

Table I - Air Suspension Application Guidelines

Item	Suspension Type				
	Air Trac	Air Leaf with Tracking Rods	Low and Low-Low Air Leaf Tandem (built April 2004 or later) and Flex Air	Low and Low-Low Air Leaf Tandem (built prior to April 2004)	Low Air Leaf Single
Commodity Hauled	All	All except hay and asphalt	All except hay and asphalt	All except hay and asphalt	All except hay and asphalt
Intended Service Not approved for: - Transit mixer - Oil field tractor - Concrete pumper - All other	All Air Leaf with tracking rods services plus: - Refuse - Heavy equipment - Logger (note 1) - Chip hauler (note 1) - Agricultural products - Asphalt paver - Mobile home mover	All Flex Air tandem services plus: - Snow plow	All Low Air Leaf tandem services plus: - Lube - Block - Dump (tractor only) - Wrecker	General freight - Car carrier - Tanker, liquid or dry bulk - Lumber - Refrigerated freight (including swinging meat) - Fire engine	- General freight - Lumber - Fire engine - City Delivery - Auto hauler - Emergency vehicle
Trailer Type Not approved for: - All other	All Air Leaf with tracking rods trailer types plus: - Logger - Low bed - Chip hauler - Transfer dump - Semi-end dump - Refuse transfer - Mixer - Drop deck	All Flex Air tandem trailer types	All Low Air Leaf tandem trailer types plus: - Bottom dump - Semi-end dump	- Van - Flatbed - Car carrier - Livestock trailer - Tank - Hopper - Van doubles - Van triples - Furniture van - Refrigerated van	- Van - Flatbed
Body Type Not approved for: - Mixer - Vacuum - Rear loader - Side loader - Oilfield rig - Concrete pump - All other	All Air Leaf with tracking rods body types plus: - Pole - Logging - Front loader - Transfer dump - End dump - End dump with pup trailer - Oilfield wire line - Roll off	All Flex Air tandem body types	All Low Air Leaf tandem body types plus: - Crane - Grain - Winch - Basic platform - Wrecker - Fire apparatus	- Tank - Platform with devices - Van - Beverage - Dromedary box - Flatbed	- Platform with devices - Van - Beverage - Dromedary box - Flatbed - Emergency vehicle - Fire Apparatus
Recommended Applications	- High GCW - Rough terrain - High CG loads	- On-highway	- Low frame or fifth wheel height	- Low frame or fifth wheel height	- Low frame height - Low CG loads - On-highway
Suspension Rating	20,000 lbs 23,000 lbs	40,000 lbs 42,100 lbs 44,000 lbs 46,000 lbs	38,000 lbs	38,000 lbs	21,000 lbs
Maximum GCW	125,000 lbs	180,000 lbs	143,000 lbs	143,000 lbs	60,000 lbs
Road Usage - Class A, B - Class C - Class D	- 90 to 100% - 0 to 10% - 0%	- 95 to 100% - 0 to 5% - 0%	- 100% - 0% - 0%	- 100% - 0% - 0%	- 100% - 0% - 0%
Axle Spacing - Standard - Optional - Special	- 52" - 54", 56", 60" - 65" with 100% Class A, wheelbase 179" or greater and 40,000 lb rating.	- 52" - 54"	- 52" – Flex Air 52" and 54" – Low & Low-Low Air Leaf 60" Low Air Leaf Only (Note 2)	- 52" - 54", 60" (note 2)	NA

- 72" with 100% Class A, wheelbase 200" or greater, 42,100 lb rating and Canadian service.				
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Notes: ¹ Logger, chip hauler, and oilfield wire line services require the Air Trac rated at 44,000 lbs or higher.
² The axle spacings of 54" and 60" are optional on Low Air Leaf Tandem suspensions only.

This document is same as DB 3.10 effective 10/16/08

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