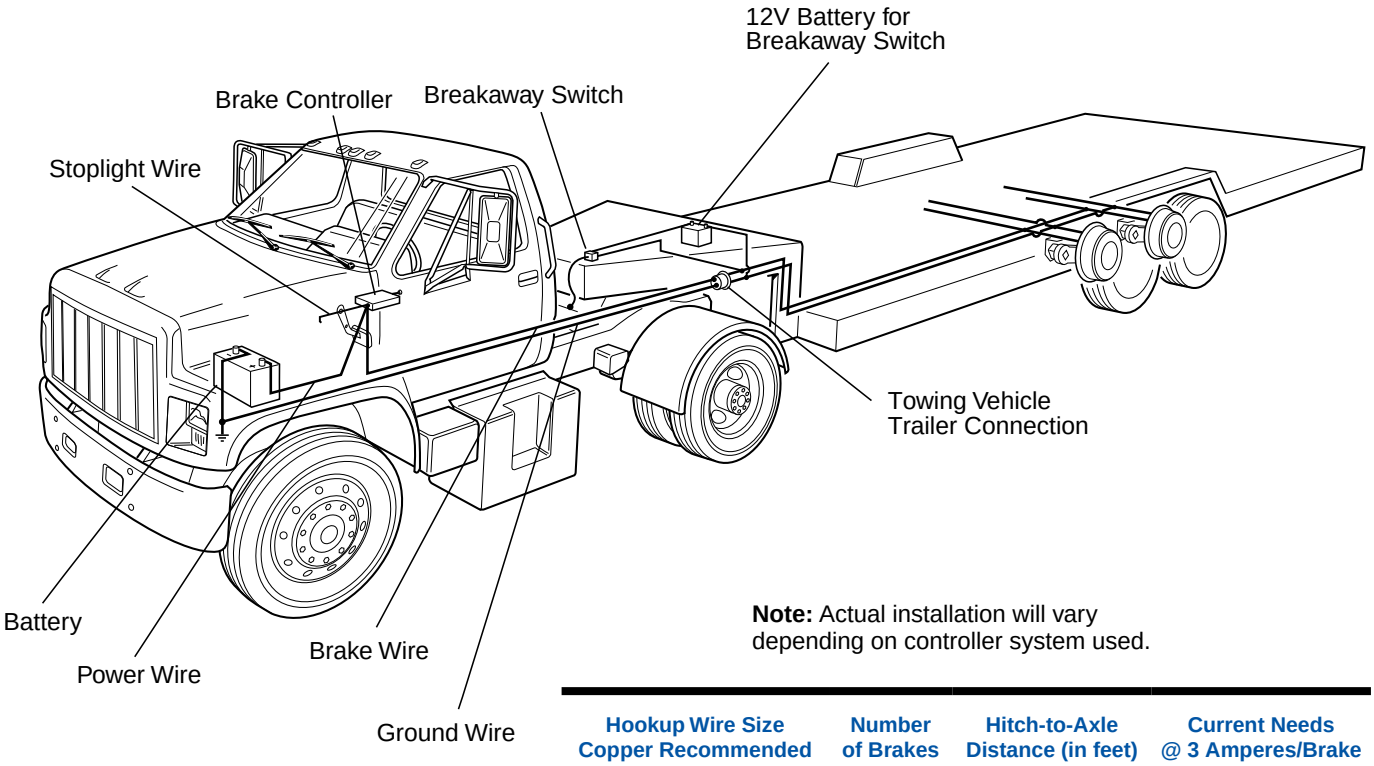
Typical Electric Brake Wiring Diagram



Note: Actual installation will vary depending on controller system used.

