

Triumph

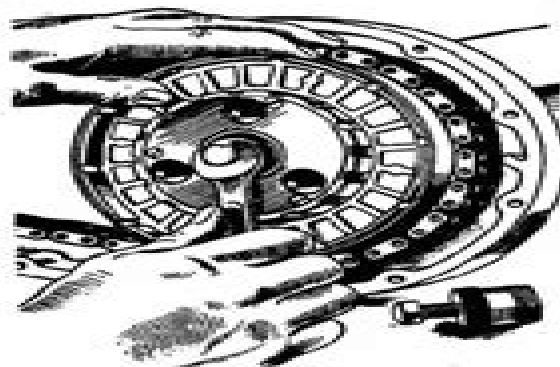
and then the lead can easily be removed.

5. Remove the rotor.
6. Remove the rotor key and distance piece.

7. Remove the clutch hub securing nut and cup.

NOTE: Machines prior to serial no. H49833 have a tab washer and a different cup washer, rather than the self-locking securing nut.

8. Screw the body of extractor no. Z13 into the clutch hub until it bottoms, then tighten the center bolt until the hub is released.



Removing the clutch housing

9. Assemble extractor no. Z151 and D662/3 on the engine sprocket and tighten its center bolt until the engine sprocket is released.

10. Withdraw the engine sprocket, clutch hub, and primary chain together.

11. Remove the transmission mainshaft key and check the oil seal for leakage.

INSPECTION

1. Inspect the clutch shock absorber for worn rubbers or punctures. They can be removed by prying them out, small rubbers first. Replace as necessary. When reassembling, apply thread-locking compound to the cover plate securing screws.

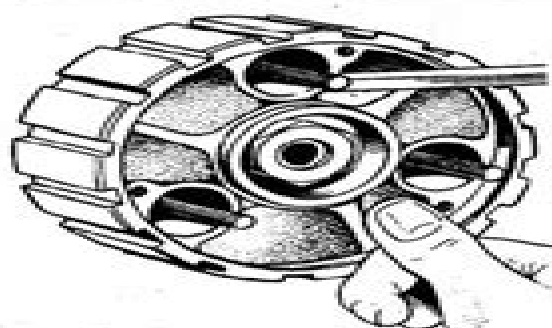
2. First thoroughly clean the primary chain then check it for wear by scribing two marks on a flat surface 12 in. apart, and centering two pivot pins at the scribe marks. Fully compressed, the chain link pivot should line up with the marks; fully stretched, it should not extend more than ¼ in. beyond the marks.

3. Check the fit between the shock absorber spider and the clutch hub splines. The spider should be a push fit on the clutch hub, with no radial movement.

4. Check the fit of the engine sprocket on the crankshaft in the same manner. There should be no radial movement.

5. Check the clutch hub bearing diameter, rollers, and clutch sprocket bearing. Replace any bearing rollers that are pitted or worn. See specifications.

6. Make sure the shock absorber spider is a good fit in the inner and outer



Installing clutch hub rubbers

retaining plates, and that the arms have not excessively scored the inner surface of the retaining plates.

ASSEMBLY

1. Grease the clutch hub and install the thrust washer and twenty of the correct rollers. Do not use ¼ in. x ¼ in. rollers.

2. Position the hub and press the shock absorber, complete with the three threaded pins, on the hub.

3. Install a new tapered distance collar behind the engine sprocket, with the taper toward the crankshaft main bearing and oil seal.

4. Install the transmission mainshaft key and tap the clutch hub onto its taper.

5. Lubricate the primary chain and lay it over the clutch sprocket.

6. Wrap the chain around the engine sprocket, then position the sprocket on the crankshaft.

7. Place clutch locking tool Z13 in the clutch plate housing, then install the cup washer and self-locking nut. Torque the nut to specifications.

NOTE: On machines before serial no. H49833, install the tab washer with the long tab in the hole in the shock absorber spider, install the securing nut and bend a tab to lock the nut.

