

Carbon Brush Reference Guide

Since brush size, structure and composition are critical for optimum performance, use exact replacements only.

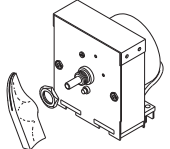
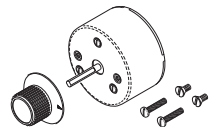
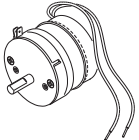
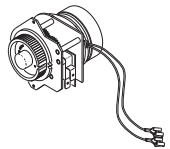
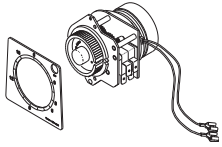
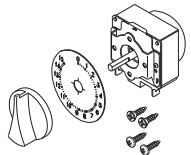
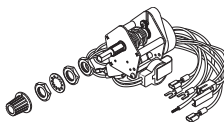
Brushes warranted only for applications indicated in RPI catalog.


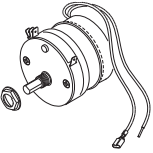
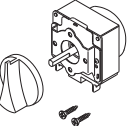
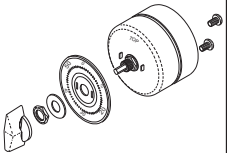
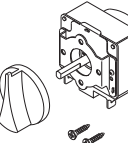
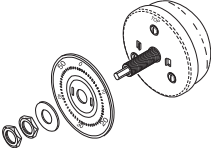
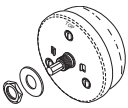
This chart is sorted by brush size.

