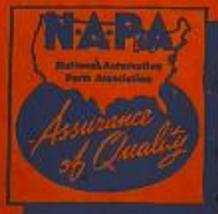


**MONMOUTH
PRODUCTS**

**CLUTCH
RECONDITIONING
MANUAL**

1941-42

FOR USE WITH THE MONMOUTH CLUTCH RECONDITIONING MACHINE



CA-619

B & B Type 10A1
 No. 3005 Spacer Plate
 Any Distance Blocks (On cover flange)
 "A" Indicator Height Sleeve
 Instructions, Manual, Sect. 3, Page 31-32

1	PL16	Pressure Plate
6	PT107	Pressure Spring (160-180 Lbs. at 1½")
3	PT116	Release Lever
3	PT130	Anti-rattle Spring
3	PT136	Eyebolt and Pin Assembly
3	PT137	Eyebolt Nut

CA-626

B & B Type 10Q
 Instructions, Manual, Sect. 3, Pages 37A-38

1	PL6	Pressure Plate (except where flywheel is 1¾" deep)
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CA-630

B & B Type 10A1
 No. 3005 Spacer Plate
 Any Distance Blocks (On cover flange)
 "A" Indicator Height Sleeve
 Instructions, Manual, Sect. 3, Page 31-32

1	PL16	Pressure Plate
3	PT116	Release Lever
9	PT107	Pressure Spring (160-180 Lbs. at 1½")
3	PT130	Anti-rattle Spring
3	PT136	Eyebolt and Pin Assembly
3	PT137	Eyebolt Nut

CA-640-641-643-644

B & B Type 10QL
 Instructions, Manual, Sect. 3, Pages 37A-38

1	PL6	Pressure Plate (except where flywheel is 1¾" deep)
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CA-660-661-662

B & B Type 11Q
 Instructions, Manual, Sect. 3, Pages 37A-38

1	PL5	Pressure Plate
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CA-670

B & B Type 11A1
 No. 3005 Spacer Plate
 Any Distance Blocks (On cover flange)
 "A" Indicator Height Sleeve
 Instructions, Manual, Sect. 3, Page 31-32

1	PL48	Pressure Plate
12	PT107	Pressure Spring (160-180 Lbs. at 1½")
4	PT116	Release Lever
4	PT130	Anti-rattle Spring
4	PT137	Eyebolt Nut

CA-671

B & B Type 11A1
 No. 3005 Spacer Plate
 Any Distance Blocks (On cover flange)
 "A" Indicator Height Sleeve
 Instructions, Manual, Sect. 3, Page 31-32

1	PL48	Pressure Plate
12	PT562	Pressure Spring (150-160 Lbs. at 1½")
4	PT116	Release Lever
4	PT130	Anti-rattle Spring
4	PT137	Eyebolt Nut

CA-673

B & B Type 11A1
 No. 3005 Spacer Plate
 Any Distance Blocks (On cover flange)
 "A" Indicator Height Sleeve
 Instructions, Manual, Sect. 3, Page 31-32

1	PL48	Pressure Plate
12	PT107	Pressure Spring (160-180 Lbs. at 1½")
4	PT116	Release Lever
4	PT130	Anti-rattle Spring
4	PT137	Eyebolt Nut

CA-682-683-685-686-690-691

B & B Type 11QL
 Instructions, Manual, Sect. 3, Pages 37A-38

1	PL5	Pressure Plate
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CA-740-741-743-744-745-746

B & B Type 12Q & 12QL
 Instructions, Manual, Sect. 3, Pages 37A-38

1	PL5	Pressure Plate
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CA-850

(Same as Cover Assembly CA-860)

CA-851

B & B Type 10A3
 No. 3005 Spacer Plate
 Any Distance Blocks (On cover flange)
 "A" Indicator Height Sleeve
 Instructions, Manual, Sect. 3, Page 33

1	PL113	Pressure Plate
3	PT107	Pressure Spring (160-180 Lbs. as 1½")
6	PT562	Pressure Spring (150-160 Lbs. at 1½")
3	PT559	Release Lever
3	PT395	Eyebolt
3	PT136B	Eyebolt Pin
3	PT137	Eyebolt Nut
3	PT397	Release Lever Strut
3	PT130	Anti-rattle Spring

