

Throttle Repair Kits – 275547, 275548, 275549, 275550

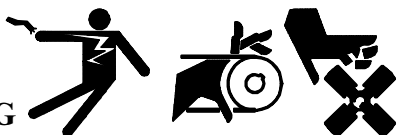
for 20–180 ROZJ Generator Sets

Standby Generator Sets

The throttle repair kits replace the governor throttle spring with a linkage or bracket which holds the governor throttle lever in the full–open position. (See Service Bulletin 496.) Observe the following safety precautions during kit installation. Reference the appropriate installation drawing to identify and assemble components.



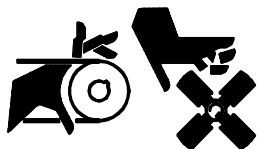
WARNING



Accidental starting can cause death or serious personal injury. Turn Generator Master Switch to OFF position, disconnect power to battery charger, and remove battery cables (remove negative lead first and reconnect it last) to disable generator set before working on any equipment connected to generator. The generator set can be started by automatic transfer switch or remote start/stop switch unless these precautions are followed.



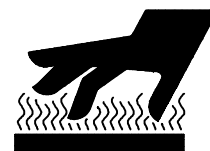
WARNING



Exposed moving parts can cause severe injury. Keep hands, feet, hair, and clothing away from belts and pulleys when unit is running. Replace guards, covers, and screens before operating generator set.



CAUTION



Hot parts can cause personal injury.

Do not touch hot engine parts. An engine gets hot while running and exhaust system components get extremely hot.

NOTE

Do not adjust governor fast idle adjusting screw during kit installation. Changing position of fast idle screw will affect engine speed and require that the governor be adjusted.

INSTALLATION

1. Disconnect engine battery cables (negative lead first) to disable generator set.
 2. Disconnect spring from governor throttle lever and spring bracket. Discard spring.
- ##### **3.1 20–100ROZJ Models**
- a. Remove hardware securing spring bracket to engine block. Remove and discard spring bracket. Reference the appropriate installation drawing in Figure 1 or Figure 2 to determine what hardware should be retained for installation of new bracket.
 - b. Attach mounting bracket to engine block with screws, washers and spacers (if used – see parts list). Torque to 28 ft. lbs. (40 Nm).

- c. Assemble rod and ball joint linkage as shown in installation drawing. Attach linkage to governor throttle lever with hardware indicated in Figure 1 or Figure 2. Do not connect linkage to mounting bracket until next step.
 - d. To correctly set throttle rod length, rotate throttle lever clockwise until lever stops against the fast idle adjusting screw. Rotate throttle lever an additional 10 degrees clockwise then attach ball joint on free end of rod to mounting bracket. When properly adjusted, the spring on the throttle lever will be slightly extended. See Figure 3.
- ### 3.2 125–180ROZJ Models
- a. Remove hardware securing throttle lever to governor shaft. Remove and discard throttle lever and mounting screws.
 - b. Attach throttle bracket (275546) to governor shaft with screws and washers as shown in Figures 4 and 5. Torque to 28 ft. lbs. (40 Nm). When installed, the throttle bracket should contact the governor stop screw to hold the throttle in the full–open position against the idle speed adjusting screw. **DO NOT CHANGE POSITION OF IDLE SPEED ADJUSTING SCREW.**
 4. Reconnect generator starting battery, negative lead last.
 5. Start generator set. Using a tachometer or frequency meter on controller (if equipped), check engine full load speed. Engine speed should be 1800 rpm at 60 Hz and 1500 at 50 Hz operation. If engine speed is incorrect, refer to the generator service manual for governor adjustment procedure.

