

Power wheelchair repairs and replacement accessories

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Introduction

Power wheelchair repairs and replacement accessories are addressed in this guideline.

Health Equity Consideration

Health equity is the highest level of health for all individuals; health inequity is the avoidable difference in health status or distribution of health resources due to the social conditions in which individuals are born, grow, live, work, and age. Social determinants of health are the conditions in the environment that affect a wide range of health, functioning, and quality of life outcomes and risks. Examples include the following: safe housing, transportation, and neighborhoods; racism, discrimination, and violence; education, job opportunities, and income; access to nutritious foods and physical activity opportunities; access to clean air and water; and language and literacy skills.

Criteria

Power wheelchair repairs and replacement accessories may be considered medically necessary when **all** of the following apply:

- The individual uses a medically necessary power wheelchair.
- The individual is unable to use the power wheelchair and/or power wheelchair accessories due to **any** of the following:
 - The individual is no longer able to use the device because their physical condition has changed.
 - The device has been lost or stolen.
 - The device is broken, unable to be repaired, and/or no longer under warranty.

Evidence Discussion

A 2021 study by Worobey et al. investigated the incidence and consequences of wheelchair repairs among individuals with spinal cord injury and highlighted the critical necessity of timely power wheelchair (PWC) repairs. Over a six-month period, 56% of participants required at least one repair, and 42% of those experienced adverse

consequences, with a median duration of five days. Consequences were often listed as severe, including being stranded at home (27%) or forced to use a backup chair (36%), and were most pronounced for PWC-specific components such as seat functions, controllers, and batteries, which frequently resulted in prolonged immobility. The authors emphasized that delays in repair can lead to secondary complications such as pressure injuries and rehospitalization, and that inadequate backup chairs often fail to mitigate these risks.

A 2024 retrospective study by Mhatre et al. examined the relationship between power wheelchair usage, battery charging behavior, and repair incidence, highlighting the importance of proactive maintenance. In an analysis of 237 participants across two cohorts, telemonitoring combined with targeted battery charging training led to measurable improvements; among 54 users identified with poor charging habits, 26 adopted nightly charging, resulting in an 18% reduction in battery repairs and an 11% reduction in overall wheelchair repairs compared to standard care. Although these reductions were clinically relevant, they did not reach statistical significance, suggesting that battery maintenance alone was insufficient to fully mitigate repair risk. Their findings underscore that frequent wheelchair use significantly increases failure risk and that telemonitoring can enable technician-led interventions to prevent breakdowns. The authors concluded that integrating usage-based diagnostics and proactive servicing strategies is essential to reduce repair frequency, costs, and adverse consequences for power wheelchair users.

Codes

HCPCS Code	Description
E0705	Transfer device, any type, each
E0950	Wheelchair accessory, tray, each
E0951	Heel loop/holder, any type, with or without ankle strap, each
E0952	Toe loop/holder, any type, each
E0954	Wheelchair accessory, foot box, any type, includes attachment and mounting hardware, each foot
E0973	Wheelchair accessory, adjustable height, detachable armrest, complete assembly, each
E0978	Wheelchair accessory, positioning belt/safety belt/pelvic strap, each
E0981	Wheelchair accessory, seat upholstery, replacement only, each

HCP Code	Description
E0982	Wheelchair accessory, back upholstery, replacement only, each
E0990	Wheelchair accessory, elevating leg rest, complete assembly, each
E0995	Wheelchair accessory, calf rest/pad, replacement only, each
E1002	Wheelchair accessory, power seating system, tilt only
E1003	Wheelchair accessory, power seating system, recline only, without shear reduction
E1004	Wheelchair accessory, power seating system, recline only, with mechanical shear reduction
E1005	Wheelchair accessory, power seating system, recline only, with power shear reduction
E1006	Wheelchair accessory, power seating system, combination tilt and recline, without shear reduction
E1007	Wheelchair accessory, power seating system, combination tilt and recline, with mechanical shear reduction
E1008	Wheelchair accessory, power seating system, combination tilt and recline, with power shear reduction
E1009	Wheelchair accessory, addition to power seating system, mechanically linked leg elevation system, including pushrod and leg rest, each
E1010	Wheelchair accessory, addition to power seating system, power leg elevation system, including leg rest, pair
E1012	Wheelchair accessory, addition to power seating system, center mount power elevating leg rest/platform, complete system, any type, each
E1016	Shock absorber for power wheelchair, each
E1020	Residual limb support system for wheelchair, any type
E1028	Wheelchair accessory, manual swingaway, retractable or removable mounting hardware, other
E1029	Wheelchair accessory, ventilator tray, fixed
E1030	Wheelchair accessory, ventilator tray, gimbaled
E2207	Wheelchair accessory, crutch and cane holder, each