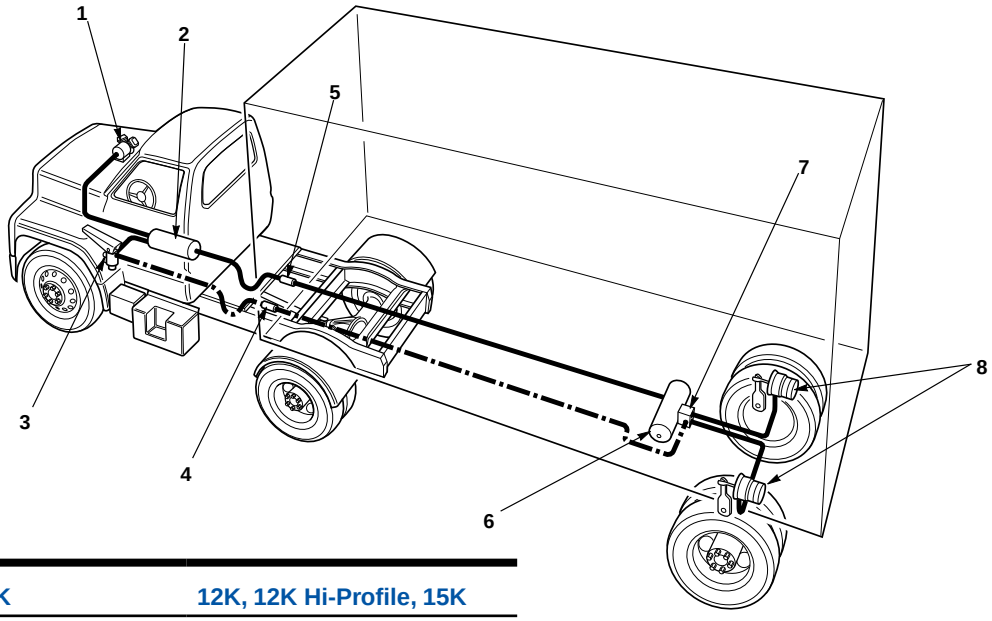
Hookup Wire Size Copper Recommended	Number of Brakes	Hitch-to-Axle Distance (in feet)	Current Needs @ 3 Amperes/Brake
No. 12 AWG	2		6
No. 12 AWG	4	Under 30	12
No. 10 AWG	4	30-50	12
No. 10 AWG	6	Under 30	18
No. 8 AWG	6	30-60	18

Typical Air Brake System Diagram

1 - Air Compressor
2 - Tow Vehicle Reservoir
3 - Actuation Valve
4 - Control Gladhand
5 - Supply Gladhand
6 - Trailer Reservoir
7 - Relay Valve
8 - Air Chambers