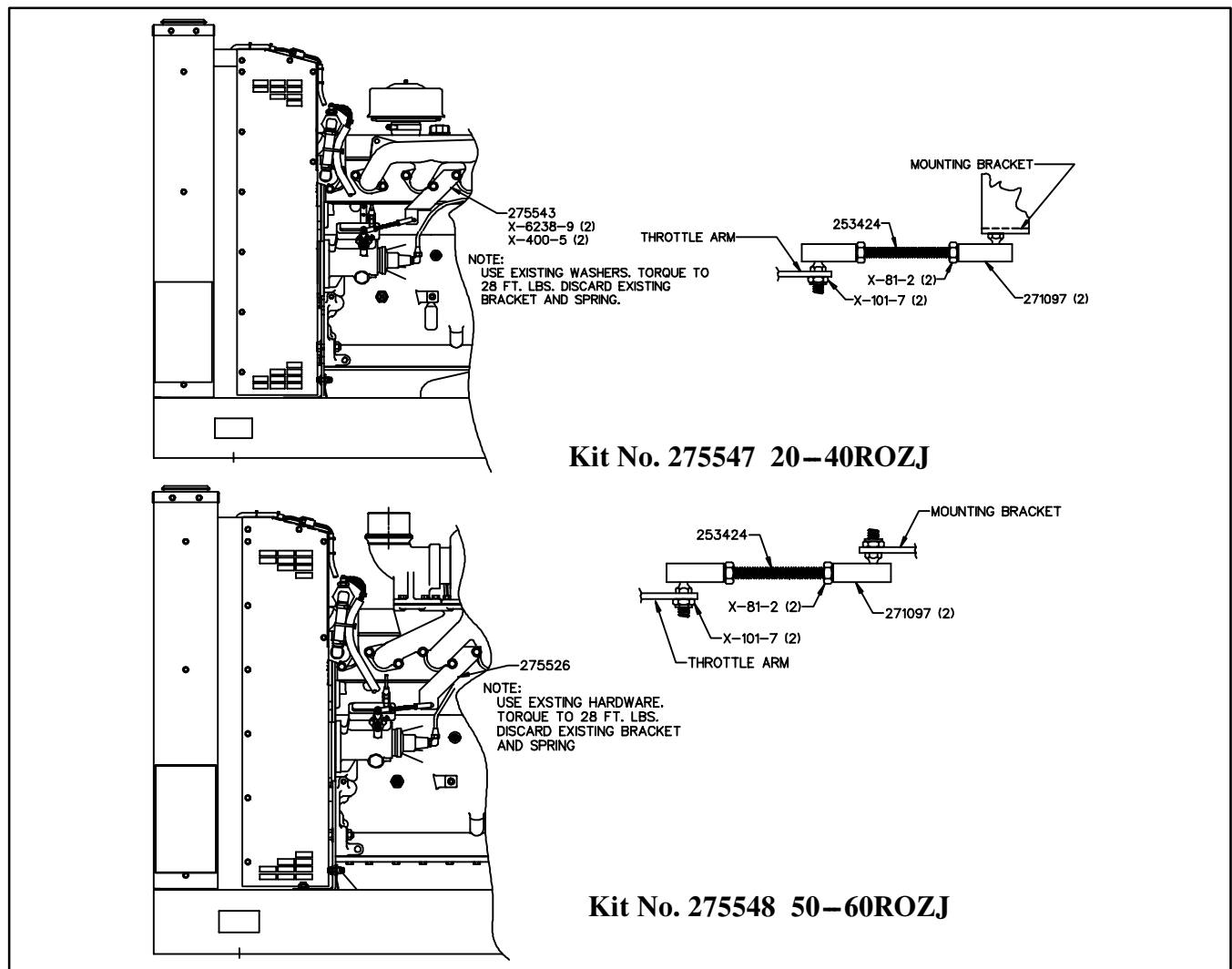


Figure 1. Throttle Repair Kits for 20–60ROZJ

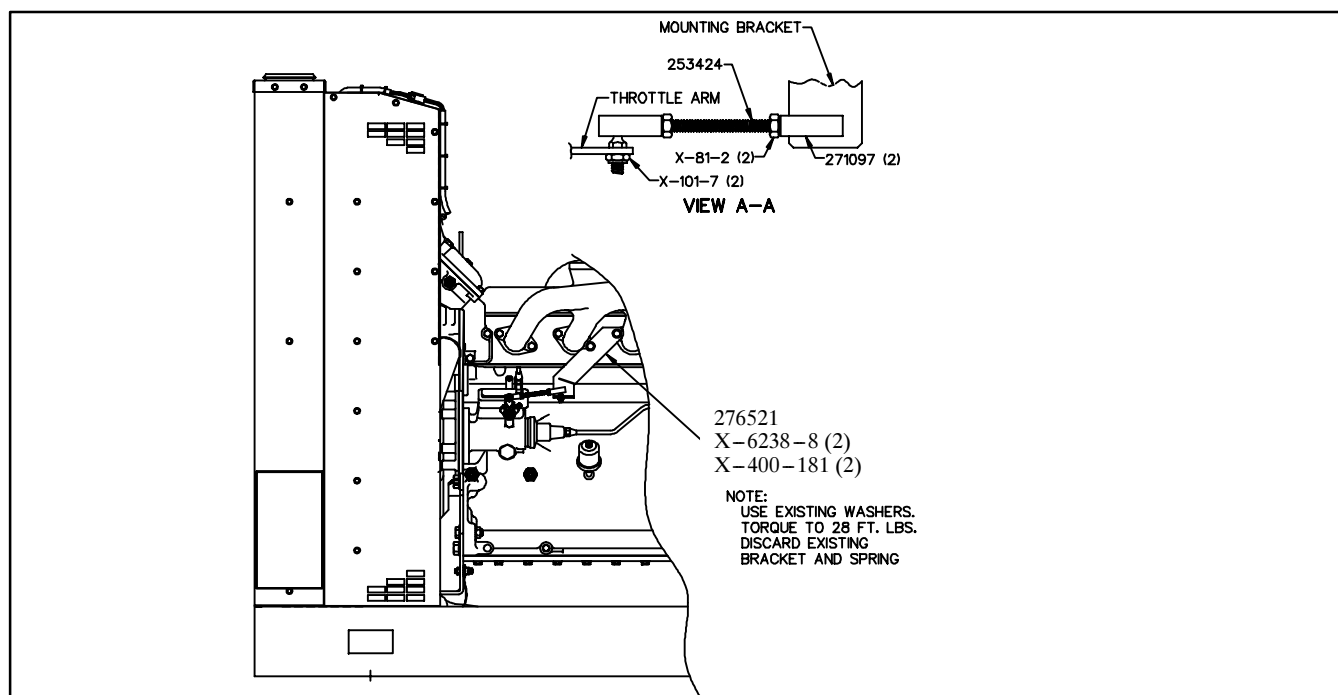


