



HYDRAMATIC

BAND ADJUSTMENT

Internal band adjustments should be done with the special adjusting tools according to factory service manual. If these tools are not available, then use the external adjustment method shown below. We do offer the front band adjustment tool (J1693A) available as a rental, and the rear tool (J5071) available for sale if needed.

External band adjustments, without adjusting tools

1. Set the parking brake and block the wheels to prevent the vehicle from moving forward during the adjustment procedure.
2. Start the engine and allow it to come up to normal operating temperature, with choke and fast idle off.
3. Connect a tachometer to the engine.
4. Place the shift control lever into Drive.
5. Adjust the carburetor idle screw until the tachometer reads 700 RPM.

Front Band Adjustment

1. Loosen the front band adjusting screw lock nut
2. Loosen the adjusting screw until the engine RPM reaches 900-1000 RPM
3. Tighten band adjusting screw until the engine returns to 700 RPM
4. Again loosen the adjusting screw until engine speed increases and retighten slowly until the engine speed returns to 700 RPM.
5. Wait 30 seconds
6. If engine speed increases, then tighten the screw 1/10th of a turn
7. Wait another 30 seconds, if engine speed increases again, tighten screw another 1/10th of a turn more
8. Repeat the procedure until the engine RPM speed remains at 700 RPM for at least 30 seconds

9. While holding the lock nut stationary, tighten the adjusting screw 6.5 turns for models built before 1952, and 7.7 turns for models built 1952 and later. 1954-1956 Oldsmobile's and 1955-1956 Pontiac's do not have a provision for making external band adjustments; and must be done internally

10. Hold the adjusting screw stationary and tighten the lock nut securely

Reverse Band Adjustment

1. Repeat steps 1-8 under the front band adjustment; then proceed as follows
2. Position the select control lever into Neutral
3. While holding the lock nut, tighten the adjusting screw exactly 2 turns
4. Position the selector control lever into Drive
5. Holding the adjusting screw stationary, tighten the lock nut
6. Reset the engine to the recommended idle speed

Internal band adjustments, with adjusting tools.

Before adjusting the bands, make sure the anchor of each band is seated on the adjusting screw and that the band is centered on the drum. Turn the output shaft and main shaft by hand until the band moves into the operating position on the drum.

Front Band Adjustment

1. Back out the front band adjusting screw several turns. Remove the pipe plug from the top of the front servo. Loosen the hex adjusting screw on the adjusting gauge until approximately 1/8" of threads are exposed above the gauge body. Install the tool in the bore of the front servo from which the pipe plug was removed and tighten the gauge by hand only.
2. Tighten the hex adjusting screw on the gauge with your fingers until the stem of the gauge is felt to just touch the piston in the front servo. Do not over-tighten.
3. Tighten the hex adjusting screw from the gauge five complete turns.
4. Tighten the front band adjusting screw until the knurled washer on the top of the adjusting gauge is just free to spin.
5. Hold the front band adjusting screw and tighten the lock nut securely to 40-50 foot pounds.
6. Loosen the adjusting hex screw from the gauge at least five complete turns and remove the tool from the servo.
7. Install the pipe plug back into the front servo assembly.

Rear Band Adjustment

1. Back off the rear band adjusting screw several turns. With the band centered on the drum, make sure the rear servo actuating lever is not under tension. Position the rear band adjusting gauge on the rear servo with short leg hooked over the end of the accumulator body and the long leg resting on the servo piston stem.
2. Tighten the rear band adjusting screw until the rear servo actuating lever just contacts the face of the gauge. If adjusting screw is still turned beyond adjustment point, back screw out a few more turns and repeat the adjustment process.
3. When the correct adjustment is obtained, hold adjusting screw stationary and tighten the lock nut to 40-50 foot pounds.

Fatsco Transmission Parts

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