

Cleveland Wheel & Brake Systems

For General Aviation Aircraft

Cleveland Wheel & Brake Systems - Engineering YOUR Success

Cleveland Wheel & Brake Systems is one of the most respected names in aviation wheels and brakes. It is a name that carries with it **over 60 years of safe landings** through hundreds of FAA TSO qualifications on single- and twin-engine products. The brand is **synonymous with better braking**, smoother and more reliable landings, convenient availability of products and services, including conversion kits and spares, and welcome savings on maintenance, downtime, and labor. With applications on corporate jets, turboprops, rotorcraft, tilt rotors, and most light twin- and single-engine aircraft, Cleveland Wheels & Brakes are found on **over 80%** of the current general aviation fleet.

Did you know conversion kits are available?

Designed to replace existing wheel & brake systems:

- FAA TSO and STC approved
- Some applications are upgrades of existing Cleveland W&B's brake assemblies and discs

Designed to improve performance or correct an issue:

- Better braking performance and longer service life are goals for design
- Lower cost of operation (cost per landing)



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Conversion Kits

Make and Model	Conversion Kit Part Number	Brake Disc Part Number	Lining or Wear Part Number	Notes
Single Engine				
120, 140 (S/N 8004 thru 13399) 120, 140, 140A (S/N 13400 & up), 170, 170A, 1708, 172, 172A thru 172E, 175, 175A, 1758, 175C, P172D, 180, 180A thru 180F, 182, 182A thru 182G, 172	199-46	164-02601	066-10500	Converts Goodyear to Cleveland; Cannot be used with crosswind landing gear. Installation per
	199-08401	164-04000	066-10500	Converts McCauley to Cleveland, Not STC'd requires 337 field approval. Refer to Cessna SEB00S, Rev. 3
180, 180A thru 180H, 180J, 180K, 185, 185A thru 185E, A185E, A185F, 206, P206, U206, U206F, U206G, TU206E, TU206F, TU206G	199-62	164-03601	066-10500	The 199-62 kit is not a replacement for McCauley. The 199-62 kit may not work with wheel pants due to the wider offset of brake disc. Dual piston, 3 bolt hole wheels
180, 180A thru 180H, 180J, 180K, 185, 185A thru 185E, A185E, A185F, 206, P206, U206, U206F, U206G, TU206E, TU206F, TU206G	199-62A	164-08300	066-10500	199-62 kit is not a replacement for McCauley. The 199-62 kit may not work with wheel pants due to the wider offset of brake disc. Dual piston, 6 bolt hole wheels
Beaver DHC-2 Mk.I, Mk 11, Mk. 111	199-95	164-06306	066-06600	Kit also includes brake inlet fitting and mounting hardware.
35, A35, B35, C35, D35, E35, F35, G35, 35R, 35-33, 35-A33, 35-B33, 35-03, 35-C33A, E33A, F33, F33A, F33C, G33, H35, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, A36	199-49	164-02504	066-10500	Kit also includes axle spacers, mounting hardware, hydraulic hoses, and bulkhead fittings.
35, A35, B35, C35, D35, E35, F35, G35, 35R, DSS,D55A, ESS, ESSA, 95, B95, B95A, 095A, E95, 95-55, 95-ASS, 95-BSS, 95-BSSA, 95-BSSB, 95-CSS, 95-CSSA H35, J35, K35, M35, N35, P35, S35, 45(TY-34), A45 (T-34A, B-45), 045 (T-34B)	199-50	164-02706	066-04400	Installation per FAA STC SA19GL. (Also applicable to Beech Baron-Twin Engine). Kit also includes axle spacers, mounting hardware, hydraulic hoses, and bulkhead fittings.
PC12	199-241	159-7400	109-03000	
Twin Engine				
310, 310A thru 310H, E310H, 310I, 310J, 310J-I, E310J, 310K, 310L, 310N, 310P, T310P, 310CL T310CL 310R, T310R, 320, 320-1, 320A, 320B, 320C, 3200, 320E, 320F	199-64	164-01406	066-03300	
500, 501, 550, 551	199-164	159-03500	109-00100	For aircraft with power assist brakes only. Kit also includes hydraulic expander fittings
Twin Otter OHC-6-1, -100, -200, -300	199-92	164-22400	066-10000	Kit also includes axle spacer, mounting hardware, and hydraulic inlet hose.
58P, 58TC, 60, A60, B60	199-73	164-06106	066-04400	Kit also includes axle spacers, hydraulic hoses, and hydraulic fittings.
65-90, 65-A90, 65-A90-1 (JU-21A), 65-A90-4 (RU-21E, RU-21H), B90, C90, C90A, C90GT, C90GTI, E90, H90 (T-44A)	199-90	164-20900 0	66-09000	Kit also includes mounting hardware, bearing washer, brackets and fillers for wheel well modification, and hubcaps.
F90, 99, 99A, A99A, B99, C99, 100, A100, B100, 200, 200C, 200CT, 200T, A200, A200C, A200CT, B200, B200C, B200CT, B200T	199-110	164-21000	066-09100 066-09200	For aircraft equipped with standard landing gear. Kit also includes hydraulic hoses
F90, 99, 99A, A99A, B99, C99, 100, A100, B100, 200, 200C, 200CT, 200T, B200, B200C, B200T, B200CT	199-125	159-01200	109-00200	For aircraft equipped with High Flotation Landing Gear
1900C, 19000	199-220	159-05900	109-00201	Kit also includes mounting hardware, swivel kit replacement O-rings, brake de-ice manifold kit 199-213.
560F, 680F, 680FL, 680FL(P), 680T, 680V, 680W, 681, 685, 690, 690A, 690B, 690C, 6900, 695, 695A, 695B	199-80	164-07200	066-09000	Kit also includes mounting hardware

Extended service and technical support are available at clevelandwheelandbrake.com.

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