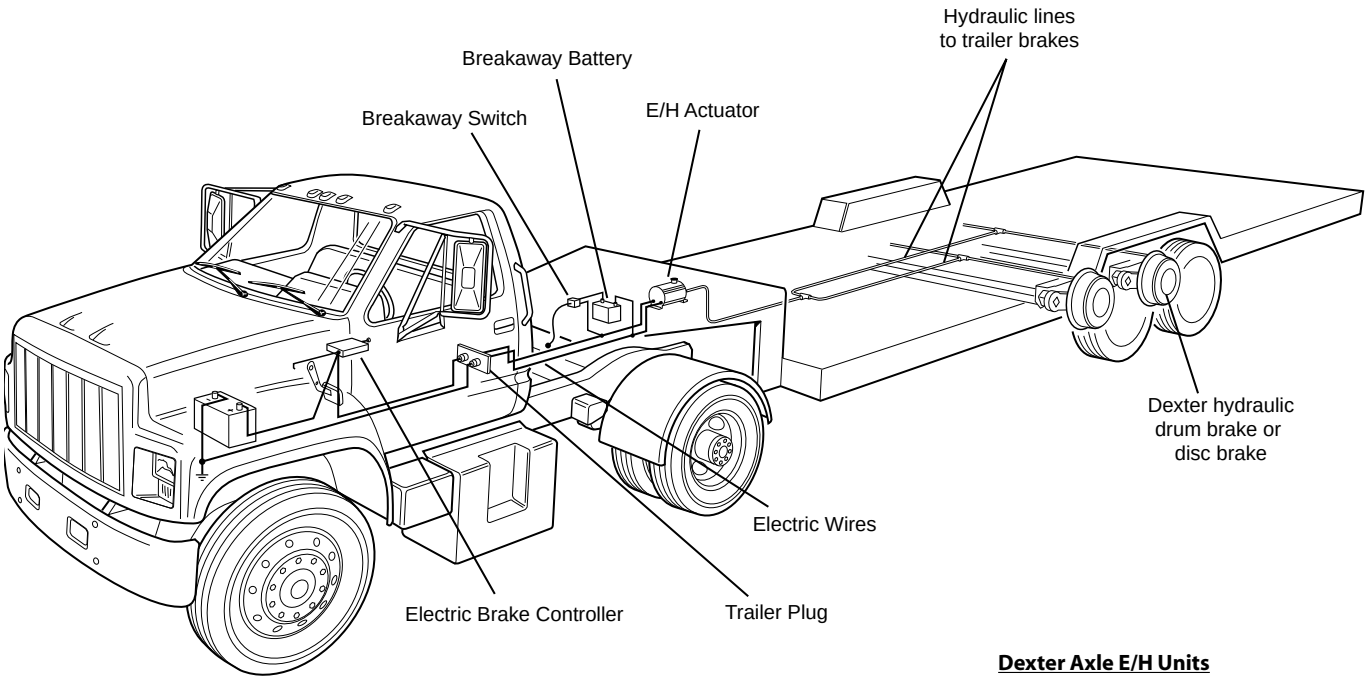
Control Plumbing

Supply Plumbing



	10K	12K, 12K Hi-Profile, 15K
Air chamber Size	Type 20	Type 24
Air Chamber Full Stroke Volume	53 cu. in. @ 100 PSIG	63 cu. in. @ 100 PSIG
Spring Brake Type	Type 20-24 Combination	Type 24-30 Combination
Spring Brake Volume (caged)	71.4 cu. in. @ 100 PSIG	91.8 cu. in. @ 100 PSIG

Typical Electric – Hydraulic Brake System Diagram



Dexter Axle E/H Units

Model E/H 1000 P/N K71-650-00 for Drum Brakes Only
Model E/H 1600 P/N K71-651-00 for Disc Brakes Only

Hydraulic System Installation Suggestions

1. Use 3⁄16" steel tubing having 2000 PSI working pressure rating for all hardline connections between the actuator and take-off to axle. All tubing must have double flare connection at joints.
2. Anchor hydraulic tubing securely to frame and axle.
3. Use inverted flare fittings having 82° included angle.
4. Use D.O.T. high pressure hydraulic hose for flex connection(s) (frame to axle).

WARNING: It is the brake system installer's responsibility to insure compatibility between towing vehicles and trailer actuation systems. Various combinations of Air/Hydraulic, E/H, or Vacuum/Hydraulic and tow vehicle systems can allow normal working pressure to exceed 1000 PSI on drum brakes. Pressures in excess of 1000 PSI on drum brakes increase lining wear and can lead to component failure. Make certain your system has the correct peak pressure to activate brakes properly.

Axle Capacity	Maximum Operating Pressure (PSI)	Total Fluid Displacement Required per Axle
9K, 10K, 12K, 13D, 13G Drum Brakes 1¼" Diameter Cylinder*	1000	1.30 cu. in.
10K, 12K, 13D Disc Brakes 2½" Diameter Piston (Quantity 2)**	1600	.80 cu. in
15K Drum Brakes 1⅜" Diameter cylinder*	1000	1.50 cu. in.

* Use 3⁄8-24 flare nut fitting on 3⁄16" tube or hose to connect to back of brake.
** Use 7⁄16-20 straight thread inlet to connect to brake.