL300 | K0709 |
| 51160-05 | CL300 | K0759 | 51160-06 | CL300 | K0242 | 51160-06 | CL300 | K0423 |
| 51160-05 | CL300 | K0760 | 51160-06 | CL300 | K0263 | 51160-06 | CL300 | K0134 |
| 51160-05 | CL300 | K0365 | 51160-06 | CL300 | K0261 | 51160-06 | CL300 | K0779 |
| 51160-05 | CL300 | K0331 | 51160-06 | CL300 | K0634 | 51160-06 | CL300 | K0780 |
| 51160-05 | CL300 | K0106 | 51160-06 | CL300 | K0177 | 51160-06 | CL300 | K0829 |
| 51160-05 | CL300 | K0721 | 51160-06 | CL300 | K0781 | 51160-06 | CL300 | K0564 |
| 51160-05 | CL300 | K0151 | 51160-06 | CL300 | K0408 | 51160-06 | CL300 | K0559 |
| 51160-05 | CL300 | K0245 | 51160-06 | CL300 | K0028 | 51160-06 | CL300 | K0701 |
| 51160-05 | CL300 | K0178 | 51160-06 | CL300 | K0187 | 51160-06 | CL300 | K0348 |
| 51160-05 | CL300 | K0745 | 51160-06 | CL300 | K0571 | 51160-06 | CL300 | K0345 |
| 51160-06 | CL300 | K0218 | 51160-06 | CL300 | K0582 | 51160-06 | CL300 | K0712 |
| 51160-06 | CL300 | K0353 | 51160-06 | CL300 | K0461 | 51160-06 | CL300 | K0769 |
| 51160-06 | CL300 | K0710 | 51160-06 | CL300 | K0259 | 51160-06 | CL300 | K0652 |
| 51160-06 | CL300 | K0150 | 51160-06 | CL300 | K0869 | 51160-06 | CL300 | K0641 |
| 51160-06 | CL300 | K0155 | 51160-06 | CL300 | K0901 | 51160-06 | CL300 | K0211 |
| 51160-06 | CL300 | K0716 | 51160-06 | CL300 | K0320 | 51160-06 | CL300 | K0371 |
| 51160-06 | CL300 | K0674 | 51160-06 | CL300 | K0650 | 51160-06 | CL300 | K0711 |
| 51160-06 | CL300 | K0354 | 51160-06 | CL300 | K0174 | 51160-06 | CL300 | K0895 |
| 51160-06 | CL300 | K0265 | 51160-06 | CL300 | K0173 | 51160-06 | CL300 | K0883 |
| 51160-06 | CL300 | K0027 | 51160-06 | CL300 | K0546 | 51160-06 | CL300 | K0358 |
| 51160-06 | CL300 | K0913 | 51160-06 | CL300 | K0568 | 51160-06 | CL300 | K0742 |
| 51160-06 | CL300 | K0111 | 51160-06 | CL300 | K0289 | 51160-06 | CL300 | K1037 |
| 51160-06 | CL300 | K0072 | 51160-06 | CL300 | K0438 | 51160-06 | CL300 | K0717 |
| 51160-06 | CL300 | K0269 | 51160-06 | CL300 | K0453 | 51160-06 | CL300 | K0746 |
| 51160-06 | CL300 | K0192 | 51160-06 | CL300 | K0980 | 51160-06 | CL300 | K0368 |
| 51160-06 | CL300 | K0633 | 51160-06 | CL300 | K0058 | 51160-06 | CL300 | K0495 |
| 51160-06 | CL300 | K0600 | 51160-06 | CL300 | K0039 | 51160-06 | CL300 | K0724 |
| 51160-06 | CL300 | K0056 | 51160-06 | CL300 | K0496 | 51160-06 | CL300 | K0027 |
| 51160-06 | CL300 | K0440 | 51160-06 | CL300 | K0346 | 51160-06 | CL300 | K0834 |