

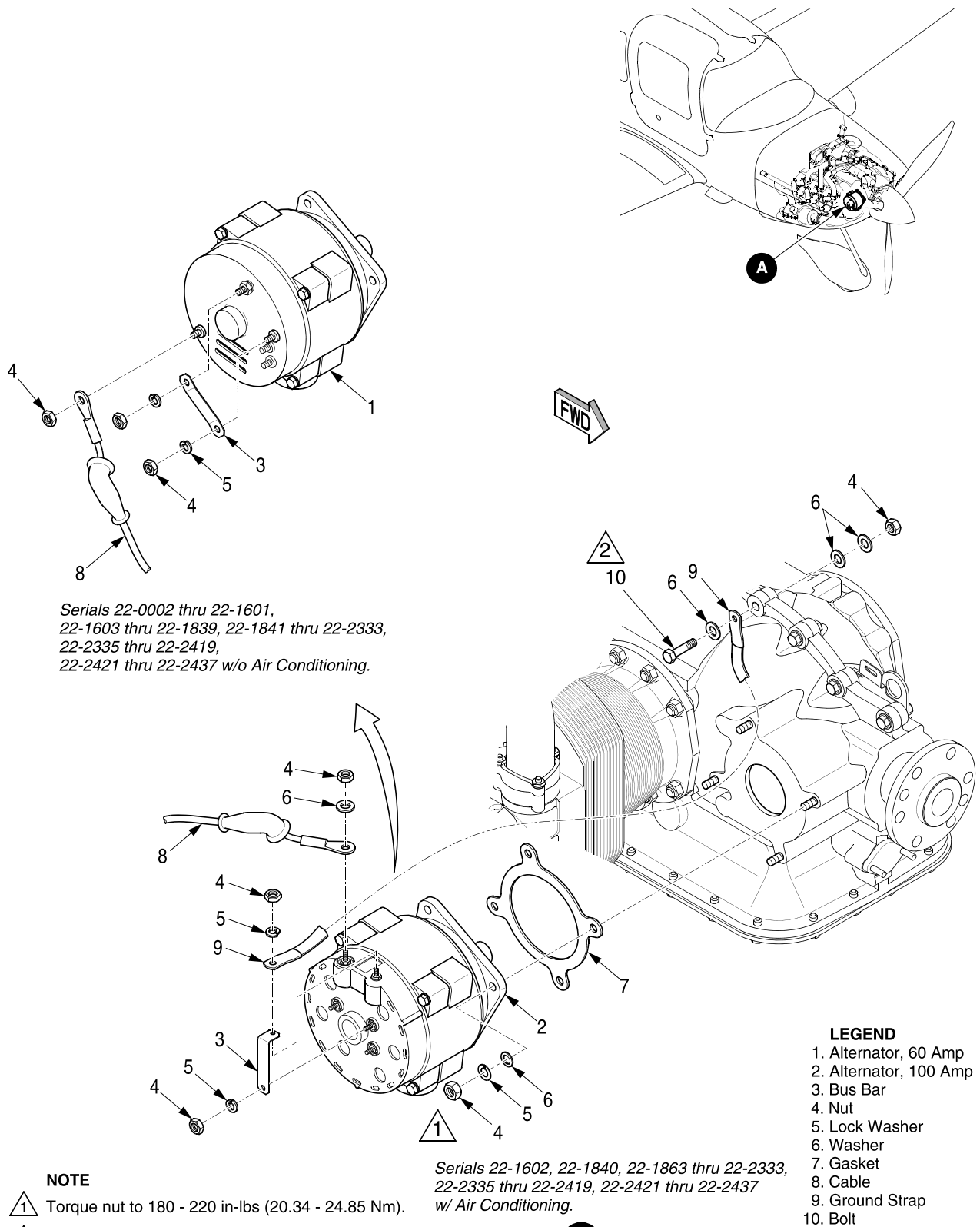
2. MAINTENANCE PRACTICES

A. Alternator 1 (See Figure 24-302)

- (1) Removal - Alternator 1
 - (a) Set BAT 1, BAT 2, and AVIONICS switches to OFF positions.
 - (b) Remove engine cowling. (Refer to 71-10)
 - (c) Disconnect battery 1. (Refer to 24-30)
 - (d) Disconnect cables and wires from alternator terminals.
 - (e) Remove nuts and washers securing alternator to engine. Remove alternator from airplane.
 - (f) Discard old gasket and remove residual gasket material from alternator and engine.
- (2) Disassembly - Alternator 1
 - (a) Refer to the manufacturer's approved Instructions For Continued Airworthiness for alternator inspection and maintenance.
- (3) Assembly - Alternator 1
 - (a) Refer to the manufacturer's approved Instructions For Continued Airworthiness for alternator inspection and maintenance.
- (4) Installation - Alternator 1
 - (a) Position alternator and new gasket to engine. Hand tighten washers and nuts in an alternating pattern securing alternator to engine.
 - (b) Torque nuts to 180 - 220 in-lb (20.3 - 24.8 Nm) in an alternating pattern.