8. Install the alternator rotor, making sure that the key or locating peg is correctly positioned.

9. Install the alternator stator. Put a 0.008 in. (0.2 mm) feeler gauge between each stator pole and the rotor. Turn over the engine to make sure that the rotor and stator do not touch.

Transmission Countershaft Sprocket

REMOVAL AND INSTALLATION

1. Disassemble the clutch and primary drive as previously described. Remove the sprocket cover.

2. Bend back the tab washer and, while holding the rear brake, remove the sprocket securing nut.

3. Slide off the final drive chain and remove the countershaft sprocket.

4. Make sure the oil seal is in good condition, then lubricate the ground boss

of the new sprocket and position it on the transmission mainshaft.

5. Replace the tab washer, screw on the securing nut finger-tight, then, with the chain in place, tighten the nut to torque specifications.

6. Oil the bushing that protrudes from the mainshaft high gear and install the sprocket cover with a new paper gasket.

7. The remainder of installation is a reversal of the removal procedure.

Clutch and Shifter Operating Mechanisms

DISASSEMBLY

1. Remove the right exhaust header pipe and footrest.

2. Drain the gearbox oil.

3. Disconnect the clutch cable from the actuating lever.

4. Remove the two nuts and four recessed screws that secure the gearbox outer cover. Remove the kick-starter.

5. Hold the gearshift lever in one hand, then tap the cover with a soft-faced mallet until it is free to be removed.

6. Unscrew the two nuts inside the gearbox outer cover and remove the shifter return springs complete with the thrust buttons and distance pieces.



Clutch operating mechanism

7. Unscrew the countersunk screw that secures the clutch operating mechanism and withdraw the assembly.

8. Remove the shifter lever pinch bolt, remove the lever, and then withdraw the shaft from the cover.

9. Remove the cotter pin from the clutch operating shaft. This will release the clutch operating balls.

10. Remove the two cotter pins and disconnect the plungers and springs from the shifter quadrant.

11. If the shifter spindle bushing requires replacement, heat the outer cover to 100°C and drive it out with a suitable, shouldered drift. Drive in the new bushing before the cover has a chance to cool.



Clutch mechanism installed

Triumph Tiger 750 Model Tr7v Shop Manual

Causey Enterprises, LLC

A red circular graphic with a gradient, appearing as a partial circle or a stylized arrow pointing to the right, located to the right of the Causey Enterprises, LLC text.

Triumph Tiger 750 Model Tr7v Shop Manual:

