

SUSPENSION FIELD MANUAL



TRUST MATTERS.







SUSPENSION FIELD MANUAL

Euclid has been a long-standing trusted source for high-quality, all-makes truck parts for more than 80 years. With a comprehensive aftermarket suspension parts portfolio, you can trust Euclid to provide your business with the products and support needed to maintain uptime and keep your vehicles running on the road. This field manual offers a detailed view of the most popular rear truck and trailer suspensions on the road today, and will guide you through the various suspensions to help you identify common wear items that frequently need replacement.

For the complete suspension and components offering, visit **MeritorPartsXpress.com** or refer to the **700F** series Suspension catalog.

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SUSPENSION OVERVIEW

SUSPENSION FUNCTION

- Carry the load
- Provide stability against side sway
- Transfer driving and braking forces between frame and axles
- Produce suitable riding and cushioning properties
- Maintain axle alignment
- Distribute the load across multiple axles

SUSPENSION TYPES

REAR TRUCK SUSPENSIONS

- Air Ride
- Leaf Spring
- Bolster / Rubber Spring

TRAILER SUSPENSIONS

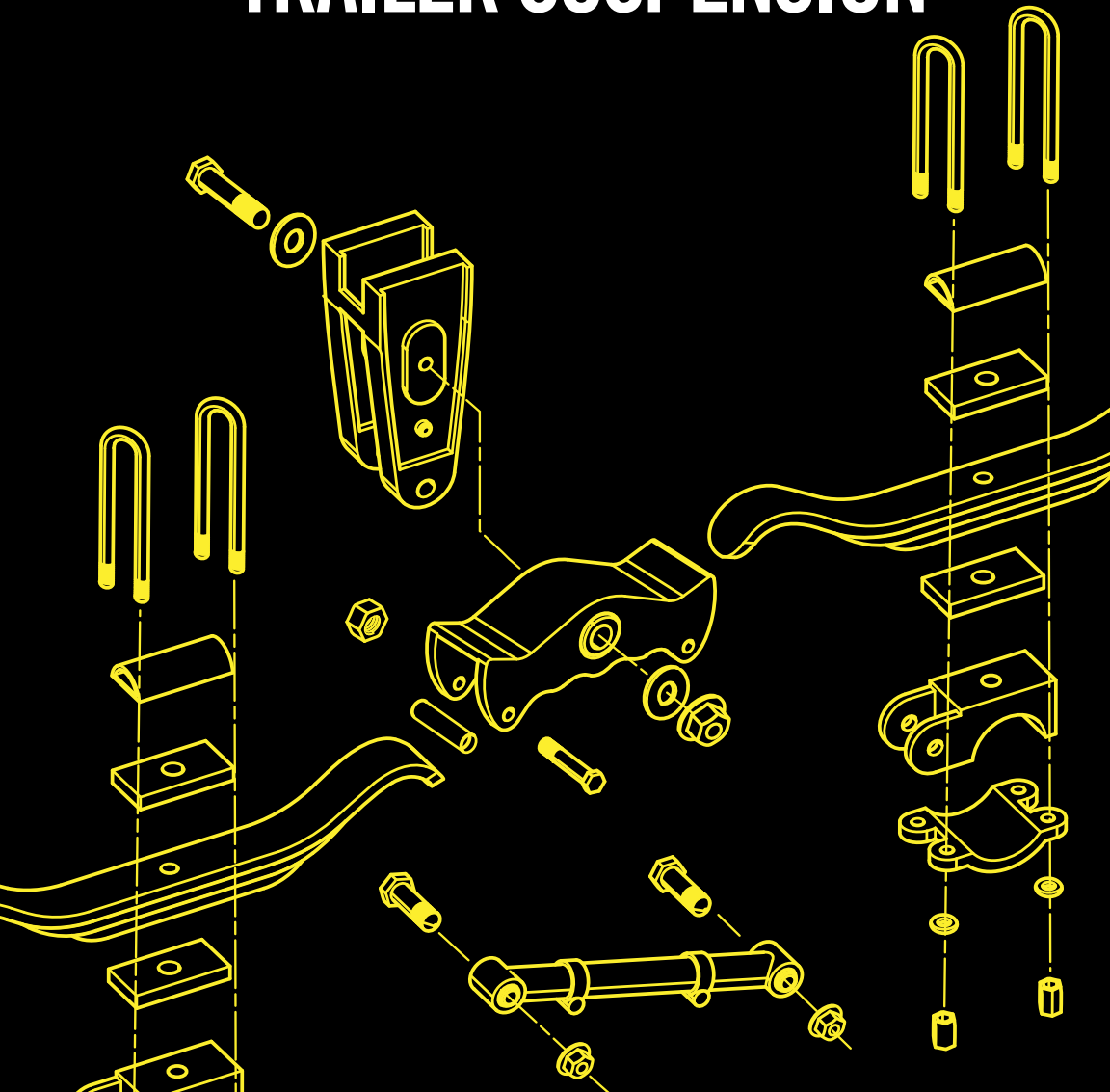
- Air Ride
- Leaf Spring

THE IMPORTANCE OF SUSPENSION MAINTENANCE

- The suspension relies on all components working in harmony to perform its function.
- When one component gets worn, the stress transfer to other components causes accelerated wear on these parts.
- Early detection of any worn part will prevent major repairs and provide long-term savings.



HOW TO IDENTIFY YOUR REAR TRUCK AND TRAILER SUSPENSION



REAR TRUCK AIR SUSPENSIONS

The Rear Truck Air Suspensions covered in this manual are noted below.
Additional information, exploded views and parts lists can be found in the Line Haul or Concrete Mixer sections.
For a complete offering see 700F Euclid Suspension parts book.



FREIGHTLINER: FAS II AIRLINER®
Identifiable by the long thin solid hanger. The genuine hanger has “AirLiner” cast into the part. (pp. 14–15)



HENDRICKSON: PRIMAAX®
The PRIMAAX features a square transverse beam connecting the two pivot beams connected the hangers. The hangers feature the Hendrickson logo and an alignment collar that features the Hendrickson logo. (pp. 76–77)



KENWORTH: AIRGLIDE 100®
Identifiable by larger center hanger with two torsion bars connected at the bottom. This style of hanger is very unique to this suspension. (pp. 16–17)



KENWORTH: AIRGLIDE 200® / 400®
Newer version of the Kenworth 100. Identifiable by larger center hanger with two torsion bars connected at the bottom. The 200–400 series has a “V” cut out of the top of the hanger. (pp. 18–19)



MACK® / VOLVO: CORPORATE AIR
Identifiable by the unique hanger with a lower appendage that sits forward of the main body of the hanger. The genuine hanger typically has “Mack” or “Volvo” cast into the part. (pp. 20–21)



NAVISTAR / INTERNATIONAL®: CORPORATE AIR
Identifiable by the long thin hanger with a hole cut out of the center. (pp. 22–23)

REAR TRUCK AIR SUSPENSIONS

The Rear Truck Air Suspensions covered in this manual are noted below.
Additional information, exploded views and parts lists can be found in the Line Haul or Concrete Mixer sections.
For a complete offering see 700F Euclid Suspension parts book.

LINE HAUL



PETERBILT: AIR LEAF

Identifiable by the unique mounting method for the spring. There are two bolts that connect the spring to the hanger. The bolts are located below the spring on the Air Leaf and there is no torque arm connecting the hanger to the axle. (pp. 24–25)

CONCRETE MIXER



PETERBILT: AIR TRAC

The leaf spring is not attached to the hanger as it slides within the hanger on a wear pad. The torque arm mounts to the hanger immediately below the spring connecting to the axle. (pp. 26–27)

LINE HAUL



PETERBILT: AIRGLIDE 210

Identifiable by the shorter hanger with the spring eye bushing mounted to the rear of the hanger. The genuine hanger typically has "PACCAR" cast into the part. (pp. 28–29)

LINE HAUL



PETERBILT: FLEX AIR

Identifiable by the unique curved flex spring visible between the wheels. (pp. 30–31)

CONCRETE MIXER



SAF-HOLLAND NEWAY: AD-123

Identifiable by the long curved equalizer beam assembly. This beam is connected to the opposing equalizer beam by a transverse beam assembly that supports the air springs. (pp. 80–81)

CONCRETE MIXER

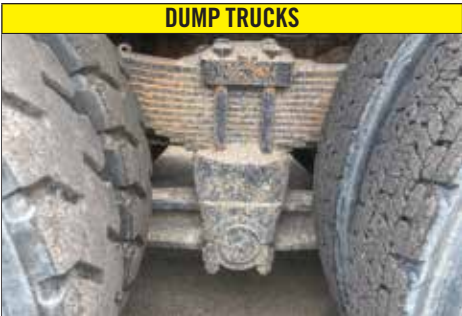


SAF-HOLLAND NEWAY: ADZ

The ADZ suspension has a straighter beam than the AD-123 and has a rigid connection to the transverse beam. The suspension also uses a "V" style torque rod. (pp. 82–83)

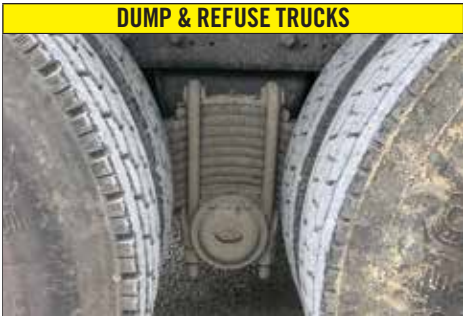
REAR TRUCK LEAF SPRING SUSPENSIONS

The Rear Truck Leaf Spring Suspensions covered in this manual are noted below.
Additional information, exploded views and parts lists can be found in the Dump Truck or Refuse Truck sections.
For a complete offering see 700F Euclid Suspension parts book.



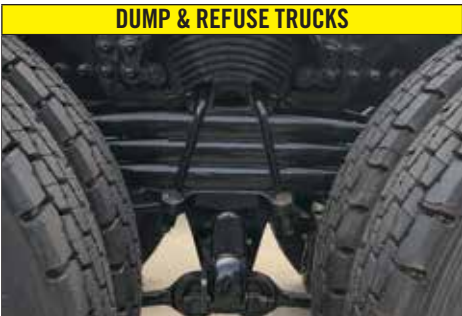
HENDRICKSON: RT®

Identifiable by the walking beam connected to the bottom of the leaf spring stack. (pp. 56–57)



MACK: SS44 SERIES, CAMELBACK

Identifiable by the large hump in the leaf spring stack, lending to the suspensions name. (pp. 58–59, 70–71)



FREIGHTLINER: TUFTRAC®

This suspension uses both leaf springs and a large bolster spring mounted above the leaf springs. (pp. 48–49, 62–63)

REAR TRUCK BOLSTER / RUBBER SPRING SUSPENSIONS

The Rear Truck Bolster / Rubber Spring Suspensions covered in this manual are noted below. Additional information, exploded views and parts lists can be found in the Dump Truck or Refuse Truck sections. For a complete offering see 700F Euclid Suspension parts book.

DUMP TRUCKS



CHALMERS: 800 SERIES

Identifiable by the single bolster spring located directly on top of the walking beam, this suspension also features two torque arms below the walking beam. (pp. 46–47, 74–75)

DUMP & REFUSE TRUCKS



HENDRICKSON: HAULMAAX®

Identifiable by four ribbed bolster springs, the HAULMAAX model has four bolster springs per side. (pp. 50–51, 64–65)

DUMP & REFUSE TRUCKS



HENDRICKSON: HN®

Identifiable by two large ribbed bolster springs, the HN model only features two bolster springs per side. (pp. 54–55, 68–69)

DUMP & REFUSE TRUCKS



HENDRICKSON: HAULMAAX EX®

Identifiable by two rows of frame mounting bolts, a circular rubber load spring and four ribbed bolster springs per side. (pp. 52–53, 66–67)

CONCRETE MIXER



HENDRICKSON: RS®

Identifiable by the bolster springs sitting directly below the frame, this suspension can have 2–3 bolster springs per side. (pp. 78–79)

TRAILER AIR SUSPENSIONS

The Trailer Air Suspensions covered in this manual are noted below.

Additional information, exploded views and parts lists can be found in the Line Haul and Vocational Trailer sections.

For a complete offering see 700F Euclid Suspension parts book.

LINE HAUL



HENDRICKSON: INTRAAX®

Identifiable by the Hendrickson logo found on the outer alignment washer. The width of the bottom of the hanger for the wide bushing versions is 7.25", for the narrow bushing versions it is 4.12". The ULTRAAX-K version (Right photo) is easily identifiable by the unique shape of the hanger, this suspension uses the narrow bushing. (pp. 34–35)

LINE HAUL & VOCATIONAL



MERITOR®: MTA

Identifiable by the unique groove or channel in the outer alignment washer. (pp. 88–89)

LINE HAUL



MERITOR®: RHP / MPA RIDESENTRY

Identifiable by the large center hanger with "V" notches which supports two axles. There are also two torque arms at the bottom of the center hanger. (pp. 38–39)

LINE HAUL



SAF-HOLLAND NEWAY: CBX23 / 25

Identifiable by the rounded bottom of the hanger and the adjustment mechanism mounted to the front of the hanger. (pp. 40–41)

TRAILER LEAF SPRING SUSPENSIONS

The Trailer Leaf Spring Suspensions covered in this manual are noted below. Additional information, exploded views and parts lists can be found in the Line Haul and Vocational Trailer sections. For a complete offering see 700F Euclid Suspension parts book.

LINE HAUL



HUTCH: H7700 / 9700

Identifiable by the shape of the equalizer and a 1-1/8" diameter equalizer bolt. The Reyco 88 uses a similar style equalizer but has a 1" diameter bolt and a flatter bottom on the center hanger. (pp. 36–37)

VOCATIONAL



HUTCH: H900

Identifiable by trunnion housing located below the leaf spring and the lack of torque rods. Can be easily mistaken for Neway and Watson & Chalin trunnion suspension that are very similar. (pp. 86–87)

VOCATIONAL



REYCO: 21B CAST

Identifiable by the large washer located on the cast center hanger. (pp. 90–91)

LINE HAUL



SAF-HOLLAND: DURALITE (BINKLEY)

Identifiable by the straight bottom on the center hanger and the two holes located on either end of the equalizer. (pp. 42–43)





LINE HAUL TRACTOR



**FREIGHTLINER:
FAS II AIRLINER®**



**KENWORTH:
AIRGLIDE 100®**



**KENWORTH:
AIRGLIDE 200® / 400®**



**MACK® / VOLVO:
CORPORATE AIR**



**NAVISTAR / INTERNATIONAL®:
CORPORATE AIR**



**PETERBILT:
AIR LEAF**



**PETERBILT:
AIR TRAC**



**PETERBILT:
AIRGLIDE 210**



**PETERBILT:
FLEX AIR**

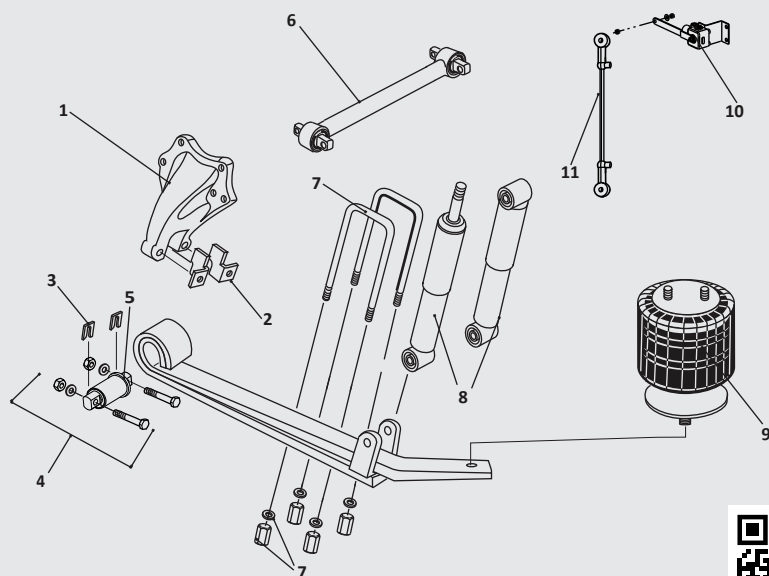


Truck, Drive Axle, Air Ride, Single or Tandem Axle, Requires Transverse Torque Arm



FAS II AirLiner is the most common Freightliner suspension on the road today, especially on highway tractors. This air ride suspension can be found on everything from long haul over the road trucks to smaller straight trucks. The suspension features a spring eye bushing connected to a “hockey stick” style spring.

Exploded View



SCAN FOR VISUAL SEARCH ON [MERITORPARTSEXPRESS.COM](https://www.meritorpartsexpress.com)

WEAR ITEMS

Spring eye bushing wear and walk out. Air springs, shocks and Height Control Valve (HCV).



TECH TIP

Newer designed spring eye bushings include a shoulder to reduce bushing walkout.

KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER AXLE
1	E-16649	16-13901-000	Hanger, Ductile Iron, Standard Flange — 1-1/4" Thick	2
2	E-8803	681-325-22-09	Hanger Wear Pad, Right Hand	2
	E-8802	681-325-21-09	Hanger Wear Pad, Left Hand	2
	E-16651	16-16456-001	Hanger Wear Pad, Right Hand, Use With Anti-Walk Bushing E-15541	2
	E-16652	16-16456-000	Hanger Wear Pad, Left Hand, Use With Anti-Walk Bushing E-15541	2
3	E-8805	681-328-13-84	Alignment Shim, 1/8"	As Required
	E-8806	681-328-21-84	Alignment Shim, 1/16"	As Required
	E-8809	681-328-16-84	Alignment Shim, 1/16" Thick x 4-3/8" Long	As Required
	E-8810	681-328-19-84	Alignment Shim, 1/8" Thick x 4-3/8" Long	As Required
4	E-17005	-	Front Pivot Bushing Kit, Includes Bushing, Bolts, Washers, and Nuts	2
5	E-15541	16-16412-001	Spring Eye Bushing, Rubber, Anti-Walk	2
	GAFF11083	-	Spring Eye Bushing, Poly, Anti-Walk	2
	E-15600	-	Spring Eye Bushing, Rubber, Anti-Walk, .050" Oversize OD	As Required
	GAFF11084	-	Spring Eye Bushing, Poly, Anti-Walk, .050" Oversize OD	As Required
6	E-15536	681-326-67-16	Torque Arm, 23-15/16" Center-to-Center, E-15536 Includes E-5275 Bushings	1
	GAFF11078	-	Torque Arm, 23-15/16" Center-to-Center, Includes GAFF11004 Poly Bushings	1
	E-15542	16-16749-002	Torque Arm, 24-3/8" Center-to-Center, E-15542 Includes E-5275 Bushings	1
	GAFF11081	-	Torque Arm, 24-5/16" Center-to-Center, Includes GAFF11004 Poly Bushings	1
7	E-UB8267-153	681-325-03-25	U-Bolt Assembly, Special Bend, 7/8"-14 Thd. x 5-3/16" Wide x 15-3/8" Long	4
8	M85319	681-326-04-00	Shock Absorber	2
	M89428	681-326-04-00	Shock Absorber, Premium Adjustable	2
	M85724	16-13957-000	Shock Absorber	2
9	FS9781	681-320-00-17, 16-14004-000, 16-16773-000	Firestone Air Spring	2
	EAS9781	681-320-00-17, 16-14004-000, 16-16773-000	Euclid Air Spring	2
	FS9780	16-14377-000	Firestone Air Spring	2
	EAS9780	16-14377-000	Euclid Air Spring	2
10	E-9624	H00500C	Universal Height Control Valve, Hadley Model 500, Apply Air To Dump	1
	E-14731	H01501UD	Universal Height Control Valve, Hadley Next Gen, Apply Air To Dump	1
11	E-9625	HPB450-3	Universal Leveling Valve Link Kit	1

For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/LOD.

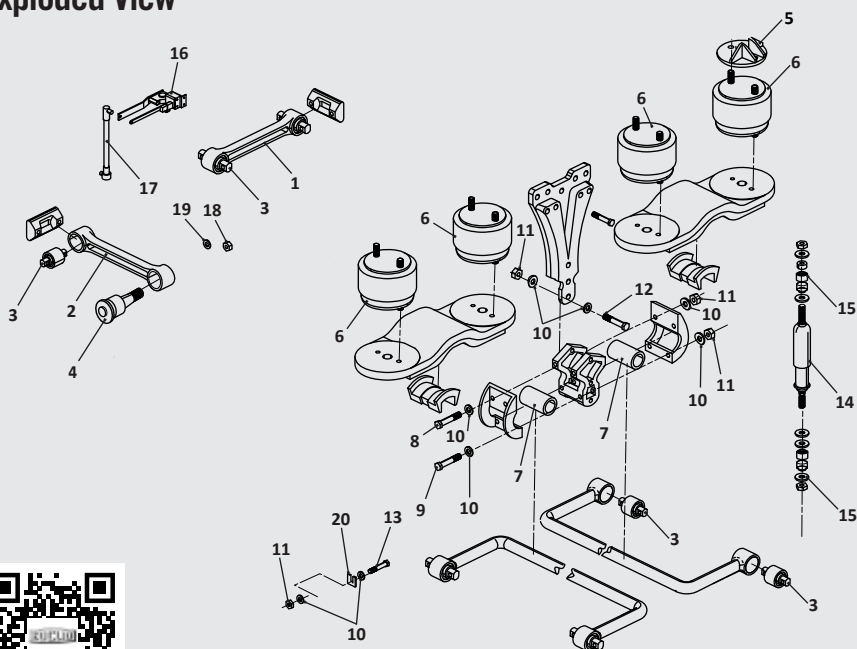


Truck, Drive Axle, Air Ride, Tandem Axles



AirGlide 100® is an air suspension that is of the parallelogram style, commonly known as the 8 bag suspension. The suspension features eight air bags that pivot on two stabilizer rods connected to a central support bracket.

Exploded View



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WEAR ITEMS

Stabilizer / torsion bar bushing, air springs, shocks, Height Control Valve (HCV).



KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER TANDEM
1	E-15711	K195-375; 944270	Torque Arm, 24" Center-to-Center, E-2226 Straddle Mount Rubber Bushings	2
	GAFF11751	-	Torque Arm, 24" Center-to-Center, Straddle Mount Poly Bushings	2
	GAFF11751EZ	-	Torque Arm, 24" Center-to-Center, Rotating Pin, Straddle Mount Poly Bushings	2
	E-15611	925150	Torque Arm, 25" Center-to-Center, E-2226 Straddle Mount Rubber Bushings	2
2	E-15708	K195-376; 925031	Torque Arm, 24" Center-to-Center, Includes Straddle Mount Bushing and Tapered Stud Bushing	2
	GAFF11080	-	Transverse Torque Arm, 24" Center-to-Center, Straddle / Taper, Includes Poly Bushings	2
	GAFF11080EZ	-	Transverse Torque Arm, 24" Center-to-Center, Rotating Pin, Straddle / Taper, Includes Poly Bushings	2
3	E-10303	836940; 839310	Torque Arm & Stabilizer Rod Bushing, Rubber, Straddle Mount	8
	E-10303-P	-	Torque Arm & Stabilizer Rod Bushing, Rubber, Straddle Mount, Price Point	8
	GAFF11729	-	Torque Arm & Stabilizer Rod Bushing, Poly, Straddle Mount	8
	E-2226	227720	Torque Arm & Stabilizer Rod Bushing, Rubber, Straddle Mount	8
	GAFF13520	-	Torque Arm & Stabilizer Rod Bushing, Poly, Straddle Mount	8
	GAFF83520	-	Torque Arm & Stabilizer Rod Bushing, Rotating Pin, Poly, Straddle Mount	8
	E-4664	227722	Torque Arm Bushing, Straddle Mount, Aluminum Pin	8
4	E-2228	229610	Torque Arm Bushing, Rubber, Tapered Stud	2
	GAFF13518	-	Torque Arm Bushing, Poly, Tapered Stud	2
5	E-5075	K048-449	Air Spring Bracket	8
6	FS9422	K303-6; K303-14; K303-15	Firestone Air Spring to 1994	8
	EAS9422	K303-6; K303-14; K303-15	Euclid Air Spring to 1994	8
	FS9616	K303-16	Firestone Air Spring with Bracket, 1995 and up	8
	EAS9616	K303-16	Euclid Air Spring with Bracket, 1995 and up	8
7	E-4669	K066-58; K066-50	Stabilizer Bushing, Rubber	4
	GAFF11502	K066-449	Stabilizer Bushing, Poly	4
	GAFF11719	-	Stabilizer Bushing, Oversize, Poly	4
8	E-16690	K041-724-260P	Stabilizer Bar Mounting Bolt, Top of Bracket, M20-2.5 x 260mm Long	4
9	E-16226	K041-717-160P	Stabilizer Bar Mounting Bolt, Bottom of Bracket, M16-2.0 x 160mm Long	4
10	E-2547	-	Washer for 16mm Bolt	As Required
	E-2545	-	Washer for 20mm Bolt	As Required
11	E-8841	-	Lock Nut, M16-2.0	As Required
	E-16229	-	Lock Nut, M20-2.5mm	As Required
12	E-16415	-	Stabilizer Block Mounting Bolt, M16-2.0 x 170mm Long, Fabricated Hanger Bracket	6
13	E-16230	K041-712-130P	Stabilizer End Mounting Bolt, M16-2.0 x 120mm	8
	E-16225	K041-712-150P	Stabilizer End Mounting Bolt, M16-2.0 x 150mm	8
14	M85310	K374-87	Shock Absorber	4
	M89423	K374-7, K374-9, K374-29	Shock Absorber, Premium Adjustable	4
15	GAFF11550	CA368-6	Shock Bushing, Poly, For Stud Mounted Shocks	16
16	E-9624	H00500C	Universal Height Control Valve, Hadley Model 500, Apply Air To Dump	1
	E-14731	H01501UD	Universal Height Control Valve, Hadley Next Gen, Apply Air To Dump	1
17	E-9625	-	Universal Linkage Kit	1
18	E-2017	49NE2012	Torque Arm Mounting Nut For Tapered Pin Bushing	2
19	E-2018	-	Torque Arm Washer, 1-5/16" ID	2
20	E-5076	K21-922-3	Alignment Shim, 1/8" Thick	As Required

For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/LOD.