| RPI PART# | SIZE | RADIUS/BEVEL | SPRING LG. | SHUNT | END CAP | NOTES |
|-----------|---------------------------|--------------|------------|-------|--------------------|---|
| RCB603 | .093" x .250" x .500" | 25° | None | None | None | |
| BDB002 | .125" x .250" x .690" | None | 1.28" | None | None | |
| RCB604 | .128" x .256" x .531" | 30° | None | None | None | |
| CAB021 | .185" x .185" x .562" | .437" R | .62" | .62" | .28" dia. | |
| CAB083 | .187" dia x.187" w/Flange | .140" R | None | None | None | Bullet Style |
| STB002 | .187" x .187" x .437" | None | .94" | None | None | |
| CAB023 | .187" x .187" x .560" | .750" R | 1.25" | 1.25" | .17" O.D. | |
| BDB001 | .187" x .250" x .660" | None | 1.00" | 1.00" | None | |
| IEB015 | .187" x .375" x .945" | .750" R | 1.17" | 1.17" | .46" dia. | |
| IEB010 | .188" x .625" x .937" | .625" R@5° | 1.13" | 1.13" | .56" dia. | |
| BAB002 | .196" x .236" x .469" | .562" R | 1.13" | None | None | |
| BAB004 | .196" x .236" x .568" | .500" R | 1.75" | 1.03" | .19" O.D. | |
| IEB008 | .218" x .312" x .560" | .437" R | .99" | .99" | .32" x .39" dia. | |
| SRB005 | .248" x .996" x 1.250" | 1.000" R@20° | None | 2.88" | None | #10 Spade Terminal Black Fiberglass Sleeving |
| BKB003 | .249" x .375" x .797" | .719" R | 1.17" | 1.17" | .37" x .46" dia. | |
| CAB022 | .250" x .250" x .450" | .625" R | .75" | .75" | .16" x .24" dia. | |
| BKB006 | .250" x .250" x .500" | .438" R | .75" | .75" | .25" x .31" dia. | |
| CAB019 | .250" x .250" x .650" | 1.000" R | .75" | .75" | .31" dia. | |
| CAB020 | .250" x .250" x .650" | .750" R | 1.00" | 1.00" | .25" O.D. | |
| CAB018 | .250" x .250" x .657" | 1.000" R | .88" | .88" | .38" dia. | |
| EMB001 | .250" x .250" x .657" | .500" R | 1.25" | 1.25" | .31" dia. | |
| IEB024 | .250" x .250" x .660" | .660" R | .94" | .94" | .25" O.D. | |
| BKB005 | .250" x .250" x .750" | 1.000" R | .75" | .75" | .15" x .25" | |
| IEB007 | .250" x .250" x .800" | .375" R | 2.19" | None | None | |
| EPB003 | .250" x .312" x .675" | .500" R | .99" | .99" | .24" dia. | |
| EPB001 | .250" x .312" x .860" | .500" R | 1.32" | 1.32" | .25" dia. | |
| EPB002 | .250" x .312" x .860" | .500" R | 1.27" | 1.27" | .24" dia. | |
| IEB014 | .250" x .375" x .750" | .875" R | 1.35" | 1.35" | .37" x .47" dia. | |
| DRB001 | .250" x .375" x .817" | .625" R | 1.25" | 1.25" | .34" x .44" dia. | |
| BKB004 | .250" x .375" X .875" | 1.000" R | 1.25" | 1.25" | .37" x .42" dia. | |
| IEB013 | .250" x .437" x .687" | .750" R | 1.13" | 1.13" | .38" x .42" dia. | Split Brush |
| SRB002 | .250" x .437" x .720" | .844" R | .98" | .98" | .37" x .42" dia. | |
| SRB001 | .250" x .500" x .845" | .875" R | 1.06" | 1.06" | .50" x .60" dia. | |
| IEB009 | .250" x .625" x .990" | 1.000" R | 1.13" | 1.13" | .62" x .66" dia. | |
| IEB011 | .250" x .625" x 1.000" | 1.000" R | 1.38" | 1.38" | .62" x .66" dia. | |
| SRB003 | .250" x 1.208" x 1.250" | 1.000" R@20° | None | 2.88" | None | #10 Spade Terminal Red Fiberglass Sleeving |
| IEB012 | .250" x 1.250" x 1.125" | 1.125" R@5° | 1.25" | 1.25" | 1.23" x 1.25" dia. | |
| BAB003 | .252" x .315" x .898" | .562" R | 1.75" | None | None | |
| BAB001 | .252" x .390" x .866" | .937" R | None | 2.13" | None | 1/4" Quick Disconnect Flag With Interrupter |
| BAB005 | .252" x .390" x .866" | .937" R | None | 1.88" | None | 1/4" Quick Disconnect Flag With Interrupter |
| BAB006 | .252" x .392" x .875" | .937" R | None | 1.69" | None | 1/4" Quick Disconnect Flag |
| BAB007 | .252" x .394" x .875" | .750" R | 2.63" | 1.94" | .33" O.D. | With Interrupter |
| CAB017 | .281" x .281" x .670" | .500" R | 1.13" | 1.13" | .28" x .39" dia. | |
| BAB008 | .315" x .787" x .984" | None | None | 3.88" | None | 1/4" Spade, Split Brush Red Top Pad, Sensor Wire |
| SRB004 | .343" x .750" x .990" | .750" R | 1.56" | 1.56" | .74" x .82" dia. | Split Brush, Plastic Cap & Sensor Wire with Connector |

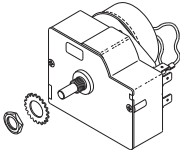
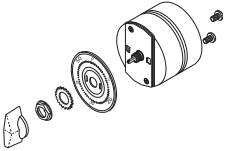
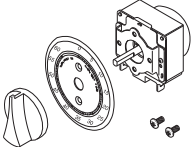
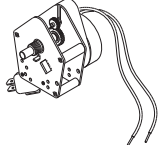
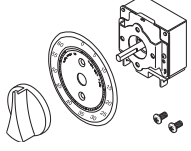
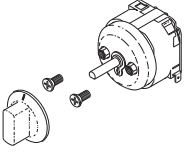
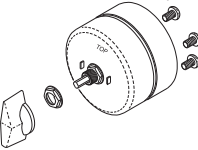
Call Us Toll-Free Monday–Friday, 8:00 AM–4:30 PM (Pacific Time), (800) 221-9723

