



Service Bulletin #66A SJKB Brake Inspection

March 23, 2000

**Product Affected: SJKB 33N, SJKB 33i, SJKB 33C, SJKB 40i, SJKB 40C,
SJKB 40CME**

SJKB 33N

(5 digit Serial Number) 90999 & below, (6 digit Serial Number) 900106 & below.

SJKB 33i, SJKB 33C

91143 & below.

SJKB 40i, SJKB 40C

92642 & below.

SJKB 40CME

S/N 96061 & below.

Introduction:

As a follow-up to our Service Bulletin 66, which was issued on August 1, 1999, we are finding that the proper inspections (per Maintenance and Inspection Schedule) are not always being carried out by the end user. We have also determined that poor maintenance procedures and improper brake adjustment procedures may result in premature brake failures. (These symptoms are listed below.)

Skyjack, in co-operation with our equipment supplier, has developed an alternative to the existing brake system for the above models. We are supplying these spring kits at no charge to all of our customers and recommend you to install them on all the above listed machines. The spring kits will reduce the frequency of adjustment required, however daily inspections should still be performed as outlined in the manual.

Symptoms of parking brake failure are:

- Machine parked on unlevelled ground may roll.
- Releasing of the deadman (Footswitch) while driving does not result in immediate braking.
- Releasing of the deadman (Footswitch) while driving results in the machine to pull to one side or the other.

**Procedure:**

Follow the attached procedure.

Parts and Warranty Policy:

Please follow the included instructions to complete Bulletin #66A. The spring kit is being provided to you at no cost. For installing the spring kits on machines that are within the first year of the warranty period, Skyjack will pay 2 hours of labor for this bulletin.

Upon completion, send in a warranty claim form for each machine, stating that Bulletin #66A has been completed.

Ownership of Machines:

If you have sold or transferred SJKB 33N, SJKB 33i, SJKB 33C, SJKB 40i, SJKB 40C, or SJKB 40CME machine(s) with the serial numbers listed above, it is your responsibility to forward this service bulletin to the current owner and to notify Skyjack Inc.

Contact Information:

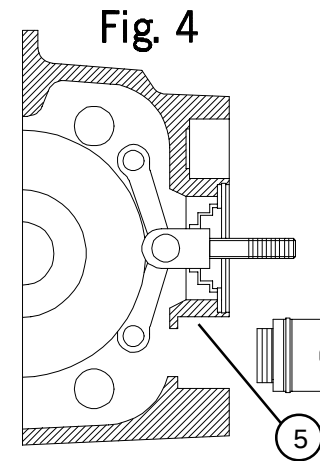
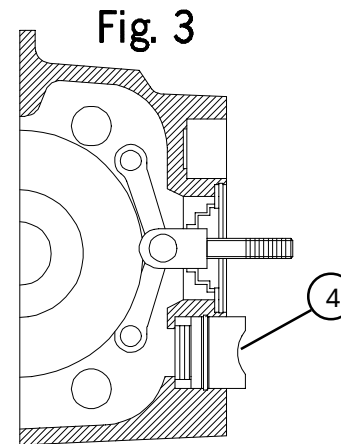
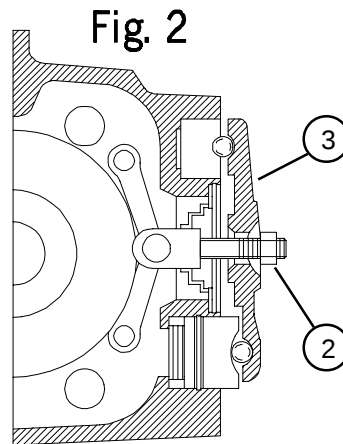
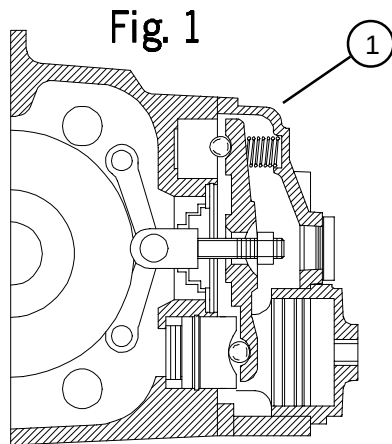
We regret the inconvenience and appreciate your cooperation. If you have any questions please call Skyjack Service at **800-275-9522** or **630-262-0005**. You can e-mail any questions to service@skyjackinc.com