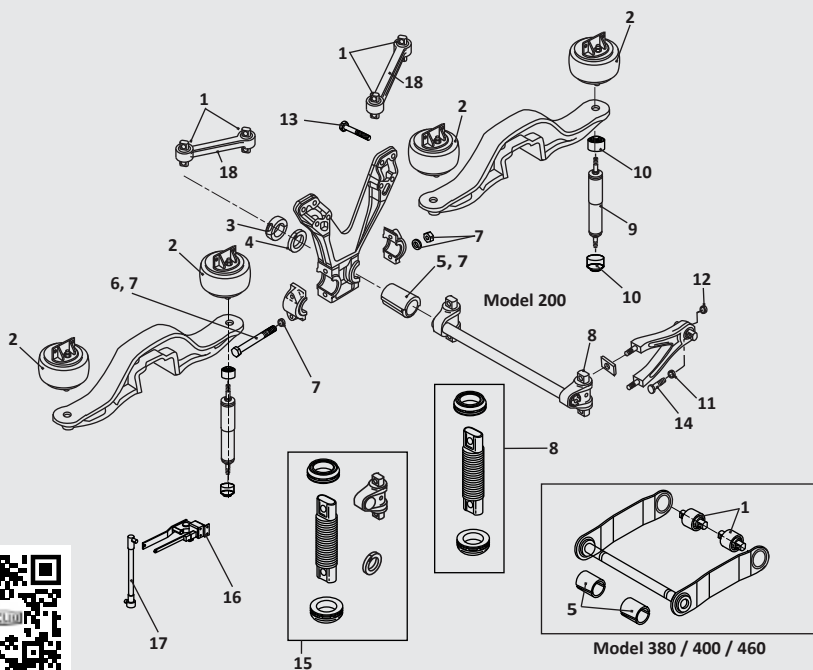


Truck, Drive Axle, Air Ride, Tandem Axles



AirGlide 200–400 is an air suspension that is of the parallelogram style, commonly known as the 8 bag suspension and is the latest generation of the AirGlide system. The suspension features eight air bags that pivot on two stabilizer rods connected to a central support bracket. The AirGlide 200–400 is commonly found on Newer Kenworth Tractors used in line haul applications.

Exploded View



SCAN FOR VISUAL SEARCH ON MERITORPARTSEXPRESS.COM

WEAR ITEMS

Stabilizer / torsion bar bushing, air springs, shocks, Height Control Valve (HCV).



TECH TIP

Loose fasteners that are allowed to operate for any period of time will result in irreversible damage. Retightening a worn fastener will not correct a situation created by loose operation. It is imperative that fastener and other affected parts including bushings be replaced.

KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER TANDEM
1	E-10303	836940	Torque Arm & Stabilizer Rod Bushing, Rubber, Straddle Mount	8
	E-10303-P	836940	Torque Arm & Stabilizer Rod Bushing, Rubber, Straddle Mount, Price Point	8
	GAFF11729	-	Torque Arm & Stabilizer Rod Bushing, Poly, Straddle Mount	8
2	FS9617	K303-18	Firestone Air Spring	8
	FS9622	K303-22	Firestone Air Spring	8
	EAS9622	K303-22	Euclid Air Spring	8
	FS9625	K303-25	Firestone Air Spring	8
	EAS9625	K303-25	Euclid Air Spring	8
	FS9547	C81-1004	Firestone Air Spring	8
	FS9541	C81-1005	Firestone Air Spring	8
3	E-16115	K220-598	Collar Assembly, 54mm Bar Dia., 40K Models	4
4	E-15618	K066-502-1; K066-454	Thrust Bearing, 54mm Bar Dia., Rubber	4
	E-16112	K066-502-2; K066-461	Thrust Bearing, 58mm Bar Dia., Rubber	4
	GAFF11734	-	Thrust Bearing, 58mm Bar Dia., 46K Models, Poly	As Required
5	E-16091	C13-1004	Torsion Bar Bushing, 54mm Bar Dia., 40K Models, Rubber, Improved OE Version	4
	GAFF11720	-	Torsion Bar Bushing, 54mm Bar Dia., 40K Models, Poly	4
	E-16092	C13-1005	Torsion Bar Bushing, 58mm Bar Dia., 46K Models, Rubber, Improved OE Version	4
	GAFF11743	-	Torsion Bar Bushing, 58mm Bar Dia., 46K Models, Poly	4
6	E-16231	K041-712-290P	Bolt, M16-2.0 x 290mm Long	4
7	E-16119	C13-1006	Torsion Bar Service Kit, 54mm Bar, 40K Models, Includes (4) E-16091 Bushings, (4) E-16231 Bolts and Nuts	1
	E-16093	C13-1007	Torsion Bar Service Kit, 58mm Bar, 46K Models, Includes (4) E-16092 Bushings, (4) E-16231 Bolts and Nuts	1
8	E-16117	K345-5156; K345-5032	Threaded Pin Service Kit, Includes (2) Threaded Pins and Seals	2
	GAFF11733	-	Threaded Pin Service Kit, Includes (1) Threaded Pin, 2 Seals, and (1) GAFF11734 Thrust Bearing (Poly) Key 4	4
9	M85900	70701; 665944; 665903	Shock Absorber	4
	M85902	665950; 665945; 665906	Shock Absorber	4
	M85936	C71-1014; 671962	Shock Absorber	4
	M89456	C71-1014; 671962	Shock Absorber, Premium Adjustable	4
	M85937	C71-1015; 671963	Shock Absorber	4
10	GAFF11550	-	Shock Bushing, Poly, For Stud Mounted Shocks	8
11	E-2547	-	Washer, 5/8" ID, Use with M16 Bolts	16
12	E-8841	-	Lock Nut, M16 - 2.0	16
13	E-16226	K041-712-160P	Bolt, M16 - 2.0 x 160mm Long, Top Row of Hanger	8
14	E-16230	K041-712-120P	Bolt, M16 - 2.0 x 120mm Long	8
15	GAFF11766	C65-1000; C65-1013	Sway Bar Assembly, 58mm Bar, Includes Bushings, For Air Glide 200, 52" Axle Spacing	2
16	E-9624	H00500C	Universal Height Control Valve, Hadley Model 500, Apply Air To Dump	1
	E-14731	H01501UD	Universal Height Control Valve, Hadley Next Gen, Apply Air To Dump	1
17	E-9625	-	Universal Linkage Kit	1
18	GAFF11773	K195-474	Torque Arm, 19-3/4" Center-to-Center, Includes Poly Bushings	4

For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/L0D.



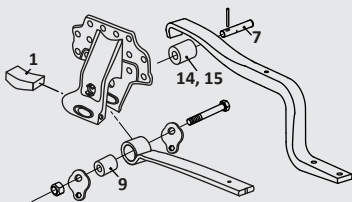
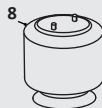
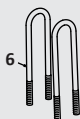
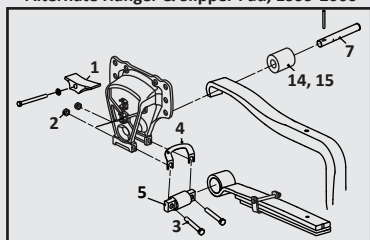
Truck, Drive Axle, Air Ride, Single or Multiple Axles, Transverse Torque Arm



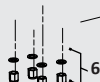
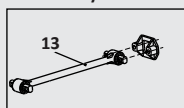
Mack / Volvo Corporate is the most common suspension used on their newer vehicles. This air ride suspension can be found on everything from long haul over the road trucks to smaller straight trucks. The suspension features a “Z” style spring connected to a torque leaf which attaches to the hanger. The Z spring rests in the hanger against a special wear pad. The suspension also requires a transverse torque rod. There have been three different hangers and torque leaf designs used with this suspension and the two most recent versions are shown below.

Exploded View

Alternate Hanger & Slipper Pad, 1999-2006



Straddle Pin Style Transverse Rod



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WEAR ITEMS

Wear pad, torque arm / leaf bushing, air springs, shocks and Height Control Valve (HCV).



KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER AXLE
1	GAFF31145	8079889; 20568741	Wear Pad Kit, 1999 - 2006	2
	GAFF31144	20703083	Wear Pad Kit, 2007 and Later	2
2	E-8911	V8397202	Flange Nut, 5/8"-11, Through 2006	4
3	E-8909	V8397091	Bolt, 5/8"-11 x 6" Long, Through 2006	4
	E-15199	V8397092	Bolt, 5/8"-11 x 6 5/8" Long, Through 2006	4
4	E-5281	V8020329	Alignment Shim	2
5	E-2225	35033-3201	Spring Eye Bushing, Straddle Mount, 2-1/2" OD, 4-3/8" Center-to-Center, 5/8" Bolt Holes	2
	GAFF13522	-	Spring Eye Bushing, Straddle Mount, 2-1/2" OD, 4-3/8" Center-to-Center, 5/8" Bolt Holes, Poly	2
	E-15671	8079894	Spring Eye Bushing, High Confinement, Straddle Mount, 2-1/2" OD, 4-3/8" Center-to-Center, 5/8" Bolt Holes	2
6	E-UB8151-16	V8027431	U-Bolt Assembly, Rd. Bend, 3/4"-16 Thd. x 3" Wide x 16" Long	4
7	E-16806	35026-0001; 8027436	Rebound Pin, 3/4" OD X 5-1/4" Long	2
8	FS9219	35003-3204; 35003-3209	Firestone Air Spring	2
	FS8829	20505399	Firestone Air Spring	2
	EAS8829	20505399	Euclid Air Spring	2
	FS9296	8061151	Firestone Air Spring	2
9	E-16777	20558810	Spring Eye Bushing, Through Hole, After 2006, 7/8" ID x 2-9/16" OD x 3-9/16" Long, Rubber	2
	GAFF31129	-	Spring Eye Bushing, Through Hole, After 2006, 7/8" ID X 2-9/16" OD X 3-9/16" Long, Poly	2
10	M85024	8071524	Shock Absorber	2
	M85046	8026658	Shock Absorber	2
	M85047	8169859	Shock Absorber	2
11	E-9624	H00500C	Universal Height Control Valve, Hadley Model 500, Apply Air To Dump	1
	E-14731	H01501UD	Universal Height Control Valve, Hadley Next Gen, Apply Air To Dump	1
12	E-7852	-	Leveling Valve Link Kit	1
13	E-8821	35801-0068	Torque Arm, 22-1/8" Long, Straddle Mount Bushings, E-8821 Includes E-9395 Bushings	1
	E-3176	-	Torque Arm Kit, Full Ball Design	1
	GAFF18860	30SQ4525	Torque Arm, 22-1/8" Long, Straddle Mount Bushings, Poly Bushings	1
	GAFF18860EZ	-	Torque Arm, 22-1/8" Center-to-Center, Rotating Pin, Poly Bushings	1
14	GAFF13843	8079890	Rebound Roller, Poly	2
15	GAFF11747	-	Roller Kit, Includes Bolt, Nut, Washer, Sleeve, Key 14.	2

For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/L0D.

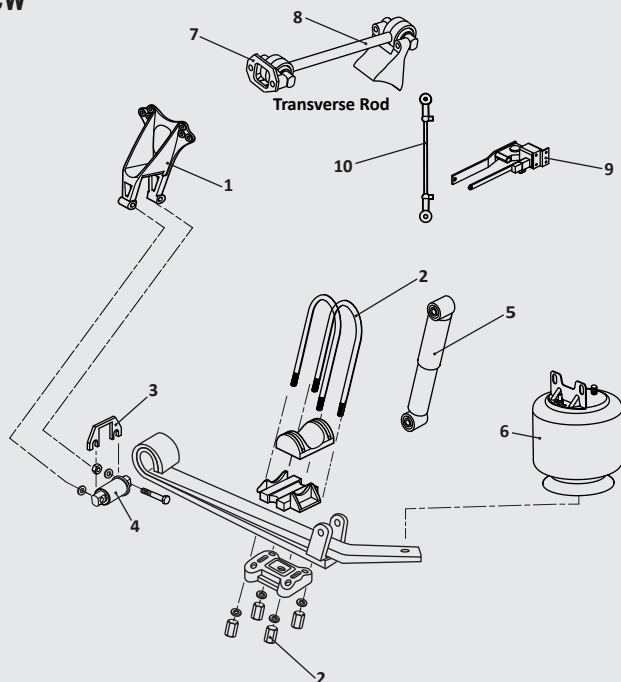


Truck, Drive Axle, Air Ride, Single or Multiple Axles, Transverse Torque Arm



Navistar / International Corporate Air Suspension is the most common Navistar / International suspension used on their vehicles and includes a large opening in the center of the hanger for weight reduction purposes. This air ride suspension can be found on everything from line haul over the road trucks to smaller straight trucks. The suspension features a spring eye bushing connected to a “hockey stick” style spring. The suspension also requires a transverse torque rod.

Exploded View



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WEAR ITEMS

Spring eye bushing wear and walk out. Air springs, shocks and Height Control Valve (HCV) (uses the same spring eye bushing as Freightliner FAS II AirLiner).

KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER AXLE
1	E-16812	3545280C1; 3544131C2	Hanger, Most Models	2
2	E-UB8169-156	-	U-Bolt Assembly, Rd. Bend, 7/8"-14 Thd. x 5-1/2" Wide x 15-3/4" Long	4
	E-UB8169-166	3538842C1	U-Bolt Assembly, Rd. Bend, 7/8"-14 Thd. x 5-1/2" Wide x 16-3/4" Long	4
3	E-16687	65640-002	Shim, 1/16" Thick	As Required
4	E-15541	3538115C5	Spring Eye Bushing, Anti-Walk, Rubber	2
	GAFF11083	-	Spring Eye Bushing, Anti-Walk, Poly	2
	E-15600	-	Spring Eye Bushing, Anti-Walk, Rubber, .050" Oversize OD	As Required
	GAFF11084	-	Spring Eye Bushing, Anti-Walk, Poly, .050" Oversize OD	As Required
5	M85931	3573265C1	Shock Absorber	2
	M89458	-	Shock Absorber, Premium Adjustable	2
6	FS1191	3541731C1	Firestone Air Spring, Includes Bracket	2
	EAS1191	3541731C1	Euclid Air Spring, Includes Bracket	2
7	E-2634	22186-000	Transverse Torque Arm Mounting Bracket	1
8	E-16075	3580088C1; 3548381C1	Transverse Torque Arm, 25-3/8" Center-to-Center, Rubber, Not Rebushable	1
	GAFF34563	-	Transverse Torque Arm, 25-3/8" Center-to-Center, Poly	1
9	E-14731	H01501UD	Universal Height Control Valve, Hadley Next Gen, Apply Air To Dump	1
10	E-9625	HPB450-3	Linkage Kit, Universal	1

For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/L0D.

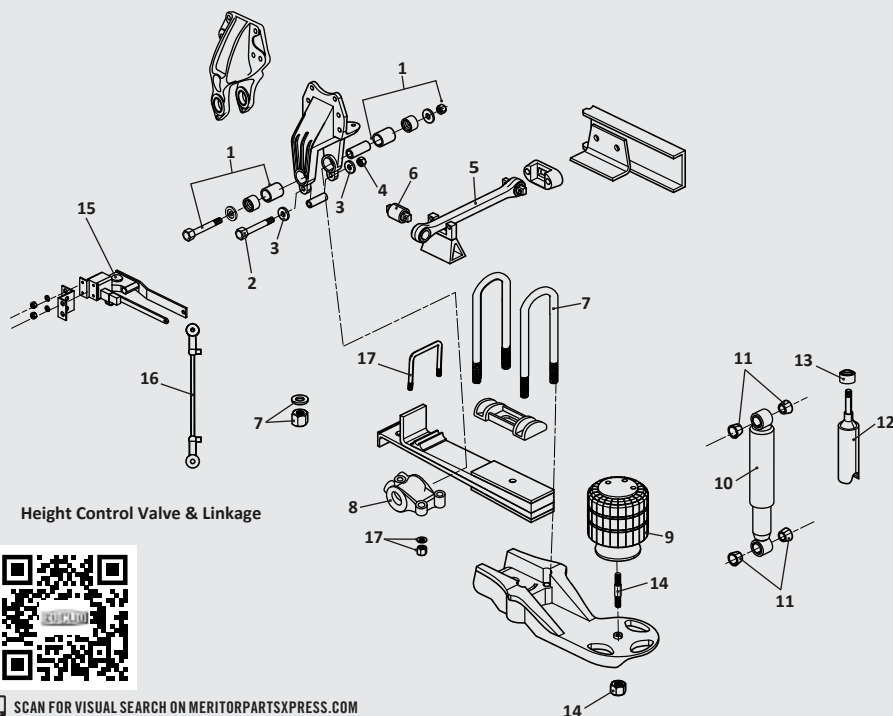


Truck, Drive Axle, Air Ride, Single or Multiple Axles, Transverse Torque Arm



The Air Leaf is an air ride suspension with a distinctive paddle and leaf spring combination supporting the air spring. The suspension features a spring eye bushing housed in a spring eye pivot that is bolted directly to the leaf spring which also replaces the standard torque rod. The suspension also requires a transverse torque rod.

Exploded View



WEAR ITEMS

Spring eye bushing and connecting parts, air springs, shocks and Height Control Valve (HCV).



KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER AXLE
1	E-4773	03AL1	Spring Eye Bushing Kit, Includes Bushing, Spacers & Hardware	2
2	E-1820	-	Bolt, 1/2" X 6-1/2" Long	2
3	E-9603	-	Washer, 1/2" ID	2
4	E-3560	-	Lock Nut, 1/2"-20	2
5	E-4771	03-04059	Transverse Torque Arm, 22-7/8" Center-to-Center, Newer Torque Arms Are Not Rebusable, Older Torque Arms Use E-2225 Rubber Bushings	1
	E-4771-P	03-04059	Transverse Torque Arm, 22-7/8" Center-to-Center, Rubber Bushings, Price Point	1
	GAFF34554	-	Transverse Torque Arm, 22-7/8" Center-to-Center, Poly Bushings, Includes GAFF13520 Bushings	1
	GAFF34554EZ	-	Transverse Torque Arm, 22-7/8" Center-to-Center, Poly, Rotating Pin	1
6	E-2225	227710; 44694	Torque Arm Bushing, Rubber, Straddle Mount	2
	GAFF13522	-	Torque Arm Bushing, Poly, Straddle Mount	2
7	E-UB8375-14	03-03133-150	U-Bolt Assembly, Semi Rd. Bend, 1"-14 Thd. x 4-1/8" Wide x 14" Long	4
	E-UB8375-154	03-03134-151	U-Bolt Assembly, Semi Rd. Bend, 1"-14 Thd. x 4-1/8" Wide x 15-1/2" Long	4
8	E-11749	03-01654	Spring Eye Pivot	2
	E-11749-P	03-01654	Spring Eye Pivot, Price Point	2
9	FS9069	03-01649	Firestone Air Spring	2
	EAS9069	03-01649	Euclid Air Spring	2
10	M85308	03-04176	Shock Absorber	2
	M89424	03-04176	Shock Absorber, Premium Adjustable	2
11	E-401754	73D2002	Shock Bushing, Rubber, For Eye Mounted Shocks	As Required
	GAFF18566	-	Shock Bushing, Poly, For Eye Mounted Shocks	As Required
12	M85311	03-04629	Shock Absorber	2
	M89422	03-04629	Shock Absorber, Premium Adjustable	2
13	GAFF11550	-	Shock Bushing, Poly, For Stud Mounted Shocks	As Required
14	E-7868	27-00173	Air Spring Stud Assembly, 1/2"-20 X 5" Long	2
15	E-9624	H00500C	Universal Height Control Valve, Hadley Model 500, 3/8" Ports, Apply Air To Dump	1
	E-14731	H01501UD	Universal Height Control Valve, Hadley Next Gen, 3/8" Ports, Apply Air To Dump	1
	E-14732	H01501PUD	Universal Height Control Valve, Hadley Next Gen, 1/4" Ports, Apply Air To Dump	1
16	E-9625	-	Universal Linkage Kit	1
17	E-UB8255-05	03-04523	U-Bolt Assembly, Sq. Bend, 3/4"-16 Thd. x 4" Wide x 5" Long	2

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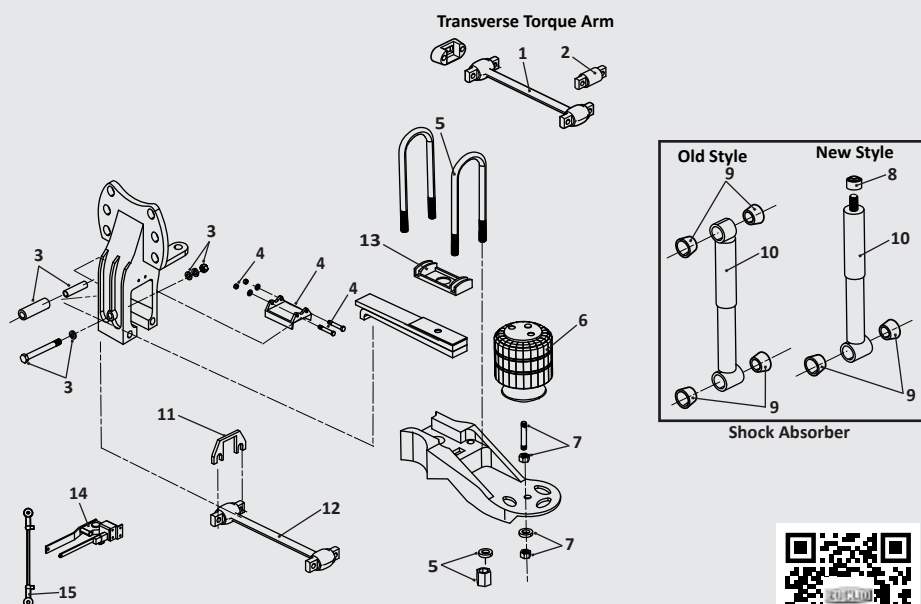


Truck, Drive Axle, Air Ride, Single or Multiple Axles, Transverse Torque Arm



The Air Trac is an air ride suspension and similar to the Air Leaf with a distinctive paddle and leaf spring combination supporting the air spring but it is not rigidly attached to the hanger. The suspension features a lower torque rod that connects to the hanger and runs below the leaf spring to the axle. The older versions have eye mounted shocks while the newer versions have stud mounted shocks. The suspension also features a transverse torque rod.

Exploded View



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WEAR ITEMS

Spring wear pad, torque rod bushing, air springs, shocks and Height Control Valve (HCV).



TECH TIP

Loose fasteners that are allowed to operate for any period of time can cause irreversible damage. Retightening worn fasteners will not correct a situation created by loose operation. It's imperative that fastener and other affected parts including bushings be replaced.

KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER AXLE
1	E-4771	03-04059	Transverse Torque Arm, 22-7/8" Center-to-Center, Newer Torque Arms Are Not Rebusable, Older Torque Arms Use E-2225 Rubber Bushings	1
	E-4771-P	03-04059	Transverse Torque Arm, 22-7/8" Center-to-Center, Rubber Bushings, Price Point	1
	GAFF34554	-	Transverse Torque Arm, 22-7/8" Center-to-Center, Poly Bushings, Includes GAFF13520 Bushings	1
	GAFF34554EZ	-	Transverse Torque Arm, 22-7/8" Center-to-Center, Poly Bushings, Rotating Pin	1
2	E-2225	227710; 44694	Torque Arm Bushing, Rubber, Straddle Mount	2
	GAFF13522	-	Torque Arm Bushing, Poly, Straddle Mount	2
3	E-7854	-	Spring Roller Bushing Kit Includes Bushing, Spacer, and Hardware	2
4	E-7862	23-12566	Wear Pad Kit, 1/2" Bolts, Use With E-16711 Hanger	2
	E-15658	03-07296	Wear Pad Kit, 5/8" Bolts	2
5	E-UB8375-14	03-03133-150	U-Bolt Assembly, Semi Rd. Bend, 1"-14 Thd. x 4-1/8" Wide x 14" Long	4
	E-UB8375-154	03-03134-151	U-Bolt Assembly, Semi Rd. Bend, 1"-14 Thd. x 4-1/8" Wide x 15-1/2" Long	4
6	FS9069	03-01649; 03-02038; 03-02456	Firestone Air Spring	2
	EAS9069	03-01649; 03-02038; 03-02456	Euclid Air Spring	2
7	E-7868	27-00173	Air Spring Stud Assembly, 1/2"-20 x 5" Long	2
8	GAFF11550	-	Shock Bushing, Poly, For Stud Mounted Shocks	As Required
9	E-401754	-	Shock Bushing, Rubber For Eye Mounted Shocks	As Required
	GAFF18566	-	Shock Bushing, Poly For Eye Mounted Shocks	As Required
10	M85308	03-04176	Shock Absorber	2
	M89422	03-04176	Shock Absorber, Premium Adjustable	2
	M85311	03-04629	Shock Absorber	2
	M89424	03-04629	Shock Absorber, Premium Adjustable	2
11	E-5281	-	Torque Arm Shim, 1/16" Thick	As Required
12	E-5082	03-04119	Torque Arm with 5/8" Hole in Both Bushings, 17-11/32 Center-to-Center, Includes E-2226 Bushings	2
	E-5083	03-04327	Torque Arm with 5/8" Hole Hanger End, 3/4" Hole Axle End, 17-11/32 Center-to-Center, Includes (1) E-2226 and (1) E-3868 Bushing	2
	E-5083-P	-	Torque Arm with 5/8" Hole Hanger End, 3/4" Hole Axle End, 17-11/32 Center-to-Center, Includes Bushings, Price Point	2
	GAFF12395	-	Torque Arm with 5/8" Hole Hanger End, 3/4" Hole Axle End, 17-11/32" Center-to-Center, GAFF12395 Includes (1) GAFF13520, (1) GAFF13528 Poly Bushings	2
	GAFF12395EZ	-	Torque Arm with 5/8" Hole Hanger End, 3/4" Hole Axle End, 17-11/32" Center-to-Center, Rotating Pin, GAFF12395 Includes (1) GAFF83520, (1) GAFF13528 Poly Bushings	2
13	E-4781	03-01656	Top Plate	2
	E-4781-P	-	Top Plate, Price Point	2
14	E-9624	H00500C	Universal Height Control Valve, Hadley Model 500, 3/8" Ports, Apply Air To Dump	1
	E-14731	H01501UD	Universal Height Control Valve, Hadley Next Gen, 3/8" Ports, Apply Air To Dump	1
	E-14732	H01501PUD	Universal Height Control Valve, Hadley Next Gen, 1/4" Ports, Apply Air To Dump	1
15	E-9625	-	Universal Linkage Kit	1

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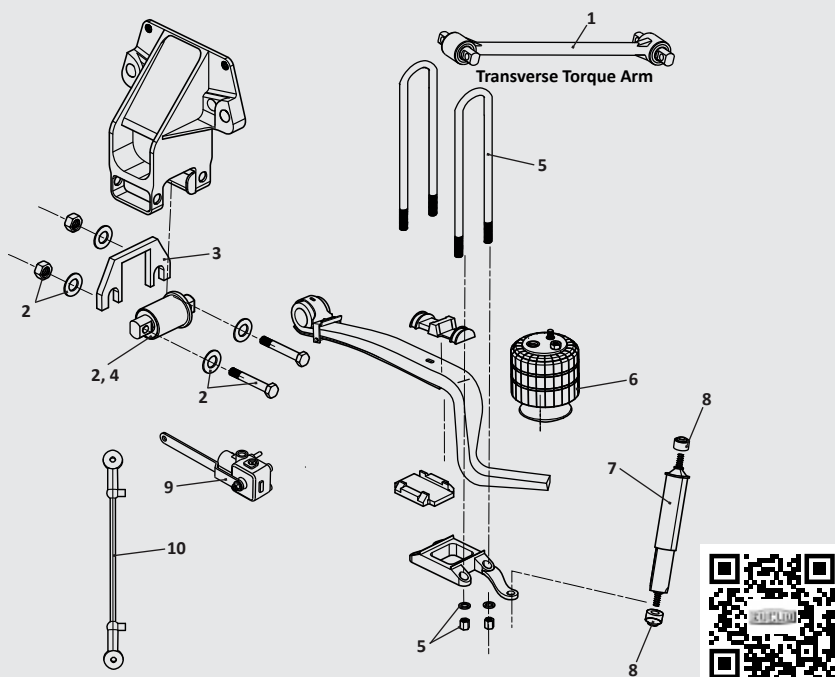


Truck, Drive Axle, Air Ride, Single or Multiple Axles, Transverse Torque Arm



The AirGlide 210 is an air ride suspension can be found on everything from long haul over the road trucks to smaller straight trucks. The suspension features a spring eye bushing connected to a twisted “Z” style spring. The suspension also requires a transverse torque rod.

