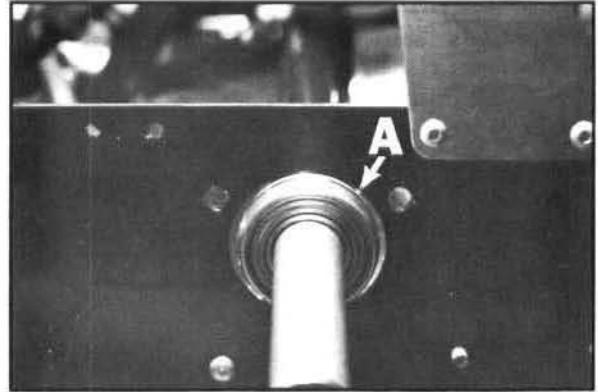


BRAKES / FINAL DRIVE Type 3 Drive System Overhaul

35. Slide a bearing onto driven clutch end and check shaft alignment to bulkhead opening (A).



36. If alignment is not correct, shims may be added between any of the chaincase to bulkhead attaching points. Use Shim Kit PN 2200126.



37. Reassemble by reversing disassembly procedures.
38. Torque castle nut to 50 ft. lbs. (6.9 kg/m).. If cotter pin does not align, tighten nut until cotter pin aligns.
39. Finger tighten four carrier bracket attaching bolts.
40. Apply parking brake to align caliper to brake disc. Torque bolts with brake applied. Release brake and retorque bolts to 8 ft. lbs. (1.1 kg/m).

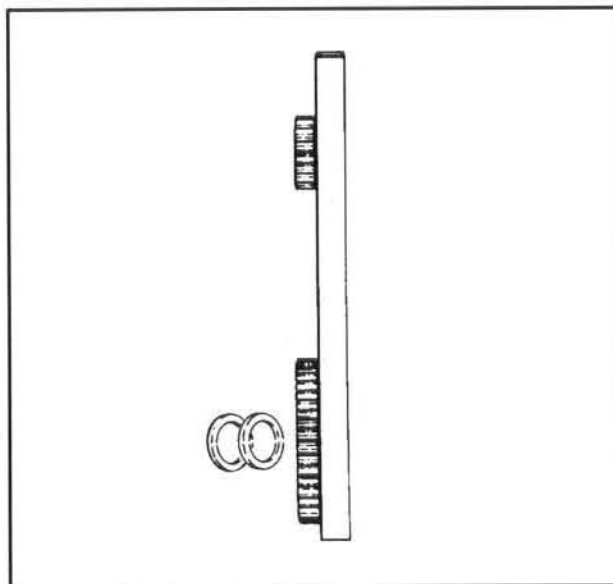


BRAKES / FINAL DRIVE

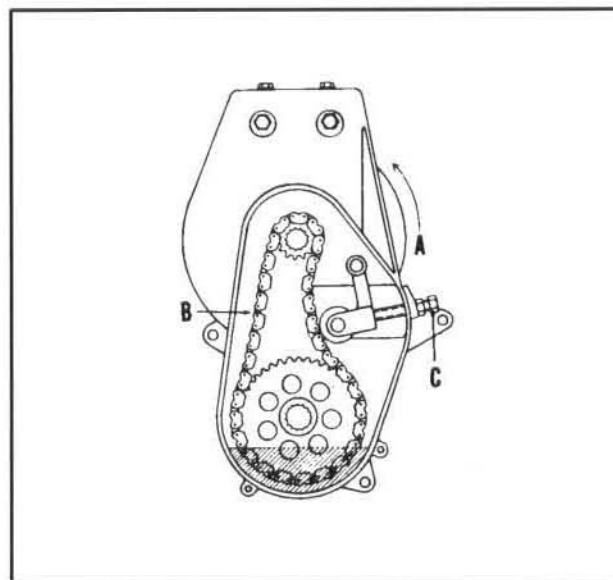
Type 3 Drive System Overhaul

Maximum sprocket and chain life are directly related to proper sprocket alignment and chain tension.

41. Before installing drive chain, place a straight edge against upper and lower installed sprockets. The edge should contact equally on both sprockets.
42. If misalignment is evident, the addition or subtraction of washers (PN 7556509) behind the bottom sprocket will be necessary.

