737NG – ATA 78
Possible Long Primary Exhaust Nozzle Departure Due to Fan Blade Failure

Issue/Background

- Two in-flight fan blade out events resulted in damage to the primary exhaust nozzle structures. Major nacelle structural components also departed the aircraft (inlet on both events, fan cowl on one event).
  - August 27, 2016, a Boeing 737-700 experienced a left engine failure while climbing to flight altitude.
  - April 17, 2018, a Boeing 737-700 experienced a left engine failure while climbing to flight altitude.
- Departure of long (pre-PIP) primary exhaust nozzle is possible in combination with a fan blade failure event.
- This issue only affects 737NG with long pre-PIP primary exhaust nozzles, **Part Numbers: 314A2610-1/-62/-68.**
- Figure 1 and Figure 2 depict the left engine primary nozzle exhaust damages due to fan blade failure from the 2016 event.

Figure 1

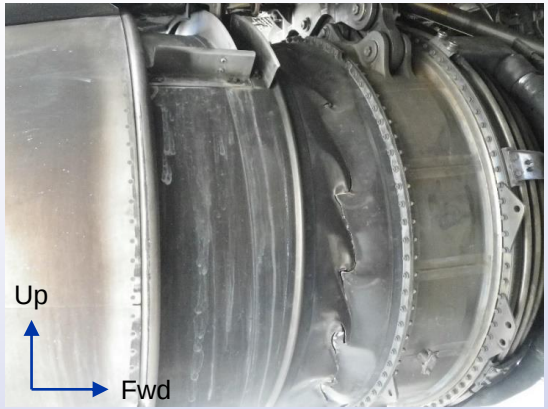

Figure 2