

56-19 A-dec Cascade 1040 Dental Chair (Project 97-43) (1/99)

The Cascade 1040 Dental Chair recently was re-designed to offer the ability to attach the unit, operatory light, and assistant's instrumentation off of hubs located below the toeboard (light and unit) and at the rear of the chair (assistant's instrumentation). This design provides increased positioning versatility, including the ability to convert the unit from right- to left-hand delivery in minutes. The Cascade 1040 is hydraulically powered with synchronous operation of the chair back and seat to reduce the need for patient realignment during positioning. Standard features of the chair include an eight-function foot switch, Naugahyde upholstery, a removable double-articulating headrest, and armrests that automatically recess as the chair returns to the upright position. This last feature facilitates patient entry and exit from the chair. Other standard features include a clear vinyl toeboard cover, sculptured foam cushioning, a safety plate shut-off, and baked epoxy finish on all metal surfaces. A membrane touch pad is available that duplicates the functions of the foot switch. Smooth, seamless upholstery is standard and a plush upholstery upgrade is available. The chair rotates 15 degrees in either direction for increased patient access and provider comfort. The chair measures 41 inches high by 70 inches long by 27 inches wide and has a shipping weight of 300 pounds. The Cascade 1040 can be configured for either 110 or 220 volts and is UL listed, CSA certified, and ADA accepted.

Manufacturer:

A-dec
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Newberg, OR 97132
(800) 547-1883
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Suggested Retail Price: \$7,150.00
With Upgrade Upholstery: \$7,600.00

Government Price: \$3,861.00
With Upgraded Upholstery: \$4,104.00

ADVANTAGES:

- + Meets or exceeds all military specifications for dental patient chairs.
- + Hydraulic cantilever system provides smooth, quiet operation.
- + Has eight-function foot control with four programmable positions and optional touch pad.
- + Well-illustrated operation, maintenance, and installation manuals.
- + Patients reported that the upgrade plush upholstery was very comfortable.
- + Is comfortable for patients of different heights.
- + Provides easy access for the patient.
- + Stable in all operating positions.
- + Smooth, seamless upholstery and overall design facilitates asepsis.
- + Foot controls sealed for ease of disinfection.
- + Has adjustable, double-articulating headrest.
- + Pivots and bushings require no lubrication.
- + Is UL listed, CSA certified and ADA accepted.

DISADVANTAGES:

- Comprehensive service guide is not a standard issue item with purchase.
- Service guide lacks part numbers and procedures for removing and installing hydraulic cylinders.

SUMMARY AND CONCLUSIONS:

The Cascade 1040 Dental Chair met or exceeded all specifications on the DIS patient chair evaluation checklist and ADA Specification No. 46 for dental chairs. It comfortably supports the patient during normal

dental procedures in both the upright and supine positions. It provides for movement of the unit, light, and assistant's instrumentation with pivot hubs under the toeboard and rear of the chair. Access to the chair is convenient and safe. The simple, modern design of the chair facilitates established infection control procedures such as disinfection and barrier protection. The optional plush upholstery on the DIS evaluation chair contained seams, but clinical evaluators noted no difficulty in cleaning or disinfecting it. Patients consistently commented on the comfort of the chair with this upholstery. The baked epoxy-coated metal substructure was easy to clean and resistant to marring. The **A-dec Cascade® 1040 Dental Chair** is rated **Acceptable** for use by the federal dental services.