Chilton's Motorcycle Repair Manual, 1976 **Triumph Workshop Manual for Bonneville 750 and Tiger 750 Unit Construction Twins**, 198? WALNECK'S CLASSIC CYCLE TRADER, NOVEMBER 1991 Causey Enterprises, LLC,
TRIUMPH 750cc TWINS 1973-1978 WORKSHOP MANUAL Floyd Clymer, 2024-03-14 222 pages and more than 200 illustrations and charts size 8 25 x 10 75 inches This publication is a reproduction of the 99 0983R revised 1979 edition of the May 1973 Triumph factory workshop manual It should be noted that the original May 1973 manual part number 99 0983 was also updated in 1978 using the same part number However the R suffix was added to the 1979 revision as it now included a December 1979 supplement 99 7140 for the 1979 and later T140E equipped with electronic ignition and the new Lucas RM24 alternator This manual is applicable to all 1973 to 1978 750cc UK General Export and USA twins including the T140V Bonneville T140RV Bonneville T140E Bonneville the TR7RV Tiger and the TR7V Tiger As noted previously the 11 page supplement extends the coverage to include the 1979 and later T140E models Unfortunately Triumph was already experiencing financial troubles and it is obvious that they were doing everything they could to cut costs Consequently the print quality of these later Triumph factory manuals was somewhat compromised by the re use of images and text from earlier manuals This re use is apparent in this manual as the quality of the images and the density of the text varies within the page and or from one page to another While we have done our best to normalize the print density there will still be variations that were just too difficult to correct Unfortunately owners of the 1973 to 1978 models are subjected to considerable confusion surrounding the appropriate selection of the multitude of originals and reprints of the various manuals that have recently flooded the marketplace We encourage you to exercise caution when purchasing a manual for your motorcycle or automobile as many of the reprints found on internet websites are from bedroom sellers at enticingly low prices by individuals that really have no idea what they are selling Many are nothing more than poor quality comb bound photocopies that are scanned and printed complete with greasy pages and thumbprints and as such are deceptively described as pre owned used or even refurbished In addition they are often advertised for the incorrect series and or model years Owners of the later 1979 to 1983 750cc machines are directed to workshop manual ISBN 9781588502902 which will also be of use to owners of the 1985 1988 T140 Devon Bonneville *Triumph TR7 Service and Repair Manual* John Harold Haynes, Peter Ward, 2014-06 This is one in a series of manuals for car or motorcycle owners Each book provides information on routine maintenance and servicing with tasks described and photographed in a step by step sequence so that even a novice can do the work **TRIUMPH 750cc TWINS 1979-1983 WORKSHOP MANUAL** Floyd Clymer, 2024-03-04 206 pages and more than 210 illustrations and charts size 8 25 x 10 75 inches This publication is a reproduction of the March 1984 second publication of the May 1982 Triumph factory workshop manual part number 99 7059 It also includes the May 1983 supplement 99 7089 for the 8 valve T140W TSS This manual is applicable to all 1979 to 1983 750cc UK General Export

and USA models including the T140E Bonneville T140E 2 Bonneville T140E S Electro Bonneville TR7 Tiger TR7T Tiger Trail and the 650cc TR65 Thunderbird 650 The supplement extends the coverage to include the 8 valve 1982 to 1983 750cc TSS and TSX models Obviously this manual will also be of use to owners of the 1985 1988 T140 Devon Bonneville Unfortunately Triumph was in deep financial trouble by mid 1982 and it is obvious that they were doing everything they could to cut costs Consequently the print quality of these later Triumph factory manuals was somewhat compromised by the re use of images and text from earlier manuals This re use is apparent in this manual as the quality of the images and the density of the text varies within the page and or from one page to another While we have done our best to normalize the print density there will still be variations that were just too difficult to correct Yet another issue associated with the mounting financial problems was the apparent scramble to introduce new models or variants of existing models in order to encourage buyers This resulted in a proliferation of model numbers a list of some but likely not all of those variants is included below 1979 T140E TR7V T140D 1980 T140ES 1981 T140PE TR7T TR65 650cc TS8 1 Royal Bonneville 1982 TSS TSX TR65T 1983 TSX8 TSX4 Thunderbird 600 Daytona 600 Consequently owners of the 1979 to 1983 models are subjected to considerable confusion surrounding the appropriate selection of the multitude of originals and reprints of the various manuals that have recently flooded the marketplace We encourage you to exercise caution when purchasing a manual for your motorcycle or automobile as many of the reprints found on internet websites are from bedroom sellers at enticingly low prices by individuals that really have no idea what they are selling Many are nothing more than poor quality comb bound photocopies that are scanned and printed complete with greasy pages and thumbprints and as such are deceptively described as pre owned used or even refurbished In addition they are often advertised for the incorrect series and or model years Owners of the 1973 to 1978 750cc machines are directed to workshop manual ISBN 9781588502919 Triumph 650 & 750 twins owners workshop manual Jeff Clew,1978 *Triumph 650 and 750 Twins Owners Workshop Manual* Jeff Clew,Chris Rogers,1981 HM Triumph Tiger 800/800XC 2010-2019 Editors of Haynes Manuals,2021-01-19 Every Haynes manual is written specifically for the do it yourselfer from hands on experience based on a vehicle teardown using commonly available tools Step by step procedures are linked to hundreds of easy to follow photos and illustrations The manual includes a troubleshooting section to help identify specific problems valuable short cuts to make the job easier and eliminate the need for special tools and an easy to use index Complete coverage for your Triumph Tiger 800 covering production years 2010 thru 2019 Routine Maintenance Tune up procedures Engine clutch and transmission repair Cooling system Fuel and exhaust Ignition and electrical systems Brakes wheels and tires Steering suspension and final drive Frame and bodywork Color Wiring diagrams With a Haynes manual you can do it yourself from simple maintenance to basic repairs Whether you re a beginner or a pro you can save big with Haynes Step by step procedures Easy to follow photos Comprehensive routine maintenance and fault diagnosis sections Detailed wiring diagrams Color spark plug diagnosis Models covered include Triumph Tiger 800 799cc 2010 2019 Triumph