HCP Code	Description
E2208	Wheelchair accessory, cylinder tank carrier, each
E2209	Accessory, arm trough, with or without hand support, each
E2300	Wheelchair accessory, power seat elevation system, any type
E2301	Wheelchair accessory, power standing system, any type
E2310	Power wheelchair accessory, electronic connection between wheelchair controller and one power seating system motor, including all related electronics, indicator feature, mechanical function selection switch, and fixed mounting hardware
E2311	Power wheelchair accessory, electronic connection between wheelchair controller and two or more power seating system motors, including all related electronics, indicator feature, mechanical function selection switch, and fixed mounting hardware
E2312	Power wheelchair accessory, hand or chin control interface, mini-proportional remote joystick, proportional, including fixed mounting hardware
E2313	Power wheelchair accessory, harness for upgrade to expandable controller, including all fasteners, connectors and mounting hardware, each
E2321	Power wheelchair accessory, hand control interface, remote joystick, nonproportional, including all related electronics, mechanical stop switch, and fixed mounting hardware
E2322	Power wheelchair accessory, hand control interface, multiple mechanical switches, nonproportional, including all related electronics, mechanical stop switch, and fixed mounting hardware
E2323	Power wheelchair accessory, specialty joystick handle for hand control interface, prefabricated
E2324	Power wheelchair accessory, chin cup for chin control interface
E2325	Power wheelchair accessory, sip and puff interface, nonproportional, including all related electronics, mechanical stop switch, and manual swingaway mounting hardware
E2326	Power wheelchair accessory, breath tube kit for sip and puff interface

HCP Code	Description
E2327	Power wheelchair accessory, head control interface, mechanical, proportional, including all related electronics, mechanical direction change switch, and fixed mounting hardware
E2328	Power wheelchair accessory, head control or extremity control interface, electronic, proportional, including all related electronics and fixed mounting hardware
E2329	Power wheelchair accessory, head control interface, contact switch mechanism, nonproportional, including all related electronics, mechanical stop switch, mechanical direction change switch, head array, and fixed mounting hardware
E2330	Power wheelchair accessory, head control interface, proximity switch mechanism, nonproportional, including all related electronics, mechanical stop switch, mechanical direction change switch, head array, and fixed mounting hardware
E2331	Power wheelchair accessory, attendant control, proportional, including all related electronics and fixed mounting hardware
E2351	Power wheelchair accessory, electronic interface to operate speech generating device using power wheelchair control interface
E2358	Power wheelchair accessory, group 34 non-sealed lead acid battery, each
E2359	Power wheelchair accessory, group 34 sealed lead acid battery, each (e.g., gel cell, absorbed glassmat)
E2360	Power wheelchair accessory, 22nf non-sealed lead acid battery, each
E2361	Power wheelchair accessory, 22nf sealed lead acid battery, each, (e.g., gel cell, absorbed glassmat)
E2362	Power wheelchair accessory, group 24 non-sealed lead acid battery, each
E2363	Power wheelchair accessory, group 24 sealed lead acid battery, each (e.g., gel cell, absorbed glassmat)
E2364	Power wheelchair accessory, u-1 non-sealed lead acid battery, each