Exploded View



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WEAR ITEMS

Spring eye bushing wear and walk out. Air springs, shocks and Height Control Valve (HCV). The Airglide 210 uses the same spring eye bushing as Freightliner FAS II AirLiner.

KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER AXLE
1	E-16118	TR030020010	Transverse Torque Arm, 25-9/16" Center-to-Center, Not Rebusable	1
	GAFF11792	-	Transverse Torque Arm, 25-9/16" Center-to-Center, Includes GAFF13521 Poly Bushings	1
2	E-17006	-	Front Pivot Bushing Kit, Includes Bushing, Bolts, Washers, and Nuts	2
3	E-16687	-	Torque Arm Shim, 1/16" Thick	As Required
4	E-15541	-	Spring Eye Bushing, Anti-Walk, Rubber	2
	GAFF11083	-	Spring Eye Bushing, Anti-Walk, Poly	2
	E-15600	-	Spring Eye Bushing, Anti-Walk, .050" Oversize, Rubber	As Required
	GAFF11084	-	Spring Eye Bushing, Anti-Walk, .050" Oversize OD, Poly	As Required
5	E-UB8161-15	-	U-Bolt Assembly, Rd. Bend, 7/8"-14 Thd. x 3" Wide x 15" Long	-
6	FS8864	C81-1011	Firestone Air Spring	2
	EAS8864	C81-1011	Euclid Air Spring	2
7	M85069	03-08781	Shock Absorber	2
8	GAFF11550	-	Shock Bushing, Poly, For Stud Mounted Shocks	4
9	E-14731	H01501UD	Height Control Valve, Hadley Next Gen, Apply Air To Dump	1
10	E-9625	HPD450-3	Universal Linkage Kit	1

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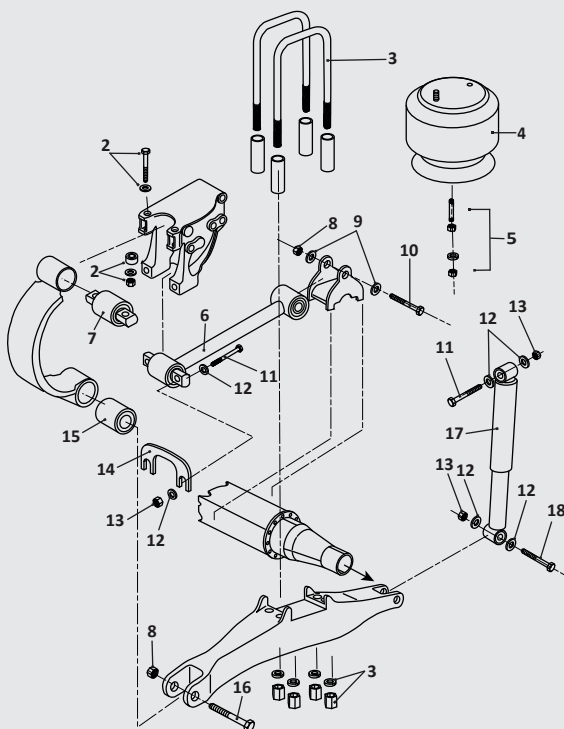
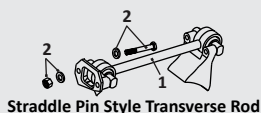


Truck, Drive Axle, Air Ride, Single or Multiple Axles, Transverse Torque Arm



The FLEX Air is an air ride suspension that can easily be identified by the curved leaf spring running in front of the hanger and curving down to the axle. It features a torque rod running from the bottom of the hanger back to the axle. The suspension also requires a transverse torque rod.

Exploded View



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⚙️ WEAR ITEMS

Spring eye bushings, torque rod bushing, air springs, shocks and Height Control Valve (HCV).



TECH TIP

Loose fasteners that are allowed to operate for any period of time will result in irreversible damage. Retightening a worn fastener will not correct a situation created by loose operation. It is imperative that fastener and other affected parts including bushings be replaced.

KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER AXLE
1	E-15709	C65-6002; C65-6009	Transverse Torque Arm, 25-9/16" Center-to-Center, New Torque Arms Are Not Rebushable. Older Torque Arms Use E-5275 Bushings	1
	GAFF11792	-	Transverse Torque Arm, 25-1/2" Center-to-Center, Includes GAFF13521 Poly Bushings	1
2	E-16088	-	Bolt Assembly, M16 - 2.0 x 150mm Long, Includes Bolt, Nut, Washers	As Required
	E-16105	-	Bolt Assembly, M16 - 2.0 x 160mm Long, Includes Bolt, Nut, Washers	As Required
3	E-UB8268-134	C34-6000	U-Bolt Assembly, Sq. Bend, 7/8"-14 Thd. x 5-1/8" Wide x 13-1/2" Long	4
4	FS8813	C81-6000	Firestone Air Spring	2
	EAS8813	C81-6000	Euclid Air Spring	2
5	E-7868	27-00173	Air Spring Stud Assembly, 1/2"-20 x 5" Long, Includes Washer and 2 Nuts	2
6	E-16098	C65-6000-001	Torque Arm, Front, 23-3/4" Center-to-Center, Not Rebushable, Rubber	2
	GAFF12397	-	Torque Arm, Front, 23-3/4" Center-to-Center, Rebushable, Poly	2
	E-16099	C65-6000-002	Torque Arm, Rear, 24-5/8" Center-to-Center, Not Rebushable, Rubber	2
	GAFF11795	-	Torque Arm, Rear, 24-5/8" Center-to-Center, Rebushable, Poly	2
7	E-16094	C13-6001	Spring Eye Bar Pin Bushing, Rubber	2
	GAFF11765	-	Spring Eye Bar Pin Bushing, Poly	2
8	E-1835	-	Lock Nut, 7/8"-14	4
9	E-2546	-	Washer, 7/8" ID	4
10	E-15182	-	Torque Arm Bolt, 7/8"-14 x 5-1/2" Long	2
11	E-16224	-	Bolt, 5/8"-18 x 5-1/2" Long, Replacement for OE 16mm Bolt	6
12	E-2547	-	Washer, 5/8" ID	12
13	E-1943	-	Lock Nut, 5/8"-18	8
14	E-5281	-	Torque Arm Shim, 1/16" Thick	As Required
15	E-16097	C65-1002; C13-6002	Spring Eye Hollow Bushing	2
16	E-3693	-	Bolt, 7/8"-14 x 6-1/2" Long	2
17	M85067	C71-6000	Shock Absorber	2
18	E-3792	-	Bolt, 5/8"-18 x 4-1/2" Long	2

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LINE HAUL TRAILER



HENDRICKSON:
INTRAA[®]



HUTCH:
H7700 / 9700



MERITOR[®]:
RHP / MPA RIDSENTRY



SAF-HOLLAND NEWAY:
CBX23 / 25



SAF-HOLLAND NEWAY:
DURALITE (BINKLEY)



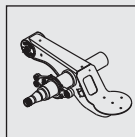
Trailer, Air Ride, Single Axle



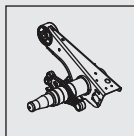
The INTRAAX / VANTRAAX / ULTRAAX-K series of air spring suspensions comes in many different versions but all of them have a beam that is welded to the axle, thereby eliminating the need for U-Bolts. The main identifying feature is the type of trailing arm used in the suspension and the width of the main (Tri-functional) bushing. There is a wide version (7.25" hanger width) and a narrow version (4.12" hanger width). Below are drawings of the three main versions of the trailing arm and the suspension types they can be found on.

Exploded View

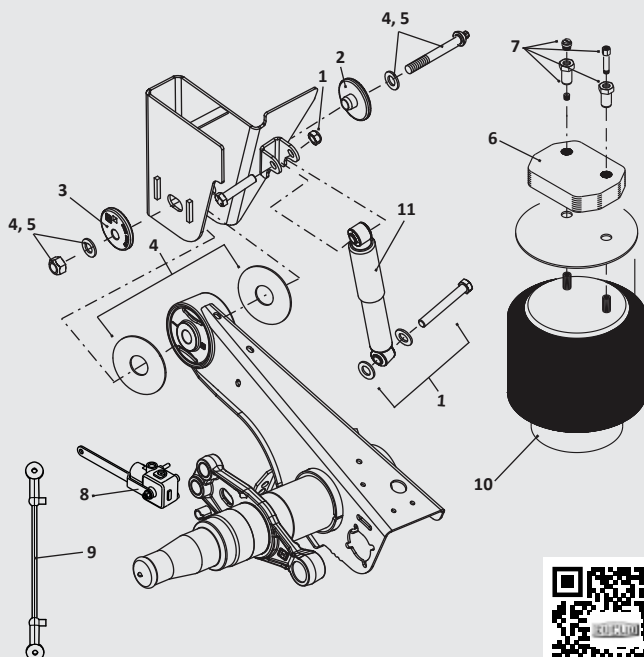
AAL, AANL, AANLS, AAEDL



AANT & AAZNT



AAT, AAEDT



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WEAR ITEMS

Tri-functional bushing and adapters. Air springs, shocks and Height Control Valve (HCV).



TECH TIP

As a part of your routine maintenance, visually examine all trailer pivot connections by looking up at the bushing tube from under the trailer, specifically inspecting the voids and metal cores.

KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER AXLE
1	E-16352	S-24757/2	Shock Bolt Kit, 5" Dia Axles for AAL, AAEDL AAZL Fronts; All HKA Models	2
	E-14780	S-2157/2	Shock Bolt Kit, AAL, AANL, AAEDL Rear	2
2	E-10755	S-20924	Alignment Collar — Concentric (Inner) QUIK-ALIGN™	2
3	E-10754	S-20925	Alignment Collar — Eccentric (Outer) QUIK-ALIGN™	2
4	E-10729A	S-24691	Tri-Function Bushing Kit - QUIK-ALIGN™, Includes Bushing & Hardware, All Models with Wide Bushings, Rubber	2
	GAFF13744	-	Tri-Function Bushing Kit - QUIK-ALIGN™, Includes Bushing & Hardware, All Models with Wide Bushings, Poly	2
	E-14377	S-26321	Tri-Function Bushing Kit - QUIK-ALIGN™, Includes Bushing & Hardware, Does 1 Axle, All Models with Narrow Bushing, Rubber	1
	GAFF13743	-	Tri-Function Bushing Kit - QUIK-ALIGN™, Includes Bushing & Hardware, Does 1 Axle, All Models with Narrow Bushing, Poly	1
5	E-10730A	S-24679	Pivot Bolt Kit - QUIK-ALIGN™, 10-1/2" Long Bolt, All Models with Wide Bushings	2
	E-14635	S-24705	Pivot Bolt Kit - QUIK-ALIGN™, 7" Long Bolt, All Models with Narrow Bushing	2
6	E-14777	B-22510-4	Air Spring Spacer 3/4" Thick, Plastic	2
	E-14339	B-22510-1	Air Spring Spacer 1-1/8" Thick, Plastic	2
	E-14340	B-22510-2	Air Spring Spacer 1-7/8" Thick, Plastic	2
	E-14341	B-22510-3	Air Spring Spacer 3-1/8" Thick, Plastic	2
7	E-14342	S-22619/2	Air Spring Fitting Kit; w/out Plastic Spacer;	2
	E-14343	S-22630/2	Air Spring Fitting Kit; Use With 1-1/8". Thick Plastic Spacer	2
	E-14345	S-22632/2	Air Spring Fitting Kit; Use With 3-1/8". Thick Plastic Spacer	2
	E-14344	S-22631/2	Air Spring Mounting Kit; Use With 3-1/8". Thick Plastic Spacer & All HKA Models	2
	E-16368	S-22635/2	Air Spring Fitting Kit; Use With 3/4". Thick Plastic Spacer; All Models Except AAEDT	2
8	E-11855	VS-227	Height Control Valve	1
9	E-14789	S-14187	Linkage Kit	1
Not Shown	E-9575	S-21307	Rebush Tool (Wide Bushing), Except AANL & AANLS	As Required
	E-14634	S-24736	Rebush Tool (Narrow Bushing), AANL & AANLS Models	As Required
10	See INTRAAX Air Springs Section, Page 100	Various	Air Spring Assembly	2
11	See INTRAAX Shock Absorbers Section, Page 102	Various	Shock Absorber	2

For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/L0D.

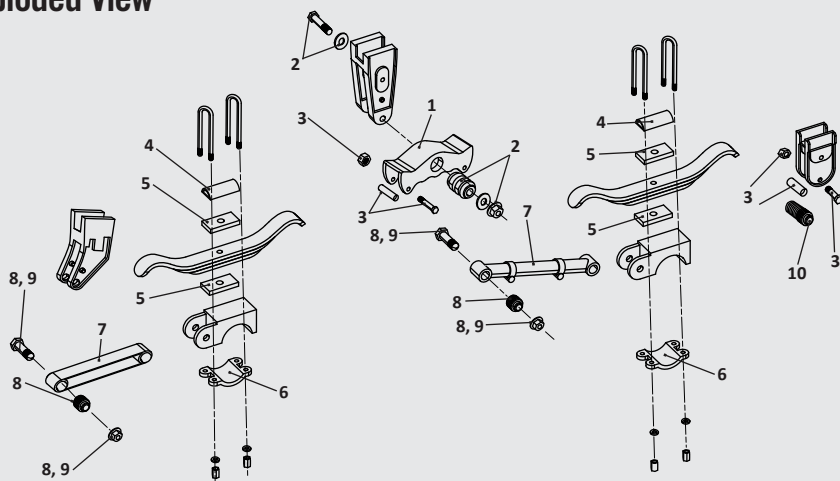


Trailer, Leaf Spring, Single, Tandem or More Axles

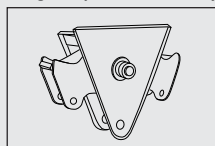


H7700 / 9700 is the most common leaf spring suspension used on trailers. This suspension comes in multiple axle spacing configurations, 42" to 121", with the 42-1/2" and 49" being the most popular configurations. The H7700 models had two bolts attaching the equalizer through the hanger and was replaced in the mid 1990s by the H9700 which uses only one larger bolt to attach the equalizer. The suspension comes in two major variants the cast and fabricated version with the cast version providing better durability for heavy / severe duty applications.

Exploded View



Series 10
Hanger/Equalizer Assembly



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WEAR ITEMS

Equalizer and bushing, torque arms.



TECH TIP

1. Loose fasteners that are allowed to operate for any period of time will result in irreversible damage. Retightening a worn fastener will not correct a situation created by loose operation. It is imperative that fastener and other affected parts including bushings be replaced.
2. Always carefully inspect the spring and axle clamp components for any signs of wear or cracks, and replace if visible wear or cracks are present.

KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER TANDEM
1	E-7532	16158-01	Equalizer, Fabricated, Rubber Bushing, One Bolt, 42-1/2 & 49" Axle Spacing	2
	E-7532-P	16158-01	Equalizer, Fabricated, Rubber Bushing, Price Point, One Bolt, 42-1/2 & 49" Axle Spacing	2
	GAFF997532	-	Equalizer, Fabricated, Poly Bushing, One Bolt, 42-1/2 & 49" Axle Spacing	2
	E-17660	-	Equalizer, Fabricated, Rubber Bushing, Heavy Duty, One Bolt, Includes Wear Plates	2
	E-9471	17784-01	Equalizer, Cast, Rubber Bushing, One Bolt, 42-1/2 & 49" Axle Spacing	2
	E-9471-P	17784-01	Equalizer, Cast, Rubber Bushing, One Bolt, 42-1/2 & 49" Axle Spacing, Price Point	2
	GAFF999471	-	Equalizer, Cast, Poly Bushing, One Bolt, 42-1/2 & 49" Axle Spacing	2
	E-2781	-	Equalizer, Fabricated, Rubber Bushing, Heavy Duty, Two Bolts, Includes Wear Plates, 42-1/2 & 49" Axle Spacing	2
	GAFF992781	-	Equalizer, Fabricated, Poly Bushing, Heavy Duty, Two Bolts, Includes Wear Plates, 42-1/2 & 49" Axle Spacing	2
	E-2781A	750-03	Equalizer, Fabricated, Rubber Bushing, OE Equivalent, Two Bolt, 42-1/2 & 49" Axle Spacing	2
	E-2781A-P	750-03	Equalizer, Fabricated, Rubber Bushing, Price Point, Two Bolt, 42-1/2 & 49" Axle Spacing	2
	GAFF992781A	-	Equalizer, Fabricated, Poly Bushing, Two Bolt, 42-1/2 & 49" Axle Spacing	2
	E-2889	19137-01	Equalizer, Cast, Rubber Bushing, Two Bolt, 42-1/2 & 49" Axle Spacing	2
	E-2889-P	19137-01	Equalizer, Cast, Rubber Bushing, Two Bolt, 42-1/2 & 49" Axle Spacing, Price Point	2
2	GAFF992889	-	Equalizer, Cast, Poly Bushing, Two Bolt, 42-1/2 & 49" Axle Spacing	2
	E-9472	-	Equalizer Bushing, Rubber & Bolt Kit, One Bolt Model	2
	GAFF999472	-	Equalizer Bushing, Poly & Bolt Kit, One Bolt Model	2
	E-2003	-	Equalizer Bushing, Rubber & Bolt Kit, Two Bolt Model	2
3	E-9474	-	Equalizer Bushing, Poly & Bolt Kit, Two Bolt Model	2
	E-4835	10287-00	Rebound Bolt Kit; 5/8"-18 x 4-1/2" Long, Includes Bolt, Spacer, & Nut	6
4	E-2907A	16868-01	U-Bolt Top Plate	4
	E-2907A-P	16868-01	U-Bolt Top Plate, Price Point	4
5	E-2842	-	Delrin Spring Liner Pad	8
6	E-2909	710-00	Bottom Plate, 5" Rd. Axle, 7/8" Dia. U-Bolts	4
	E-2909-P	710-00	Bottom Plate, 5" Rd. Axle, 7/8" Dia. U-Bolts, Price Point	2
7	E-3277	16398-04	Adjustable Torque Arm, Rubber, 18-1/2"-21" Center-to-Center, 49" & 50" Axle Spacing	2
	E-3277-P	16398-04	Adjustable Torque Arm, Rubber, 18-1/2"-21" Center-to-Center, 49" & 50" Axle Spacing, Price Point	2
	GAFF993277	16398-04	Adjustable Torque Arm, Poly, 18-1/2"-21" Center-to-Center, 49" & 50" Axle Spacing	2
	E-2899	715-00	Rigid Torque Arm, Rubber, 19-1/4" Center-to-Center, 49" & 50" Axle Spacing	2
	E-2899-P	715-00	Rigid Torque Arm, Rubber, 19-1/4" Center-to-Center, 49" & 50" Axle Spacing, Price Point	2
	GAFF992899	715-00	Rigid Torque Arm, Poly, 19-1/4" Center-to-Center, 49" & 50" Axle Spacing	2
	E-11448	16398-06	Adjustable Torque Arm, 21-1/4"-23-3/4" Center-to-Center Rear, No Hop 5" Rd. Axle, 49" & 50" Axle Spacing	8
8	E-16390	16398-01	Adjustable Torque Rod; 13"-15-1/2" Center-to-Center, Front 42-1/2" & 44" Axle Spacing	8
	E-3079	-	Torque Arm Bushing, Rubber & Bolt Kit Assy Includes Bushing & Hardware	8
9	GAFF993079	-	Torque Arm Bushing, Poly & Bolt Kit Assy Includes Bushing & Hardware	As Required
	E-9839	-	Torque Arm Bolt and Flange Nut	As Required
10	E-15459	18541-01	Spring Rebound Bushing, Rear Hanger Mounted, Optional	As Required
-	E-7682	7717-01	Hanger Repair Bushing Washer For Fabricated Hangers (weld in place)	-
-	E-9487	755-03	Replacement Hanger Wear Pad	-

For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/LOD.

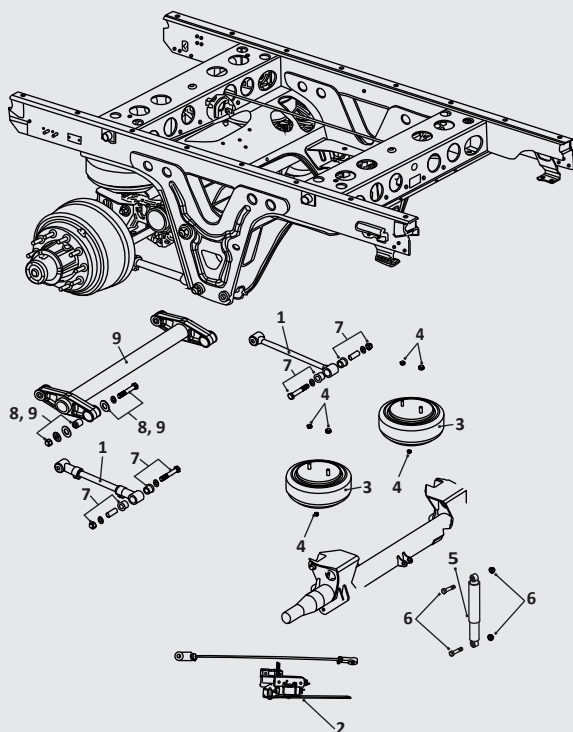


Trailer, Air Ride, Tandem Axle



RHP / MPA RideSentry is an air suspension that is of the parallelogram style. The suspension features four air bags connected to a central frame by two upper control arms and four lower torque arms.

Exploded View



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TECH TIP

Loose fasteners that are allowed to operate for any period of time will result in irreversible damage. Retightening a worn fastener will not correct a situation created by loose operation. It is imperative that fastener and other affected parts including bushings be replaced.

KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER TANDEM
1	E-11769	A1-3133-Y-8345	Adjustable Torque Arm, Includes Bushing	2
	E-11768	A-3133-G-8249	Rigid Torque Arm, Includes Bushing	2
2	E-13907	KIT 11308	Height Control Valve, Remove Air to Dump, Includes Linkage, RHP Only	1
	E-14332	KIT 11309	Height Control Valve, No Dump, Includes Linkage, RHP Only	1
	E-14333	KIT 11332	Height Control Valve, Remove Air to Dump, Includes Linkage, MPA Only	1
	E-17057	A-7806-Q-1109	Height Control Valve, Remove Air to Dump, Barksdale Style, All MPA Models After November 2019	1
	E-14334	KIT 11333	Height Control Valve, No Dump, Includes Linkage, MPA Only	1
	E-17056	A-7806-P-1108	Height Control Valve, No Dump, Barksdale Style, All MPA Models After November 2019	1
3	FS8729	A-2258-F-1410	Air Spring, RHP11 & MPA 16.5" Ride Height	4
	EAS8729	A-2258-F-1410	Air Spring, RHP11 & MPA 16.5" Ride Height	4
	E-17695	A-2258-W-1531	Air Spring, MPA 17.5" Ride Height, Requires 1244-C-2733 Spacer	4
	E-17696	A-2258-X-1532	Air Spring, MPA 18.5" Ride Height, Requires Two 1244-C-2733 Spacers	4
4	E-17022	KIT 11105	Hardware Kit, Air Spring, Includes Upper & Lower Nuts	4
5	M85919	M85919	Shock Absorber	2
6	E-17026	KIT 11103	Bolt Kit, Shock Absorber, Includes Bolt & Nut	2
7	E-11770	KIT 11102	Torque Arm Bushing & Bolt Kit, Rubber, Includes Bushing, Bolt, Washer, Inner Sleeve & Nut	8
	GAFF50033	-	Torque Arm Bushing & Bolt Kit, Poly, Includes Bushing, Bolt, Washer, Inner Sleeve & Nut	8
8	E-17033	KIT 11300	Control Arm Bushing & Bolt Kit, Includes Bushing & Hardware	2
9	E-17035	KIT 11305	Control Arm Assembly, Includes Control Arm, Bushing & Hardware	2

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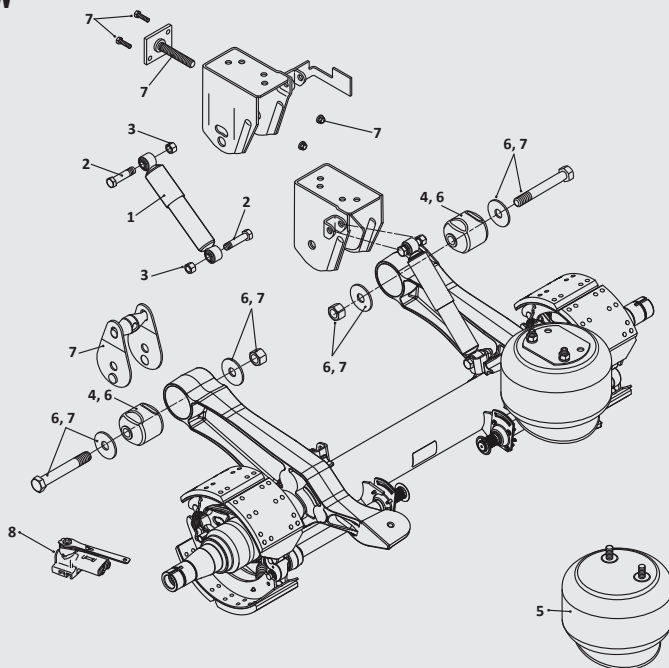


Trailer, Air Ride, Single Axle



The CBX23 / 25 suspension is a trailing arm air suspension. It comes in several versions to include 23,000 lbs and 25,000 lbs top mount and underslung models. The suspension features a unique alignment system that uses a screw to perform the adjustment.

