Eclipse™ Drive Assembly

Component	See Page
Brackets	2
Clutch and Belt	3
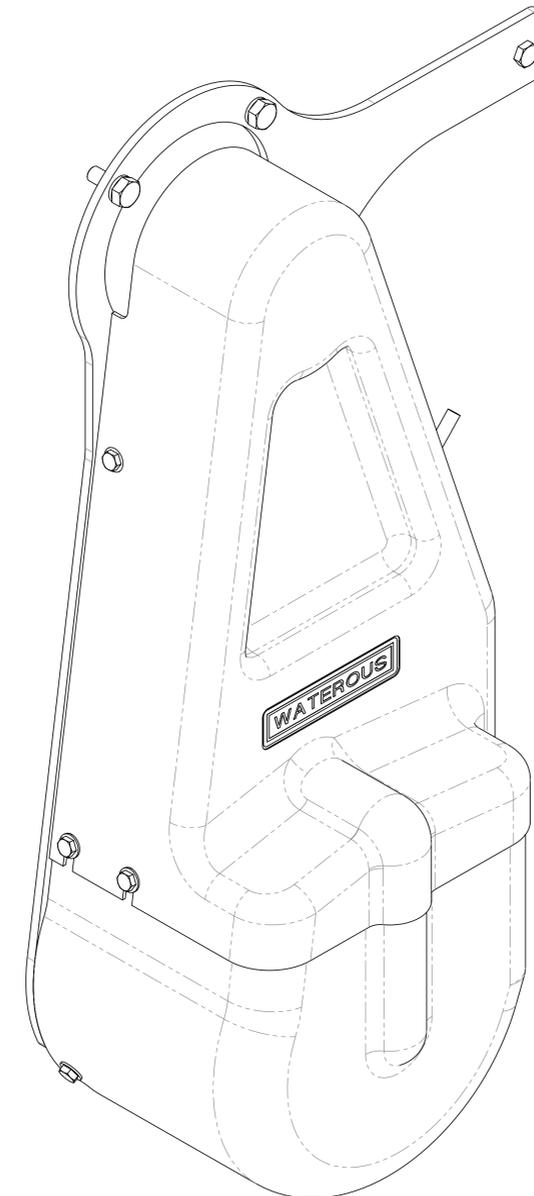
Ref No.	Description	Ref No.	Description
4	Plate-Compressor	25	Nut-Hex, 3/8-16
5	Block-Adjustment, Idler	59	Washer-Lock, 10 mm
10	Union-Bulkhead, 1/4 OD Tube	62	Bracket-Belt Guard, Upper
13	Washer-Lock, 7/16 in	63	Bracket-Belt Guard, Middle
15	Washer-Lock, 3/8 in	64	Bracket-Belt Guard, Lower
16	Screw-Hex Hd, 3/8-24 x 5-1/2 in	66	Screw-Hex Hd, 3/8-16 x 1 in
17	Washer-Plain, 3/8 in	69	Washer-Lock, 5/16 in
20	Screw-Hex Hd, 3/4-16 x 1-1/4 in	70	Nut-Hex, 5/16-18
21	Washer-Plain, 3/4 in	71	Screw-Hex Hd, M10-1.5 x 25 mm
22	Washer-Lock, 3/4 in	72	Tubing-Air Brake, 1/4 in, Black

Detail A

Detail B

30°   30°

Brackets

20

Clean threads and prime.
Apply Loctite #242/243 Blue
to threads at time of belt
adjustment.
Torque to 200-220 ft-lb