Figure 2. Throttle Repair Kit 275549 for 80–100ROZJ

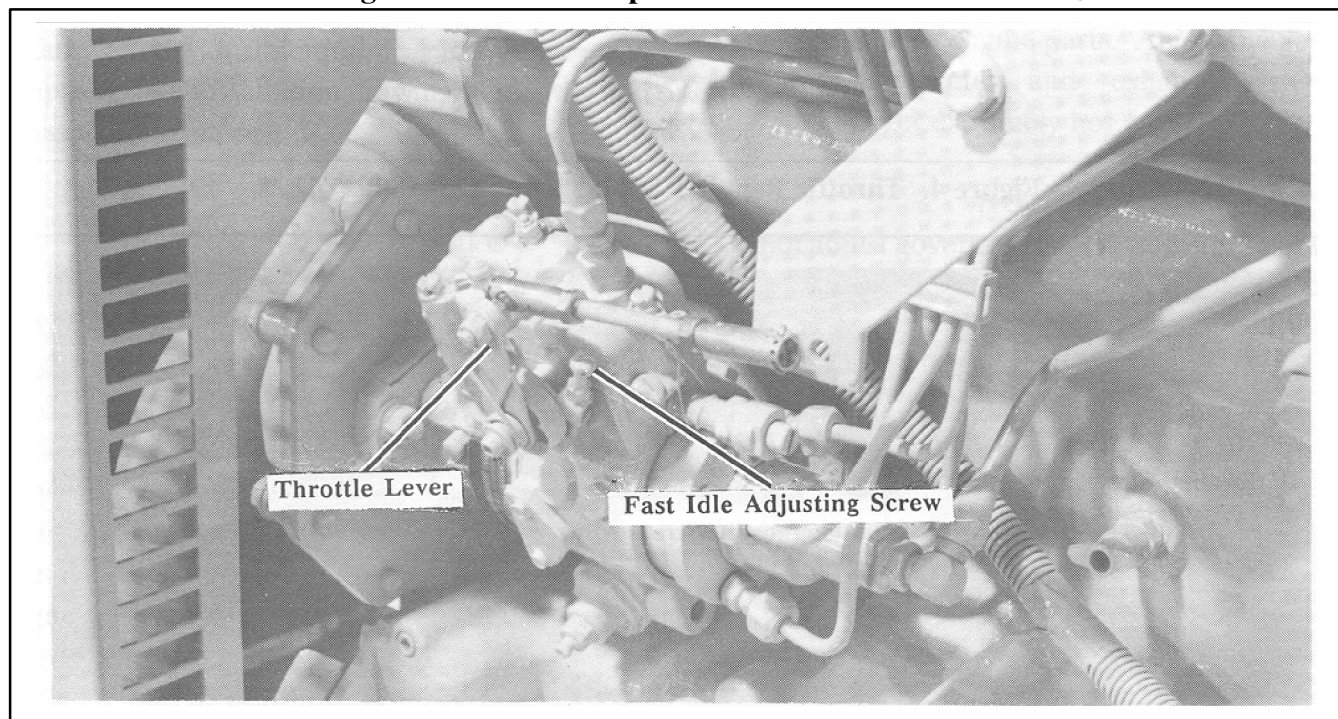


Figure 3. Throttle Repair Kit Installed – Typical (20–100ROZJ)