Exploded View



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WEAR ITEMS

Pivot bushing, air springs, shocks, Height Control Valve (HCV).



KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER AXLE
1	M83128	90045298	Shock Absorber, CBX23 / 40, 15-1/2"-16" Ride Height	2
	M83128	90044162	Shock Absorber, CBX40, 16-1/2"-17" Ride Height	2
	M85045	90044868	Shock Absorber, CBX23, 14" Ride Height	2
	M83130	90045040	Shock Absorber, CBX40, 18" Ride Height	2
2	E-4345	93006035	Bolt, 3/4"-10 x 3-1/2" Long	4
3	E-4347	93400492	Nut, 3/4" -10	4
4	E-16566	90008247	Bushing, Front Pivot, Rubber	2
	GAFF50046	-	Bushing, Front Pivot, Poly	4
5	FS9807	50857000	Firestone Air Spring, CBX40	2
	EAS9807	50857000	Euclid Air Spring, CBX40	4
	FS9974	90557369	Firestone Air Spring, CBX23, 16" & 17" Ride Height	2
	EAS9974	90557369	Euclid Air Spring, CBX23, 16" & 17" Ride Height	2
6	E-16552	48100394/SRK-530	Connection Kit, Pivot, Rubber	1
	GAFF50047	-	Connection Kit, Pivot, Poly	1
7	E-16553	48100406/SRK-542	Swing Align Kit	1
8	E-16586	50860013	Height Control Valve, No Dump	1
	E-16571	50860016	Height Control Valve, Remove Air to Dump	1
	E-14729	H01500UN	Height Control Valve, Universal, No Dump, Hadley Next Gen Series	1
	E-14730	H01502UNC	Height Control Valve, Universal, Remove Air to Dump	1

For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/L0D.



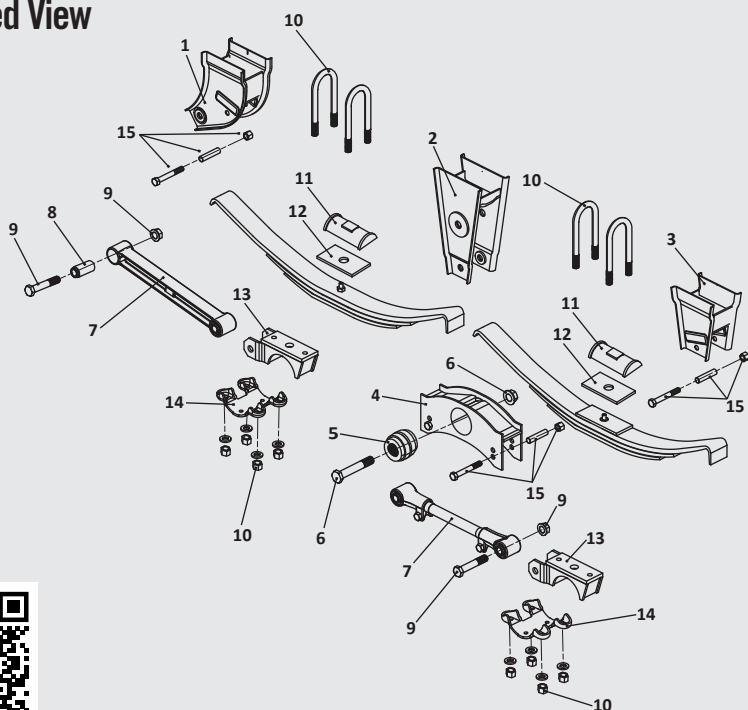


Trailer, Leaf Spring, Tandem



Duralite is a leaf spring suspension used primarily on tandem axle trailers. The suspension only comes in fabricated version and is popular with line haul and dry van applications. Note the straight lines of the hanger vs. Hutch H7700 / 9700 which is more curved.

Exploded View



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WEAR ITEMS

Equalizers and bushings, torque arms and bushings.



KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER TANDEM
1	E-9302	SP0100	Front Hanger, Straddle Mount	2
2	E-9303	SP0110	Equalizer Hanger, Straddle Mount	2
3	E-9304	SP0120	Rear Hanger, Straddle Mount	2
4	E-9305	SP0131	Equalizer with E-4827 Bushing	2
	E-9305-P	-	Equalizer with Bushing, Price Point	2
5	E-4827	XB-SP0054-05	Equalizer Bushing, Rubber	2
	GAFF15054	-	Equalizer Bushing, Poly	2
6	E-9309	-	Equalizer Bolt & Nut Assembly	2
7	E-4824	SP0123	Adjustable Torque Arm with E-1980 Bushings	2
	E-4824-P	-	Adjustable Torque Arm with Bushings, Price Point	2
	E-9307	SP0143	Rigid Torque Arm with E-1980 Bushings	2
8	E-1980	XB-SP0054-02	Bushing, Torque Arm, Rubber	8
	E-1980-P	XB-SP0054-02	Bushing, Torque Arm, Rubber, Price Point	8
	GAFF15013	-	Bushing, Torque Arm, Poly	8
9	E-9308	-	Torque Arm Bolt & Nut Assembly	8
10	E-UB8151-10	SP0075-01	U-Bolt, Assembly, Round Bend, 3/4"-16 x 3" Wide x 10" Long	8
	E-UB8151-12	SP0075-02, -03, -04, -05	U-Bolt, Assembly, Round Bend, 3/4"-16 x 3" Wide x 12" Long	8
	E-UB8151-14	SP0075-06, -07, -08	U-Bolt, Assembly, Round Bend, 3/4"-16 x 3" Wide x 14" Long	8
11	E-2907A	SP0136	U-Bolt, Top Plate	4
	E-2907A-P	-	U-Bolt, Top Plate, Price Point	4
12	E-2842	SP0049	Delrin Spring Liner	4
13	E-16630	SP0149-05	Spring Seat, 2-3/4" high	4
14	E-2909	SP0099	Bottom Plate	4
	E-2909-P	-	Bottom Plate, Price Point	4
15	E-4835	-	Rebound Bolt, Assembly	8

For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/LOD.





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DAMAGE CAUSED BY
FOLLOWING TOO CLOSE

STA
200



DUMP TRUCKS



**CHALMERS:
800 SERIES**



**FREIGHTLINER:
TUFTRAC®**



**HENDRICKSON:
HAULMAAX®**



**HENDRICKSON:
HAULMAAX EX®**



**HENDRICKSON:
HN®**



**HENDRICKSON:
RT®**



**MAK:
SS44 SERIES, CAMELBACK**



CHALMERS: 800 SERIES

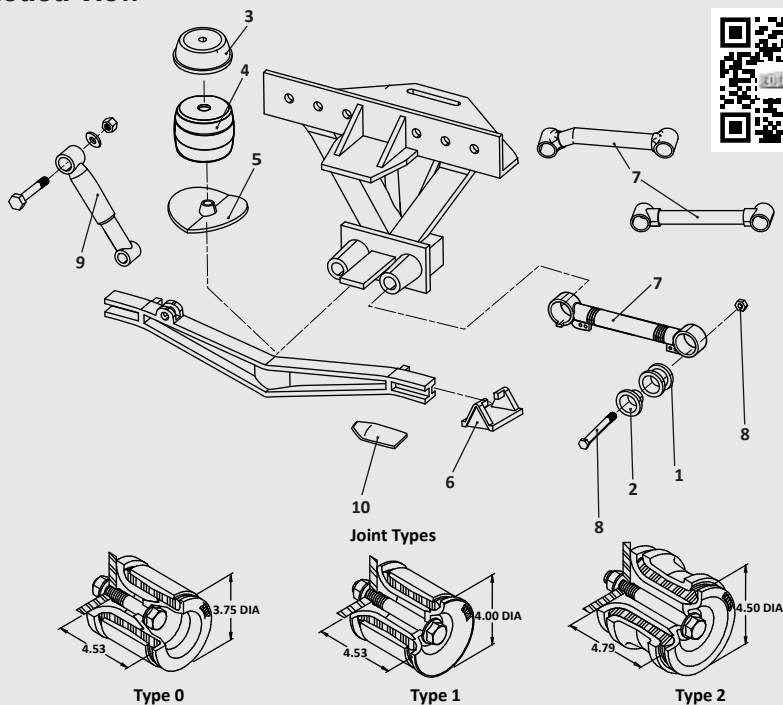
Truck, Drive Axle, Tandem, Bolster Spring / Rubber Pad



Chalmers 800 Series is a bolster spring suspension with walking beams, two load springs and eight torque arms. The suspension is known for being a reliable on road and off road system with high articulation. It is common to find the Chalmers 800 on dump trucks, cement trucks and other vocational vehicles.

Exploded View

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WEAR ITEMS

Torque rod / arm bushings and caps, load cushions.



TECH TIP

Change one rod at a time! Otherwise, axles will slide and make re-installation of rods very difficult.

KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER TANDEM
1	E-4677A	22128	Torque Arm Bushing, Rubber, Type 0 & 1 Joints	16
	E-4677A-P	22128	Torque Arm Bushing, Rubber, Type 0 & 1 Joints, Price Point	16
	GAFF18919	-	Torque Arm Bushing, Poly, Type 0 & 1 Joints	16
	E-7766	800010	Torque Arm Bushing, Rubber, Type 2 Joints	16
	E-7766-P	800010	Torque Arm Bushing, Rubber, Type 2 Joints, Price Point	16
	GAFF11739	-	Torque Arm Bushing, Poly, Type 2 Joints	16
	E-4678A	22129	Torque Arm Bushing, Rubber, Oversized, Type 0 & 1 Joints	As Required
	E-8702	22129	Torque Arm Bushing, Rubber, Oversized Version, OE Equivalent	As Required
	GAFF18920	-	Torque Arm Bushing, Poly, Oversized Version, Type 0 & 1 Joints	As Required
	E-7767	800009	Torque Arm Bushing, Rubber, Oversized, Type 2 Joints	As Required
	E-7767-P		Torque Arm Bushing, Rubber, Oversized, Type 2 Joints, Price Point	As Required
	GAFF18921	-	Torque Arm Bushing, Poly, Oversized, Type 2 Joints	As Required
2	E-9571	800201	Spigot Cap, Type 1 Joint	16
	E-9571-P		Spigot Cap, Type 1 Joint, Price Point	16
	E-7768	800055	Spigot Cap, Type 2 Joint	16
	E-7768-P		Spigot Cap, Type 2 Joint, Price Point	16
3	E-4688A	373028, 373020	Restrictor Can #28, Replaces Restrictor Can #20, 4-7/16" High x 12-5/8" Diameter	2
	E-7758	373029	Restrictor Can #29, 5-1/8" High x 11-1/2" Diameter, High Center of Gravity	2
4	E-4685	15002	Load Spring #20, 9-1/2" Diameter, Rubber	2
	E-4685-P	15002	Load Spring #20, 9-1/2" Diameter, Rubber, Price Point	2
	GAFF11740	-	Load Spring #20, 9-1/2" Diameter, Poly	2
5	E-7769	800117, 800689	Spring Plate, 46-58K Low Mount For 54" Axle Spread	2
	E-7770	800125, 800691	Spring Plate, 40-58K High Mount For 60" Axle Spread,	2
	E-14982	800685, 800119	Spring Plate, 40-58K High Mount For 60" Axle Spread, 46-58K Low Mount for 72" Axle Spread	2
6	E-7756	222083	Saddle, Most Axles	4
7	E-14985	223157	Rigid Torque Arm, Upper, 15-7/8" Center-to-Center, Type 0 & 1 Joints	4
	E-14986	800049	Rigid Torque Arm, Upper, Curved Design 46-50K, Type 2 Joints	4
	E-14773	807250	Adjustable Torque Arm, 46K 21-3/4" Center-to-Center, Type 2 Joints	1
	E-14774	807216	Adjustable Torque Arm, 46K 25" Center-to-Center, Type 2 Joints	1
	E-14987	807214	Adjustable Torque Arm, 21-1/2" Center-to-Center, Type 2 Joints	1
	E-14976	807240	Adjustable Torque Arm, 24" Center-to-Center, Type 2 Joints	1
	E-14989	807220	Adjustable Torque Arm, 22" Center-to-Center, Type 2 Joints	1
	E-14991	805220	Rigid Torque Arm, 22" Center-to-Center, Type 2 Joints	1
8	E-7774	K880640	Hardware Kit, Type 1 Joint, 5" Bolts	4
	E-7773	K880231	Hardware Kit, Type 2 Joint, 5-1/2" Bolts	4
9	M85301	800670	Shock Absorber, High Mount	4
	M85305	800781	Shock Absorber, Low Mount	4
	M85060	665174	Shock Absorber, Standard Mount	4
10	E-7765	700313	Wear Plate	As Required

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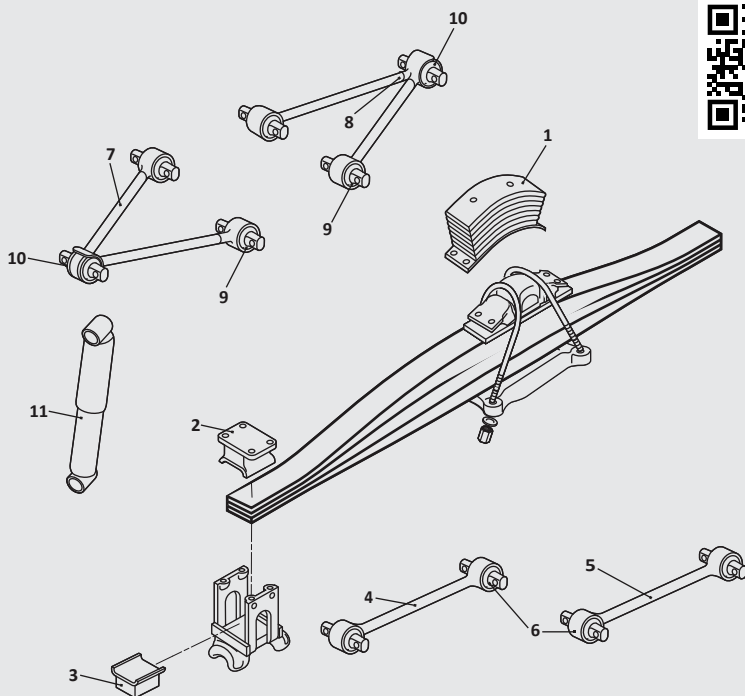
Truck, Drive Axle, Leaf Spring & Bolster Spring / Rubber Pad, Tandem, V-Rods



TufTrac is both leaf spring and bolster spring suspension with two bolster springs, four torque rods, two V-Rods and eight insulator pads. This suspension is offered in a 40K and 46K versions for vocational applications.

Exploded View

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WEAR ITEMS

Torque arms and insulator caps / pads.



KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER TANDEM
1	E-16060	16-15010-000	Bolster Spring, Rubber	2
	GAFF11159	-	Bolster Spring, Poly	2
2	E-16053	11-22805-000	Upper Insulator Cap, Rubber, 40K	4
	E-16051	11-19581-000	Upper Insulator Cap, Rubber, 46K	4
	GAFF11164	-	Upper Insulator Cap, Poly, 46K	4
3	E-15588	11-20807-000	Lower Insulator Pad, Rubber	4
	GAFF11165	-	Lower Insulator Pad, Poly	4
4	E-16058	16-15002-000	Torque Rod, Front w/ 54" Axle Spacing	2
	E-16055	16-14998-000	Torque Rod, Front w/ 56" Axle Spacing	2
5	E-16059	16-15002-001	Torque Rod, Rear w/ 54" Axle Spacing	2
	E-16054	16-14998-001	Torque Rod, Rear w/ 56" Axle Spacing	2
6	E-16064	-	Torque Rod Bushing Kit, Includes (1) Rubber Bushing and (1) Snap Ring. For Torque Arms E-16058 & E-16059 w/ 54" Axle Spacing	4
	E-16063	-	Torque Rod Bushing Kit, Includes (1) Rubber Bushing and (1) Snap Ring. For Torque Arms E-16054 & E-16055 w/ 56" Axle Spacing	8
7	E-16056	16-15001-000	V-Rod, Front 40K, 54" Axle Spacing	1
	E-16061	16-15069-000	V-Rod, Front 46-52K, 56" Axle Spacing	1
8	E-16057	16-15001-001	V-Rod, Rear 40K, 54" Axle Spacing	1
	E-16062	16-15069-001	V-Rod, Rear 46-52K, 56" Axle Spacing	1
9	E-16066	-	V-Rod Bushing Kit, Outer Bushings, Includes (2) Bushings and (2) Snap Rings for all V-Rods, Rubber	4
	GAFF11163	-	V-Rod Bushing Kit, Outer Bushings, Includes (2) Bushings and (2) Snap Rings for all V-Rods, Poly	4
10	E-16069	-	V-Rod Center Bushing Kit, Includes (1) Bushing and (1) Snap Ring for V-Rods E-16056 & E-16057	2
	E-16070	-	V-Rod Center Bushing Kit, Includes (1) Bushing and (1) Snap Ring for V-Rods E-16061 & E-16062	2
11	M85956	16-15770-000	Shock Absorber	2

For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/L0D.





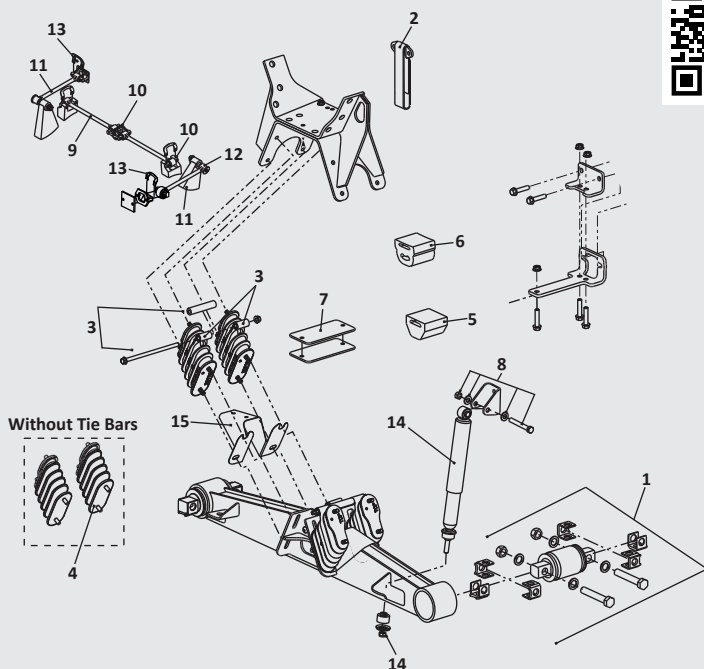
Truck, Drive Axle, Bolster Spring / Rubber Pad, Tandem, Transverse Torque Arm



The HAULMAAX is the newer Hendrickson bolster spring suspension that features eight bolster springs, four per side, connected to a walking beam. Like the HN it removes the need for a center bushing for the beam to pivot on. In addition to the bolster springs the HAULMAAX is fitted with a progressive load spring designed to improve ride quality. This is a very popular vocational suspension especially on refuse and dump applications and also features the standard Hendrickson four end beam bushings.

Exploded View

SCAN FOR VISUAL SEARCH ON MERITORPARTSEXPRESS.COM



WEAR ITEMS

Bolster spring, aux load spring, end beam bushings.



TECH TIP

The HAULMAAX suspension must be equipped with at least one load spring shim on each side, failure to do so can cause premature component wear, equalizing beam misalignment.

KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER TANDEM
1	E-9325	34013-087	Bar Pin Bushing Kit, Non-Shim Type, Rubber	4
	GAFF13607	-	Bar Pin Bushing Kit, Non-Shim Type, Poly	4
	GAFF13833	-	Bar Pin Bushing Kit, Hi Confinement Rotating Bushing, Non-Shim Type, Poly	4
	E-9326	34013-088	Bar Pin Bushing Kit, Shim Type, Rubber	4
	GAFF13596	-	Bar Pin Bushing Kit, Shim Type, Poly	4
	E-14725	34013-188	Bar Pin Bushing Kit, Rotating Bushing, Shim Type, Rubber	4
	GAFF83596	-	Bar Pin Bushing Kit, Rotating Bushing, Shim Type, Poly	4
2	E-13986	57878-003	Rebound Strap	2
-	E-15168	64179-028	Rebound Strap Service Kit, Includes Hardware and Clip	As Required
3	E-14807	64179-048	Tie-Bar Bolster Spring Service Kit, Includes Wear Plate, Rubber	4
	GAFF13626	-	Tie-Bar Bolster Spring Service Kit, w/o Wear Plate, Poly	4
	E-17605	60961-712	Tie-Bar Bolster Spring Service Kit, Rubber, One Side, Includes (4) Bolster Springs and (1) Auxiliary Load Spring, and Wear Plates	2
	GAFF13831	-	Tie-Bar Bolster Spring Service Kit, Poly, Two Sides, Includes (8) Bolster Springs and (2) Auxiliary Load Spring, and Wear Plates	1
	E-17755	-	Tie-Bar Bolster Spring Service Kit, Rubber, Two Sides, Includes (8) Bolster Springs and (2) Auxiliary Load Spring, Wear Plates and (4) Auxiliary Spring Shims	1
4	E-16356	64179-049	Bolster Spring w/o Tie-Bar Service Kit, Includes Wear Plate	4
5	E-14047	60314-000	Auxiliary Load Spring For Vehicles Built Before 07/15/14	4
	E-14534	64179-004	Auxiliary Spring Service Kit For Vehicles Built Before 07/15/14, Includes Hardware	2
6	E-14896	67778-000	Progressive Load Spring For Vehicles Built After 07/15/14	4
	E-16357	60961-747	Progressive Load Spring Service Kit For Vehicles Built After 07/15/14, Includes Hardware	1
7	E-15155	60791-000	Auxiliary Spring Shim - 0.25"	6
8	E-5277	49176-001	Bolt Assembly 5/8"-18 x 4-1/2" Long, Includes Bolt, Nut, Washers	4
9	See Ultra Rod Section, Page 96	Various	Hendrickson Ultra Rod Longitudinal Torque Rod Straddle / Straddle Assembly	2
10	E-5275	47691-000	Ultra Rod Straddle Bushing	4
11	See Ultra Rod Section, Page 96	62350-000	Hendrickson Ultra Rod Transverse Torque Rod Straddle / Taper Assembly	2
	GAFF11080	-	Transverse Torque Arm, 24" Center-to-Center, Straddle / Taper, Includes Poly Bushings	2
	GAFF11080EZ	-	Transverse Torque Arm, 24" Center-to-Center, Rotating Pin, Straddle / Taper, Includes Poly Bushings	2
12	E-10309	64697-000H	Ultra Rod Taper Bushing	2
13	E-5281	49689-000	Torque Rod Shim	As Required
14	M83143	60680-004	Shock Absorber Assembly, 16-1/2" Saddle Ht.	4
	M83142	60680-005	Shock Absorber Assembly, 17-1/2" & 18-1/2" Saddle Ht.	4
15	E-14535	64890-000	Wear Plate, Also Included in Bolster Spring Service Kit, Key No. 3 and 4	2

For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/L0D.



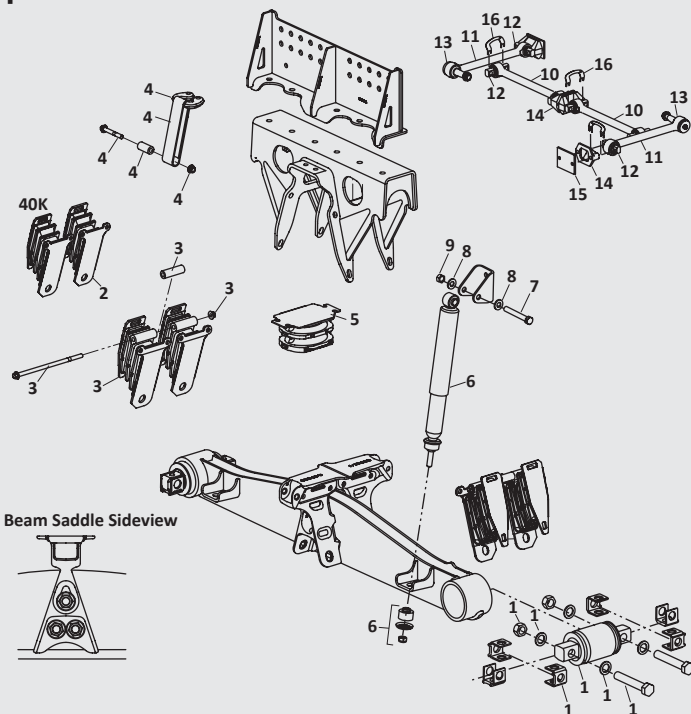
Truck, Drive Axle, Bolster Spring / Rubber Pad, Tandem, Transverse Torque Arm



The HAULMAAX EX is the latest Heavy-Duty Hendrickson bolster spring suspension that features eight bolster springs, four per side, connected to a walking beam. Like the original HAULMAAX and HN suspensions it removes the need for a center beam bushing. In addition to the bolster springs the HAULMAAX EX is fitted with a round and larger progressive load spring designed to improve ride quality. This is a very popular vocational suspension especially on refuse and dump applications and also features the standard Hendrickson four end beam bushings.

