

The TRIUMPH Corporation

SERVICE BULLETIN

June 1, 1964

1964 "B" RANGE 650cc TWIN MODELS

BULLETIN NO. 7

SUBJECT: Replacement Parts Catalog #2 for 1964 "B" Range Twins.

We list below important corrections that should be made in your book IMMEDIATELY.

This #2 Book covers 1964 Models. It can be used for 1963 Models, BUT a few parts such as forks, fenders, fender braces, carburetors, speedos, tachs, T120 cylinder head, etc., were changed from 1963 to 1964 and thus, for some 1963 parts you must refer back to your #1 Brown Parts Book (without pictures).

<u>Page No.</u>	<u>Ref. No.</u>	<u>Corrections</u>
6,7,8		Change cylinder bore dimension from 2.79 to 2.7953". Change 6T main jet from 230 to 270. Change tire size for T120 from 3.25x18 front to 3.25x19 and from 3.50x18 rear to 4.00x18.
9		We do not stock CP188 and CP102 valve spring carton packs. Order by individual part numbers shown.
10		Ditto for CP173 valve and CP97 valve guide carton packs.
13		Add CP201 Piston 11.2:1 C.R. for T120/TT Spec.
13		Add E5450 Engine sprocket 29T. Add E4912 Distance piece. Add E4913 Dowel. Add 54215824 Rotor. Above parts for T120/TT Spec. with E.T.Ignition.
13	35	E4819 Inlet camshaft is racing type (same grind as E3134).
13	36	E4855 Exhaust cam is a "Sports" type (same grind as E3325).
13		Add E5047 Racing exhaust camshaft (same grind as E3134).
15	13	Note that rear chain oiler can be "plugged" by fitting Blanking screw H689 in place of Jet E3885.
19	13	E3310 Inlet valve has 1-1/2" head diameter. (6T and TR6 Models)
19	14	E3927 Exhaust valve has 1-11/32" head diameter.
21	18	E4603 Inlet valve has 1-19/32" head diameter. (1964 T120)
21	19	E2904 Exhaust valve has 1-7/16" head diameter.
21		Add E3310/8KE Special over-size inlet valve 1-5/8" dia. This valve can sometimes be used when there is sufficient insert size in original head.

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Corrections

Add the following parts for T120/TT Special:

- 21 9 E5727 cylinder head.
- 21 12 E5351 left carb. adaptor.
- 21 13 E5352 right carb. adaptor.

NOTE: These carburetor adaptors have 1-3/8" threads and will NOT fit 1963 and earlier T120 cylinder heads with 1-1/4" threads.

- 23 4 Two oil seals E4568 are fitted to timing cover. One with circlip fits end of crankshaft and retains oil pressure. Lip of this seal must face outward away from the main bearing. Lip of seal fitted behind contact breaker points must face inward toward the camshaft.

23 For T120/TT Spec. with "A.C.Ignition" add the following part numbers:

<u>Ref.No.</u>	<u>Part Number</u>	<u>Description</u>
11	47602	Contact Breaker Assembly
12	54441582	Condensers
13	54415473	Cam
14	54415641	Spring Set
15	425359	Weight
16	54415747	Sleeve & Action Plate
29	45149	E.T.Coil
41	F1756	Coil Bolt

- 23 46 Use Sparky D105T in place of D297 and D262.
- 27 All gears shown are Standard Ratio. For Wide Ratio and Close Ratio conditions refer to Service Bulletin Index No. 62/4 for correct part numbers.
- 27 Add T1227 Speedo drive blanking nut (used when speedo cable is removed).
- 31 14 Add alternative clutch plates T1885, T414AT and T1362AT. These "heavy duty" plates can be used in place of standard T1362.
- 33 13 Change E4145 to E4148 Trunnion.
- 33 18 Change 47164 to 47162 Medium Out-put Stator. This is the stator we recommend and is fitted to all 1963 and 1964 "B" Range Models except T120/TT Spec. The 47164 stator is a "High Out-put" type and is not recommended for general use.

We also offer the following two additional stators that should be added:

- 47183 "Low Out-put" stator.
- 47188 E.T.Ignition stator (T120/TT Spec.)

- 35 11 Change F4712 to F5786 Prop stand.
- 37 15 The 6T Suspension unit 64054506 is NOT fitted to T120 Models.
- 37 15 The TR6 Suspension unit 64054164 is fitted to the T120/R, T120/C and T120/TT Spec.
- 37 20 The 6T - 145# Spring SA253/5 is NOT fitted to the T120 Model.

