

with compressed air. Always avoid air directed to your bearing or face washers or air caps.

**Wheels and Axles:** Check all wheels for bearing rotation to insure all wheel bearings. Do not compress air.

**Wheel Ends and Bearing Caps:** Inspect wheel ends and bearing caps used for thoroughness. Check to insure no bearing caps used for thoroughness. Check to insure no bearing caps used for thoroughness. Check to insure no bearing caps used for thoroughness.

**Inspection:** Carefully inspect all bearings and rollers for evidence of shipping marks. If there are any, they should be replaced with the correct ones. Bearings are not suitable for use if there is any damage. If any indication of failure, such as cracked shells or excessive wear is indicated, then parts should be replaced with new parts.

### Disassembly of Rear Output Shaft Sub-Assembly

1. Remove speedometer drive gear bracket and gear from rear output.



Fig. 101-Removing Intermediate Shaft from



Fig. 102-Removing Front Output Shaft



Fig. 103-Removing Rear Output Shaft Sub-Assembly



Fig. 104-Removing Rear Output Shaft Rear Bearings

2. Support axle assembly in a soft jaw vice and remove roller bracket and washers.
3. Remove speedometer drive gear and using a soft hammer, tap roller from shaft.
4. Support axle from rear of vehicle and press support shaft from the roller.
5. Dry and clean bearing face.
6. Remove the speedometer drive gear, using a drift, drive the bearing out from the housing rear face.
7. Using a brass drift, remove the bearing rear face from the housing rear face.
8. Remove plate and speedometer gear from the shaft. To clean together before bearing ends.
9. Using press plate 1-2111, remove front bearing from the shaft as shown in Figure 103.
10. Collapse and remove roller bearing from support shaft with care.

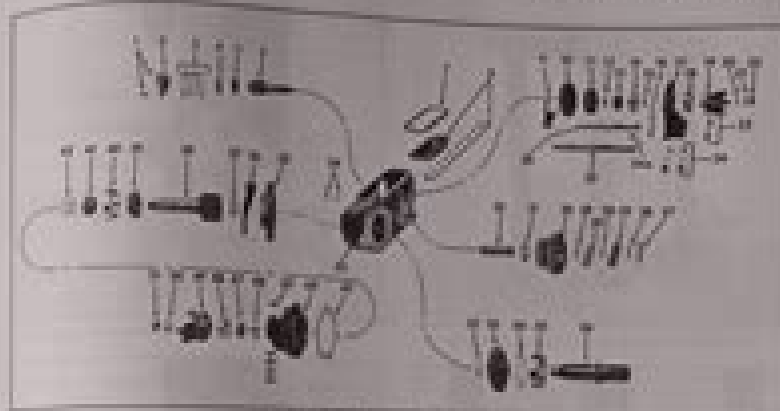


Fig. 105-Rear Output Shaft Sub-Assembly View

- |                        |                           |                       |                         |
|------------------------|---------------------------|-----------------------|-------------------------|
| 1. Output Shaft (A)    | 16. Pinion                | 31. Intermediate Gear | 44. Rear Output Bearing |
| 2. Front Output Shaft  | 17. Pinion Output Bearing | 32. Output Pinion     | 45. Rear Output Bearing |
| 3. Rear Output         | 18. Pinion Output         | 33. Intermediate Gear | 46. Rear Output Shaft   |
| 4. Front Output Gear   | 19. Pinion Output         | 34. Intermediate Gear | 47. Rear Output Gear    |
| 5. Gear Drive          | 20. Gear                  | 35. Intermediate Gear | 48. Rear Output Gear    |
| 6. Front Output Gear   | 21. Gear                  | 36. Intermediate Gear | 49. Rear Output Gear    |
| 7. Bearing Cap         | 22. Output Gear           | 37. Intermediate Gear | 50. Rear Output Gear    |
| 8. Front Output Gear   | 23. Output Gear           | 38. Intermediate Gear | 51. Rear Output Gear    |
| 9. Bearing             | 24. Output Gear           | 39. Intermediate Gear | 52. Rear Output Gear    |
| 10. Front Output Shaft | 25. Output Gear           | 40. Intermediate Gear | 53. Rear Output Gear    |
| 11. Front Output Gear  | 26. Output Gear           | 41. Intermediate Gear | 54. Rear Output Gear    |
| 12. Front Output Gear  | 27. Output Gear           | 42. Intermediate Gear | 55. Rear Output Gear    |
| 13. Front Output Gear  | 28. Output Gear           | 43. Intermediate Gear | 56. Rear Output Gear    |
| 14. Front Output Gear  | 29. Output Gear           | 44. Intermediate Gear | 57. Rear Output Gear    |
| 15. Front Output Gear  | 30. Output Gear           | 45. Intermediate Gear | 58. Rear Output Gear    |

### Assembly of Rear Output Shaft Sub-Assembly

1. Place roller pin bearing in front of rear output shaft with bearing identification facing out using Tool 1-2142 as shown in Figure 103.

**CAUTION:** Bearing identification must face out. Do not use end of bearing as a guide and do not use it for use in bearing in hole or damage to the bearing hole itself.

2. Using Tool 1-2142, press front bearing on shaft as shown in Figure 103.
3. Install the front bearing cap in the front bearing face using Tool 1-2142 as shown in Figure 103 and cap with in bearing.
4. Install the rear bearing and inspect the rear bearing face using Tool 1-2142 as shown in Figure 103 and cap with in bearing.
5. Install the end in the bearing rear face using Tool 1-2142 as shown in Figure 103 and cap with in bearing.