CA-852

B & B Type 11A3
 No. 3005 Spacer Plate
 Any Distance Blocks (On cover flange)
 "A" Indicator Height Sleeve
 Instructions, Manual, Sect. 3, Page 33

1	PL76	Pressure Plate
12	PT562	Pressure Spring (150-160 Lbs. at 1½")
4	PT559	Release Lever
4	PT410	Eyebolt
4	PT136B	Eyebolt Pin
4	PT137	Eyebolt Nut
4	PT397	Release Lever Strut
4	PT130	Anti-rattle Spring

CA-853

B & B Type 9A3
 No. 3005 Spacer Plate
 Any Distance Blocks (On cover flange)
 "A" Indicator Height Sleeve
 Instructions, Manual, Sect. 3, Page 33

1	PL74	Pressure Plate
1	PT488	Clutch Cover
6	PT111	Pressure Spring (200-220 Lbs. at 1½")
3	PT555	Release Lever
3	PT395	Eyebolt
3	PT136B	Eyebolt Pin
3	PT137	Eyebolt Nut
3	PT130	Anti-rattle Spring
3	PT397	Release Lever Strut

PRESSURE PLATE DATA

Dimensions Given Are For Monmouth Plates

Monmouth Number	Type (See Page 15A)	Dimension H	Inside Diam.	Outside Diam.
PL-1	12	3/4"	5 31/32"	8 15/16"
PL-2	12	1 1/8"	6 5/8"	9 15/16"
PL-3	12	1 1/4"	6 3/4"	10 15/16"
PL-4	7	1.390"	5 13/32"	8 31/32"
PL-5	12	1 1/8"	6 11/16"	10 15/16"
PL-6	12	1 1/8"	6 11/16"	9 15/16"
PL-7	1	1.342"	5 3/4"	10 15/16"
PL-9	12	3/4"	4 31/32"	7 15/16"
PL-10	1	1.044"	5 17/32"	10 13/32"
PL-11	1	1.044"	5 1/2"	10 3/32"
PL-12	4	1.785"	5 21/32"	8 23/32"
PL-13	4	1.565"	5 3/8"	9 23/32"
PL-14	4	1.903"	6 19/32"	9 23/32"
PL-15	2	1.403"	5 5/8"	9"
PL-16	2	1.468"	5 15/8"	10 1/16"
PL-17	4	1.903"	5 25/32"	9 23/32"
PL-18	5	.505"	5 1/4"	11 3/4"
PL-19	5	.505"	6"	12 31/32"
PL-20	5	.750"	5 31/32"	11 3/32"
PL-21	5	.635"	5"	9 3/8"
PL-23	5	.429"	5 1/16"	10 23/32"
PL-24	5	.505"	5 1/4"	11 23/32"
PL-25	3	1.269"	5 1/16"	8 23/32"
PL-26X	5	.564"	5 3/8"	10 1/16"
PL-27	1	1.342"	5 3/4"	10 13/16"
PL-28	1	1.044"	5 1/2"	10 15/16"
PL-30	4	1.476"	6 5/16"	11 3/8"
PL-32	3	1.182"	6 3/32"	10"
PL-33	1	1.158"	6"	9 1/2"
PL-34	3	.888"	6 5/8"	10 3/16"
PL-36	1	1.153"	5 7/8"	10 7/8"
PL-37	1	1.059"	7 11/32"	12 3/32"
PL-38	3	1.337"	5 3/8"	10 19/32"
PL-39	1	1.153"	6"	over lugs
PL-40	6	1.695"	5 9/16"	10 15/32"
PL-41	3	1.054"	6 19/32"	8 15/16"
PL-42	7	1.390"	6 1/16"	10"
PL-43	7	1.390"	6 1/16"	9 15/16"
PL-44	7	1.460"	6 3/4"	10 31/32"
PL-47	1	1.285"	5 17/32"	8 23/32"
PL-48	1	1.285"	5 1/2"	9 1/16"
PL-49	2	1.503"	5 29/32"	over lugs
PL-50	3	1.138"	4 3/4"	11 1/16"
PL-51	5	.559"	6"	9 13/32"
PL-53	5	.453"	6"	12 3/32"
CPL-54	5	.497"	6 1/4"	12 3/32"
CPL-55	5	.425"	6 1/4"	11 19/32"
PL-56	5	.453"	5 1/16"	11 3/32"
PL-58	1	1.938"	6 3/32"	10 3/4"
PL-59	1	1.938"	5 3/4"	10 1/4"
PL-61	3	1.138"	5 3/32"	10 23/32"
CPL-62	5	.432"	6"	10 23/32"
PL-63	9	H-1.005" A-.423" B-.785"	6"	12 31/32"
PL-64	5	.674"	6 1/4"	11 3/32"
PL-65	5	.750"	6"	11 3/4"
PL-66	5	.750"	6"	12 21/32"
PL-67	5	.750"	6 3/2"	11 3/2"