SPRING KIT INSTALLATION

BELLVILLE WASHER REMOVAL

1. Turn main power disconnect to the off position.
2. Remove the rear axle cover.
3. Drain gear lube from the axle. (Approx. 3 gallons)
4. Disconnect and plug brake hoses going into the rear axle.
5. Remove the eight bolts (per side) that hold the brake housing to the rear axle. Using a rubber mallet, tap the housing (Item 1) free of the rear axle. (Figure 1)

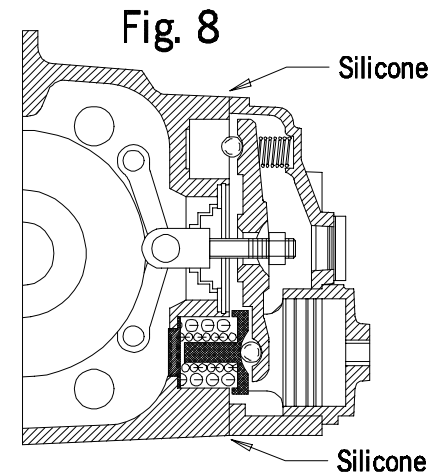
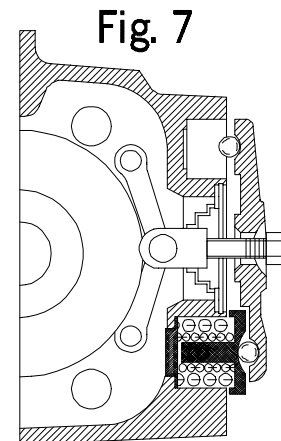
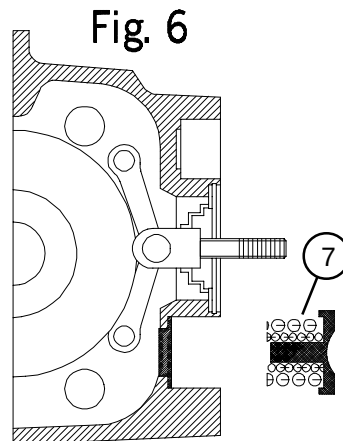
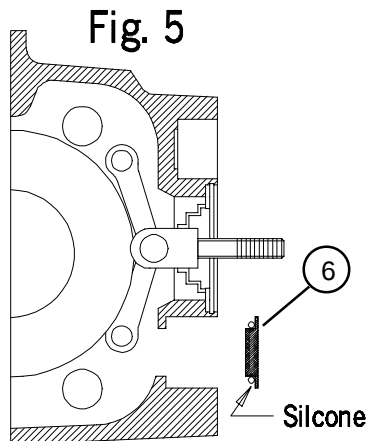
6. Remove the brake adjusting nut. (Item 2) This will allow the lever (Item 3) to be removed. (Figure 2)
7. Remove the Belleville washer assembly (Item 4) from the axle. (Figure 3)
8. Clean out the bore hole (Item 5) where the belleville washer was removed from. (Figure 4)



SPRING KIT INSTALLATION

1. Use a small amount of silicone around the edge of the inner cap (Item 6). (Figure 5)
2. Place cap into the bore where the belleville assembly was removed. Small section towards the axle. (Figure 6)
3. Place the small die spring into the larger die spring. Place both springs on to the stem of the outer seat. (Item 7) (Figure 6)
4. Install the springs and outer seat into the bore with the inner spring. (Figure 7)

5. Re-install the lever and adjusting nut. Tighten the nut so the threads are just showing.
6. Install housing using a small amount of silicone to form a seal between the axle and brake housing. Re-install the bolts. Re-install the hoses. Refill axle with fluid.
7. Adjust brakes per brake adjust procedure on the last page of the bulletin or in Section 5 of the parts manual.
8. Test brake operation.