HCPSC Code	Description
E2365	Power wheelchair accessory, u-1 sealed lead acid battery, each (e.g., gel cell, absorbed glassmat)
E2366	Power wheelchair accessory, battery charger, single mode, for use with only one battery type, sealed or non-sealed, each
E2367	Power wheelchair accessory, battery charger, dual mode, for use with either battery type, sealed or non-sealed, each
E2368	Power wheelchair component, drive wheel motor, replacement only
E2369	Power wheelchair component, drive wheel gear box, replacement only
E2370	Power wheelchair component, integrated drive wheel motor and gear box combination, replacement only
E2371	Power wheelchair accessory, group 27 sealed lead acid battery, (e.g., gel cell, absorbed glassmat), each
E2372	Power wheelchair accessory, group 27 non-sealed lead acid battery, each
E2373	Power wheelchair accessory, hand or chin control interface, compact remote joystick, proportional, including fixed mounting hardware
E2374	Power wheelchair accessory, hand or chin control interface, standard remote joystick (not including controller), proportional, including all related electronics and fixed mounting hardware, replacement only
E2375	Power wheelchair accessory, non-expandable controller, including all related electronics and mounting hardware, replacement only
E2376	Power wheelchair accessory, expandable controller, including all related electronics and mounting hardware, replacement only
E2377	Power wheelchair accessory, expandable controller, including all related electronics and mounting hardware, upgrade provided at initial issue
E2378	Power wheelchair component, actuator, replacement only
E2381	Power wheelchair accessory, pneumatic drive wheel tire, any size, replacement only, each

HCPSC Code	Description
E2382	Power wheelchair accessory, tube for pneumatic drive wheel tire, any size, replacement only, each
E2383	Power wheelchair accessory, insert for pneumatic drive wheel tire (removable), any type, any size, replacement only, each
E2384	Power wheelchair accessory, pneumatic caster tire, any size, replacement only, each
E2385	Power wheelchair accessory, tube for pneumatic caster tire, any size, replacement only, each
E2386	Power wheelchair accessory, foam filled drive wheel tire, any size, replacement only, each
E2387	Power wheelchair accessory, foam filled caster tire, any size, replacement only, each
E2388	Power wheelchair accessory, foam drive wheel tire, any size, replacement only, each
E2389	Power wheelchair accessory, foam caster tire, any size, replacement only, each
E2390	Power wheelchair accessory, solid (rubber/plastic) drive wheel tire, any size, replacement only, each
E2391	Power wheelchair accessory, solid (rubber/plastic) caster tire (removable), any size, replacement only, each
E2392	Power wheelchair accessory, solid (rubber/plastic) caster tire with integrated wheel, any size, replacement only, each
E2394	Power wheelchair accessory, drive wheel excludes tire, any size, replacement only, each
E2395	Power wheelchair accessory, caster wheel excludes tire, any size, replacement only, each
E2396	Power wheelchair accessory, caster fork, any size, replacement only, each
E2397	Power wheelchair accessory, lithium-based battery, each
K0015	Detachable, non-adjustable height armrest, replacement only, each
K0017	Detachable, adjustable height armrest, base, replacement only, each

HCP Code	Description
K0018	Detachable, adjustable height armrest, upper portion, replacement only, each
K0019	Arm pad, replacement only, each
K0020	Fixed, adjustable height armrest, pair
K0037	High mount flip-up footrest, each
K0038	Leg strap, each
K0039	Leg strap, h style, each
K0040	Adjustable angle footplate, each
K0041	Large size footplate, each
K0042	Standard size footplate, replacement only, each
K0043	Footrest, lower extension tube, replacement only, each
K0044	Footrest, upper hanger bracket, replacement only, each
K0045	Footrest, complete assembly, replacement only, each
K0046	Elevating legrest, lower extension tube, replacement only, each
K0047	Elevating legrest, upper hanger bracket, replacement only, each
K0050	Ratchet assembly, replacement only
K0051	Cam release assembly, footrest or legrest, replacement only, each
K0052	Swingaway, detachable footrests, replacement only, each
K0053	Elevating footrests, articulating (telescoping), each
K0098	Drive belt for power wheelchair, replacement only
K0105	Iv hanger, each
K0108	Wheelchair component or accessory, not otherwise specified
K0669	Wheelchair accessory, wheelchair seat or back cushion, does not meet specific code criteria or no written coding verification from dme pdac
K0733	Power wheelchair accessory, 12 to 24 amp hour sealed lead acid battery, each (e.g., gel cell, absorbed glassmat)