Exploded View

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WEAR ITEMS

Bolster spring, progressive load spring, end beam bushings, shocks (if equipped)



TECH TIP

The HAULMAAX EX suspension must be equipped with at least one load spring shim on each side, failure to do so can cause premature component wear, equalizing beam misalignment.

KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER TANDEM
1	E-9325	34013-087	Bar Pin Bushing Kit, Non-Shim Type, Rubber	4
	GAFF13607	-	Bar Pin Bushing Kit, Non-Shim Type, Poly	4
	GAFF13833	-	Bar Pin Bushing Kit, Hi Confinement Rotating Bushing, Non-Shim Type, Poly	4
	E-9326	34013-088	Bar Pin Bushing Kit, Shim Type, Rubber	4
	GAFF13596	-	Bar Pin Bushing Kit, Shim Type, Poly	4
	E-14725	34013-188	Bar Pin Bushing Kit, Rotating Bushing, Shim Type, Rubber	4
	GAFF83596	-	Bar Pin Bushing Kit, Rotating Bushing, Shim Type, Poly	4
2	E-17654	34013-356	Bolster Spring w/o Tie-Bar Service Kit, Includes Mounting Hardware	4
3	E-17655	34013-357	Tie-Bar Bolster Spring Service Kit, Includes Mounting Hardware	4
4	E-17656	34013-354	Rebound Strap Service Kit, 40K, 46K Vehicles Originally equipped with One Strap, One Side	2
	E-17657	34013-355	Rebound Strap Service Kit, 52K Vehicles Originally equipped with Dual Straps, One Side	2
	E-17658	34013-363	Rebound Strap Service Kit, Aftermarket Dual Strap Enhancement, One Side	2
5	E-17748	34013-358	Single Progressive Load Spring Service Kit, Vehicles Originally Equipped with One Strap, Includes Hardware	1
	E-17749	34013-364	Single Progressive Load Spring Service Kit, Vehicles Originally Equipped with Dual Straps, Includes Hardware	1
6	M83143	60680-004	Shock Absorber, (if equipped), 14-7/8" – 15-1/2", 16", 16-1/2" Saddle Height	4
	M83142	60680-005	Shock Absorber, (if equipped), 17-1/4", 17-1/2" Saddle Height	4
	S.O.S.	60680-009	Shock Absorber, (if equipped), 18-3/4" – 18-1/2" Saddle Height	4
	S.O.S.	60680-010	Shock Absorber, (if equipped), 20-1/4", 20-1/2", 21-1/2", 22-1/2" Saddle Height	4
7	E-16227	-	Hex Bolt, 5/8"-11 UNC x 5" Hex Bolt (if equipped)	4
8	E-2547	-	Washer, 5/8" Dia. (if equipped)	8
9	E-2988	-	Locknut, 5/8"-11 UNC, (if equipped)	4
10	See Ultra Rod Section, Page 96	Various	Ultra Rod Longitudinal Torque Rod Straddle / Straddle Assembly	2
11	See Ultra Rod Section, Page 96	62350-000	Ultra Rod Transverse Torque Rod Straddle / Taper Assembly	2
12	E-5275	47691-000	Ultra Rod Straddle Bushing	6
13	E-10309	64697-000	Ultra Rod Taper Bushing	2
14	E-2634	22186-000	Transverse Rod Frame Bracket	4
15	E-15153	45045-003	Back-Up Plate (for Torque Rod)	4
16	E-5281	49689-000L	Torque Rod Shim	As Req.

For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/L0D.

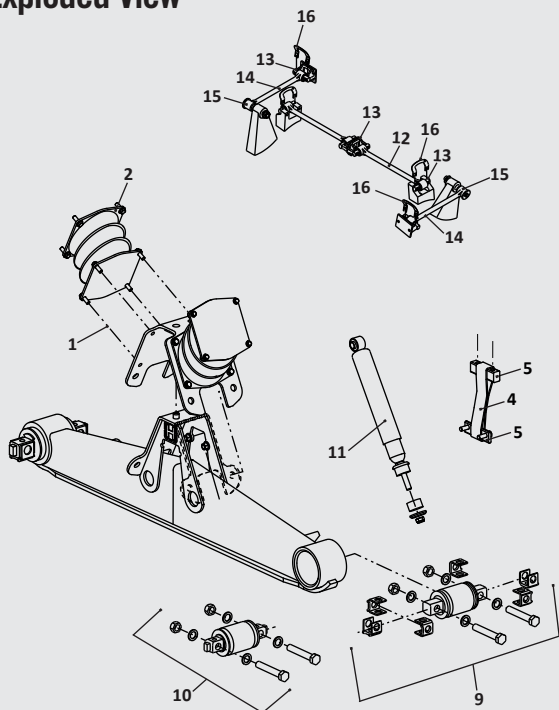


Truck, Drive Axle, Bolster Spring / Rubber Pad, Tandem, Transverse Torque Arm

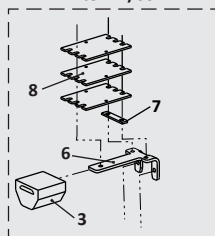


The HN is a bolster spring suspension with four bolster springs, two per side, connected to a walking beam. The design removes the need for a center bushing that a walking beam normally pivots on. This suspension is common on vocational vehicles that travel on and off the road. This uses the standard Hendrickson four end beam bushings.

Exploded View



Auxiliary Load Spring After 11/00



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WEAR ITEMS

Bolster spring, aux load spring, end beam bushings.



TECH TIP

If Bar Pin movement or looseness is noticed in the beam end, hub replace the bushings and connecting hardware immediately. Failure to do so can result in costly repairs down the road and an unsafe vehicle.

KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER TANDEM
1	E-16398	-	Bolster Spring Fastener Kit For One Bolster Spring, Includes Bolt, Nut and Washer	4
2	E-11496	60879-000	Bolster Spring Service Kit, 1 Pair for 1 Side (Must be replaced in pairs), Rubber	2
	GAFF13721	-	Bolster Spring Service Kit, 1 Pair for 1 Side (Must be replaced in pairs), Poly	2
3	E-14047	60314-000	Auxiliary Load Spring, 3-3/8" High, Rubber	-
	GAFF13611	-	Auxiliary Load Spring, 3-3/8" High, Poly	-
4	E-13986	57878-003	Rebound Strap	2
5	E-16400	60639-000	Anchor Plate Assembly Includes Anchor Plate 1/2" Washer 1/2" Lock Nut	4
6	E-15171	58948-001	Auxiliary Load Spring Mounting Plate — 1/4" Thick	2
7	E-15172	58949-000	Auxiliary Spring Mounting Plate Shim	2
8	E-15173	58960-003	Auxiliary Spring Mounting Shim	-
9	E-9326	34013-088	Bar Pin Bushing Service Kit, Shim Type (Includes Mounting Hrdw & Shims), Rubber	4
	GAFF13596	-	Bar Pin Bushing Service Kit, Shim Type (Includes Mounting Hrdw & Shims), Poly	4
	E-14725	34013-188	Bar Pin Bushing Service Kit, Rotating & Shim Type (Includes Mounting Hrdw & Shims), Rubber	4
	GAFF83596	-	Bar Pin Bushing Service Kit, Rotating & Shim Type (Includes Mounting Hrdw & Shims), Poly	4
10	E-9325	34013-087	Bar Pin Bushing Service Kit, Non-Shim Type (Includes Mounting Hrdw), Rubber	4
	GAFF13607	-	Bar Pin Bushing Service Kit, Non-Shim Type (Includes Mounting Hrdw), Poly	4
	GAFF13833	-	Bar Pin Bushing Kit, Hi Confinement Rotating Bushing, Non-Shim Type, Poly	4
11	M83112	60680-003	Shock Absorber	4
12	E-13989	60218-000	Torque Rod Kit, ULTRA ROD, Two Straddle Mount Bushing, 27" Max Length	2
13	E-5275	47691-000	ULTRA ROD Straddle Bushing	2
14	E-13988	60215-000	Transverse Torque Rod Kit, ULTRA ROD, Straddle and Tapered Bushings	2
	GAFF11080	-	Transverse Torque Arm, 24" Center-to-Center, Straddle / Taper, Includes Poly Bushings	2
	GAFF11080EZ	-	Transverse Torque Arm, 24" Center-to-Center, Rotating Pin, Straddle / Taper, Includes Poly Bushings	2
15	E-10309	64697-000	ULTRA ROD Tapered Bushing	-
16	E-5281	49689-000	Torque Rod Shim	As Required

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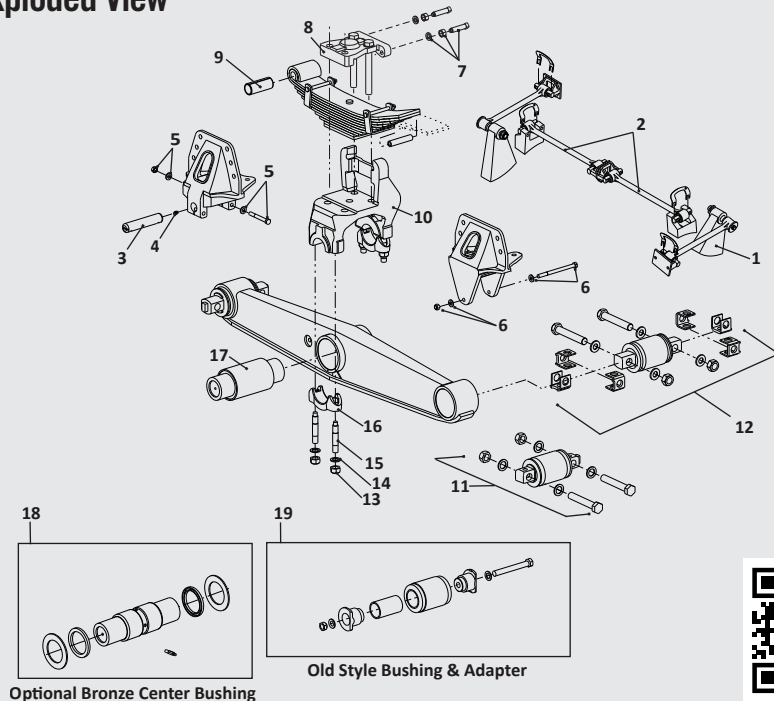


Truck, Drive Axle, Leaf Spring, Tandem, Transverse Torque Arm for High Capacities



The RT is a steel spring suspension that features a walking beam with a center bushing used as a pivot point. This suspension has been in service for over 90 years and is known for its reliability. This system is used on vocational applications, requires transverse torque rods for high capacity applications. This system also features the standard Hendrickson four end beam bushings. Older walking beams are cast and newer versions are fabricated.

Exploded View



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WEAR ITEMS

Center and end beam bushings.



TECH TIP

Look for loose or damaged fasteners on the entire suspension. Ensure that all fasteners are torqued to correct specifications. If loose fastener discovered inspect all mating parts closely. The replacement of springs should be done in pairs to keep equal spring deflection on both sides.

KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER TANDEM				
				RT/RTE 340	RT/RTE 400	RT/RTE 460	RT/RTE 480	RT/RTE 520
1	E-13988	60215-000	Two-Piece Transverse Torque Rod Kit, Includes Straddle Bushings	2	2	2	2	2
2	See Torque Rod Section, Page 94	Various	Longitudinal Torque Rod Assembly	2	2	2	2	2
3	E-1818	32277-000	Spring Pin, Single Lock Pin / Groove	2	2	-	-	-
	E-3761	43146-000	Spring Pin, Double Lock Pin / Groove	2	2	2	2	2
4	E-1307	33117-000	Lube Fitting	2	2	2	2	2
5	E-9427	29828-035	Lock Bolt Kit	2	2	2	2	2
6	E-9428	29828-023	Rebound Bolt & Spacer Assembly	2	2	2	2	2
7	E-9429	35370-002	Set Screw Kit	4	4	4	4	4
8	E-1869	35064-000	Top Pad	2	2	2	2	2
9	E-1877	30057-008	Spring Eye Bushing 1-3/8" I.D.	2	2	2	2	2
10	E-1853	31017-022	Saddle Assembly, 6" Height	2	2	-	-	-
	E-1854	31017-096	Saddle Assembly, 6" Height	-	-	2	-	-
	E-7531	31017-053	Saddle Assembly, 6" Height	-	-	-	2	2
11	E-9325	34013-087	Bar Pin Bushing Kit, Non-Shim Type, Rubber	4	4	4	4	4
	GAFF13607	-	Bar Pin Bushing Kit, Non-Shim Type, Poly	4	4	4	4	4
	GAFF13833	-	Bar Pin Bushing Kit, Hi Confinement Rotating Bushing, Non-Shim Type, Poly	4	4	4	4	4
12	E-9326	34013-088	Bar Pin Bushing Kit, Shim Type, Rubber	4	4	4	4	4
	GAFF13596	-	Bar Pin Bushing Kit, Shim Type, Poly	4	4	4	4	4
	E-14725	34013-188	Bar Pin Bushing Kit, Free Rotating Bushing, Shim Type, Rubber	4	4	4	4	4
	GAFF83596	-	Bar Pin Bushing Kit, Free Rotating Bushing, Shim Type, Poly	4	4	4	4	4
13	E-1835	04842-000	Nut, Saddle Cap Stud	8	8	8	8	8
14	E-1834	22962-002	7/8" Hardened Washer	8	8	8	8	8
15	E-1830	06696-000	7/8"-14 Saddle Cap Stud, 4-13/16" Long	-	8	8	8	8
	E-1829	07002-000	7/8"-14 Saddle Cap Stud, 4-3/8" Long	8	-	-	-	-
16	E-1833A	58795-000	Saddle Cap	-	4	4	4	4
	E-16464	06662-000	Saddle Cap	4	-	-	-	-
17	E-1338	06664-000	Rubber Center Bushing with Welded End Plug	2	-	-	-	-
	GAFF13500	-	Poly Center Bushing with Welded End Plug	2	-	-	-	-
	E-1594	22279-000	Rubber Center Bushing with Loose End Plug	2	-	-	-	-
	E-6979	49400-000	Rubber Center Bushing with Welded End Plug	2	2	-	-	-
	GAFF13505	-	Poly Center Bushing with Welded End Plug	2	2	-	-	-
	E-6980	49600-000	Rubber Center Bushing with Loose End Plug	2	2	-	-	-
	GAFF13543	-	Poly Center Bushing with Loose End Plug	2	2	-	-	-
	E-9359	29483-005	Rubber Center Bushing with Welded End Plug	-	-	2	2	2
	E-16416	34013-097	Rubber Center Bushing with Loose End Plug	-	-	2	2	2
18	E-1546	30437-000	Kit, Bronze Center Bushings, Includes Thrust Washer, Seal, Sleeve, and Bronze Bushing	1	1	1	1	1
19	E-5309	34013-049	End Beam Bushing Kit, Old Style, Includes Bushing and Adapter	4	4	-	-	-
	E-9576	34013-073	End Beam Bushing Kit, Old Style, Includes Bushing and Adapter	-	-	4	-	-
	E-9577	34013-050	End Beam Bushing Kit, Old Style, 5-3/4" Long Bushing, Includes Bushing and Adapter	-	-	-	4	4

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MACK: SS44 SERIES, CAMELBACK

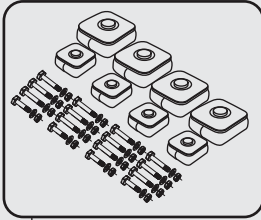
Truck, Drive Axle, Single Point Leaf Spring, Tandem Axles



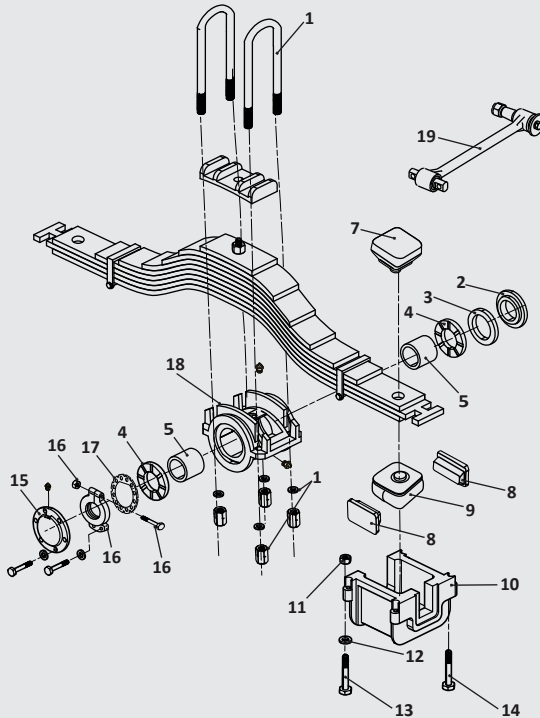
Mack Camelback is a single point spring suspension that pivots on a trunnion bushing. The suspension has a unique hump in the spring stack that lends to its name. It is easily identifiable and comes in a variety of capacities. The most common version is the SS44 series that uses 4" wide springs and bronze trunnion bushings with a 3-1/2" ID. This suspension has been around for decades and has a proven track record for reliability. It is commonly found on vocational trucks and especially on dump trucks.

Exploded View

Insulator Pad Kit



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WEAR ITEMS

Rubber insulator pads and trunnion bushings.



KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER TANDEM
1	E-UB8394-144	-	U-Bolt Assembly, Semi Rd. Bend, 1-1/4"-12 x 4" Wide x 14-1/2" Long	4
	E-UB8394-162S	-	U-Bolt Assembly, Semi Rd. Bend, 1-1/4"-12 x 4" Wide x 16-1/4" Long	4
	E-UB8394-18	-	U-Bolt Assembly, Semi Rd. Bend, 1-1/4"-12 x 4" Wide x 18" Long	4
2	E-3187	88AX244; 88AX446	Trunnion Seal, 5-1/2" OD x 4-3/8" ID x 9/16" Thick	2
3	E-3699	43QK117	Steel Washer, 5-3/8" OD x 4-3/8" ID x 3/8" Thick	2
4	E-3698	35AX688; 43QK116	Bronze Thrust Washer, 5-5/16" OD x 3-1/2" ID x 1/4" Thick	4
5	E-2925	10QK157; 80AX300	Bronze Trunnion Bushing, 3-3/4" OD x 3-1/2" ID x 3-7/16" Long	4
6	E-3916	-	Trunnion Rebuild Kit, Includes Key No. 2, 3, 4, 5, 17, 18. Axle Set	1
7	E-2919	10QK370	Upper Insulator Pad, Rubber, 6" Long x 4-1/2" Wide x 3" Thick, 1-3/4" Dia. Pin	4
	GAFF12010	-	Upper Insulator Pad, Poly, 6" Long x 4-1/2" Wide x 3" Thick, 1-3/4" Dia. Pin	4
8	E-3689	13QK246	Insulator Spacer Block	8
	E-3689-P	13QK246	Insulator Spacer Block, Price Point	8
9	E-2920	10QK36B	Lower Insulator Pad, Rubber, 6" Long x 6" Wide x 3-3/4" Thick, 1-3/4" Dia. Pin	4
	GAFF12014	-	Lower Insulator Pad, Poly, 6" Long x 6" Wide x 3-3/4" Thick, 1-3/4" Dia. Pin	4
10	E-3688	52QK418BP4	Insulator Box, 6-3/4" Deep	2
	E-16782	52QK418BP5	Insulator Box, 6-3/8" Deep	2
11	E-1835	21AX480	Lock Nut, 7/8"-14	8
12	E-2546	37AX1310	Washer, 7/8" ID	8
13	E-3690	1AX425	Insulator Box Bolt, 7/8"-14 x 5" Long	8
	E-3691	1AX475	Insulator Box Bolt, 7/8"-14 x 5-1/4" Long	8
	E-3692	1AX427; 3AX987	Insulator Box Bolt, 7/8"-14 x 6" Long	8
	E-3693	3AX1344	Insulator Box Bolt, 7/8"-14 x 6-1/2" Long	8
	E-5428	3AX1348	Insulator Box Bolt, 7/8"-14 x 8" Long	8
14	E-3696	4AX320; 6AX837	Insulator Box Stud, 7/8"-9 x 4-1/2" Long	8
	E-5427	6AX1160	Insulator Box Stud, 7/8"-9 x 6" Long	8
15	E-3697	97QL399P2	Trunnion Grease Cap, 5/16" Dia. Bolt Holes, 7" Bolt Circle	2
	E-3697-P	97QL399P2	Trunnion Grease Cap, 5/16" Dia. Bolt Holes, 7" Bolt Circle, Price Point	2
16	E-16787	-	Trunnion Nut & Hardware, Includes Trunnion Nut	2
17	E-3915	23QJ112B	Star Lock Washer, 4-7/8" OD x 1/4" Thick	2
18	E-3687	39QK27E; 39QK27F; 39QK326	Trunnion and Bushing Assembly	2
	E-3687-P	-	Trunnion and Bushing Assembly, Price Point	2
19	E-3988	-	Transverse Torque Arm Kit, Full Ball Design	1
20	E-14932	-	Insulator Pad Kit, Rubber, Includes E-2919 Upper and E-2920 Lower Insulator Pads and Hardware	1
	GAFF12036	-	Insulator Pad Kit, Poly, Includes GAFF12010 Upper and GAFF12014 Lower Insulator Pads and Hardware	1

For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/LOD.





REFUSE TRUCKS



**FREIGHTLINER:
TUFTRAC®**



**HENDRICKSON:
HAULMAAX®**



**HENDRICKSON:
HAULMAAX EX®**



**HENDRICKSON:
HN®**



**MACK:
SS44 SERIES, CAMELBACK**



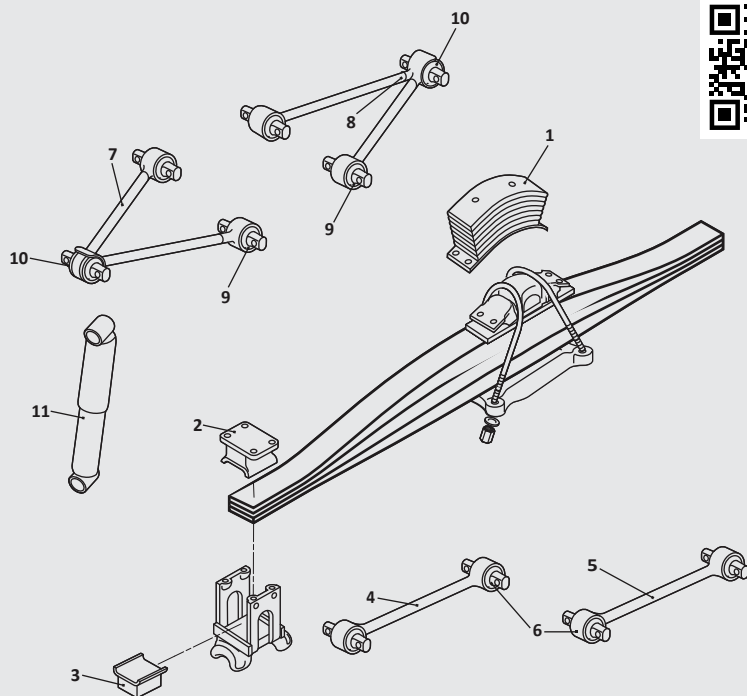
Truck, Drive Axle, Leaf Spring & Bolster Spring / Rubber Pad, Tandem, V-Rods



TufTrac is both leaf spring and bolster spring suspension with two bolster springs, four torque rods, two V-Rods and eight insulator pads. This suspension is offered in a 40K and 46K versions for vocational applications.

Exploded View

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WEAR ITEMS

Torque arms and insulator caps / pads.



KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER TANDEM
1	E-16060	16-15010-000	Bolster Spring, Rubber	2
	GAFF11159	-	Bolster Spring, Poly	2
2	E-16053	11-22805-000	Upper Insulator Cap, Rubber, 40K	4
	E-16051	11-19581-000	Upper Insulator Cap, Rubber, 46K	4
	GAFF11164	-	Upper Insulator Cap, Poly, 46K	4
3	E-15588	11-20807-000	Lower Insulator Pad, Rubber	4
	GAFF11165	-	Lower Insulator Pad, Poly	4
4	E-16058	16-15002-000	Torque Rod, Front w/ 54" Axle Spacing	2
	E-16055	16-14998-000	Torque Rod, Front w/ 56" Axle Spacing	2
5	E-16059	16-15002-001	Torque Rod, Rear w/ 54" Axle Spacing	2
	E-16054	16-14998-001	Torque Rod, Rear w/ 56" Axle Spacing	2
6	E-16064	-	Torque Rod Bushing Kit, Includes (1) Rubber Bushing and (1) Snap Ring. For Torque Arms E-16058 & E-16059 w/ 54" Axle Spacing	4
	E-16063	-	Torque Rod Bushing Kit, Includes (1) Rubber Bushing and (1) Snap Ring. For Torque Arms E-16054 & E-16055 w/ 56" Axle Spacing	8
	GAFF11163	-	Torque Arm Bushing, Poly Version of E-16063	8
7	E-16056	16-15001-000	V-Rod, Front 40K, 54" Axle Spacing	1
	E-16061	16-15069-000	V-Rod, Front 46-52K, 56" Axle Spacing	1
8	E-16057	16-15001-001	V-Rod, Rear 40K, 54" Axle Spacing	1
	E-16062	16-15069-001	V-Rod, Rear 46-52K, 56" Axle Spacing	1
9	E-16066	-	V-Rod Bushing Kit, Outer Bushings, Includes (2) Bushings and (2) Snap Rings for all V-Rods	4
10	E-16069	-	V-Rod Center Bushing Kit, Includes (1) Bushing and (1) Snap Ring for V-Rods E-16056 & E-16057	2
	E-16070	-	V-Rod Center Bushing Kit, Includes (1) Bushing and (1) Snap Ring for V-Rods E-16061 & E-16062	2
11	M85956	16-15770-000	Shock Absorber	2

For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/L0D.