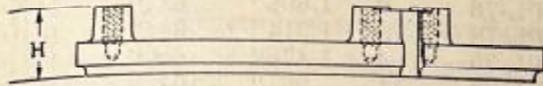
Dimensions Given Are For Monmouth Plates

Monmouth Number	Type (See Page 15A)	Dimension H	Inside Diam.	Outside Diam.
CPL-66	10	.425"	6 1/4"	12 1/2"
CPL-67	5	.625"	6"	13 1/2"
PL-68	5	.735"	6 1/16"	12 1/8"
PL-69	5	.685"	6 1/16"	12 1/8"
PL-70	5	.750"	5 1/16"	11 3/16"
CPL-71	5	.625"	5 1/16"	12 3/16"
PL-72	3	1.138"	5 1/16"	11 1/8"
PL-73	3	1.138"	4 3/4"	12 1/8"
PL-74	2	1.544"	5 5/8"	9 5/8"
PL-75	2	1.605"	5 5/8"	10 3/16"
PL-76	2	1.605"	5 23/32"	9"
PL-78	3	1.214"	6 1/8"	9 1/16"
PL-79	4	1.476"	6 3/4"	11 1/16"
PL-80	11	.267"	6 5/16"	10 21/32"
PL-81	5	.750"	10 7/8"	11 3/8"
PL-82	4	.935"	6 11/16"	18 1/8"
PL-83	3	1.187"	5 5/8"	10 7/8"
PL-84	7	1.390"	(Some 6 1/8")	8 23/32"
CPL-85	5	.425"	5"	10"
CPL-86	5	.625"	6 1/16"	7 3/16"
PL-87	3	.931"	6"	12 3/16"
PL-88	3	1.118"	5 21/32"	12 3/16"
PL-89	2	1.543"	6 3/8"	9 1/8"
PL-90	2	1.872"	5 23/32"	11 1/16"
PL-91	2	1.637"	5 3/4"	9 1/4"
PL-92	4	1.187"	6 3/32"	9 15/16"
PL-94	3	1.118"	6"	11 1/16"
PL-95	3	.839"	5 15/16"	10"
PL-96	3	.839"	5 3/8"	10 1/16"
PL-97	7	1.390"	5 7/8"	9 1/32"
PL-98	1	1.342"	5"	9 1/16"
PL-99	7	1.390"	5 25/32"	7 3/16"
PL-100	1	1.938"	5 9/16"	10 42/32"
PL-101	3	1.321"	5 9/16"	8 23/32"
PL-102	5	.750"	5 9/16"	10 1/4"
PL-103	2	1.605"	6 3/32"	10 1/4"
PL-104	2	1.605"	5 15/16"	10 1/16"
PL-105	4	1 1/16"	5 15/16"	10 1/16"
PL-106	3	.956"	5 3/8"	8 11/16"
PL-107	3	.931"	5 5/8"	8 11/16"
PL-108	3	1.122"	5 21/32"	9 9/16"
PL-109	8	1.100"	5 21/32"	9 5/16"
PL-110	8	1.100"	6 1/4"	10 31/32"
PL-111	3	1.187"	6 1/4"	9"
PL-112	2	1.543"	5 23/32"	11 1/2"
PL-113	2	1.605"	5 1/2"	10"
PL-114	2	1.635"	5 1/2"	9 1/4"
PL-115	8	1.100"	5 1/2"	10 1/16"
PL-116	8	1.100"	6 1/4"	11 1/2"
PL-117	2	1.635"	6 1/4"	over lugs
PL-118	3	1.145"	5 1/2"	11 1/2"
PL-119	8	1.125"	5 15/16"	10 1/16"
PL-120	8	1.075"	5 15/16"	10"
PL-121	8	1 1/2"	5 21/32"	10"
PL-122	2	1.545"	6 1/2"	over lugs
			5 5/8"	10 1/16"
				9 1/4"