HCPSC Code	Description
K0739	Repair or nonroutine service for durable medical equipment other than oxygen equipment requiring the skill of a technician, labor component, per 15 minutes
K0839	Power wheelchair, group 2 very heavy duty, single power option, sling/solid seat/back, patient weight capacity 451 to 600 pounds
K0840	Power wheelchair, group 2 extra heavy duty, single power option, sling/solid seat/back, patient weight capacity 601 pounds or more
K0843	Power wheelchair, group 2 heavy duty, multiple power option, sling/solid seat/back, patient weight capacity 301 to 450 pounds
K0860	Power wheelchair, group 3 very heavy duty, single power option, sling/solid seat/back, patient weight capacity 451 to 600 pounds
K0861	Power wheelchair, group 3 standard, multiple power option, sling/solid seat/back, patient weight capacity up to and including 300 pounds
K0862	Power wheelchair, group 3 heavy duty, multiple power option, sling/solid seat/back, patient weight capacity 301 to 450 pounds
K0863	Power wheelchair, group 3 very heavy duty, multiple power option, sling/solid seat/back, patient weight capacity 451 to 600 pounds
K0864	Power wheelchair, group 3 extra heavy duty, multiple power option, sling/solid seat/back, patient weight capacity 601 pounds or more
K0890	Power wheelchair, group 5 pediatric, single power option, sling/solid seat/back, patient weight capacity up to and including 125 pounds
K0891	Power wheelchair, group 5 pediatric, multiple power option, sling/solid seat/back, patient weight capacity up to and including 125 pounds

References

Centers for Medicare & Medicaid Services. (n.d.). *National coverage determination (NCD) for mobility assistive equipment (MAE)* (280.3). Medicare Coverage Database. <https://www.cms.gov/medicare-coverage-database>

DiGiovine, C. P., Koontz, A., Berner, T., Kim, D. J., & Schmeler, M. (2016). *Wheelchairs and seating systems*. In D. X. Cifu (Ed.), *Braddom's physical medicine and rehabilitation*. (5th ed., pp. 289–320). Elsevier.

Dolan, M. J., Bolton, M. J., & Henderson, G. I. (2019). *Comparison of seating, powered characteristics and functions and costs of electrically powered wheelchairs in a general population of users*. *Disability and Rehabilitation: Assistive Technology*, 14(1), 56–61. <https://doi.org/10.1080/17483107.2017.1393701>

Enable NSW Lifetime Care & Support Authority. (2011). *Guidelines for the prescription of a seated wheelchair or mobility scooter for people with a traumatic brain injury or spinal cord injury*. <https://www.lifetimecare.nsw.gov.au/lifetime-care-and-supportscheme/guidelines,-policies-and-legislation>

Mhatre, A., Loew, C., Yurtsever, E., & Mair, C. (2025). *Power wheelchair usage and repair are associated: A retrospective analysis*. *Disability and Rehabilitation: Assistive Technology*, 20(1), 127–134. <https://doi.org/10.1080/17483107.2024.2353861>

Ogata, Y., Katsumura, M., Yano, K., Nakao, T., Hamada, A., & Torii, K. (2019). *Joystick grip for electric wheelchair for tension#athetosis#type cerebral palsy*. *Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society*, 2019, 1666–1669. <https://doi.org/10.1109/EMBC.2019.8857419>

Smith, E. M., Sakakibara, B. M., & Miller, W. C. (2016). *A review of factors influencing participation in social and community activities for wheelchair users*. *Disability and Rehabilitation: Assistive Technology*, 11(5), 361–374. <https://doi.org/10.3109/17483107.2014.989420>

Taylor, S., Gassaway, J., Heisler-Varriale, L. A., et al. (2015). *Patterns in wheeled mobility skills training, equipment evaluation, and utilization: Findings from the SCIRehab project*. *Assistive Technology*, 27(2), 59–68. <https://doi.org/10.1080/10400435.2014.978511>

Thorp, E. B., Abdollahi, F., Chen, D., et al. (2016). *Upper body#based power wheelchair control interface for individuals with tetraplegia*. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, 24(2), 249–260. <https://doi.org/10.1109/TNSRE.2015.2439240>

Ward, A. L., Hammond, S., Holsten, S., Bravver, E., & Brooks, B. R. (2015). *Power wheelchair use in persons with amyotrophic lateral sclerosis: Changes over time*. *Assistive Technology*, 27(4), 238–245. <https://doi.org/10.1080/10400435.2015.1040896>

Worobey, L. A., Heinemann, A. W., Anderson, K. D., et al. (2022). *Factors influencing incidence of wheelchair repairs and consequences among individuals with spinal cord injury*. *Archives of Physical Medicine and Rehabilitation*, 103(4), 779–789. <https://doi.org/10.1016/j.apmr.2021.01.094>