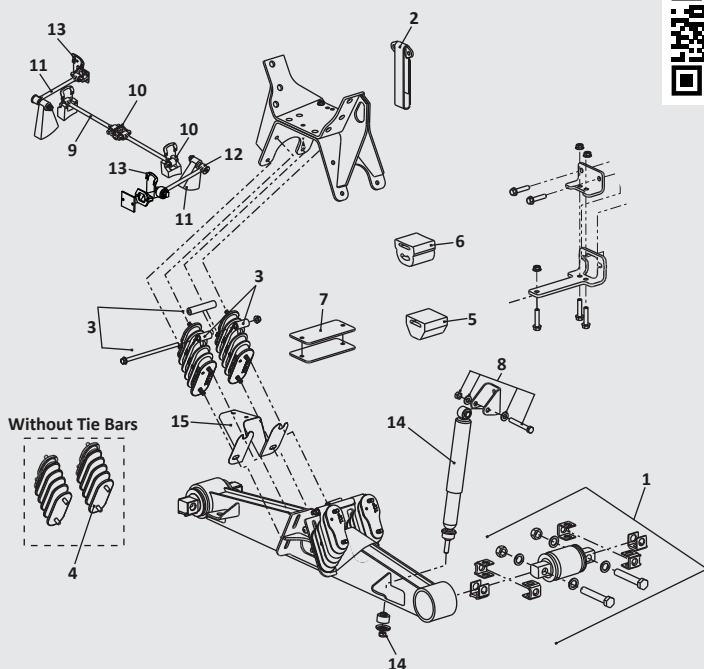
Truck, Drive Axle, Bolster Spring / Rubber Pad, Tandem, Transverse Torque Arm



The HAULMAAX is the newer Hendrickson bolster spring suspension that features eight bolster springs, four per side, connected to a walking beam. Like the HN it removes the need for a center bushing for the beam to pivot on. In addition to the bolster springs the HAULMAAX is fitted with a progressive load spring designed to improve ride quality. This is a very popular vocational suspension especially on refuse and dump applications and also features the standard Hendrickson four end beam bushings.

Exploded View

SCAN FOR VISUAL SEARCH ON MERITORPARTSEXPRESS.COM



WEAR ITEMS

Bolster spring, aux load spring, end beam bushings.



TECH TIP

The HAULMAAX suspension must be equipped with at least one load spring shim on each side, failure to do so can cause premature component wear, equalizing beam misalignment.

KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER TANDEM
1	E-9325	34013-087	Bar Pin Bushing Kit, Non-Shim Type, Rubber	4
	GAFF13607	-	Bar Pin Bushing Kit, Non-Shim Type, Poly	4
	GAFF13833	-	Bar Pin Bushing Kit, Hi Confinement Rotating Bushing, Non-Shim Type, Poly	4
	E-9326	34013-088	Bar Pin Bushing Kit, Shim Type, Rubber	4
	GAFF13596	-	Bar Pin Bushing Kit, Shim Type, Poly	4
	E-14725	34013-188	Bar Pin Bushing Kit, Rotating Bushing, Shim Type, Rubber	4
	GAFF83596	-	Bar Pin Bushing Kit, Rotating Bushing, Shim Type, Poly	4
2	E-13986	57878-003	Rebound Strap	2
-	E-15168	64179-028	Rebound Strap Service Kit, Includes Hardware and Clip	As Required
3	E-14807	64179-048	Tie-Bar Bolster Spring Service Kit, Includes Wear Plate, Rubber	4
	GAFF13626	-	Tie-Bar Bolster Spring Service Kit, w/o Wear Plate, Poly	4
	E-17605	60961-712	Tie-Bar Bolster Spring Service Kit, Rubber, One Side, Includes (4) Bolster Springs and (1) Auxiliary Load Spring, and Wear Plates	2
	GAFF13831	-	Tie-Bar Bolster Spring Service Kit, Poly, Two Sides, Includes (8) Bolster Springs and (2) Auxiliary Load Spring, and Wear Plates	1
	E-17755	-	Tie-Bar Bolster Spring Service Kit, Rubber, Two Sides, Includes (8) Bolster Springs and (2) Auxiliary Load Spring, Wear Plates and (4) Auxiliary Spring Shims	1
4	E-16356	64179-049	Bolster Spring w/o Tie-Bar Service Kit, Includes Wear Plate	4
5	E-14047	60314-000	Auxiliary Load Spring For Vehicles Built Before 07/15/14	4
	E-14534	64179-004	Auxiliary Spring Service Kit For Vehicles Built Before 07/15/14, Includes Hardware	2
6	E-14896	67778-000	Progressive Load Spring For Vehicles Built After 07/15/14	4
	E-16357	60961-747	Progressive Load Spring Service Kit For Vehicles Built After 07/15/14, Includes Hardware	1
7	E-15155	60791-000	Auxiliary Spring Shim - 0.25"	6
8	E-5277	49176-001	Bolt Assembly 5/8"-18 x 4-1/2" Long, Includes Bolt, Nut, Washers	4
9	See Ultra Rod Section, Page 96	Various	Hendrickson Ultra Rod Longitudinal Torque Rod Straddle / Straddle Assembly	2
10	E-5275	47691-000	Ultra Rod Straddle Bushing	4
11	See Ultra Rod Section, Page 96	62350-000	Hendrickson Ultra Rod Transverse Torque Rod Straddle / Taper Assembly	2
	GAFF11080	-	Transverse Torque Arm, 24" Center-to-Center, Straddle / Taper, Includes Poly Bushings	2
	GAFF11080EZ	-	Transverse Torque Arm, 24" Center-to-Center, Rotating Pin, Straddle / Taper, Includes Poly Bushings	2
12	E-10309	64697-000H	Ultra Rod Taper Bushing	2
13	E-5281	49689-000	Torque Rod Shim	As Required
14	M83143	60680-004	Shock Absorber Assembly, 16-1/2" Saddle Ht.	4
	M83142	60680-005	Shock Absorber Assembly, 17-1/2" & 18-1/2" Saddle Ht.	4
15	E-14535	64890-000	Wear Plate, Also Included in Bolster Spring Service Kit, Key No. 3 and 4	2

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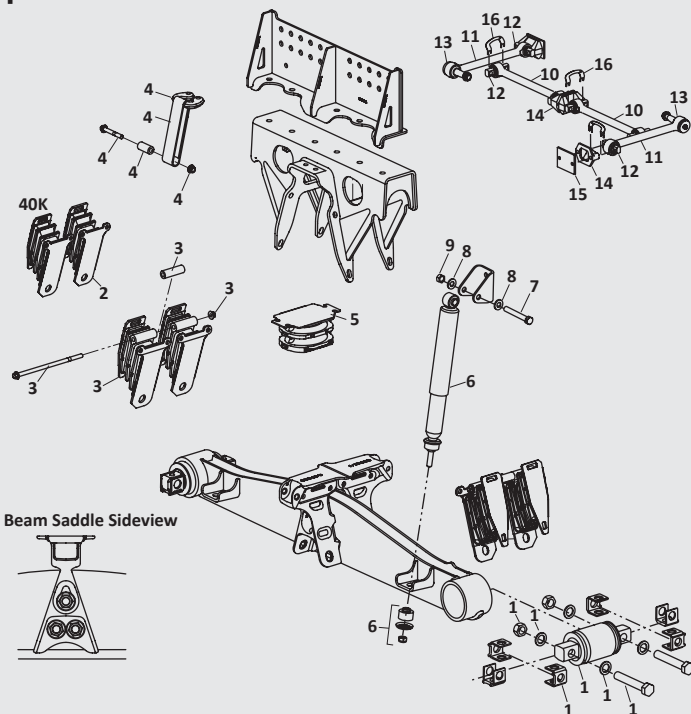
Truck, Drive Axle, Bolster Spring / Rubber Pad, Tandem, Transverse Torque Arm



The HAULMAAX EX is the latest Heavy-Duty Hendrickson bolster spring suspension that features eight bolster springs, four per side, connected to a walking beam. Like the original HAULMAAX and HN suspensions it removes the need for a center beam bushing. In addition to the bolster springs the HAULMAAX EX is fitted with a round and larger progressive load spring designed to improve ride quality. This is a very popular vocational suspension especially on refuse and dump applications and also features the standard Hendrickson four end beam bushings.

Exploded View

SCAN FOR VISUAL SEARCH ON MERITORPARTSEXPRESS.COM



WEAR ITEMS

Bolster spring, progressive load spring, end beam bushings, shocks (if equipped)



TECH TIP

The HAULMAAX EX suspension must be equipped with at least one load spring shim on each side, failure to do so can cause premature component wear, equalizing beam misalignment.

KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER TANDEM
1	E-9325	34013-087	Bar Pin Bushing Kit, Non-Shim Type, Rubber	4
	GAFF13607	-	Bar Pin Bushing Kit, Non-Shim Type, Poly	4
	GAFF13833	-	Bar Pin Bushing Kit, Hi Confinement Rotating Bushing, Non-Shim Type, Poly	4
	E-9326	34013-088	Bar Pin Bushing Kit, Shim Type, Rubber	4
	GAFF13596	-	Bar Pin Bushing Kit, Shim Type, Poly	4
	E-14725	34013-188	Bar Pin Bushing Kit, Rotating Bushing, Shim Type, Rubber	4
	GAFF83596	-	Bar Pin Bushing Kit, Rotating Bushing, Shim Type, Poly	4
2	E-17654	34013-356	Bolster Spring w/o Tie-Bar Service Kit, Includes Mounting Hardware	4
3	E-17655	34013-357	Tie-Bar Bolster Spring Service Kit, Includes Mounting Hardware	4
4	E-17656	34013-354	Rebound Strap Service Kit, 40K, 46K Vehicles Originally equipped with One Strap, One Side	2
	E-17657	34013-355	Rebound Strap Service Kit, 52K Vehicles Originally equipped with Dual Straps, One Side	2
	E-17658	34013-363	Rebound Strap Service Kit, Aftermarket Dual Strap Enhancement, One Side	2
5	E-17748	34013-358	Single Progressive Load Spring Service Kit, Vehicles Originally Equipped with One Strap, Includes Hardware	1
	E-17749	34013-364	Single Progressive Load Spring Service Kit, Vehicles Originally Equipped with Dual Straps, Includes Hardware	1
6	M83143	60680-004	Shock Absorber, (if equipped), 14-7/8" – 15-1/2", 16", 16-1/2" Saddle Height	4
	M83142	60680-005	Shock Absorber, (if equipped), 17-1/4", 17-1/2" Saddle Height	4
	S.O.S.	60680-009	Shock Absorber, (if equipped), 18-3/4" – 18-1/2" Saddle Height	4
	S.O.S.	60680-010	Shock Absorber, (if equipped), 20-1/4", 20-1/2", 21-1/2", 22-1/2" Saddle Height	4
7	E-16227	-	Hex Bolt, 5/8"-11 UNC x 5" Hex Bolt (if equipped)	4
8	E-2547	-	Washer, 5/8" Dia. (if equipped)	8
9	E-2988	-	Locknut, 5/8"-11 UNC, (if equipped)	4
10	See Ultra Rod Section, Page 96	Various	Ultra Rod Longitudinal Torque Rod Straddle / Straddle Assembly	2
11	See Ultra Rod Section, Page 96	62350-000	Ultra Rod Transverse Torque Rod Straddle / Taper Assembly	2
12	E-5275	47691-000	Ultra Rod Straddle Bushing	6
13	E-10309	64697-000	Ultra Rod Taper Bushing	2
14	E-2634	22186-000	Transverse Rod Frame Bracket	4
15	E-15153	45045-003	Back-Up Plate (for Torque Rod)	4
16	E-5281	49689-000L	Torque Rod Shim	As Req.

For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/L0D.

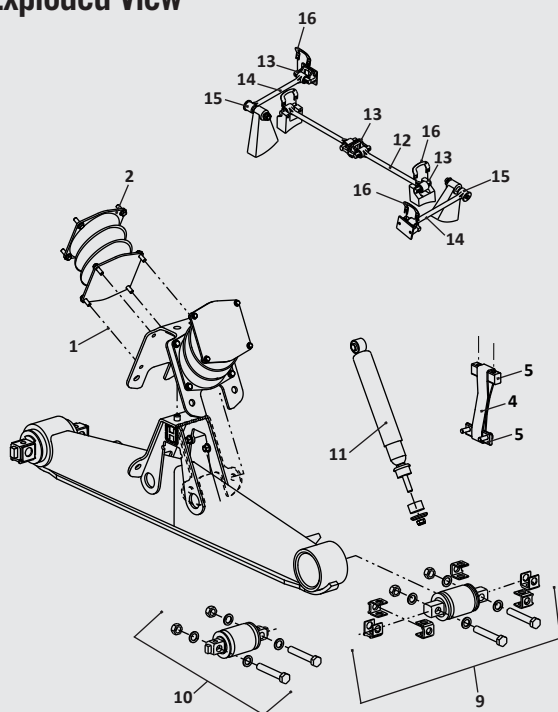


Truck, Drive Axle, Bolster Spring / Rubber Pad, Tandem, Transverse Torque Arm

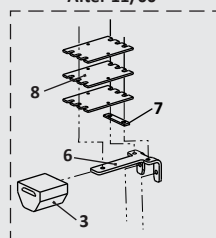


The HN is a bolster spring suspension with four bolster springs, two per side, connected to a walking beam. The design removes the need for a center bushing that a walking beam normally pivots on. This suspension is common on vocational vehicles that travel on and off the road. This uses the standard Hendrickson four end beam bushings.

Exploded View



Auxiliary Load Spring After 11/00



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WEAR ITEMS

Bolster spring, aux load spring, end beam bushings.



TECH TIP

If Bar Pin movement or looseness is noticed in the beam end, hub replace the bushings and connecting hardware immediately. Failure to do so can result in costly repairs down the road and an unsafe vehicle.

KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER TANDEM
1	E-16398	-	Bolster Spring Fastener Kit For One Bolster Spring, Includes Bolt, Nut and Washer	4
2	E-11496	60879-000	Bolster Spring Service Kit, 1 Pair for 1 Side (Must be replaced in pairs), Rubber	2
	GAFF13721	-	Bolster Spring Service Kit, 1 Pair for 1 Side (Must be replaced in pairs), Poly	2
3	E-14047	60314-000	Auxiliary Load Spring, 3-3/8" High, Rubber	-
	GAFF13611	-	Auxiliary Load Spring, 3-3/8" High, Poly	-
4	E-13986	57878-003	Rebound Strap	2
5	E-16400	60639-000	Anchor Plate Assembly Includes Anchor Plate 1/2" Washer 1/2" Lock Nut	4
6	E-15171	58948-001	Auxiliary Load Spring Mounting Plate — 1/4" Thick	2
7	E-15172	58949-000	Auxiliary Spring Mounting Plate Shim	2
8	E-15173	58960-003	Auxiliary Spring Mounting Shim	-
9	E-9326	34013-088	Bar Pin Bushing Service Kit, Shim Type (Includes Mounting Hrdw & Shims), Rubber	4
	GAFF13596	-	Bar Pin Bushing Service Kit, Shim Type (Includes Mounting Hrdw & Shims), Poly	4
	E-14725	34013-188	Bar Pin Bushing Service Kit, Rotating & Shim Type (Includes Mounting Hrdw & Shims), Rubber	4
	GAFF83596	-	Bar Pin Bushing Service Kit, Rotating & Shim Type (Includes Mounting Hrdw & Shims), Poly	4
10	E-9325	34013-087	Bar Pin Bushing Service Kit, Non-Shim Type (Includes Mounting Hrdw), Rubber	4
	GAFF13607	-	Bar Pin Bushing Service Kit, Non-Shim Type (Includes Mounting Hrdw), Poly	4
	GAFF13833	-	Bar Pin Bushing Kit, Hi Confinement Rotating Bushing, Non-Shim Type, Poly	4
11	M83112	60680-003	Shock Absorber	4
12	E-13989	60218-000	Torque Rod Kit, ULTRA ROD, Two Straddle Mount Bushing, 27" Max Length	2
13	E-5275	47691-000	ULTRA ROD Straddle Bushing	2
14	E-13988	60215-000	Transverse Torque Rod Kit, ULTRA ROD, Straddle and Tapered Bushings	2
	GAFF11080	-	Transverse Torque Arm, 24" Center-to-Center, Straddle / Taper, Includes Poly Bushings	2
	GAFF11080EZ	-	Transverse Torque Arm, 24" Center-to-Center, Rotating Pin, Straddle / Taper, Includes Poly Bushings	2
15	E-10309	64697-000	ULTRA ROD Tapered Bushing	-
16	E-5281	49689-000	Torque Rod Shim	As Required

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MACK: SS44 SERIES, CAMELBACK

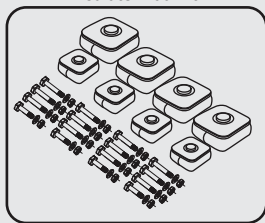
Truck, Drive Axle, Single Point Leaf Spring, Tandem Axles



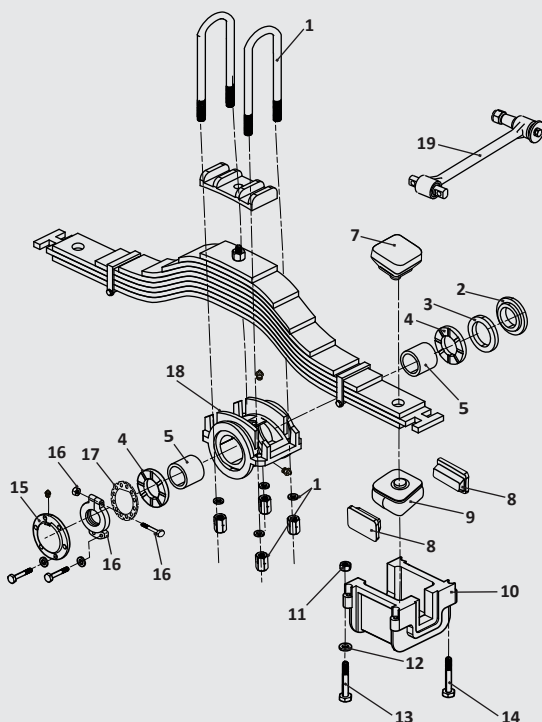
Mack Camelback is a single point spring suspension that pivots on a trunnion bushing. The suspension has a unique hump in the spring stack that lends to its name. It is easily identifiable and comes in a variety of capacities. The most common version is the SS44 series that uses 4" wide springs and bronze trunnion bushings with a 3-1/2" ID. This suspension has been around for decades and has a proven track record for reliability. It is commonly found on vocational trucks and especially on dump trucks.

Exploded View

Insulator Pad Kit



20



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WEAR ITEMS

Rubber insulator pads and trunnion bushings.



KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER TANDEM
1	E-UB8394-144	-	U-Bolt Assembly, Semi Rd. Bend, 1-1/4"-12 x 4" Wide x 14-1/2" Long	4
	E-UB8394-162S	-	U-Bolt Assembly, Semi Rd. Bend, 1-1/4"-12 x 4" Wide x 16-1/4" Long	4
	E-UB8394-18	-	U-Bolt Assembly, Semi Rd. Bend, 1-1/4"-12 x 4" Wide x 18" Long	4
2	E-3187	88AX244; 88AX446	Trunnion Seal, 5-1/2" OD x 4-3/8" ID x 9/16" Thick	2
3	E-3699	43QK117	Steel Washer, 5-3/8" OD x 4-3/8" ID x 3/8" Thick	2
4	E-3698	35AX688; 43QK116	Bronze Thrust Washer, 5-5/16" OD x 3-1/2" ID x 1/4" Thick	2
5	E-2925	10QK157; 80AX300	Bronze Trunnion Bushing, 3-3/4" OD x 3-1/2" ID x 3-7/16" Long	4
6	E-3916	-	Trunnion Rebuild Kit, Includes Key No. 2, 3, 4, 5, 17, 18. Axle Set	1
7	E-2919	10QK370	Upper Insulator Pad, Rubber, 6" Long x 4-1/2" Wide x 3" Thick, 1-3/4" Dia. Pin	4
	GAFF12010	-	Upper Insulator Pad, Poly, 6" Long x 4-1/2" Wide x 3" Thick, 1-3/4" Dia. Pin	4
8	E-3689	13QK246	Insulator Spacer Block	8
	E-3689-P	13QK246	Insulator Spacer Block, Price Point	8
9	E-2920	10QK36B	Lower Insulator Pad, Rubber, 6" Long x 6" Wide x 3-3/4" Thick, 1-3/4" Dia. Pin	4
	GAFF12014	-	Lower Insulator Pad, Poly, 6" Long x 6" Wide x 3-3/4" Thick, 1-3/4" Dia. Pin	4
10	E-3688	52QK418BP4	Insulator Box, 6-3/4" Deep	2
	E-16782	52QK418BP5	Insulator Box, 6-3/8" Deep	2
11	E-1835	21AX480	Lock Nut, 7/8"-14	8
12	E-2546	37AX1310	Washer, 7/8" ID	8
13	E-3690	1AX425	Insulator Box Bolt, 7/8"-14 x 5" Long	8
	E-3691	1AX475	Insulator Box Bolt, 7/8"-14 x 5-1/4" Long	8
	E-3692	1AX427; 3AX987	Insulator Box Bolt, 7/8"-14 x 6" Long	8
	E-3693	3AX1344	Insulator Box Bolt, 7/8"-14 x 6-1/2" Long	8
	E-5428	3AX1348	Insulator Box Bolt, 7/8"-14 x 8" Long	8
14	E-3696	4AX320; 6AX837	Insulator Box Stud, 7/8"-9 x 4-1/2" Long	8
	E-5427	6AX1160	Insulator Box Stud, 7/8"-9 x 6" Long	8
15	E-3697	97QL399P2	Trunnion Grease Cap, 5/16" Dia. Bolt Holes, 7" Bolt Circle	2
	E-3697-P	97QL399P2	Trunnion Grease Cap, 5/16" Dia. Bolt Holes, 7" Bolt Circle, Price Point	2
16	E-16787	-	Trunnion Nut & Hardware, Includes Trunnion Nut	2
17	E-3915	23QJ112B	Star Lock Washer, 4-7/8" OD x 1/4" Thick	2
18	E-3687	39QK27E; 39QK27F; 39QK326	Trunnion and Bushing Assembly	2
	E-3687-P	-	Trunnion and Bushing Assembly, Price Point	2
19	E-3988	-	Transverse Torque Arm Kit, Full Ball Design	1
20	E-14932	-	Insulator Pad Kit, Rubber, Includes E-2919 Upper and E-2920 Lower Insulator Pads and Hardware	1
	GAFF12036	-	Insulator Pad Kit, Poly, Includes GAFF12010 Upper and GAFF12014 Lower Insulator Pads and Hardware	1

For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/LOD.





CONCRETE TRUCKS



**CHALMERS:
800 SERIES**



**HENDRICKSON:
PRIMAAX®**



**HENDRICKSON:
RS®**



**SAF-HOLLAND NEWAY:
AD-123**



**SAF-HOLLAND NEWAY:
ADZ**



CHALMERS: 800 SERIES

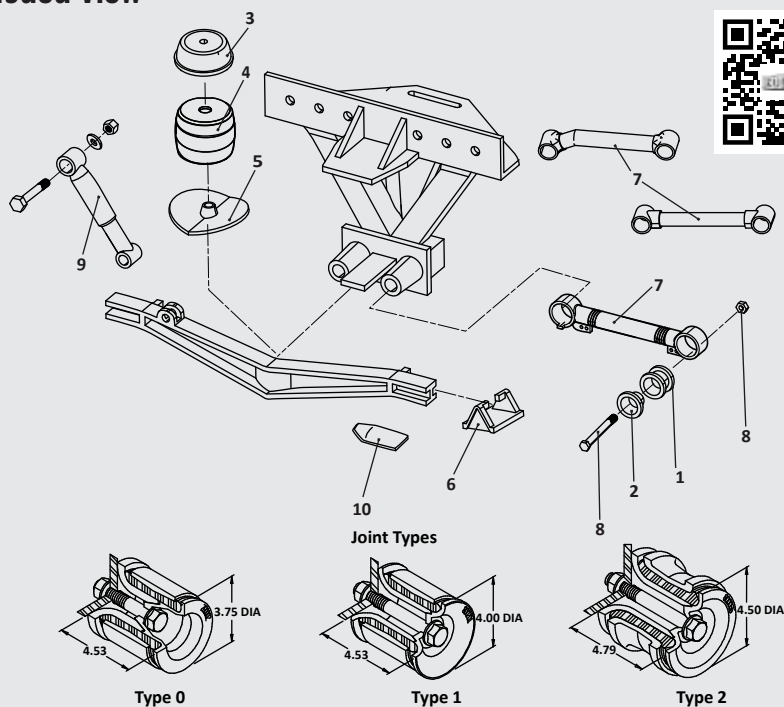
Truck, Drive Axle, Tandem, Bolster Spring / Rubber Pad



Chalmers 800 Series is a bolster spring suspension with walking beams, two load springs and eight torque arms. The suspension is known for being a reliable on road and off road system with high articulation. It is common to find the Chalmers 800 on dump trucks, cement trucks and other vocational vehicles.

Exploded View

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WEAR ITEMS

Torque rod / arm bushings and caps, load cushions.



TECH TIP

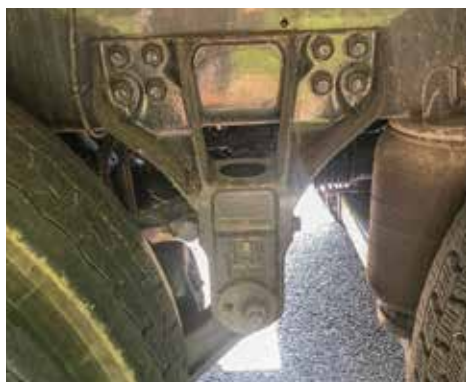
Change one rod at a time! Otherwise, axles will slide and make re-installation of rods very difficult.

KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER TANDEM
1	E-4677A	22128	Torque Arm Bushing, Rubber, Type 0 & 1 Joints	16
	E-4677A-P	22128	Torque Arm Bushing, Rubber, Type 0 & 1 Joints, Price Point	16
	GAFF18919	-	Torque Arm Bushing, Poly, Type 0 & 1 Joints	16
	E-7766	800010	Torque Arm Bushing, Rubber, Type 2 Joints	16
	E-7766-P	800010	Torque Arm Bushing, Rubber, Type 2 Joints, Price Point	16
	GAFF11739	-	Torque Arm Bushing, Poly, Type 2 Joints	16
	E-4678A	22129	Torque Arm Bushing, Rubber, Oversized, Type 0 & 1 Joints	As Required
	E-8702	22129	Torque Arm Bushing, Rubber, Oversized Version, OE Equivalent	As Required
	GAFF18920	-	Torque Arm Bushing, Poly, Oversized Version, Type 0 & 1 Joints	As Required
	E-7767	800009	Torque Arm Bushing, Rubber, Oversized, Type 2 Joints	As Required
	E-7767-P		Torque Arm Bushing, Rubber, Oversized, Type 2 Joints, Price Point	As Required
	GAFF18921	-	Torque Arm Bushing, Poly, Oversized, Type 2 Joints	As Required
2	E-9571	800201	Spigot Cap, Type 1 Joint	16
	E-9571-P		Spigot Cap, Type 1 Joint, Price Point	16
	E-7768	800055	Spigot Cap, Type 2 Joint	16
	E-7768-P		Spigot Cap, Type 2 Joint, Price Point	16
3	E-4688A	373028, 373020	Restrictor Can #28, Replaces Restrictor Can #20, 4-7/16" High x 12-5/8" Diameter	2
	E-7758	373029	Restrictor Can #29, 5-1/8" High x 11-1/2" Diameter, High Center of Gravity	2
4	E-4685	15002	Load Spring #20, 9-1/2" Diameter, Rubber	2
	E-4685-P	15002	Load Spring #20, 9-1/2" Diameter, Rubber, Price Point	2
	GAFF11740	-	Load Spring #20, 9-1/2" Diameter, Poly	2
5	E-7769	800117, 800689	Spring Plate, 46-58K Low Mount For 54" Axle Spread	2
	E-7770	800125, 800691	Spring Plate, 40-58K High Mount For 60" Axle Spread,	2
	E-14982	800685, 800119	Spring Plate, 40-58K High Mount For 60" Axle Spread, 46-58K Low Mount for 72" Axle Spread	2
6	E-7756	222083	Saddle, Most Axles	4
7	E-14985	223157	Rigid Torque Arm, Upper, 15-7/8" Center-to-Center, Type 0 & 1 Joints	4
	E-14986	800049	Rigid Torque Arm, Upper, Curved Design 46-50K, Type 2 Joints	4
	E-14773	807250	Adjustable Torque Arm, 46K 21-3/4" Center-to-Center, Type 2 Joints	1
	E-14774	807216	Adjustable Torque Arm, 46K 25" Center-to-Center, Type 2 Joints	1
	E-14987	807214	Adjustable Torque Arm, 21-1/2" Center-to-Center, Type 2 Joints	1
	E-14976	807240	Adjustable Torque Arm, 24" Center-to-Center, Type 2 Joints	1
	E-14989	807220	Adjustable Torque Arm, 22" Center-to-Center, Type 2 Joints	1
	E-14991	805220	Rigid Torque Arm, 22" Center-to-Center, Type 2 Joints	1
8	E-7774	K880640	Hardware Kit, Type 1 Joint, 5" Bolts	4
	E-7773	K880231	Hardware Kit, Type 2 Joint, 5-1/2" Bolts	4
9	M85301	800670	Shock Absorber, High Mount	4
	M85305	800781	Shock Absorber, Low Mount	4
	M85060	665174	Shock Absorber, Standard Mount	4
10	E-7765	700313	Wear Plate	As Required

For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/LOD.

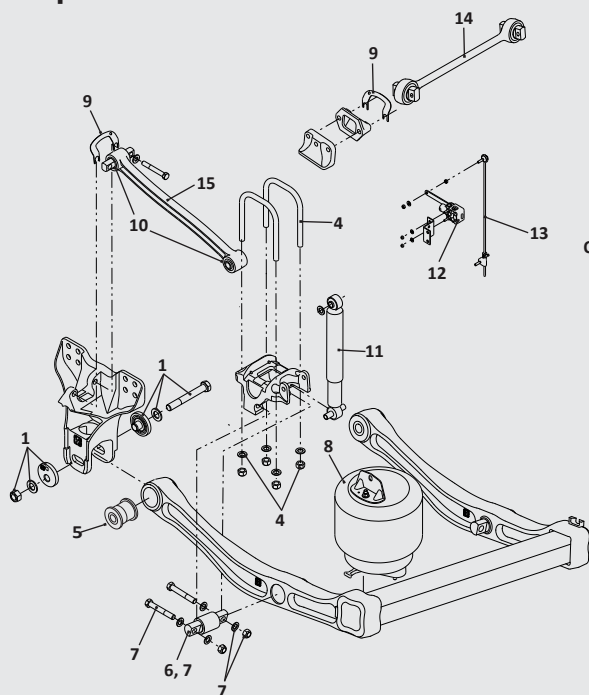


Truck, Drive Axle, Air Ride, Single or Multiple Axles, Transverse Torque Arm

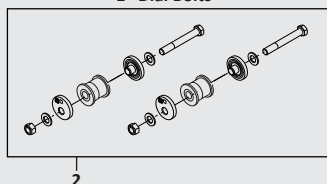


The PRIMAAX is an air spring suspension designed for severe duty applications. This suspension features two front pivot bushings and two torque rods. The PRIMAAX suspension is commonly found on cement trucks, flatbed trucks and other specialty vocational applications. Each axle is independently supported allowing these suspensions to be stacked up for tandem or tridem applications.

Exploded View

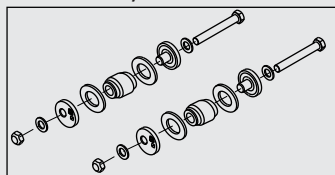


QUIK-ALIGN™ Pivot Bushing Kit
1" Dia. Bolts



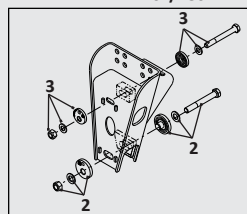
2

QUIK-ALIGN™ Pivot Bushing Kit Severe Service
1-1/4" Dia. Bolts



2

Hanger With One Torque Mounting Bolt
PRIMAAX 230T/460T/690T &
FIREMAAX 240T/480T



3



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KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER AXLE	
				PRIMAAX® EX 23K/26K S/46K/52K S/69K/78K S, FIREMAAX EX 24K/27K S 48K/54K	PRIMAAX® EX 26K/52K/78K, FIREMAAX EX 27K/31K/54K/62K
1	E-14673A	60632-019 60632-006	Quik-Align Collar Service Kit, 1" Bolts, One Wheel End	2	2
2	E-14025	60632-020	QUIK-ALIGN™ Pivot Bushing Service Kit, 1" Dia. Bolts, Includes Key No. 9, Axle Set. For Wheel End Kit: E-16350	1	1
	E-17574	60632-043	QUIK-ALIGN™ Pivot Bushing Service Kit, Severe Service, 1" Dia. Bolts, with Severe Service Bushings and Wear Washers, Axle Set.	As Required	As Required
3	E-16262	58821-011	Torque Rod Fastener & Alignment Kit, One Wheel End	-	2
4	E-UB8257-087	-	U-Bolt Assembly, Sq. Bend, 3/4"-16 Thd. x 6-3/8" Wide x 8-7/8" Long	4	
	E-UB8257-11	-	U-Bolt Assembly, Sq. Bend, 3/4"-16 Thd. x 6-3/8" Wide x 11" Long	4	4
	E-UB8257-12	-	U-Bolt Assembly, Sq. Bend, 3/4"-16 Thd. x 6-3/8" Wide x 12" Long	-	4
5	E-13992	58648-000	Pivot Bushing, Rubber	2	2
	GAFF18821	-	Pivot Bushing, Poly	2	2
6	E-14026	60383-000	D-Pin Bushing Use with 3/4" Bolts, Rubber	2	-
	GAFF13627	-	D-Pin Bushing Use with 3/4" Bolts, Poly	2	-
	E-17569	65381-000	D-Pin Bushing Use with 7/8" Bolts	-	2
7	E-17596	34013-117	D-Pin Bushing and Fastener Kit, Includes E-14026 Bushing and 3/4"-16 x 4-3/4" Long Bolts, Wheel End Set	2	2
	E-17597	34013-478	D-Pin Bushing and Fastener Kit, Includes E-17569 Bushing and 7/8"-14 x 4-1/2" Long Bolts, Wheel End Set	2	2
	E-17598	34013-477	D-Pin Bushing and Fastener Kit, Includes E-17569 Bushing and 7/8"-14 x 4-3/4" Long Bolts, Wheel End Set	2	2
	E-17599	34013-114	D-Pin Bushing and Fastener Kit, Includes E-17569 Bushing and 7/8"-14 x 5" Long Bolts, Wheel End Set	2	2
	E-17600	34013-479	D-Pin Bushing and Fastener Kit, Includes E-17569 Bushing and 7/8"-14 x 5-1/2" Long Bolts, Wheel End Set	2	2
8	See 700F Catalog	Various	Air Spring Assembly See Selection Guide	2	2
9	E-5281	49689-000	Shim; 1/16" Thick, 4-3/8" Center to Center	As Required	-
10	See Hendrickson Torque Rod Section in 700F	Various	Torque Rod Bushing. Most Hendrickson OE Torque Rods Are Not Rebusable. If Torque Rod Bushings Can Be Replaced, See Torque Rod Bushing Section for Replacement Bushings.	2	2
11	M85072	60657-003; 60657-004; 60657-005; 60657-007	Shock Absorber, PRIMAAX EX, Most Drum Brake Applications, Except 12" Ride Height	2	-
	M85967	60665-011	Shock Absorber, PRIMAAX EX, w/Drum Brake, 12" Ride Height	2	-
	M85962	68065-014	Shock Absorber, PRIMAAX EX, w/Air Disc Brakes, Except 12" Ride Height	2	-
	M85965	60665-013	Shock Absorber, PRIMAAX EX, w/Drum Brakes, Except 12" Ride Height	-	2
12	E-11870	57977-000	Height Control Valve with Dump	1	1
13	E-9625	-	Linkage Assembly; Universal Adjustable 3-5/8"—19-5/8" Range	1	1
14	See Ultra Rod Section in 700F	Various	Transverse Torque Rod,	1	1
15	See Hendrickson Torque Rod Section in 700F	Various	Torque Rod Assembly	2	2

For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/LOD.



Truck, Drive Axle, Bolster Spring / Rubber Pad, Tandem, Transverse Torque Arm for High Capacities



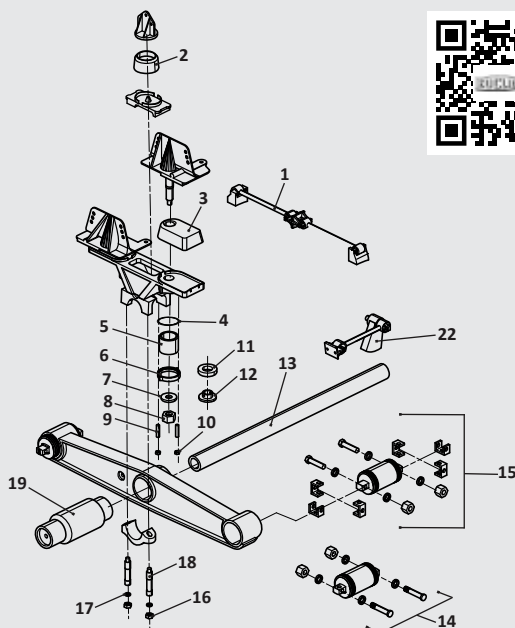
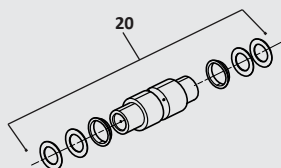
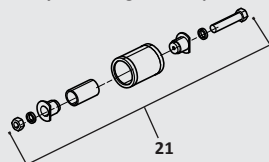
The RS is a bolster spring suspension that features a maximum of six springs (four standard springs and two optional overload springs), two or three per side, and a walking beam with a central bushing that acts as a pivot point. This suspension is common for severe duty applications. This system also features the standard Hendrickson four end beam bushings.

Exploded View

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Old Style Bushing and Adapter



WEAR ITEMS

Bolster spring, center and end beam bushings.



TECH TIP

Load cushions that are cut or damaged should be replaced. The free height of new cushions is 3.94". Used cushions that measure less than 3.68" when measured on a flat surface have taken a permanent set and should be replaced.

KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER TANDEM
1	See Torque Rod Section, Page 94	Various	Torque Rod Assembly	2
2	E-2232	24209-000	Heavy-Duty Load Cushion RS-340 / 400 / 460 / 480 / 520, Rubber	2
	GAFF13649	-	Heavy-Duty Load Cushion RS-340 / 400 / 460 / 480 / 520, Poly	2
3	E-1598A	48973-000	Load Cushion, 60 Durometer, Discontinued used E-1960, Rubber	4
	GAFF13650	-	Load Cushion, 60 Durometer, Discontinued used E-1960, Poly	4
	E-1960	26953-000	Load Cushion, 70 Durometer	4
4	E-9418	50780-000	Saddle Bushing Ring	4
5	E-1940	19279-000	Bushing	4
6	E-1941	05917-000	Cap	4
7	E-1945	08536-000	Washer	4
8	E-1946	25151-000	Nut, 1-1/2"-12	4
9	E-1942	19111-001	5/8"-18, 5/8"-11 Bushing Cap Stud	8
10	E-1943	19114-000	Nut, 5/8"-18	8
11	E-2233	30208-000	Rebound Bumper	As Required
12	E-7620	30251-000	Stop Nut	As Required
13	E-1842	44643-009	Cross Tube, 44-7/8"	1
	E-9426	07622-003	Cross Tube, 46"	1
14	E-9325	34013-087	Bar Pin Bushing Kit, Non-Shim Type, Rubber	4
	GAFF13607	-	Bar Pin Bushing Kit, Non-Shim Type, Poly	4
15	E-9326	34013-088	Bar Pin Bushing Kit, Shim Type	4
	GAFF13596	-	Bar Pin Bushing Kit, Shim Type, Poly	4
16	E-1835	04842-000	7/8"-14 Saddle Cap Locknut	8
17	E-1834	22962-002	7/8" Hardened Washer	8
18	E-1947	09030-000	7/8"-14, 7/8"-9 Saddle Cap Stud	8
19	E-1338	6664-000	Rubber Center Bushing Welded End Plug, RS340	2
	GAFF13500	-	Poly Center Bushing Welded End Plug, RS340	2
	E-1594	22279-000	Rubber Center Bushing Loose End Plug, RS340	2
	E-6979	49400-000	Rubber Center Bushing Welded End Plug, RS400 / 460	2
	GAFF13505	-	Poly Center Bushing Welded End Plug, RS400 / 460	2
	E-6980	49600-000	Rubber Center Bushing Loose End Plug, RS400 / 460	2
	GAFF13543	-	Poly Center Bushing Loose End Plug, RS400 / 460	2
	E-9359	29483-005	Rubber Center Bushing Welded End Plug, RS460 / 480 / 520 Extreme Duty, Transverse Rods Required	2
20	E-1546	30437-000	Bronze Center Bushing Kit, RS400 / 460 / 480 / 520	2
21	E-5308	34013-048	End Beam Bushing Kit, RS340, Includes Bushing, Adapter & Hardware	4
	E-5309	34013-049	End Beam Bushing Kit, RS400, Includes Bushing, Adapter & Hardware	4
	E-9576	34013-073	End Beam Bushing Kit, RS460, Includes Bushing, Adapter & Hardware	4
	E-9577	34013-050	End Beam Bushing Kit, RS480 / 520, Includes Bushing, Adapter & Hardware	4
22	E-13988	60215-000	Two-Piece Transverse Torque Rod Kit, Includes Bushings	2

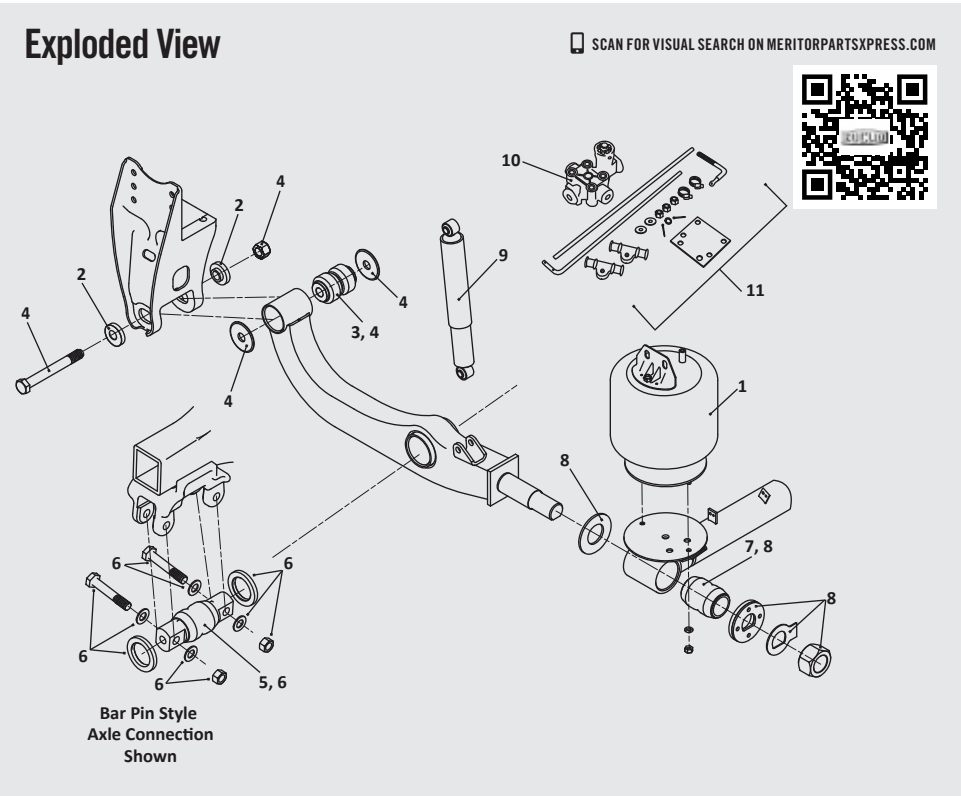
For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/L0D.



Truck, Drive Axle, Air Ride, Single or Multiple Axles, Transverse Torque Arm



The AD Series suspensions are air ride suspensions that come in three different versions. The AD-123 (23,000 lbs), AD-126 (26,000 lbs), and AD-130 (30,000 lbs). This suspension is commonly used on vocational trucks such as liquid hauler trucks, cement trucks and other specialty applications. Each axle is independently supported allowing these suspensions to be stacked up for tandem or tridem applications.





KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER AXLE
1	FS9471	90557146	Firestone Air Spring, Includes Mounting Bracket, 10" Ride Height	2
	EAS9471	90557146	Euclid Air Spring, Includes Mounting Bracket, 10" Ride Height	2
	FS9472	90557147	Firestone Air Spring, Includes Mounting Bracket, 6-3/4" & 8-3/4" Ride Height	2
2	E-4267	90008120	Alignment Block, AD123 & AD126 Only	2
3	E-9292	90008252	Beam Bushing, Pivot, Rubber, AD123 & AD126 Only	2
	GAFF14514	-	Beam Bushing, Pivot, Poly, AD123 & AD126 Only	2
	E-16567	90008256	Bushing, Front Pivot, Rubber, AD130 Only	2
4	E-9300A	48100260/SRK-200	Pivot Connection Kit, Includes Bushing & Hardware, AD123 Only	1
	E-16562	48100427/SRK-563	Pivot Connection Kit, Includes Bushing & Hardware, AD126 Only	1
	E-16589	48100429/SRK-565	Pivot Connection Kit, Includes Bushing & Hardware, Heavy Duty, AD130 Only	1
5	E-10678	90008175	Bushing, Axle Connection, Bar Pin Style, Rubber, AD123 Only	2
	E-16636	90508012	Bushing, Axle Connection, Bar Pin Style, Rubber, AD126 Only	2
6	E-15340	48100315/SRK-452	Connection Kit, Axle, Bar Pin Style, Includes Hardware & Bushing, AD123 Only	1
	E-16638	48100313/SRK-450	Connection Kit, Axle Bar Pin, Includes Hardware & Bushing, AD126 Only	1
7	E-4252	90008219	Bushing, Transverse Beam, Rubber, AD123 & AD126 Only	2
	GAFF31592	-	Bushing, Transverse Beam, Poly, AD123 & AD126 Only	2
	E-9293	90008135	Bushing, Transverse Beam, Rubber, AD130 Only	2
8	E-16624	48100276/SRK-214	Transverse Beam Connection Kit, Includes Bushing, Nut & Spacer Assembly, AD123 Only	1
	E-16577	48100335/SRK-472	Transverse Beam Connection Kit, Includes Bushing, Nut & Spacer Assembly, AD126 Only	1
	E-16608	48100364/SRK-500	Transverse Beam Connection Kit, Includes Bushing, Nut & Spacer Assembly, AD130 Only	1
9	M85906	90045099	Shock Absorber	2
	M85909	90045132	Shock Absorber (Optional, 24-1/4" Extended Length)	2
10	E-13922	90554241	Height Control Valve	1
11	E-16623	48100267/SRK-205	Linkage, Height Control Valve	1

For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/LOD.





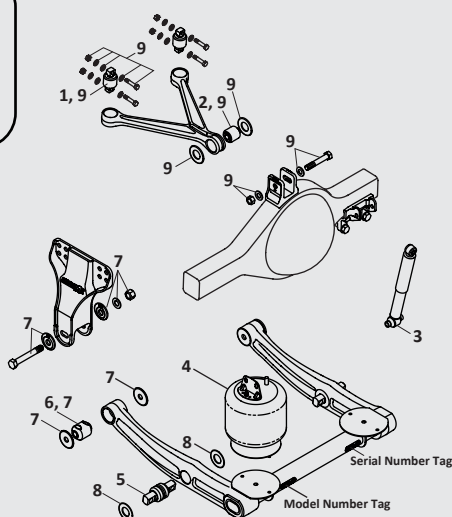
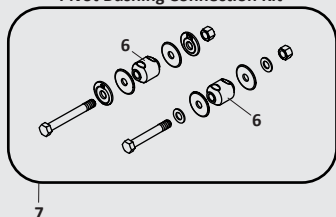
Truck, Drive Axle, Air Ride, Single or Multiple Axles, Transverse Torque Arm



The ADZ is an air spring suspension designed for severe duty applications. This suspension supports one axle and features two front pivot bushings and a V-Style Torque Rod. The ADZ suspension is commonly found on cement trucks and other specialty vocational applications. Each axle is independently supported allowing these suspensions to be stacked up for tandem or tridem applications.

Exploded View

Pivot Bushing Connection Kit



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WEAR ITEMS

Air springs, shocks, bushings and height control valve



KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER AXLE
1	E-10303	90008265	Bar-Pin Bushing, Rubber, Included in Kit E-17685	2
	E-10303-P	90008265	Bar-Pin Bushing, Rubber, Price Point	2
	GAFF11729	-	Bar-Pin Bushing, Poly	2
2	E-17678	90008264	V-Rod Thru Bolt Bushing, Rubber, Included in Kit E-17686	1
	GAFF14537	-	V-Rod Thru Bolt Bushing, Poly	1
3	M85109	90045605	Shock Absorber	2
4	E-17679	90557368	Air Spring, 10" Ride Height, 123, 246, 369 Models	2
	E-17680	90557395	Air Spring, 12" Ride Height, 123, 246, 369 Models	2
	E-17681	90557392	Air Spring, 126, 252, 378 Models	2
5	E-17682	90008267	Bar-Pin Bushing, Rubber, Included in Kit E-17686	2
	GAFF14536	-	Bar-Pin Bushing, Poly	2
6	E-17683	90008279	Beam End Bushing, Included in Kit E-17684	2
7	E-17684	SRK-643	Pivot Bushing Connection Kit, Includes Key No. 6 & Mounting Hardware	1
8	E-17685	SRK-644	Axle Bar-Pin Bushing Connection Kit, Includes Key No. 5 & Mounting Hardware	1
9	E-17686	SRK-645	V-Rod Bushing Connection Kit, Includes Key No. 1, 2 & Mounting Hardware	1

For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/L0D.





VOCATIONAL TRAILERS



HUTCH:
H900



MERITOR®:
MTA



REYCO:
21B CAST

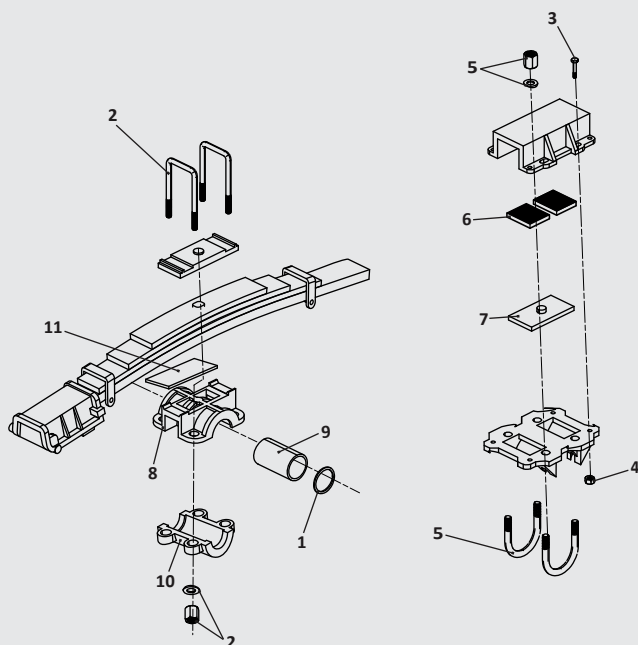
Trailer, Single Point Leaf Spring



H900 is a spring suspension that is a single point trunnion style. The system features leaf springs that pivot on a trunnion and extend out to the spring end caps. The spring end caps have rubber pads around the springs to reduce wear and increase ride performance. This system is commonly used on dump trailers. There are many trunnion and axle mounting options for these suspensions which require careful review.

