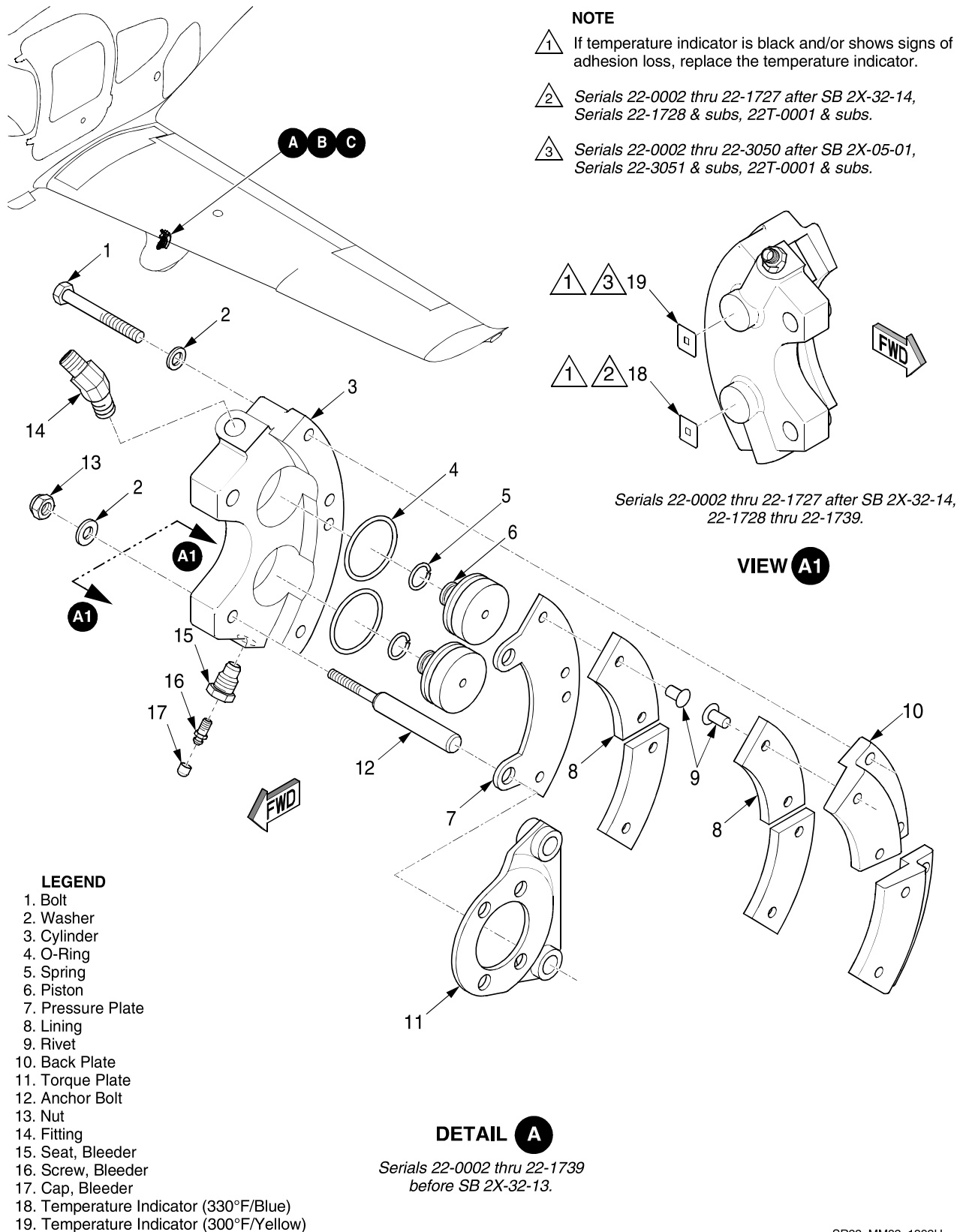




SR22_MM32_1392H

Figure 32-421
Brake Assembly - Serials 22-0002 - 22-1739 before SB2X-32-13 (1 of 3)

EFFECTIVITY:
Serials 22-0002 - 22-1739 before SB2X-32-13

- (f) Install pressure plate with new linings facing away from pistons by sliding over anchor bolts. Verify pressure plate slides freely over anchor bolts.
 - (g) Install brake assembly. ([Refer to 32-42](#))
- (3) Adjustment/Test - Conditioning Procedure for Brake Linings
- This conditioning procedure will generate sufficient heat to create a thin layer of glazed material at the lining friction surface. Normal brake usage should generate enough heat to maintain the glaze throughout the life of the lining. Light brake usage can cause the glaze to wear off, resulting in reduced brake performance. In such cases, the lining may be conditioned again following the instructions below.
- (a) *Serials 22-0002 thru 22-1739 before SB 2X-32-13:* For organic brake linings:
 - 1 Taxi airplane for 1500 feet with engine at 1700 RPM applying brake pedal force as needed to develop a 5-10 MPH taxi speed.
 - (b) *Serials 22-0002 thru 22-1739 after SB 2X-32-13, 22-1740 thru 22-4045, 22T-0001 thru 22T-0689:* For semi-metallic brake linings:
- CAUTION:** Do not allow the brake discs to cool substantially between the stops.
- 1 Perform two (2) consecutive full stop braking applications from 30 to 35 knots.
 - (c) Allow brakes to cool for 10-15 minutes.
 - (d) Apply brakes and check to see if a high throttle static run up may be held with normal pedal force. If so, conditioning is completed.
 - (e) If static run up cannot be held, repeat previous steps as needed to successfully complete test.
- (4) Inspection/Check - Brake Linings
- (a) Remove main gear fairing. ([Refer to 32-10](#))
 - (b) *Serials 22-0002 thru 22-1739 before SB 2X-32-13:* Check brake lining for deterioration and maximum permissible wear. Replace lining when worn to 0.100 inch (2.54 mm).
 - (c) *Serials 22-0002 thru 22-1739 after SB 2X-32-13, 22-1740 thru 22-4045, 22T-0001 thru 22T-0689:* Check brake lining for deterioration and maximum permissible wear. Replace lining when worn to 0.030 inch (0.76 mm).
 - (d) Install main gear fairing. ([Refer to 32-10](#))