No. 20 Screw installed into this hole

See Detail A

See Detail B
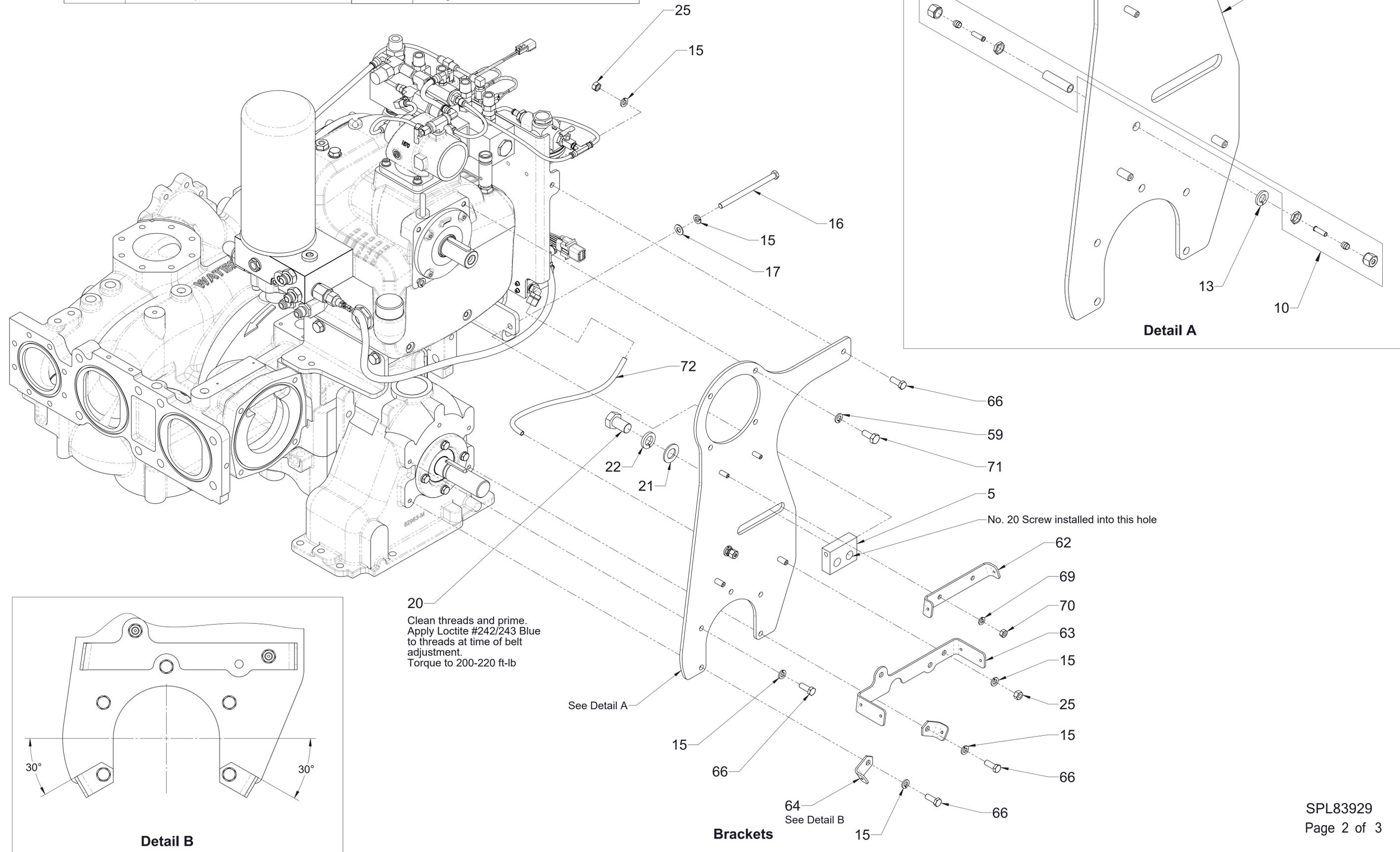
Ref No.	Description
1	Sprocket-Rotorcomp, EV06
3	Belt-Drive, 8MGT-1440-36
6	Idler-Sprocket, 36 mm
11	Tubing-Air Brake, 1/4 in, Black
12	Retainer-Sprocket
18	Screw-Hex Hd, M12-1.75 x 35 mm
19	Washer-Lock, 12 mm
33	Air Clutch Subassembly
61	Guard-Belt
65	Decal-Waterous
67	Screw-Hex Hd, 1/4-20 x 5/8 in
68	Washer-Plain, 1/4 in

Ref No.	Description
2	Sprocket-Drive
7	Clutch-Air
24	Washer-Lock, 8 mm
29	Elbow-Female, 1/4 Tube x 1/8 NPT, 90°
30	Nipple-Pipe, 1/8 NPT x 4-1/2 in
31	Screw-Set, Knurled Cup Point, Hex Soc, 3/8-24 x 3/8 in
32	Screw-Set, Knurled Cup Point, Hex Soc, 3/8-24 x 3/4 in
46	Screw-Hex Hd, M8-1.25 x 25 mm
48	Clutch Repair Kit
60	Clutch-Air, Rotating Region Union Repair Kit

