

# MFGM-CHECKLIST

## TRIN / TB20 #B-KFM

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### PREFLIGHT

1 IGNITION \_\_\_\_\_ OFF 1  
 2 OUTSIDE CHECK ACC. AFM \_\_\_\_\_ COMPLETED 2  
 3 FUEL QUANTITY \_\_\_\_\_ VISUALLY CKD 3  
 4 OIL QUANTITY \_\_\_\_\_ CKD 4  
 5 STEERLOCK \_\_\_\_\_ REMOVED 5

### ENGINE START

1 PARKBRAKE \_\_\_\_\_ SET 1  
 2 GEAR HANDLE \_\_\_\_\_ DOWN 2  
 3 ALTERNATE AIR \_\_\_\_\_ CLOSED / IN 3  
 4 ALL SWITCHES \_\_\_\_\_ OFF 4  
 5 CIRCUIT BRAKERS \_\_\_\_\_ CKD / IN 5  
 6 MASTER SWITCH / ALTERNATOR \_\_\_\_\_ ON 6  
 7 NAV LTS \_\_\_\_\_ ON 7  
 8 FUEL QUANTITY \_\_\_\_\_ CKD 8  
 9 FUEL SELECTOR \_\_\_\_\_ FULLER TANK 9  
 10 PROPELLER \_\_\_\_\_ HIGH RPM 10

**COLD ENGINE:** THROTTLE \_\_\_\_\_ ¼ OPEN  
 FUEL PUMP \_\_\_\_\_ ON  
 MIXTURE \_\_\_\_\_ 3-5 SEC. RICH  
 MIXTURE \_\_\_\_\_ IDLE CUT OFF  
 FUEL PUMP \_\_\_\_\_ OFF

**HOT ENGINE:** THROTTLE \_\_\_\_\_ FULL OPEN  
 FUEL PUMP \_\_\_\_\_ ON  
 MIXTURE \_\_\_\_\_ 1 SEC. RICH  
 MIXTURE \_\_\_\_\_ IDLE CUT OFF  
 FUEL PUMP \_\_\_\_\_ OFF

1 PROPELLER AREA \_\_\_\_\_ CLEAR 1  
 2 IGNITION / STARTER \_\_\_\_\_ ENGAGE 2  
 3 MIXTURE \_\_\_\_\_ RICH 3  
 4 THROTTLE \_\_\_\_\_ SET 1000-1200 RPM 4  
 5 OIL PRESS \_\_\_\_\_ CKD 5

6 TURN & BANK COORDINATOR \_\_\_\_\_ ON 6  
 7 RADIO MASTER \_\_\_\_\_ ON 7  
 8 AUTOPILOT MASTER \_\_\_\_\_ ON 8  
 9 EADI (HORIZ) \_\_\_\_\_ ON 9  
 10 STORMSCOPE (STORM) \_\_\_\_\_ AS REQ 10

### BEFORE TAXI

1 SEAT BELTS \_\_\_\_\_ FASTENED 1  
 2 DOORS \_\_\_\_\_ CLOSED 2  
 3 FLIGHT CONTROLS \_\_\_\_\_ CKD / FREE 3  
 4 FLAPS \_\_\_\_\_ CKD / SET FOR T/O 4  
 5 TRIMS (2) \_\_\_\_\_ CKD / SET FOR T/O 5  
 6 AUTOPILOT \_\_\_\_\_ CKD 6  
 7 ANNUNCIATOR PANEL \_\_\_\_\_ TEST 7  
 8 GEAR LTS \_\_\_\_\_ CKD 8  
 9 MANUAL GEAR RELEASE \_\_\_\_\_ CKD IN 9  
 10 FUEL QUANTITY / SELECTOR \_\_\_\_\_ CKD 10  
 11 FUEL FLOW \_\_\_\_\_ CKD / SET 11  
 12 GYRO INSTRUMENTS \_\_\_\_\_ CKD / COMPARED 12  
 13 ALTIMETERS (2) \_\_\_\_\_ QNH SET 13  
 14 COM / NAV / GPS \_\_\_\_\_ ON / CKD / SET 14  
 15 TRANSPONDER \_\_\_\_\_ STBY 15  
 16 TAXI LT \_\_\_\_\_ ON 16  
 17 PARKBRAKE \_\_\_\_\_ RELEASED 17

### TAXI

1 BRAKES / STEERING \_\_\_\_\_ CKD 1  
 2 GYRO COMPASSES \_\_\_\_\_ CKD 2  
 3 TURN & BANK COORDINATOR \_\_\_\_\_ CKD 3

### RUN-UP

1 PARKBRAKE \_\_\_\_\_ SET 1  
 2 ENGINE INSTRUMENTS \_\_\_\_\_ CKD 2  
 3 THROTTLE \_\_\_\_\_ 2000 RPM 3  
 4 MAGNETOS \_\_\_\_\_ -DROP <175 RPM \_\_\_\_\_ CKD 4  
 \_\_\_\_\_ -DIFF <50 RPM \_\_\_\_\_ CKD 5  
 5 PROPELLER \_\_\_\_\_ 2X DOWN TO 1500 RPM CKD 6  
 6 MIXTURE \_\_\_\_\_ EGT CKD 7  
 7 OIL PRESS / VOLTS / SUCTION \_\_\_\_\_ CKD 8  
 8 THROTTLE \_\_\_\_\_ IDLE CKD / 1000 RPM 9

### BEFORE TAKEOFF

1 TRIMS / FLAPS \_\_\_\_\_ CKD 1  
 2 T/O BRIEFING \_\_\_\_\_ COMPL 2  
 3 FUEL PUMP \_\_\_\_\_ ON 3  
 4 FUEL FLOW \_\_\_\_\_ CKD 4  
 5 PARKBRAKE \_\_\_\_\_ RELEASE 5