PARTS LISTING

Description	Qty.	Kit 275547 (20–40ROZJ)	Kit 275548 (50–60ROZJ)	Kit 275549 (80–100ROZJ)	Kit 275550 (125–180ROZJ)
Nut, lock 1/4	2	X-101-7	X-101-7	X-101-7	
Spacer 13/32 x 3/4 x 1-1/2	2	X-400-5		X-400-181	
Screw, H.C. 3/8-16 x 2-3/4	2	X-6238-9		X-6238-8	
Nut, hex 1/4-28	2	X-81-2	X-81-2	X-81-2	
Stud	1	253424	253424	253424	
Ball joint	2	271097	271097	271097	
Mounting bracket	1	275543	275526	276521	
Washer, lock 1/4	2				275546
Screw, H.C. M6 x 1 x 16	2				X-20-1 X-6049-2

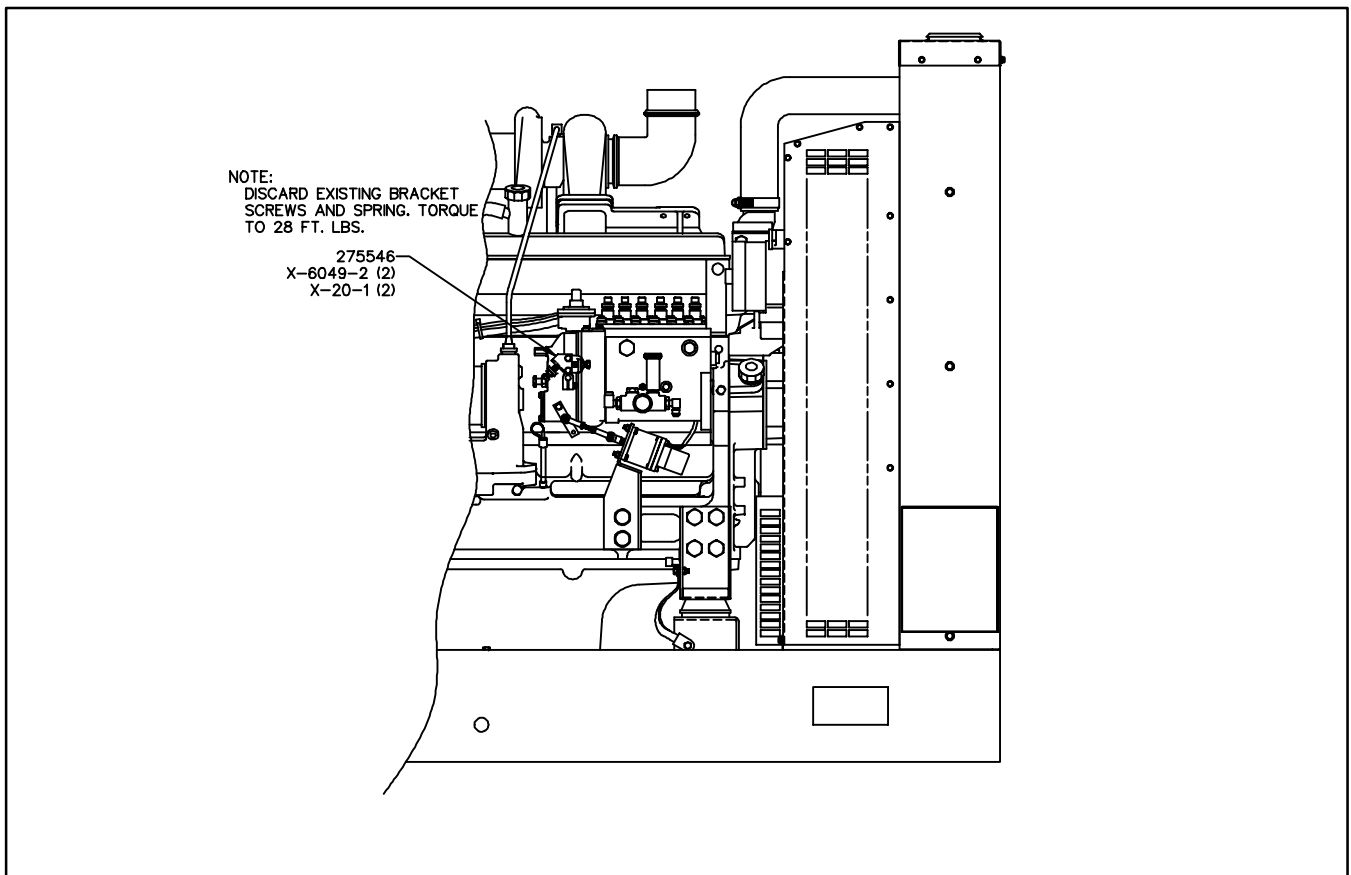


Figure 4. Throttle Repair Kit 275550 for 125–180ROZJ

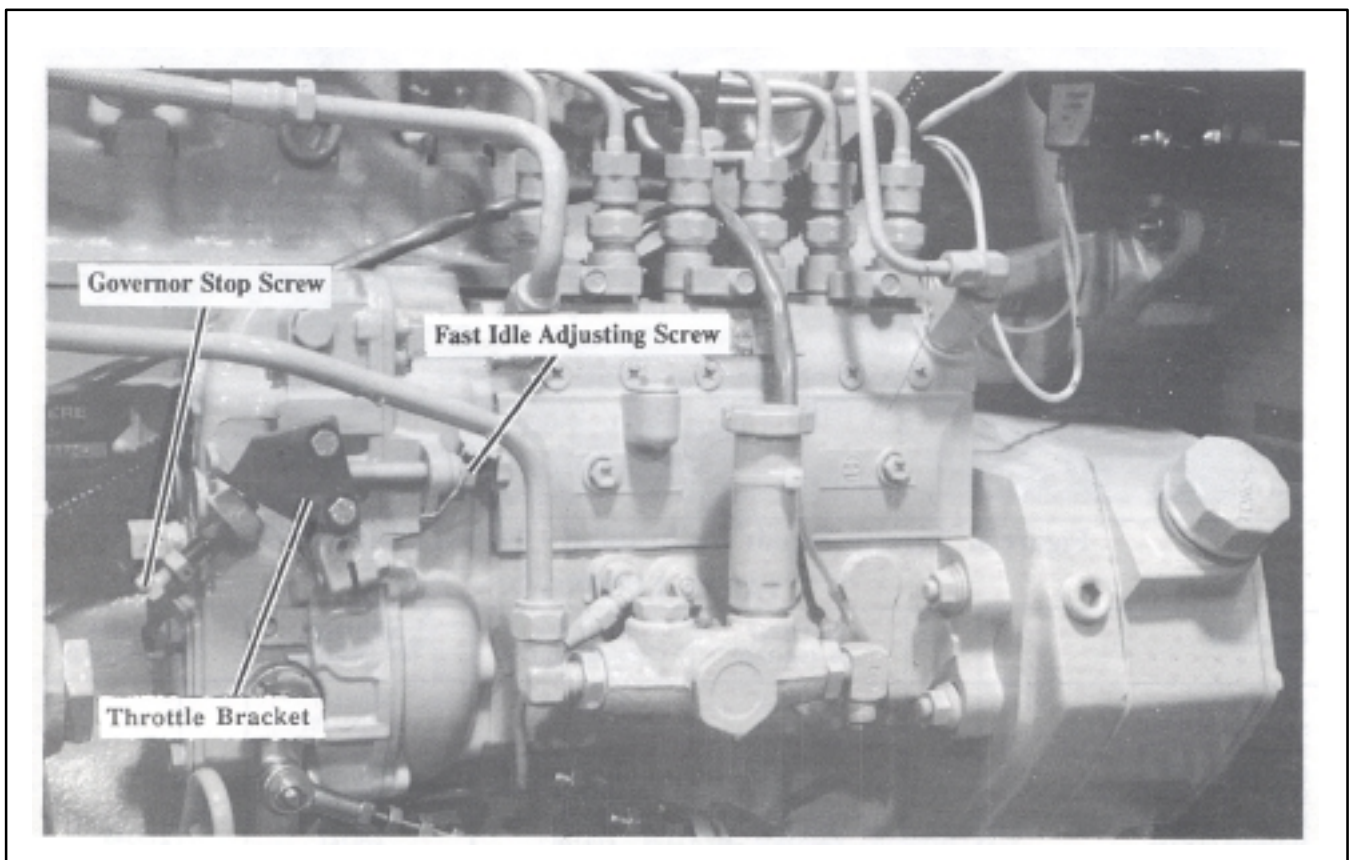


Figure 5. Throttle Repair Kit Installed (125–180ROZJ)