TIME SWITCH & TIMER REFERENCE GUIDE

| RPI PART # | TIME | MOTOR SPECS | SWITCH SPECS | ALERT | MOUNT | SHAFT | DIMENSIONS | |
|------------|---------|--|--|--------|------------------------------------|--------------------------------------|--------------------------------|---|
| CAT071 | 3 min. | <ul style="list-style-type: none"> • 120VAC / 60HZ (CCW) • (2) each 1/4" Male Tab | <ul style="list-style-type: none"> • 15A @ 120 VAC SPST • (2) each 1/4" Male Tab | None | 3/8-32 x 3/16" lg. Bushing | 3/16" dia. x 7/16" lg. | 2-9/16" x 3-3/16" x 1-3/4" DP. |  |
| CAT045 | 5 min. | None | <ul style="list-style-type: none"> • 15A @ 120-240 VAC SPST • (2) each Terminal Screw | None | 2 Hole - #4-40 @ 1-1/8" apart | 3/16" dia. x 1-1/16" lg. Double Flat | 2-5/16" dia. x 1-1/4" DP. |  |
| CAT067 | 5 min. | <ul style="list-style-type: none"> • 115VAC / 60HZ (CCW) | <ul style="list-style-type: none"> • 15A @ 125-250 VAC SPST • (2) each 3/16" Male Tab | None | 2 Hole - #4-40 @ 1-1/8" apart | 1/4" dia. x 3/4" lg. with Flat | 2.0" dia. x 2.0" DP. |  |
| CAT066 | 15 min. | <ul style="list-style-type: none"> • 110VAC / 60HZ (CCW) • (2) each 1/4" Female Terminal | <ul style="list-style-type: none"> • (1) each SW = 15A @ 120-240 VAC SPST • 1/4" Male Tab | None | 2 Hole - #5-40 @ 3" apart | Push to Start | 3-1/4" x 2-7/8" x 2-7/16" DP. |  |
| CAT074 | 15 min. | <ul style="list-style-type: none"> • 110VAC / 60HZ (CCW) • (2) each 1/4" Female Terminal | <ul style="list-style-type: none"> • (2) each SW = 15A @ 120-240 VAC SPST • 1/4" Male Tab | None | 2 Hole - .140" dia. @ 2-1/2" apart | Push to Start | 3-1/4" x 2-7/8" x 2-7/16" DP. |  |
| IET019 | 15 min. | None | <ul style="list-style-type: none"> • 20A @ 125VAC / 10A @ 250VAC SPST • (2) each 1/4" Male Tab | Bell | 2 Hole - #6-32 @ 1-1/8" apart | 3/16" dia. x 11/16" lg. Double Flat | 1-7/8" x 1-7/8" x 1-1/2" DP. |  |
| MDT025 | 20 min. | <ul style="list-style-type: none"> • 115VAC / 60HZ (CCW) | <ul style="list-style-type: none"> • (3) each SW = 10A @ 120 VAC SPST | Buzzer | 3/8-32 x 1/2" lg. Bushing | 1/4" dia. x 9/16" lg. Double Flat | 3-1/8" x 3-1/2" x 2-5/8" DP. |  |

| RPI PART # | TIME | MOTOR SPECS | SWITCH SPECS | ALERT | MOUNT | SHAFT | DIMENSIONS | |
|------------|-------------------|---|--|-------|-------------------------------|-------------------------------------|------------------------------|---|
| BDT017 | 30 min. | None | None | Bell | 3/8-24 x 3/8" lg. Bushing | 1/4" dia. x 13/16" lg. with Flat | 2-11/16" dia. x 1-1/4" DP. |  |
| CAT062 | 30 min. | <ul style="list-style-type: none"> • 115VAC / 60HZ (CCW) • (1) each 3/16" Female Terminal | <ul style="list-style-type: none"> • 15A @ 125-250 VAC SPDT-DU • (4) each 3/16" Male Tab | None | 3/8-32 x 1/4" lg. Bushing | 1/4" dia. x 3/8" lg. with Flat | 2.0" dia. x 2.0" DP. |  |
| CAT104 | 30 min. | None | <ul style="list-style-type: none"> • 20A @ 125VAC / 10A @ 250VAC SPST • (2) each 1/4" Male Tab | Bell | 2 Hole - #6-32 @ 1-1/8" apart | 3/16" dia. x 11/16" lg. Double Flat | 1-7/8" x 1-7/8" x 1-1/2" DP. |  |
| AMT039 | 60 min. | None | <ul style="list-style-type: none"> • 20A @ 120-240 VAC SPST • (2) each Terminal Screw | Bell | 3/8-24 x 1/4" lg. Bushing | 3/16" dia. x 7/16" lg. Double Flat | 2-9/16" dia. x 1-3/4" DP. |  |
| HBT002 | 60 min. with hold | None | <ul style="list-style-type: none"> • 20A @ 125VAC / 10A @ 250VAC SPST • (2) each 1/4" Male Tab | Bell | 2 Hole - #6-32 @ 1-1/8" apart | 3/16" dia. x 11/16" lg. Double Flat | 1-7/8" x 1-7/8" x 1-1/2" DP. |  |
| MDT012 | 60 min. | None | None | Bell | 3/8-24 x 1.0" lg. Bushing | 3/16" dia. x 9/16" lg. Double Flat | 2-11/16" dia. x 1-1/4" DP. |  |
| PCT049 | 60 min. | None | None | Bell | 3/8-24 x 9/32" lg. Bushing | 1/4" dia. x 1/2" lg. with Flat | 2-11/16" dia. x 1-1/4" DP. |  |