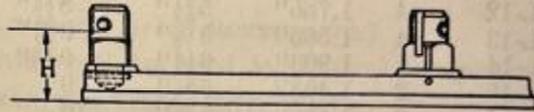
CLUTCH PRESSURE PLATE DIMENSION AND INTERCHANGE CHART

THICKNESS DIMENSIONS HERE SHOWN ARE FOR PRESSURE PLATES
WHICH HAVE NOT BEEN REGROUND

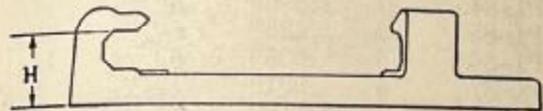
CLUTCH ADJUSTMENTS GIVEN IN THIS CLUTCH RECONDITIONING
MANUAL ARE FOR COVER ASSEMBLIES IN WHICH PRESSURE
PLATES HAVING FULL ORIGINAL THICKNESS ARE USED.



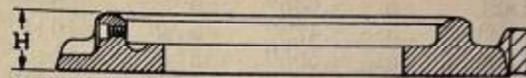
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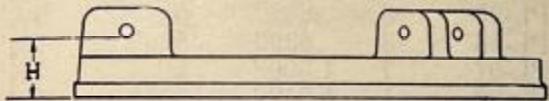
TYPE 7



TYPE 2



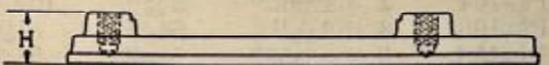
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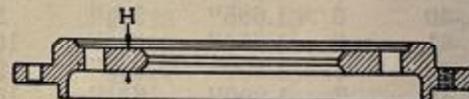
TYPE 3



