

DRIVE

CHAINS

GENERAL

Chain adjustment must be checked at regular intervals of 1000 miles for rear chain and 2000 miles for front chain. Rear chain requires more frequent attention than front, or primary chain. As chains stretch and wear, they run tighter at one spot than another. Always adjust free movement at tightest spot in chain to allow specified play midway between sprockets. Do not adjust tighter. Running chains too tight will result in excessive wear.

Inspect chains frequently for cracked, broken, or badly worn links. The rear chain may be taken apart for replacement or repair at the connecting, or master link. The front chain does not have a connecting link. It is necessary to remove the engine sprocket before the chain is removed for replacement. Repair of the front chain is not recommended. See "Stripping Motorcycle for Engine Repair," Section 3, for engine sprocket removal.

FRONT CHAIN ADJUSTMENT (Figure 2-1)

Remove rear pivot bolt from left footboard and swing rear end of footboard down, away from chain cover. Remove 8 cover attaching screws and remove cover. Front chain tension is adjusted by means of a shoe (1) which is raised or lowered underneath the chain to tighten or loosen it. The shoe support bracket (2) moves up or down in slotted backplate (3) after loosening center bolt (4) in backplate nut. Adjust shoe support as necessary to obtain specified up and

down free movement in upper strand of chain, midway between sprockets and retighten bolt securely.

Front chain adjustment:

5/8 to 7/8 in. chain slack with cold engine

3/8 to 5/8 in. chain slack with hot engine.

Shoe support bracket (2) and outer plate (5) have two sets of shoe attaching holes (A and B) so that entire assembly can be inverted to accommodate various sprocket sizes or chain lengths. To change over, remove center bolt (4), remove two shoe attaching capscrews (6) from set of holes (A), invert shoe and attach to alternate set of holes (B) with capscrews (6). Invert support bracket and outer plate and reattach with center bolt engaged in backplate nut.

REAR CHAIN ADJUSTMENT - 1972 AND EARLIER (Figure 2-2)

Remove the rear axle nut, lockwasher, and loosen brake sleeve nut (1) and brake anchor stud nut (4). Loosen the locknuts on wheel adjusting screws (2). Turn the adjusting screws as necessary to correctly adjust the chain. Turn each screw (3) an equal number of turns in order to keep wheel in alignment. Check correct alignment of the wheel to see that the tire runs in center of rear fork and also that the rear sprocket runs centrally in the chain. Specified rear chain play is 1/2 in. When readjustment is completed, be sure to securely tighten the sleeve nut, anchor stud nut, axle nut, and adjusting screw locknuts in that order.

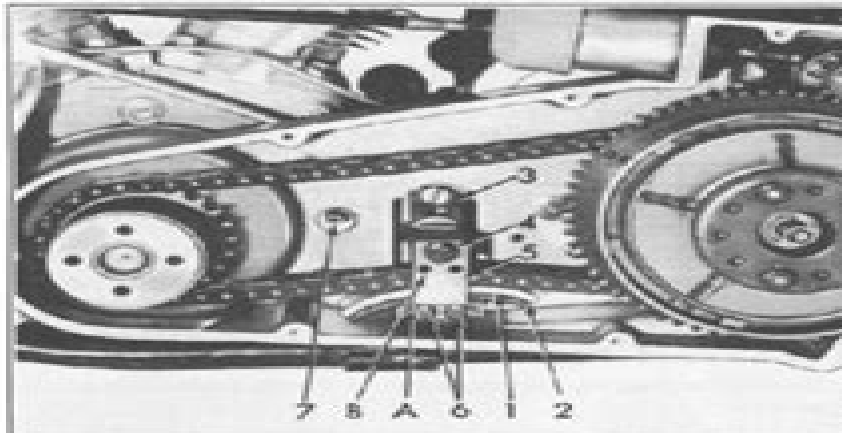


Figure 2-1. Adjusting Front Chain

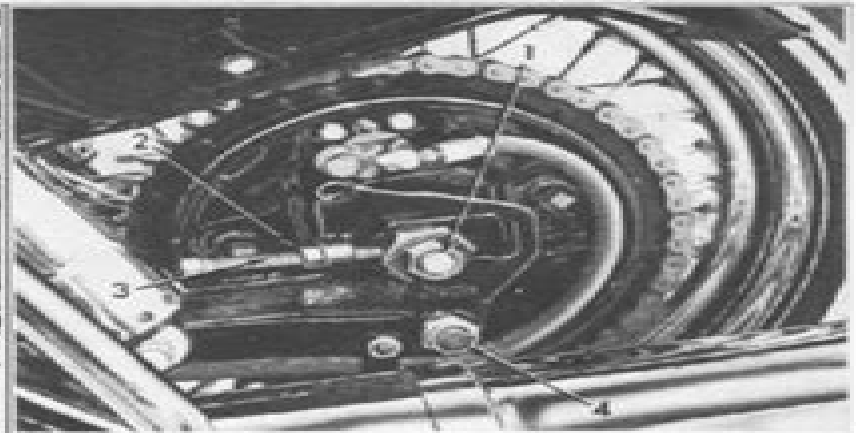


Figure 2-2. Adjusting Rear Chain (1972 and Earlier)

Harley Davidson Fx Service Manual

S Ben Porath



Harley Davidson Fx Service Manual:

Donny'S Unauthorized Technical Guide to Harley-Davidson, 1936 to Present Donny Petersen, 2013-02-12 In this second part of his fifth volume on Harley Davidsons motorcycles Donny Petersen who studied privately with Harley Davidson engineers shares practical knowledge and streetwise tips on the Shovelhead motorcycle Donny presents what Harley Davidson has to say through the myriad of service bulletins back in the day in everyday language He also uses his extensive practical experience to constructively critique the official line offers additional hard earned information and then shares what he does to his own bikes He provides solutions to fix the Shovelheads teething problems Harleys responses to ongoing problematic aspects of vibration as well as the aftermarkets cures tips on working with the Shovelheads carburetors and five ignitions starter and charging systems electrical switches circuit breakers and relays and best practices for lubrication as well as the progression of front forks and shocks brakes wheels and tires Written in straightforward language this guide offers step by step instructions to help all levels of enthusiasts from novices to expert mechanics In his usual forthright manner Donny makes technical issues understandable interspersing explanations with entertaining stories about the lifestyle that comes with being a Harley rider *Service Manual, 1973 to Date: Electra Glide-FL/FLH; Super Glide-FX.*

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