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37	20	The 100# Spring 9054/280 is fitted to T120/R, T120/C and T120/TT Spec.
37	43	Change 31437 to 31383 Stop light switch.
37		Add part No. 64054164 damper unit <u>only</u> , fits all models except 6T.
38	19	Picture shown is not correct. Our current footrest rubber NF704 is the round type same as in the past.
41	1	Exhaust pipes and mufflers shown in pictures on page 40 are the down-swept condition for 1964 - 6T, T120/R and TR6/R Models. If you require up-swept pipes for TR6/C, T120/C and T120/TT Spec. be sure to order part numbers shown in U.S.A. Supplement. No change in part numbers of exhaust pipes and mufflers between 1963 and 1964.
41	14	Note that the same muffler E4949 is fitted for both right and left hand side and you can always change a right hand muffler to left hand by simply turning the bracket over and bolting it on the other way.
43	20	Felt washer T1071, or cork-synthetic washer F4047 can be used to replace H1756.
43	13	H1708 is a Special countersunk washer and should always be fitted between the handlebar eye bolt and the bonded rubber bush. The countersunk side of this washer must face upward against the shoulder of the eye bolt. This washer is furnished with every eye bolt shipped from Triumph Corp. Never install the handlebar eye bolt without fitting this special washer.
43	23	Solo fork spring H1660 can be replaced by domestic type H1660TH which is slightly stiffer than solo but not as heavy as the sidecar type.
45	14	Change 516812 to 516798 Light unit.
45	19	Change 414 to 446 Head light bulb. This is 12 volt bulb for 6T Model only.
45	23	Add part number 54336177 Nut used for mounting switch body to panel.
45	26	Add part number 180316 Nut used for mounting switch body to panel.
47	1	Add H1716 Fork assembly for TT Special Model. Refer to U.S.A. Supplement for part numbers covering fork hydraulic damper parts fitted to the T120/TT Spec. fork assembly.
47	8	Add part number H1287 Top lug assembly for T120/TT Spec. fork.
47	13	See note under page 43.
47	20	See note under page 43.

The Hydraulic damper kit fitted to all 1964 - T120/TT Spec. Models can be fitted to 1964 "B" & "C" Range Twin Models. When adding this kit order the following parts:

2	H1758A	Hydraulic damper assembly	\$7.88 A each
2	H1762	Top fork tube nut	\$1.76 A each

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Corrections

- 49 1 W1399 Front wheel for 6T Model is 18" size and is NOT fitted to T120.
- 49 1 W1323 Front wheel assembly is 19" size fitted to all TR6 and T120 Models.
When ordering front wheel, rim or spokes for T120 always order 19" size (same as TR6).
- 51 1 W1469 Rear wheel complete is NOT fitted to T120.
- 51 1 W1491 Rear wheel complete is fitted to T120.
When ordering rear wheel or rim for T120 always order WM3-18 type (same as TR6).
- 51 31 Change W1487 to W1085 Brake cam lever.
- 51 33 Change W1488 to W1090 Lever return spring.
- 53 We suggest you cross this page out altogether to avoid a possible error in ordering quick detachable wheel parts that are never used as original equipment.
- 55 1-11 These eleven parts are fitted ONLY to the 6T Model which has the five gallon tank. None of these parts are fitted to TR6 and T120 Models except the Styling screws F4129.
- 55 12-25 All fourteen of these parts are used with the three gallon Sports gas tank F5416 and are fitted to all TR6 and T120 Models.
When ordering Knee pads, Styling units, Gas tanks, etc., for Bonneville and TR6 ALWAYS make certain that you are ordering the parts that fit the small Sports gas tank F5416.
- 55 39 Add part numbers F3026 Screw plug to replace standard Grid screw when the package grid is removed.
- 59 23 Change part number F5334 to F5693 Air filter (with paper element. Fits 1-1/16" carbs.).
- 59 24 Change part number F4811 to F5694 Paper type element. Cross out word "felt".
- 59 21 Add note "F5958 Adaptor sleeve fits 1-1/8" & 1-3/16" carbs".
- 59 23 Change part number F5956 to F5957 Air filter. (with paper element. Fits 1-1/8" carbs.)
- 59 24 Change part number from F5764 to F5694 Paper type element. Cross out words "coarse felt".
Add part number F4812 Adaptor sleeve (similar to F5958 (ref.#21) except this adaptor sleeve fits 1-1/16" carburetor).
- 63 Front fenders shown on this page will not fit 1963 or earlier Models due to change in the center bridge location to fit the 1964 forks with outside springs. If you are ordering front fenders for a 1963 "B" Range Model we suggest that you use your #1 Brown Book or #16 Blue Book for 1962.