Tiger 800 XR 799cc 2010 2019 Triumph Tiger 800 XRX 799cc 2010 2019 Triumph Tiger 800 XRT 799cc 2010 2019 Triumph Tiger 800 XC 799cc 2010 2019 Triumph Tiger 800 XCX 799cc Triumph Motorcycles 1937-1961 Single Cylinder Workshop Manual - All Models 1937-1945 Plus Terrier & Tiger Cub 1953-1961 ,2024-02-03 204 pages and more than 100 illustrations and charts size 5 5 x 8 5 inches Originally published under a similar title this publication is a faithful reproduction of the A St J Masters 1961 5th edition of the 1937 1961 Triumph Single Cylinder workshop manual published in the USA by Floyd Clymer under arrangement with the original publishers C Arthur Pearson Ltd of London UK There are very few workshop manuals that deal with the early single cylinder Triumph motorcycles This is likely due to the fact that in 1945 at the end of WW2 when Triumph resumed production of their civilian line of motorcycles they discontinued the manufacture of single cylinder machines From that point onwards they concentrated on their twin cylinder models and it was not until 1952 that Triumph announced another single the 150cc T15 Terrier SINGLE CYLINDER ALL MODELS 1937 1945 When this manual was originally published in 1949 its primary focus was on the 1937 to 1945 single cylinder motorcycles which included a war surplus market that was well stocked with ex military singles Models covered are 2H 2HC 3S 3SE 3SW 3H 3HW 5S 5SE 5SW 5H 6S T70 T80 T90 The bulk of these machines were based on a design that dates back to 1934 which also makes this manual of use to owners of those earlier Triumph singles TERRIER TIGER CUB 1953 1961 Ultimately the 1961 5th edition of this manual was revised and expanded to include the 1953 1961 Terrier and Tiger Cub models The information included is appropriate for all T15 T20 T20C T20S models fitted with an external distributor The engine section includes the 1960 change to energy transfer ignition plus the change at engine number 57617 when the split line between the main castings was moved to the center line of the cylinder Many Triumph enthusiasts consider that the external distributor Tiger Cub models brought the true Triumph single cylinder line to a conclusion This is further supported by the fact that the final workshop manual for the T15 T20 T20C T20S published under the Triumph name was the August 1964 manual No 8 part number 906 64 which only included the external distributor models In addition under BSA ownership the Tiger Cub engine had previously been utilized as the basis for the 1959 BSA C15 and ultimately by the BSA Bantam Cub series from 1966 onwards Unfortunately Triumph motorcycle owners are subjected to considerable confusion surrounding the appropriate selection from the multitude of originals and reprints of the various manuals that have recently flooded the online marketplace We encourage you to exercise caution when purchasing a manual for your motorcycle or automobile as many of the reprints found on internet websites are from bedroom sellers at enticingly low prices by individuals that really have no idea what they are selling Many are nothing more than poor quality comb bound photocopies that are scanned and printed complete with greasy pages and thumbprints and as such are deceptively described as pre owned used or even refurbished In addition they are often advertised for the incorrect series and or model years

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