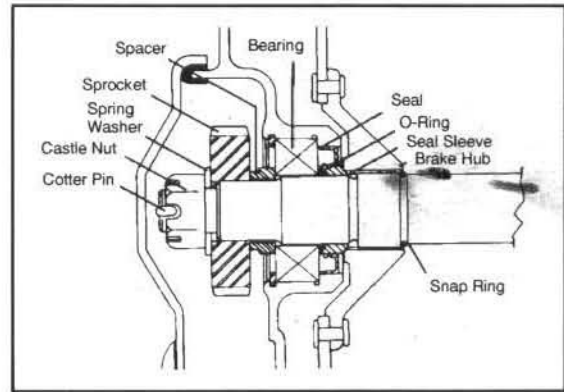


43. To obtain correct chain tension, place a slight reverse tension on the chain as indicated in the illustration at right (A).
44. There should be approximately 1/4-3/8" (.6-.95 cm) deflection on the chain at point (B). Loosen adjuster bolt locknut and turn adjuster bolt (C) until correct chain deflection is obtained.
45. Lock adjuster bolt locknut while holding a wrench on the adjuster bolt.
46. Install chaincase cover and add Polaris chaincase lubricant (PN 2870337) through cover upper plug hole until lubricant trickles from check plug hole.
47. Reinstall plugs.

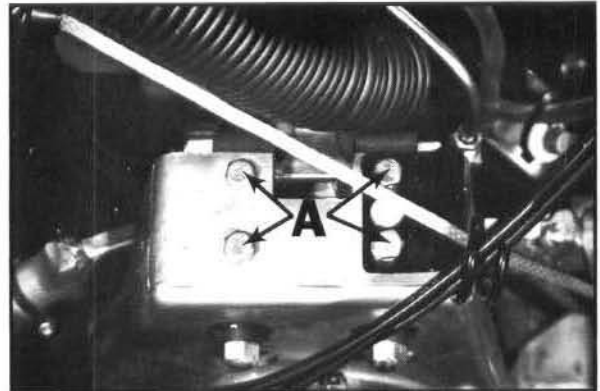


BRAKES / FINAL DRIVE Type 3 Drive System Overhaul

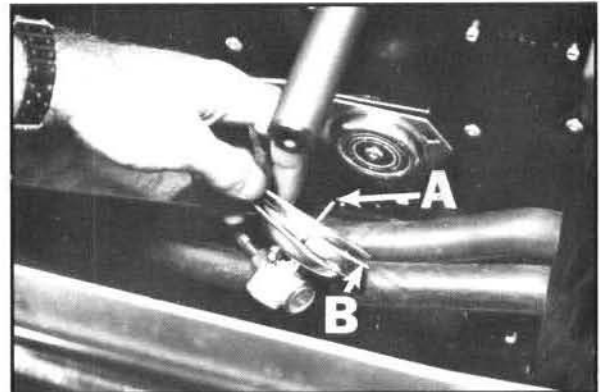
48. The illustration at right shows a cross section view of the upper chaincase. Always replace seals and O-Rings. Check seal sleeve for wear and/or nicks. Replace if any are noticed.
49. Castle nut is torqued to 50 ft. lbs. (6.9 kg/m). Cotter pin must be installed and fixed so it will not hit chaincase cover. **NOTE:** If cotter pin does not align, tighten nut until alignment is achieved.



50. When install caliper assembly, tighten four bracket attaching bolts (A) finger tight.
51. Apply brakes and torque to 8 ft. lbs. (1.1 kg/m). Release brakes and retorque to 8 ft. lbs. (1.1 kg/m). This procedure allows better alignment of brake caliper to brake disc.



52. When reinstall drive shaft flangettes and speedometer angle drive, always replace drive key (A) and install a new gasket (B).
53. Check cable routing and lubricate with Polaris clutch and cable lube PN 2870510.
54. Grease angle drive and bearing with Polaris low temp grease.



55. When reinstalling jackshaft flangette and bearing be sure to align bearing outer race hole (A) with flangette hole (B). This will allow a more positive grease entry into the bearing.