BULLETIN #66A CHECKLIST

SJKB BRAKE INSPECTION

October 21, 1999

Serial Number	_____	Model	_____
Dealer Name	_____	Owners Name	_____
Address	_____	Address	_____
	_____		_____
Postal/Zip Code	_____	Postal/Zip Code	_____
Contact Name	_____	Contact Name	_____
Telephone #	_____	Telephone #	_____
Customer W/O #	_____		

Installation Checklist:

- ☐ Spring Kit Installed
- ☐ Brake Springs Adjusted to Specifications (per Section 5 of the Operating Maintenance and Parts manual and found on the back of this page.)
- ☐ Brakes Tested on Level Surface (per Section 2 of the manual and stated below.)
- ☐ Date complete _____

BRAKE OPERATION TEST PROCEDURE

Proper operation of the parking brakes should be checked daily or at the beginning of each shift. Locate the machine in an appropriate area for testing the brakes. **IMPORTANT NOTE:** The area for testing the machine **MUST** be completely level and free of obstructions. **DO NOT** drive on an incline unless the parking brakes are working properly. With the machine fully stowed and the throttle switch in the high position (if engine powered). Drive the machine forward at full speed and remove foot from footswitch. Repeat this step driving in reverse.



Parking brakes will instantly engage causing the machine to stop immediately.

The machine should come to an abrupt stop. If the machine does not stop instantly or if the machine pulls to one side while stopping, the brake adjustment **MUST** be checked before putting the machine into service.

When all items are completed. Fax this form to Ron Vlach at Skyjack Service (630) 262-0006

BRAKE ADJUSTMENT PROCEDURES

Mechanical

Checking the adjustment of each brake on the rear axle requires the following procedure:

1. Chock the wheels to prevent the work platform from rolling when the brake is released. Remove the thumb screws from the Rear Axle Cover and lift off to expose the rear axle.
2. Remove the Center Plug (17mm allen head) (Item #1) from each brake cover.
3. Starting with the left brake, insert the shaft of the Dial Indicator (Item #2, Skyjack part #707704) through the hole in the brake cover and carefully tighten the gauge holder (clockwise) until no threads are exposed.
4. Rotate the dial on the Dial Indicator to "0".
5. Locate the Parking Brake Release Hand Pump (refer to Section 2, Page 5). Follow the procedure to release the parking brakes.
6. Read the Dial Indicator setting. The proper setting range is 1.8mm (0.080") to 2.2mm (0.085"). If the setting is within this range, pull out the Brake Override Valve Plunger to engage the brakes, then perform the same adjusting check on the right brake. Remove the Dial Indicator and reinstall Center Plug.

NOTE: If setting on either brake is not within the specified range, proceed to step 7.

7. Remove the Dial Indicator. Pull out the Brake Override Valve Plunger to engage the brakes. With a M19 socket and wrench, adjust the Actuator Shaft (Item #3) by tightening (clockwise) the Actuator Shaft Nut (Item #4) to reach a lower setting or loosening (counterclockwise) the Actuator Shaft Nut (Item #4) to reach a higher setting.
8. Repeat steps 3, 4, 5 and 6.
9. Repeat step 6. If setting is still not within the specified range, repeat steps 7 and 8 until setting is within specified range.

NOTE: The brake will automatically return to normal operation when a drive function is selected.

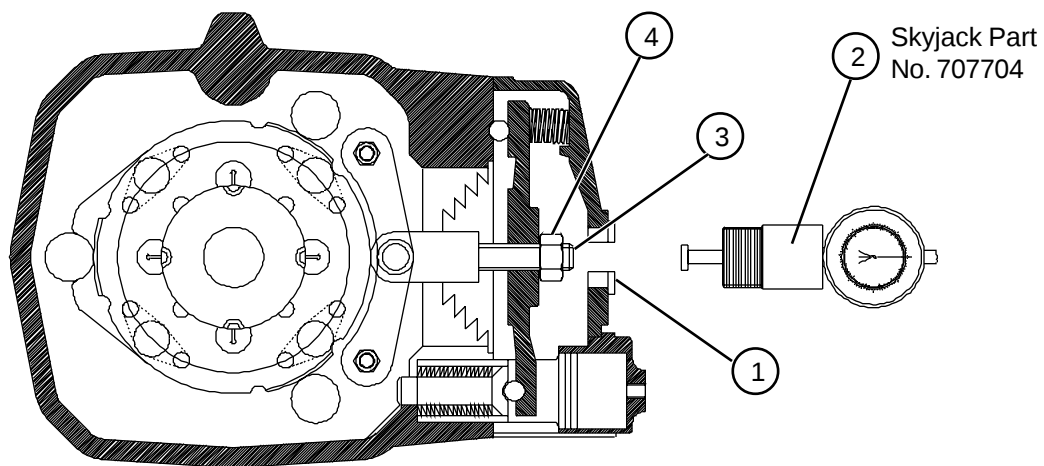


Figure 5-7. Cross Section of Brake Assembly