
ERGONOMICS AND COMMUNICATIONS

TEST OBJECTIVE

Rate each test vehicle's ability to:

1. Provide a suitable environment for the patrol officer in the performance of his/her assigned tasks.
2. Accommodate the required communications and emergency warning equipment and assess the relative difficulty of such installations.

TEST METHODOLOGY

Utilizing the ergonomics portion of the form, a minimum of four officers (in this case 10) individually and independently compare and score each test vehicle on the various comfort, instrumentation, and visibility items. The installation and communications portion of the evaluation is conducted by personnel from the Canfield Equipment Service, Inc., based upon the relative difficulty of the necessary installations. Each factor is graded on a 1 to 10 scale, with 1 representing "totally unacceptable," 5 representing "average," and 10 representing "superior." The scores are averaged to minimize personal prejudice for or against any given vehicle.



ERGONOMICS AND COMMUNICATIONS

ERGONOMICS	Ford Police Interceptor	Dodge Charger	Chevrolet Tahoe PPV	Chevrolet Impala 9C1	Dodge Magnum
FRONT SEAT					
Padding	5.60	5.40	6.90	5.70	5.40
Depth of Bucket Seat	5.70	5.30	6.10	5.10	5.30
Adjustability – Front to Rear	7.40	7.50	6.60	6.00	7.30
Upholstery	5.70	6.10	6.40	6.00	6.10
Bucket Seat Design	5.40	5.60	6.40	5.50	5.60
Headroom	7.10	6.80	8.00	6.20	6.60
Seatbelts	6.00	6.40	7.00	6.40	6.50
Ease of Entry and Exit	6.60	6.90	7.60	5.60	7.00
Overall Comfort Rating	6.60	6.50	7.50	6.00	6.60
REAR SEAT					
Leg room – Front seat back	6.00	6.20	7.20	3.40	6.10
Ease of Entry and Exit	5.80	5.00	6.40	3.50	5.90
INSTRUMENTATION					
Clarity	5.90	6.00	7.00	6.80	6.00
Placement	5.90	5.50	6.40	7.10	5.50
VEHICLE CONTROLS					
Pedals, Size and Position	5.60	6.30	6.80	6.20	6.30
Power Window Switch	6.70	7.00	7.20	6.70	7.00
Inside Door Lock Switch	6.50	7.00	6.10	5.50	7.00
Automatic Door Lock Switch	6.50	4.90	6.20	5.30	4.90
Outside Mirror Controls	6.40	6.10	6.80	5.50	6.10
Steering Wheel, Size, Tilt Release, and Surface	7.00	5.70	7.50	6.70	5.70
Heat/AC Vent Placement and Adjustability	6.70	6.30	6.40	6.00	6.30
VISIBILITY					
Front (Windshield)	7.20	6.40	7.40	7.30	6.00
Rear (Back Window)	6.70	5.50	5.50	5.50	4.00
Left Rear Quarter	6.60	5.20	5.30	6.00	5.10
Right Rear Quarter	6.20	4.80	4.80	5.40	4.90
Outside Rear View Mirrors	5.60	5.60	7.40	4.50	5.80
COMMUNICATIONS					
Dashboard Accessibility	8.00	8.42	6.83	7.50	8.42
Trunk Accessibility	8.20	8.00	6.90	7.90	7.50
Engine Compartment	8.67	8.83	8.00	8.33	8.83
TOTAL SCORES	182.27	175.25	188.63	167.63	173.75

2008 ERGONOMICS/COMMUNICATIONS

VEHICLE SCORES

