

Honeywell

LIGHT MAINTENANCE MANUAL

TFE731-2 (72-02-01)

D. Removal of Fan Blades (Fan Assembly Installed on Engine) (Subtask 72-70-03-020-006-A01)

CAUTION: DURING THE FOLLOWING BLADE REMOVAL PROCEDURE DO NOT USE ANY FORCE OTHER THAN HAND PRESSURE FOR REMOVING THE FAN BLADES. USE OF FORCE OTHER THAN HAND PRESSURE CAN RESULT IN DAMAGE TO FAN BLADE MIDSPAN DAMPERS, FAN DISC, AND SUBSEQUENT MIDSPAN DAMPER FAILURE.

- (1) [Pre SB TFE731-72-3643] Remove fan blades (fan assembly installed on engine).

NOTE: If blades become locked up during the blade removal process, work the blades back into the disc, using hand pressure only, until the blades are no longer locked up before continuing the blade removal process.

- (a) Remove fan spinner and spinner support. Refer to [REMOVAL \(PGBLK 72-70-01-3000\)](#).
 - (b) Mark blades and disc, using Verithin No. 753, silver pencil, Violet, No. 127 1/2, industrial marking ink, or Yellow No. 170T, China marker, to allow reinstallation at same relative position on disc.
 - (c) Using hand pressure only and working in a clockwise direction, pull on each blade, one at a time, to shift the blades out of the disc. Initially, each blade will move only a small amount. After several rotations blades will gradually move slightly more each time hand pressure is applied. Continue working one blade at a time until one blade can be removed.
 - (d) Remove the blade adapter.
 - (e) Working in a clockwise direction, remove the remaining blades and blade adapters one at a time until all blades and blade adapters have been removed.
- (2) [Post SB TFE731-72-3643] Remove fan blades (fan assembly installed on engine).
- (a) Remove fan spinner and spinner support. Refer to [REMOVAL \(PGBLK 72-70-01-3000\)](#).
 - (b) Mark blades and disc, using Verithin No. 753, silver pencil, Violet, No. 127 1/2, industrial marking ink, or Yellow No. 170T, China marker, to allow reinstallation at same relative position on disc.
 - (c) Using PN 5837184-1, retaining ring compression tool, compress fan blade retaining ring and tighten screw to lock tool in compressed position.
 - (d) Using hand pressure only and working in a clockwise direction, pull on each blade, one at a time, to shift the blades out of the disc. Initially, each blade will move only a small amount. After several rotations blades will gradually move slightly more each time hand pressure is applied. Continue working one blade at a time until one blade can be removed.
 - (e) Working in a clockwise direction, remove the remaining blades one at a time until all blades have been removed.
 - (f) Remove PN 5837184-1, retaining ring compression tool.
 - (g) Remove retainer ring from fan disc.
- (3) During the removal process, if the blades become locked up so tightly that excessive force (greater than hand pressure) must be used to unlock them, all blades must have the midspan dampers eddy current inspected before being returned to service. Refer to [INSPECTION/CHECK \(PGBLK 72-70-03-8000\)](#).

EFFECTIVITY
ALL

72-70-03

REMOVAL
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