CAUTION: *Serials 22-2438 & subs, 22T-0001 & subs:* Cable shielding could be installed to the Power and/or Field wire harness. If installed, attach cable shielding wire(s) to ground terminal on alternator. Do not install cable shielding wire(s) to AUX power terminal.

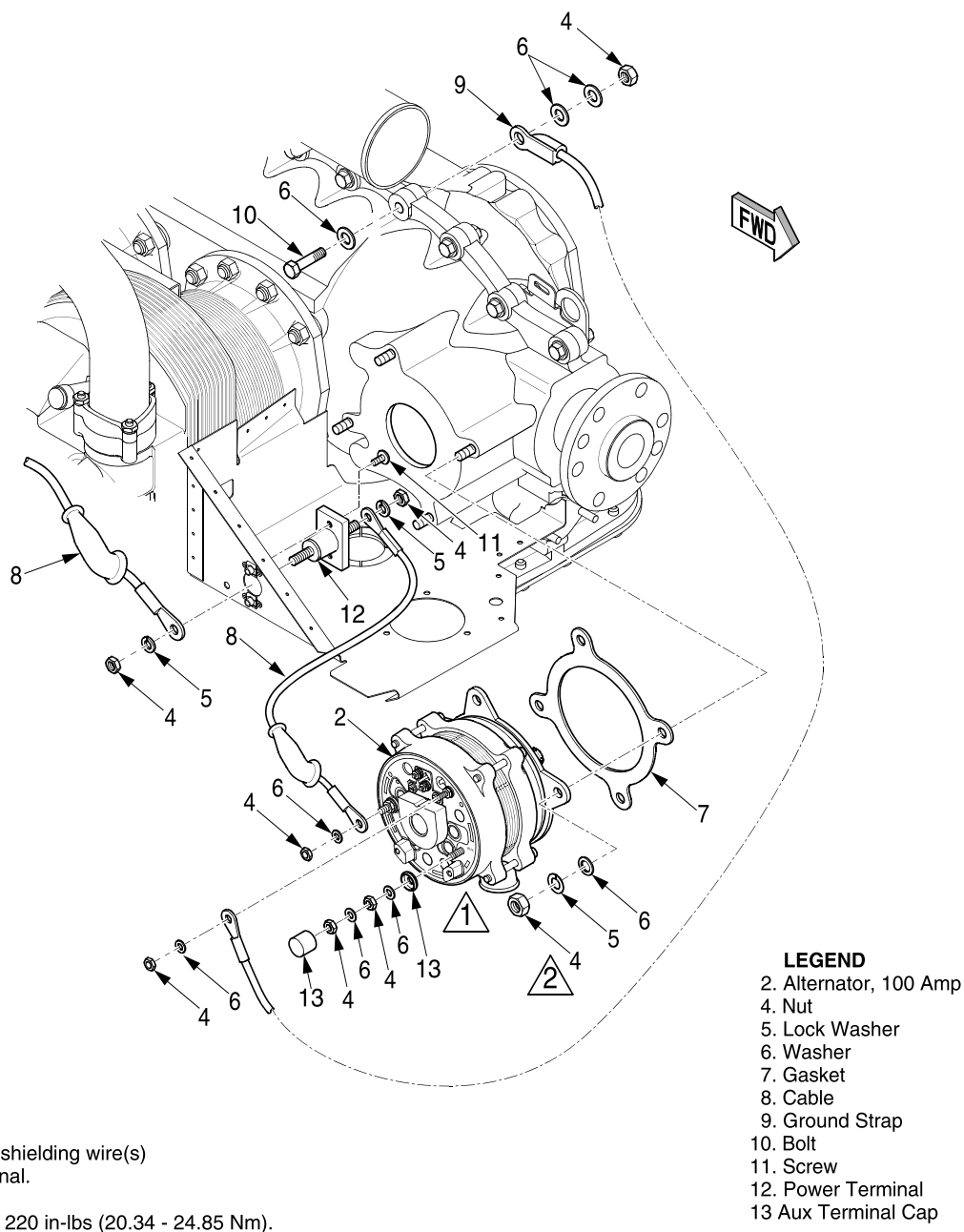
- (c) *Serials 22-2438 & subs, 22T-0001 & subs:* Install AUX terminal retainer and cap to AUX terminal.
- (d) Connect cables and wires to alternator terminals.
- (e) Connect battery 1. (Refer to 24-30)
- (f) Install engine cowling. (Refer to 71-10)



SR22_MM24_1431D

Figure 24-302
Alternator 1 Installation - Serials 22-0002 thru 22-2437 (Sheet 1 of 2)

EFFECTIVITY:
Serials 22-0002 thru 22-2437



DETAIL B

SR22_MM24_2936B

Figure 24-302
Alternator 1 Installation - Serials 22-2438 & subs, 22T-0001 & subs (Sheet 2 of 2)