

TABLE A-3. SUMMARY OF DYNAMOMETER TEST PROCEDURES
FOR FMVSS 121 (tractors, trucks, buses
trailers)

Sequence	Procedure	Evaluation Criteria
Burnish brake linings (all vehicles)	• Make 200 stops from 40 mph at 10 ft/sec/sec • Make 200 additional stops from 40 mph at 10 ft/sec/sec	Brake temperatures, T 315 F < T < 385 F Brake temperatures, T 450 < T < 550
Brake effectiveness/ retardation factor (trailers only)	• Make 7 consecutive stops from 50 mph with increasing brake air chamber pressure	• Calculated brake retardation force at each air chamber pressure
Fade and recovery (all vehicles)	• Decelerate from 50 mph to 15 mph at 9 ft/sec/sec at 72 second intervals deceleration rate; repeat 10 times • Hot stop from 20 mph at 14 ft/sec/sec • Make 20 consecutive stops from 30 mph at 12 ft/sec/sec deceleration rate (at 60 second intervals)	• Service air pressure must be below 100 psi • No pressure limit • Service air pressure must be below 85 psi and above 20 psi