Air Clutch
Repair Kit — 48

29

30

46

24

2

7

31*

32*

32*

60

*Apply Loctite #242/243 Blue to threads.
Torque to 140 ft-lb

Detail B

33

1

12

19
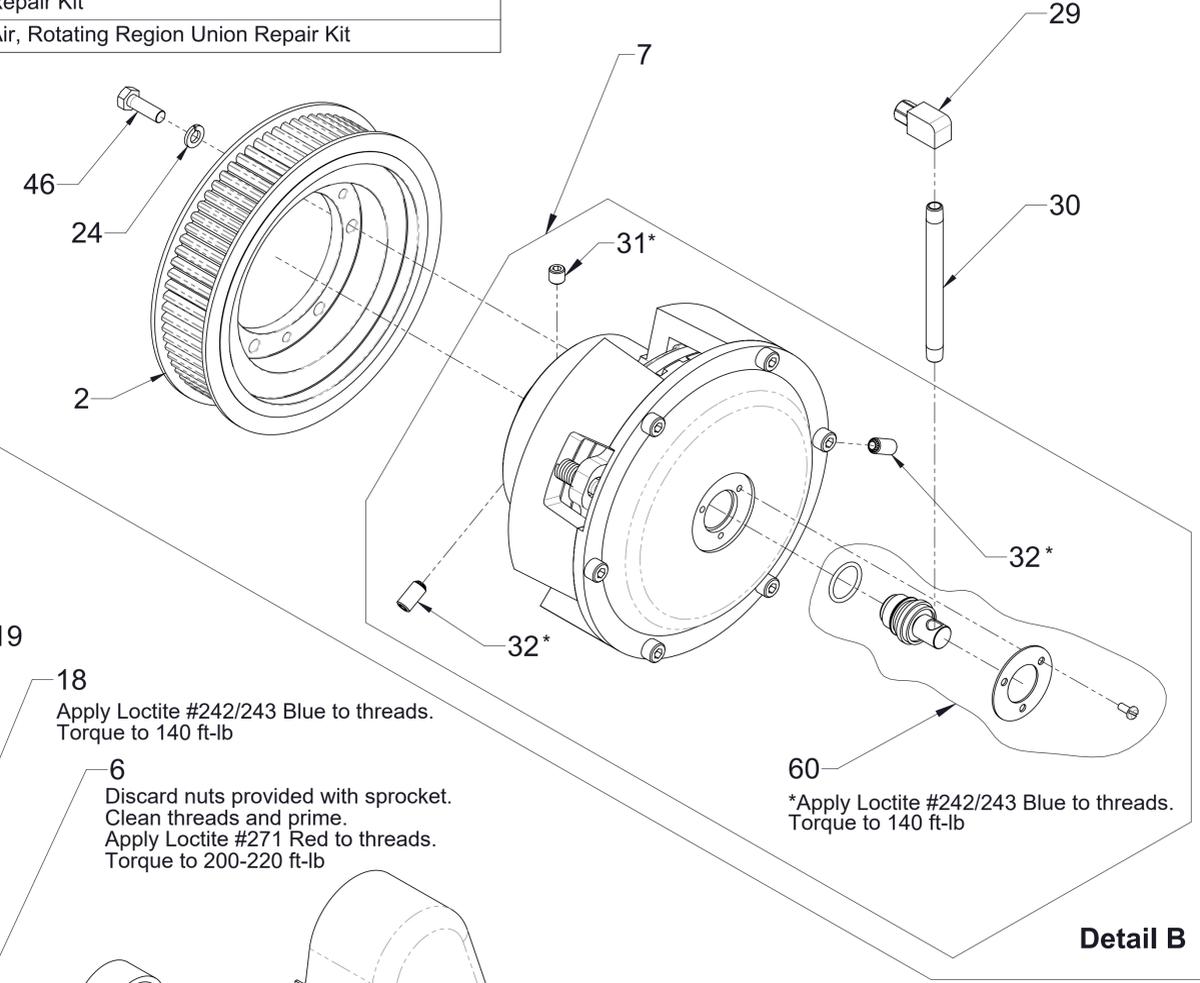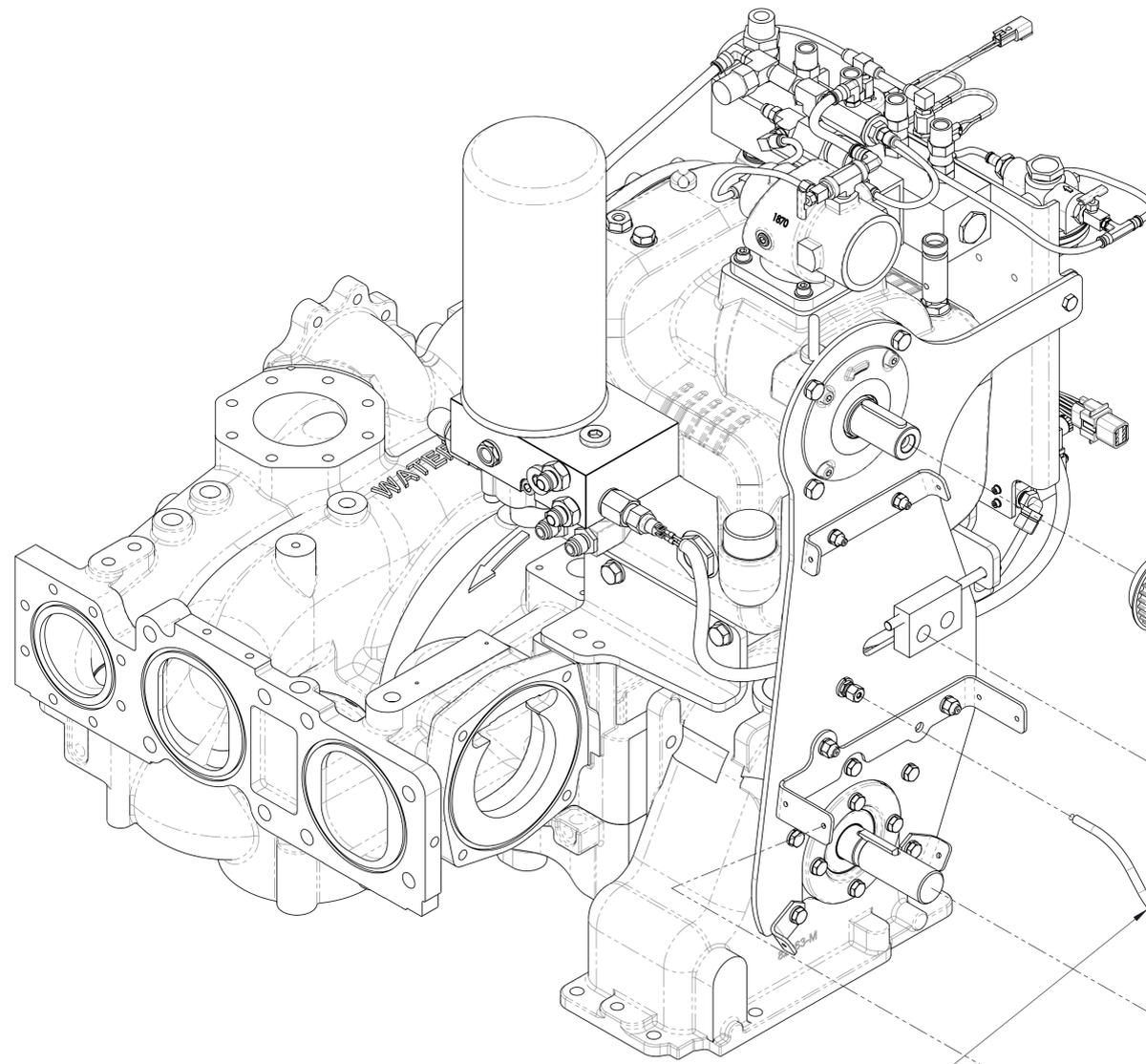
18
Apply Loctite #242/243 Blue to threads.
Torque to 140 ft-lb

6
Discard nuts provided with sprocket.
Clean threads and prime.
Apply Loctite #271 Red to threads.
Torque to 200-220 ft-lb

11

See Detail B for
individual components

33
Before assembly onto shaft, remove the three
set screws from the clutch. Apply Loctite
#242/243 Blue to threads and reinstall in
clutch. Install clutch on shaft aligning set
screws with groove in shaft.

3
Set the belt tension to allow for 1/4 to 5/16 inch
deflection when 10 to 12 lbf are applied to the
longest span. Do not over-tighten.

65

61

68

67

Clutch and Belt