TIME SWITCH & TIMER REFERENCE GUIDE

| RPI PART # | TIME | MOTOR SPECS | SWITCH SPECS | ALERT | MOUNT | SHAFT | DIMENSIONS | |
|------------|----------|--|---|-------|-------------------------------------|---|--|---|
| PCT081 | 60 min. | <ul style="list-style-type: none"> • 230VAC / 60HZ (CCW) • (2) each 1/4" Female Terminal | <ul style="list-style-type: none"> • 7.5A @ 250VAC / 15A @ 125 VAC DPDT • (4) each 1/4" Male Tab | None | 3/8-32 x 1/4" lg. Bushing | 1/4" dia. x 1/2" lg. | 3-3/16" x 2-5/8" x 2-7/16" DP. |  |
| RCT047 | 60 min. | None | <ul style="list-style-type: none"> • 20A @ 120-240 VAC SPST • (2) each Terminal Screw | None | 3/8-24 x 11/32" lg. Bushing | 3/16" dia. x 3/8" lg. Double Flat | 2-9/16" dia. x 1-9/16" DP. |  |
| RCT048 | 60 min. | None | <ul style="list-style-type: none"> • 20A @ 125VAC / 10A @ 250VAC SPST • (2) each 1/4" Male Tab | Bell | 2 Hole - #6-32 @ 1-1/8" apart | 3/16" dia. x 11/16" lg. Double Flat | 1-7/8" x 1-7/8" x 1-1/2" DP. |  |
| RCT049 | 60 min. | <ul style="list-style-type: none"> • 115VAC / 60HZ (CCW) | <ul style="list-style-type: none"> • 15A @ 120 VAC SPST • 1/4" Male Tab | None | 3/8-32 x 1/4" lg. Bushing | 1/4" dia. x 3/8" lg. | 2-1/4" x 3-1/8" x 1-13/16" DP. |  |
| RPT263 | 60 min. | None | <ul style="list-style-type: none"> • 20A @ 125VAC / 10A @ 250VAC SPST • (2) each 1/4" Male Tab | None | 2 Hole - #6-32 @ 1-1/8" apart | 3/16" dia. x 11/16" lg. Double Flat | 1-7/8" x 1-7/8" x 1-1/16" DP. |  |
| TUT008 | 60 min. | None | <ul style="list-style-type: none"> • 16A @ 250VAC SPST • (2) each 1/4" Male Tab | Bell | 2 Hole - M4 @ 28.6mm (1.125") apart | 6mm (.236") dia. x 24mm (.945") lg. with Flat | 59mm (2.322") dia. x 48mm (1.890") DP. |  |
| IET018 | 120 min. | None | <ul style="list-style-type: none"> • (2) each SW = 20A @ 120-240 VAC SPST • (4) each Terminal Screw | Bell | 3/8-24 x 1/4" lg. Bushing | 3/16" dia. x 7/16" lg. Double Flat | 2-9/16" dia. x 1-7/8" DP. |  |