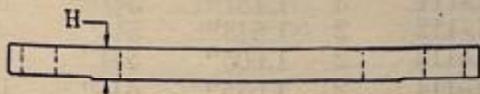
TYPE 9



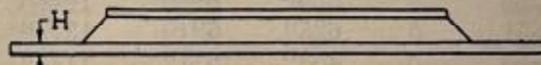
TYPE 4



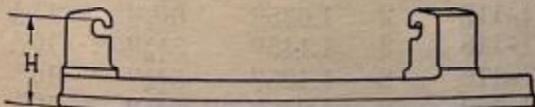
TYPE 10



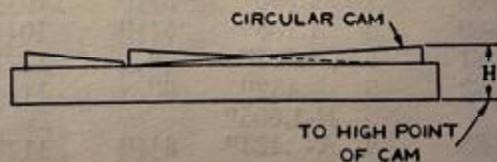
TYPE 5



TYPE 11



TYPE 6

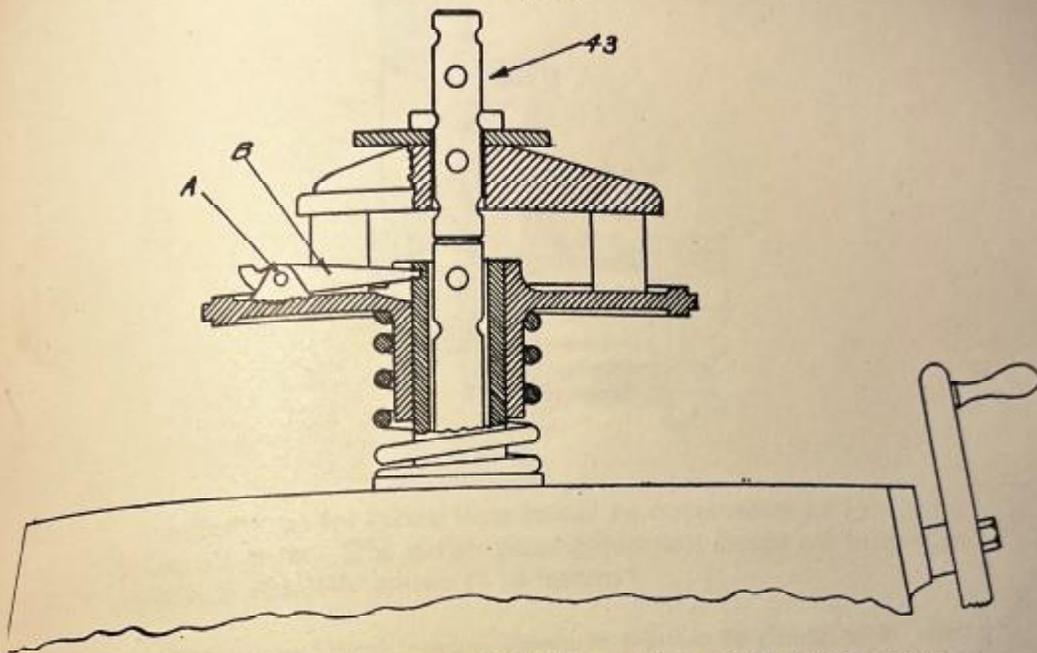


TYPE 12

(Turn page for Dimensions)

BORG & BECK Q AND QL TYPES
(Type letter usually shown on cover.)

Fig. 22



1. Place clutch assembly on Rebuilder as shown with spindle extension "43" in place. (See Fig. 22).

2. Use 3 red sleeves between pull down plate and clutch cover. Mark position of each lever if they are to be used again. Compress clutch, remove lever pins "A" and levers "B." Release assembly.

Reassemble in same manner.

The Q and QL types are adjusted for proper release after assembling in flywheel.

See Fig. 23 for clutch setting.

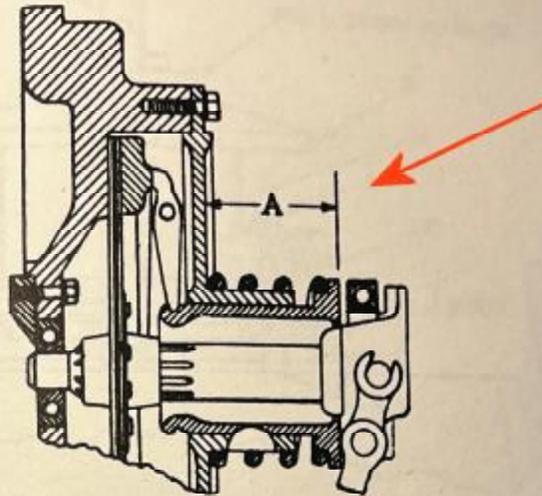
ASSEMBLY NUMBERS FOR EACH TYPE

8Q	460
9Q	521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532
10Q	620, 621, 622, 623, 624, 625, 626
11Q	660, 661, 662, 664, 665
12Q	760
13Q	800, 802, 803, 804, 805, 806
14Q	840, 841, 842
9QL	540, 541, 542, 543, 544
10QL	640, 641, 642, 643, 644, 645
11QL	680, 681, 682, 683, 684, 685, 686, 688, 689, 690, 691
12QL	740, 741, 742, 743, 744, 745



BORG & BECK Q AND QL TYPES

Fig. 23



Adjustment for facing wear should be compensated for by rotating the clutch cover. The clutch pedal adjustment should not be changed unless it is definitely known to be incorrect.

Position of clutch release sleeve in relation to clutch cover, when installing and adjusting this type of adjustable clutch, as used by Oldsmobile, Overland, Reo, Nash, Hupmobile, Stutz, Peerless, Willys Knight and others.

Measurement A in above illustration should be as follows for each type:

8Q	$1\frac{1}{8}$ "
9Q	$1\frac{1}{8}$ "
9Q	Hupmobile 1"
9Q	Federal 1"
10Q	$1\frac{5}{16}$ "
11Q	$1\frac{5}{16}$ "
13Q	$1\frac{5}{16}$ "
14Q	$1\frac{11}{16}$ "
9QL	$2\frac{3}{16}$ "
10QL	$2\frac{3}{8}$ "
11QL	$2\frac{3}{8}$ "
12QL	$2\frac{3}{8}$ "