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Corrections

63 1 Change part number H1689 to H1691 Silver front fender (undrilled). This is the valenced type fitted to early 1964 - 6T Models.

For later production 6T order the small front fender H1677 and braces as fitted to TR6 and T120 Models.

63 8 Change part number H1675 to H1677 Mudguard blade.

63 21 Change part number H1482 to H1678 Bottom stay.

Refer to Supplement for U.S.A. Models page 3 which shows the correct numbers for Polished alloy fenders and the special bracket and bottom stay fitted to front fender of TR6/C, T120/C and T120/TT Spec.

SPECIAL NOTE: When ordering Fenders and Gas Tanks ALWAYS specify the color, year and model required.

65 1 H1484 is the English handlebar and is NOT fitted to any of our "B" Range Models as original equipment, although we do stock it.

American Handlebars and Controls are shown on page 67.

65 13 18/995 Front brake lever assembly (no ball end) is NOT fitted to T120.

65 & 32 22 Change part number 18/880 to 18/872T Barrel nipple.

65 23 18/996 Clutch lever assembly (no ball end) is NOT fitted to T120 Model.

67 5 Change part number D416 Front brake cable to D330T.

67 5 Change part number D417 Front brake cable to D330T.

67 16-19 Omit these four Throttle cable items. NOT fitted to U.S.A. T120.

67 16 Omit D515 Throttle cable. Cable with junction box NOT fitted to T120. Refer to U.S.A. Supplement for correct throttle cable D528T.

69 32 Change part number D527 to CD367 Fork Wrench for chrome sleeve nut.

71 & 73 1 Use the following part numbers for original equipment carburetors.

<u>Part No.</u>	<u>Size</u>	<u>Model</u>	<u>Main Jet</u>	<u>Throttle Slide</u>	<u>Idle Jet</u>
376/309	1-1/16	6T	270	#4	#25
389/97	1-1/8	TR6	310	#3½	#25
389/203	1-1/8	T120/R & C	260	#3	#20
389/95	1-3/16	T120/TT	330	#4	#25

73 47 Add E4918 Insulating block for T120/TT Spec.

73 48 Add part number E4919 Joint washer for T120/TT Spec.

75 1 Add part number 54521793 Chrome head light shell only for TR6 & T120.

75 15 Add part number 54934830 Wiring harness for T120/TT Spec.

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75		Add 54935477 Battery lead with fuse.
75		Add 54935476 Battery lead without fuse.
75		Add CD392 American replacement fuse 30 amp. fuse size.
77	1	Omit alternative speedometers that show KPH. (Kilometers) Not available.
77	12	H1668 Bracket for single instrument only. (TR6/C, T120/C & T120TT Spec.)
77	39	H1596 Mounting Bracket for double instruments, tachometer and speedometer.
77		Add D542W Inner speedo cable 6T Model.
77		Add D543W Inner speedo cable T120 and TR6 Models.
77		Add D529W Inner tachometer cable.

Add the following notations to your U.S.A. Supplement for #2 Parts Book.

<u>Page No.</u>	<u>Figure</u>	<u>Corrections</u>
1	8	Note that item 3 through item 14 are Wide Ratio gears fitted to 1964 TR6/C Model only.
		Note that item #21 covers five different gearbox sprockets from 15T through 19T. These sprockets will only fit 1964 Models which have mainshaft high gear T1912. These sprockets are NOT interchangeable with the early type gearbox sprockets fitted from 1950 through 1963 (the size of the spline on the high gear was changed for 1964). For further details and prices refer to your latest Tri-Cor Accessory Catalog, Miscellaneous page showing rocker box covers, sprockets, etc.
2	18	Item #42. The eight items beginning with #42 can be ordered as an assembly by specifying part number H1758A Hydraulic damper assembly. This damper kit was only fitted to our 1964 T120/TT Spec. Models and will NOT fit 1963 or earlier Triumph forks.
2	24	E5262 is the Double air cleaner assembly fitted as original equipment to 1964 - T120 Twin carburetor models. Order CD361 Air cleaner kit complete with all fittings and two Adaptors (E4576) to fit 1963 T120 with 1-1/16" carburetors.
3	24	Add part number 376/410 Banjo 55°. This banjo is included in CD361 Kit and is required when fitting E5262 Air cleaner assembly to a 1963 model.
4	28	Change part number D417 to D330T Front brake cable.
4	31	Change part number E4949 to E4919 Joint washer.