### LINE-UP

1 LINE-UP APPROACH SECTOR / RWY \_\_\_\_\_ CLEAR 1  
 2 LANDING- / STROBE LTS \_\_\_\_\_ ON 2  
 3 PITOT HEAT \_\_\_\_\_ AS REQ 3  
 4 TRANSPONDER \_\_\_\_\_ AS REQ 4  
 5 RWY HDG \_\_\_\_\_ CKD 5  
 6 TIME \_\_\_\_\_ CKD 6

### CLIMB

1 GEAR \_\_\_\_\_ UP 1  
 2 FLAPS \_\_\_\_\_ UP 2  
 3 CLIMB POWER \_\_\_\_\_ SET 3  
 4 MIXTURE \_\_\_\_\_ AS REQ 4  
 5 LANDING- / TAXI LTS \_\_\_\_\_ AS REQ 5  
 6 FUEL PUMP \_\_\_\_\_ OFF 6  
 7 FUEL FLOW \_\_\_\_\_ CKD 7

### CRUISE

1 ENGINE INSTRUMENTS \_\_\_\_\_ CKD 1  
 2 CRUISE POWER \_\_\_\_\_ SET 2  
 3 MIXTURE \_\_\_\_\_ LEANED AS REQ 3  
 4 FUEL QUANTITY \_\_\_\_\_ CKD 4  
 5 ALTIMETERS (2) \_\_\_\_\_ QNH / QNE CKD 5

### APPROACH

1 APPROACH BRIEFING \_\_\_\_\_ COMPL 1  
 2 ALTIMETERS \_\_\_\_\_ QNH SET 2  
 3 LANDING- / TAXI LTS \_\_\_\_\_ ON 3  
 4 FUEL PUMP \_\_\_\_\_ ON 4  
 5 FUEL QUANTITY \_\_\_\_\_ CKD 5  
 6 FUEL SELECTOR \_\_\_\_\_ FULLER TANK 6  
 8 MIXTURE \_\_\_\_\_ RICH (EX. HIGH AIRPORT ELEV.) 8

### FINAL

1 GEAR \_\_\_\_\_ **DOWN / 3 GREENS CKD 1**  
 2 FLAPS \_\_\_\_\_ SET 2  
 3 PROPELLER \_\_\_\_\_ HIGH RPM 3  
 4 RWY \_\_\_\_\_ CLEAR / IDENTIFIED 4

### AFTER LANDING

1 TRANSPONDER \_\_\_\_\_ STBY 1  
 2 LANDING- / STROBE LTS \_\_\_\_\_ OFF 2  
 3 FUEL PUMP \_\_\_\_\_ OFF 3  
 4 PITOT HEAT \_\_\_\_\_ OFF 4  
 5 FLAPS \_\_\_\_\_ UP 5

### SHUT DOWN

1 PARKBRAKE \_\_\_\_\_ SET 1  
 2 TAXI LT \_\_\_\_\_ OFF 2  
 3 FLAPS \_\_\_\_\_ FULL DOWN 3  
 4 STORMSCOPE (STORM) \_\_\_\_\_ OFF 4  
 5 EADI (HORIZ) \_\_\_\_\_ OFF 5  
 6 AUTOPILOT MASTER \_\_\_\_\_ OFF 6  
 7 RADIO MASTER \_\_\_\_\_ (121.5 CKD) OFF 7  
 8 ALL ELECTR EQUIP \_\_\_\_\_ OFF (EX. NAV LTS) 8  
 9 MIXTURE \_\_\_\_\_ IDLE CUT OFF 9  
 10 IGNITION \_\_\_\_\_ OFF 10  
 11 NAV LTS \_\_\_\_\_ OFF 11  
 12 MASTER SWITCH / ALTERNATOR \_\_\_\_\_ OFF 12

### POSTFLIGHT

1 AIRPLANE \_\_\_\_\_ CLEANED 1  
 2 PAPERWORK \_\_\_\_\_ ALL COMPL 2

## MISCELLANEOUS

**Max. T/O Mass = 3086.47 LBS (1400 KG)**  
**Max. LDG Mass = 3086.47 LBS (1400 KG)**

V<sub>x</sub> ..... (Best Angle of Climb, Flaps up) **081 KIAS**  
 V<sub>y</sub> ..... (Best Rate of Climb, Flaps up) **095 KIAS**  
 V<sub>A</sub> ..... (Design Maneuvering Speed) \* **129 KIAS**  
 V<sub>NO</sub> ..... (Maximum Structural Cruising Speed) **150 KIAS**  
 V<sub>NE</sub> ..... (Never Exceed Speed) **187 KIAS**  
 V<sub>FO</sub> ..... (Maximum Flaps Operation Speed) **129 KIAS**  
 V<sub>FE</sub> ..... (Maximum Flaps Extended Speed) **103 KIAS**  
 V<sub>LO</sub> ..... (Maximum Landing Gear Operation Speed) **129 KIAS**  
 V<sub>LE</sub> ..... (Maximum Landing Gear Extended Speed) **139 KIAS**  
 V<sub>APP</sub> ..... (Approach Speed, Fullflaps) **075 KIAS**  
 V<sub>BEST GLIDE</sub> (Speed for best glide angle; Flaps up) **092 KIAS**

\*Design maneuvering speed decreases at lighter weights as the effect of aerodynamic forces become more pronounced (see AFM)!

**Demonstrated Crosswind component 25 KTS**  
**Fuel Capacity 86.12 USG (326 L)**