# Service Manual For 1971 Sportster

**J Spring**



## **Service Manual For 1971 Sportster:**

**Harley-Davidson Service-repair Handbook, Sportster Series, 1959-1977 ,1977      Donny's Unauthorized Technical Guide to Harley-Davidson, 1936 to Present** Donny Petersen,2010-03-01 Donny is the Winner of the 2012 International Book Awards Donny Petersen has been educating motorcycle enthusiasts about Harley Davidson bikes for years Now he has combined all his knowledge into a twelve volume series masterpiece and this third book is one that every rider will treasure Petersen who has studied privately with Harley Davidson engineers and has spent thirty six years working on motorcycles is sharing all of his secrets As the founder of Toronto s Heavy Duty Cycles in 1974 North America s premier motorcycle shop the dean of motorcycle technology teaches about the theory design and mechanical aspects of Harleys In this third volume discover 1 How to identify the Evolution models 2 Why the Evolution models are better 3 Everything you need to know about engines 4 Troubleshooting every facet of the Evolution And so much more The Harley Davidson Evolution The Japanese had more than quality Their arsenal included acceleration and speed combining with good braking and handling They could design tool up and build a new motorcycle in a mere eighteen months The flavor of the day could easily be accomplished with this organizational skill and dexterity On top of this they had lower prices The Gang of 13 took over a failing company or did they By 1982 Harley Davidson sales went into a tailspin with plunging production The USA was in a deep recession Adding to the perfect storm was the flood of Asian imports that many believe were being sold in the U S below their manufactured costs Whether this was true or not how did a small country a half world away manufacture a quality product that was faster handled better and was less expensive Furthermore these import motorcycles were more functional Well of course they did because USA motorcycle manufacturing offered old clunker styling that was slower did not handle well and broke down all the time And for all of this Harley Davidson s cost more Insulting if one thinks about it It is not that the Evolution was that good relative to their competitors because in my opinion it was not However the Evolution was stellar relative to what went before I was a loyal Shovelhead rider necessarily becoming a mechanic along the way I like the rest of my ilk would never consider riding any other product I did not care that a Honda might be functionally better less expensive and not require my newfound mechanical skills Honda simply did not give what my psyche craved Importantly H D dropped its lackadaisical attitude towards copyright infringement particularly with knock off products Harley Davidson became extremely aggressive against the counterfeiting of their trademarks It licensed use of its logos with all manner merchandise that was embraced by mainstream America followed by the world including the Japanese H D then saw the birth of HOG the most successful marketing and loyalty campaign in the annals of corporate sustenance The world embraced this pasteurized version of the outlaw subculture You might meet the nicest people on a Honda but Harley riders are all about cool They adapt a pseudo outlaw lifestyle that emulates freedom and individualism They spend much of their time adopting one charity or another to prove they really aren t bad Many charities benefitted greatly during the Harley boom Can these

riders be contesting the Honda mantra of niceness The previous owners AMF deserve much credit for the success of Harley Davidson They gave the Gang of 13 a platform from which to launch These new guys were brighter than bright They put a management team together that knew no bounds in success I am sure that Marketing 101 in every business school teaches and will continue to teach their brilliant story Harley Davidson became the epitome of American manufacturing and marketing the darling of capitalism at its finest Think about it How could a rusty old manufacturer whose time had drifted by reach such pinnacles of success Well H D had a little help along the way with two main sociological factors 1 The post World War II baby boom the aging bulge in American demographics looking for adventure and whatever safely came their way 2 A generation that worked hard raised families and then looked back at what they had missed in their youth Harley Davidson embodied the freedom and adventure they lacked Harley Davidson was granted two decades in which to plan a lasting and viable future It sought to be the motorcycle of mainstream America The world would follow This venerable company almost pulled it off The Motor Company updated technology both in their manufacturing venue and in the product itself H D balanced on a near impossible fulcrum maintaining tradition on one side and complying with environmental dictates on the other The Evolution s successor the air cooled Twin Cam introduced in 1999 with great success H D continued to grow and prosper I have always viewed the Twin Cam as a transitional model embracing the past but leading into a future of overhead cams and water jackets The new H D V Rod s technological marvels are a wonderful attempt but as much as the Factory hoped mainstream Harley riders did not take the bait en masse After all they had their psychological needs These attempts did not prevent dark clouds from appearing on the horizon 1 Inexorably the post World War II baby boom s bulge has grown older losing interest in reclaiming youth with interests shifting elsewhere Who is to take over this downsizing market Who will be left to support the Motor Company in the style it has become accustomed 2 In my humble opinion the masters of marketing did not fill the coming void of consumers I think H D is good at pretty much everything except lowering prices for the incoming generations Nor have they developed affordable and desirable product lines for the youth Certainly the Factory began to enjoy economies of scale in manufacturing I for one do not think they have used their profits wisely for continued prosperity Will I continue to ride a Harley at age 62 Sure I will but I was riding them before they became cool I am not a dentist looking for a safe walk on the wild side or a movie star acquiring the in bauble of the day The Evolution motorcycle saved the Hog s bacon but a new savior is now required

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These bestselling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of compelling stories waiting to be discovered.

The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts.

The Secret History is a brilliant and suspenseful novel that will keep you wondering until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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