Exploded View

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See catalog 700F for other overslung and underslung axle and trunnion options.

WEAR ITEMS

Trunnion bushing, spring end pads.

KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER TANDEM
1	E-5219	895-00	Trunnion Washer, 4" ID x 5-3/4" OD x 3/16" Thick	2
2	E-UB8286-134	9639-01, 9639-02	U-Bolt Assembly, Sq. Bend, 1-1/8"-12 Thd. X 5-1/8" Wide x 13-1/2" Long	4
	E-UB8286-154	9639-03, 9639-04, 9639-05	U-Bolt Assembly, Sq. Bend, 1-1/8"-12 Thd. x 5-1/8" Wide x 15-1/2" Long	4
3	E-4348	-	Hex Bolt 5/8"-11 x 2" Long	16
4	E-2988	-	Hex Locknut 5/8"-11	16
5	E-UB8155-073	10060-01	U-Bolt Assembly, Rd. Bend, 3/4"-16 Thd. x 5" Wide x 7-3/8" Long	8
	E-UB8156-08	10061-01	U-Bolt Assembly, Rd. Bend, 3/4"-16 Thd. x 5-3/4" Wide x 8" Long	8
	E-UB8157-08	10062-01	U-Bolt Assembly, Rd. Bend, 3/4"-16 Thd. x 6" Wide x 8" Long	8
	E-UB8175-104	10064-01, 10064-02	U-Bolt Assembly, Rd. Bend, 1"-14 Thd. x 5" Wide x 10-1/2" Long	8
	E-UB8177-114	10065-01	U-Bolt Assembly, Rd. Bend, 1"-14 Thd. x 5-3/4" Wide x 11-1/2" Long	8
	E-UB8176-114	10066-01	U-Bolt Assembly, Rd. Bend, 1"-14 Thd. x 6" Wide x 11-1/2" Long	8
	E-UB8256-077	10063-02	U-Bolt Assembly, Sq. Bend, 3/4"-16 Thd. x 5" Wide x 7-7/8" Long	8
	E-UB8271-104	10067-02	U-Bolt Assembly, Sq. Bend, 1"-14 Thd. x 5" Wide x 10-1/2" Long	8
	E-UB8271-111	10067-03	U-Bolt Assembly, Sq. Bend, 1"-14 Thd. x 5" Wide x 11-1/8" Long	8
6	E-5227	814-00	Spring End Pad, Rubber	8
	GAFF14087	-	Spring End Pad, Poly	8
7	E-5228	10608-00	Alignment Adjustment Plate 3/8" Thick	4
	E-5228-P	10608-00	Alignment Adjustment Plate 3/8" Thick, Price Point	4
	E-15463	19059-01	Alignment Adjustment Plate 5/8" Thick	4
8	E-5210	891-00	Upper Trunnion Hub	2
9	E-5216	890-00	Trunnion Bushing, Rubber	2
	GAFF14027	-	Trunnion Bushing, Poly	2
	E-16397	23276-01	Free Oscillating Trunnion Bushing	2
10	E-5211	898-00	Lower Trunnion Hub, Overslung	2
	E-5211-P	898-00	Lower Trunnion Hub, Overslung, Price Point	2
	E-5212	892-00	Lower Trunnion Hub, Underslung Trunnion	2
11	E-25197	12919-01	Spring Liner Pad, 4-3/4" Wide x 10" Long	2

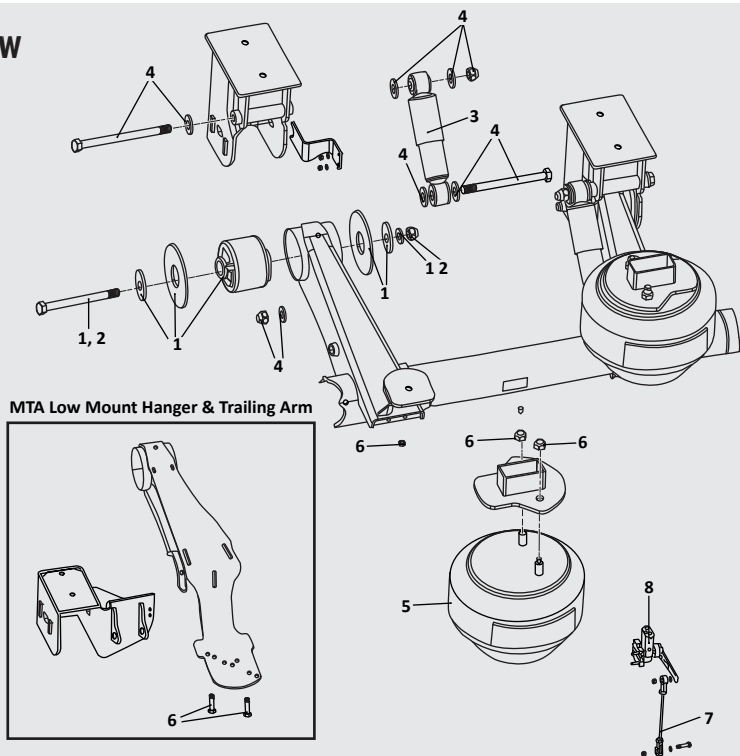
For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/LOD.

Trailer, Air Ride, Single Axle



The MTA suspension is a trailing arm air suspension. It comes in five versions, three top-mount models ranging from 23,000- to 30,000-pound capacities and two recently introduced low-mount models in 25,000- and 30,000-pound per axle capacities. The MTA suspension features a distinctive groove or channel in the outer alignment collar.

Exploded View



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TECH TIP

Loose fasteners that are allowed to operate for any period of time will result in irreversible damage. Retightening a worn fastener will not correct a situation created by loose operation. It is imperative that fastener and other affected parts including bushings be replaced.

KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER AXLE
1	E-17040	KIT 11350	Pivot Bolt and Bushing Kit, MTA23T Only, Includes Bushing, Alignment Collars, & Hardware	2
	E-17041	KIT 11351	Pivot Bolt and Bushing Kit, All MTA25 & 30 Models, Includes Bushing, Alignment Collars, & Hardware	2
2	E-17042	KIT 11352	Pivot Bolt Kit, MTA23T Only, Includes Bolt, Washers & Nut	2
	E-17043	KIT 11353	Pivot Bolt Kit, All MTA25 & 30 Models, Includes Bolt, Washers & Nut	2
3	E-17698	A-7805-F-1020	Shock Absorber, All Top Mount Models	2
	E-17717	A-7805-S-1163	Shock Absorber, All Low Mount Models	2
4	E-17046	KIT 11356	Shock Absorber Hardware Kit, All Top Mount Models, Includes Bolts, Washers & Nuts	2
	E-17067	KIT 11432	Shock Absorber Hardware Kit, All Low Mount Models, Includes Bolts, Washers & Nuts	2
5	E-17688	A-2258-H-1568	Air Spring, MTA23T Only	2
	FS8091	A-2258-P-1576	Air Spring, MTA25T Only	2
	EAS8091	A-2258-P-1576	Euclid Air Spring, MTA25T Only	2
	E-17692	A-2258-Q-1577	Air Spring, MTA30T Only	2
	E-17693	A-2258-H-1776	Air Spring, MTA25L & 30L, 6.5"-8" Ride Height	2
	E-17689	A-2258-J-1726	Air Spring, MTA25L & 30L, 9"-11" Ride Height	2
	E-17694	A-2258-J-1778	Air Spring, MTA25L & 30L, 12"-19" Ride Height	2
6	E-14350	KIT 11203	Air Spring Hardware Kit, Top Mount Only, Includes Upper and Lower Nuts	2
	E-17030	KIT 11455	Air Spring Hardware Kit, Low Mount Only, Includes Upper Nuts and Lower Bolts	2
7	E-17048	203159-5	Linkage Assembly, All Top Mount Models, Use with Hadley Style HCV	1
	E-17066	203159-9	Linkage Assembly, All Low Mount Models, Use with Hadley Style HCV	1
8	E-17049	A-7806-M-1053	Height Control Valve, Remove Air to Dump, All Top Mount Models Prior to November 2019	1
	E-14677	A-7806-L-1052	Height Control Valve, No Dump, All Top Mount Models Prior to November 2019	1
	E-17050	A-7806-Y-1065	Height Control Valve, Remove Air to Dump, All Low Mount Models Prior to November 2019	1
	E-17051	A-7806-X-1064	Height Control Valve, No Dump, All Low Mount Models Prior to November 2019	1

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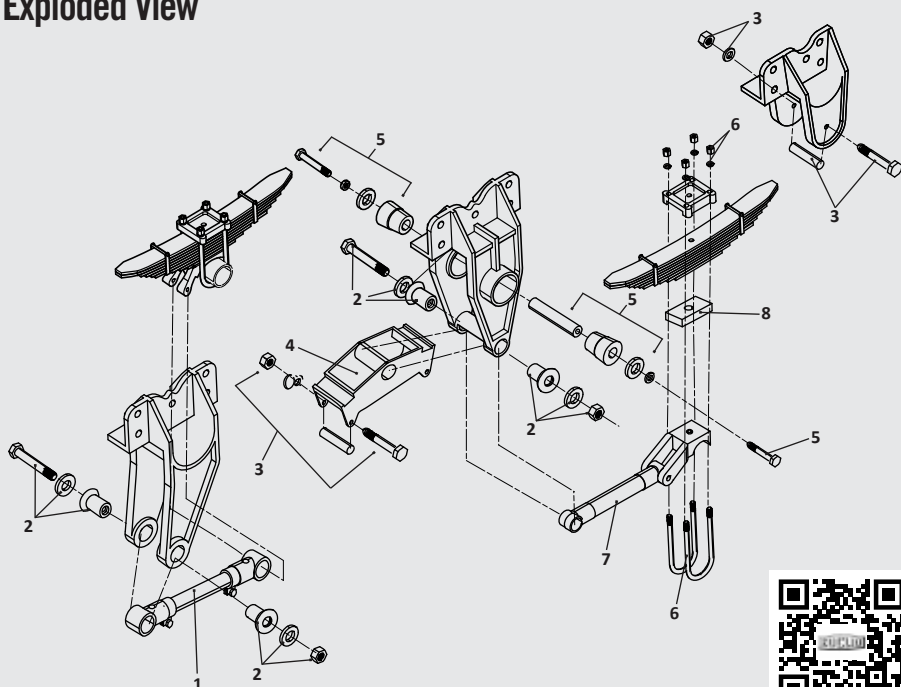
REYCO: 21B CAST – 42"-49" AXLE SPACING

Trailer, Leaf Spring, Tandem or More Axles



Reyco 21B is a leaf spring suspension that comes in multiple axle spacing configurations, 44" to 60". The suspension comes in two major variants the cast and fabricated version. The hangers and equalizers for each version are not interchangeable. The Reyco 21B is popular with vocational trailers.

Exploded View



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WEAR ITEMS

Equalizers and bushing, torque arms and bushings.

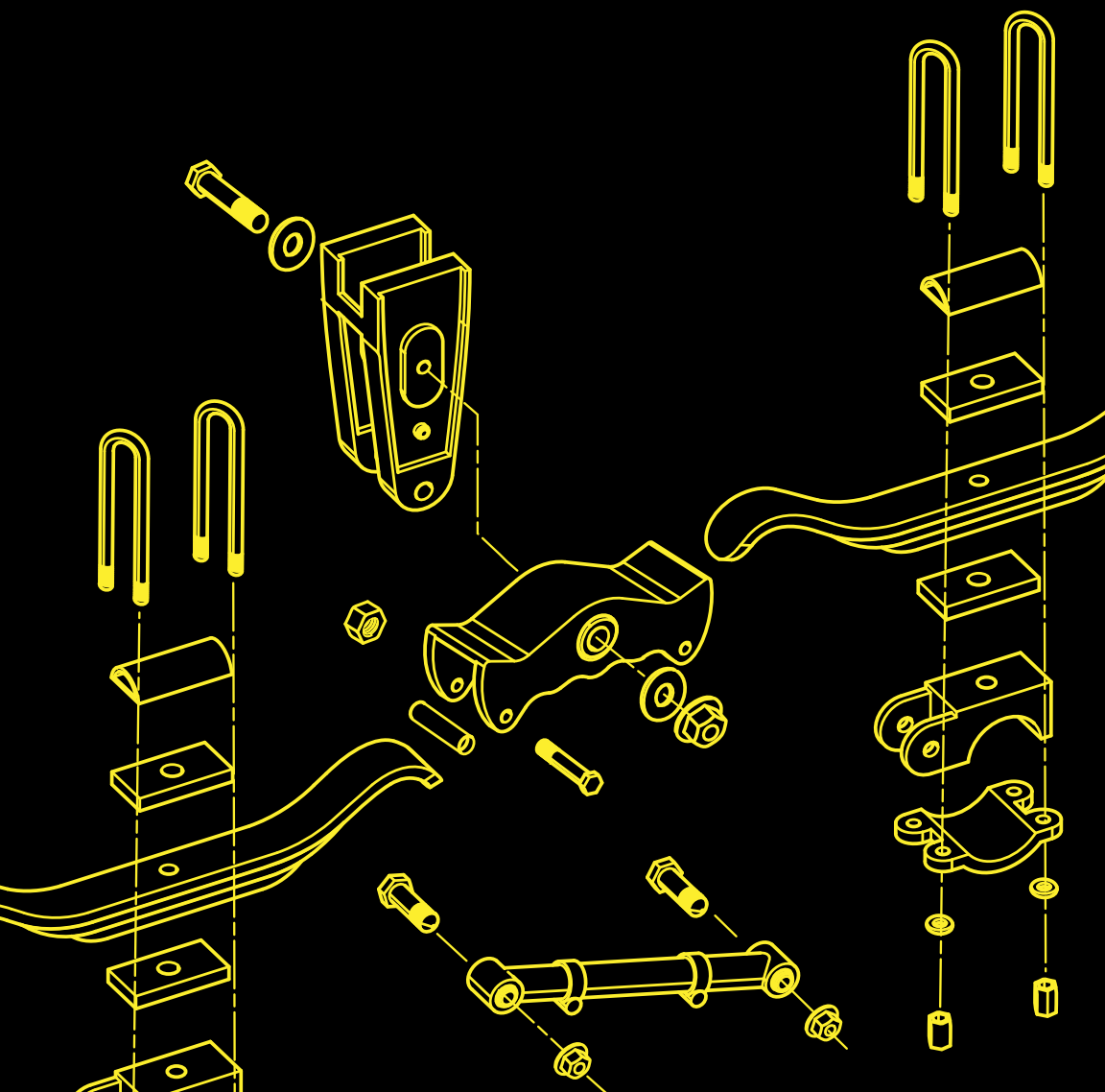
KEY NO.	EUCLID PART NO.	OEM REF.	DESCRIPTION	QTY. PER TANDEM
1	E-3283A	15172-01	Adjustable Torque Arm without Bushings, Rear 42"–44" Axle Spacing, Front 49"–109" Axle Spacing	1
	E-3284A	15173-01	Adjustable Torque Arm without Bushings, Rear 49"–109" Axle Spacing	1
	E-3284A-P	15173-01	Adjustable Torque Arm without Bushings, Rear 49"–109" Axle Spacing, Price Point	1
2	E-1312A	TK18997	Torque Arm Bushing Kit Includes Rubber Bushing and Hardware	8
	GAFF999545	-	Torque Arm Bushing Kit Includes Poly Bushing and Hardware	8
3	E-1975	TK19011	Spring Roller Assembly Includes Roller and Hardware	6
4	E-2846A	21725-01	ADI Equalizer without Bushing, 49" Axle Spacing	2
	E-10768A	25222-01	ADI Equalizer without Bushing, 42"–44" Axle Spacing	2
	E-16477	T-5427	Equalizer, Steel, 49" Axle Spacing, without Bushing	2
5	E-3976	TK18998	Equalizer Bushing Assembly Includes Rubber Bushing and Hardware	2
	GAFF15075	-	Equalizer Bushing Assembly Includes Poly Bushing and Hardware	2
6	E-UB5165-14	Various	U-Bolt Assembly, Rd. Bend, 7/8"-14 Thd. x 5" Wide x 14" Long	8
	E-UB5165-18	Various	U-Bolt Assembly, Rd. Bend, 7/8"-14 Thd. x 5" Wide x 18" Long	8
	E-UB5161-14	Various	U-Bolt Assembly, Rd. Bend, 7/8"-14 Thd. x 3" Wide x 14" Long	8
	E-UB5161-18	Various	U-Bolt Assembly, Rd. Bend, 7/8"-14 Thd. x 3" Wide x 18" Long	8
7	E-2855	15178-01, T-7635	Torque Arm, Rigid, without Bushings, Rear 44" Axle Spacing, Front 49"–109" Axle Spacing	1
	E-2856	15179-01, T-2293	Torque Arm, Rigid, without Bushings, Rear 49" Axle Spacing	1
	E-2855	T-7635	Torque Arm, Rigid, Rear 44", Front 50"–109" Axle Spacing, 16-1/4" Center-to-Center	1
8	E-9562	T-7555	Spacer, 1/2"	As Required
	E-9563	T-7716	Spacer, 1"	As Required
	E-9564	T-7654	Spacer, 1-1/2"	As Required
	E-2878	T-7655	Spacer, 2"	As Required
-	E-9559	11851-01	Equalizer Stiffener Plate, Steel Equalizer Only	As Required
	E-9560	11852-01	Equalizer Wear Pad, Steel Equalizer Only	As Required
	E-9561	15630-01	Hanger Weld-On Wear Plate, Front & Rear	As Required

For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/LOD.



APPENDIX

COMPONENT GUIDES



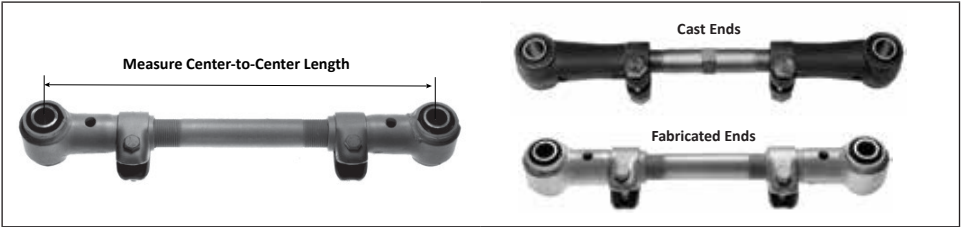
TORQUE ROD / ARM SELECTION GUIDE

ADJUSTABLE, RIGID, AND V-ROD COMPLETE ASSEMBLIES

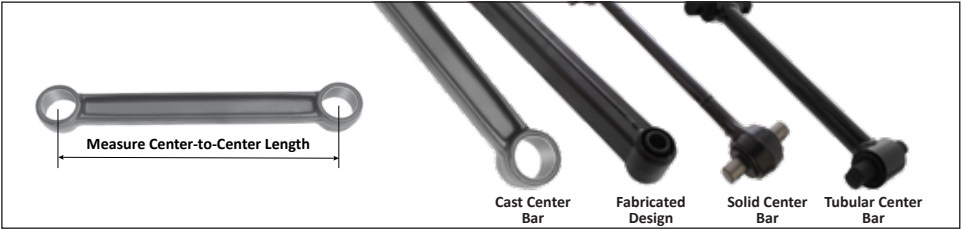
Torque Rods / Arms are available in variety of sizes and bushing styles depending on the application. The options below can be found in the parts lists or illustrated section for each suspension. While there are many torque arms contained in the 700F Euclid Suspension catalog, almost any of these one piece torque rods that are not included in this catalog can be ordered through Euclid's S.O.S. program.



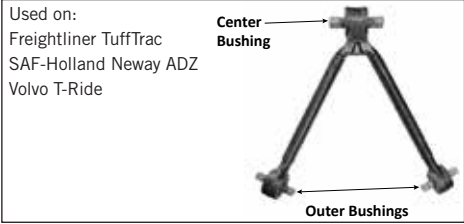
Adjustable Torque Rods (Trailer Suspensions)



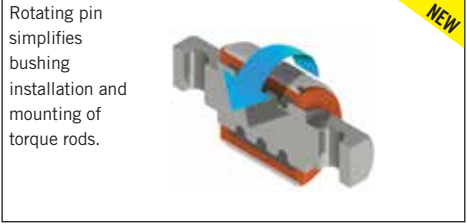
Rigid Torque Rods



V-Rod Torque Rods



Rotational Pin Poly Torque Rod Bushings



BUSHING TYPES

ONE-PIECE	STRADDLE MOUNT	STRADDLE MOUNT ROTATIONAL PIN POLY
Note the ID provides clearance for the mounting bolt.	Length is the center-to-center dimension between the holes.	Optional rotating pin replacement for standard straddle mount bushings.

TORQUE ROD / ARM SELECTION GUIDE

TORQUE ROD KITS (TRUCK SUSPENSIONS)

Several different styles of Torque Rod / Arms Kits are available from Euclid. These require measurement, cutting-to-length and welding in the field to produce the required torque rod. This design reduces inventory and provides the maximum flexibility when servicing a fleet customer.



Access the Torque Rod Visual Product Tool by scanning the QR code.

Hendrickson Ultra Rod®

These two piece kits are available from Euclid with a wide variety of bushings to cover virtually every application.
(p. 96)



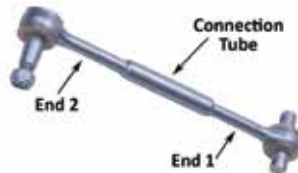
Hendrickson Ultra Rod Plus®

Euclid stocks the empty hub end and empty spacer ends that require Ultra Rod Plus Bushings. Select and install the proper bushings in the field.
(See 700F)






Uni-Rod® Kits from ZF Lemforder

These three piece kits offer a full ball socket design which provides for maximum movement or articulation in the suspension. These are typically used for heavy duty trucks and tractors that operate in environments that require high articulation.
(p. 98)



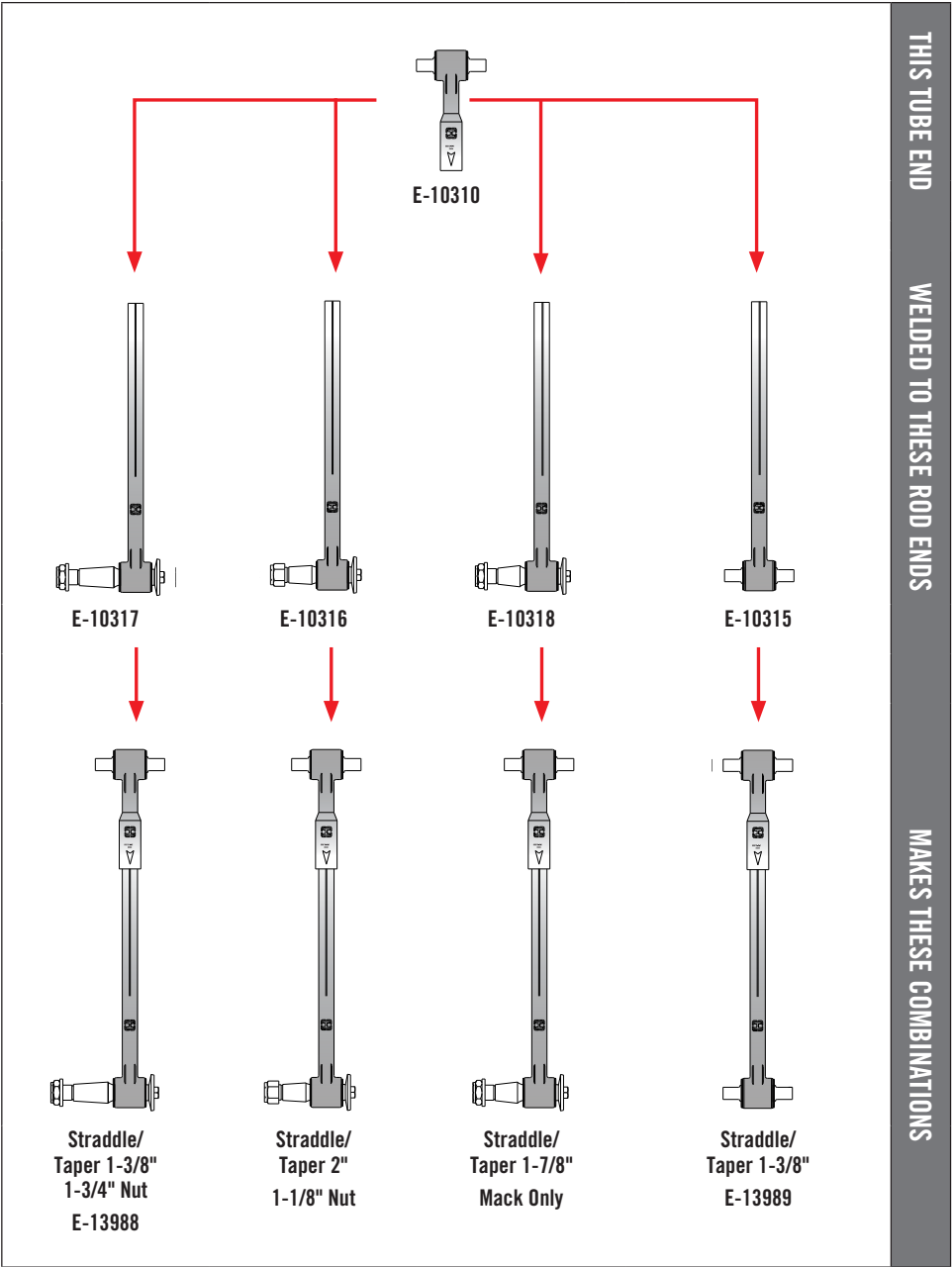
BUSHING TYPES CONTINUED

STRAIGHT TWO-PIECE	TAPERED TWO-PIECE	TAPERED STUD
		
Two bushings are typically required to service one component end.	Two bushings are required to service one component or component end.	Note the thread size and length of the tapered section.

HENDRICKSON ULTRA ROD® (TRUCK SUSPENSION)

ULTRA ROD OPTION CONFIGURATIONS

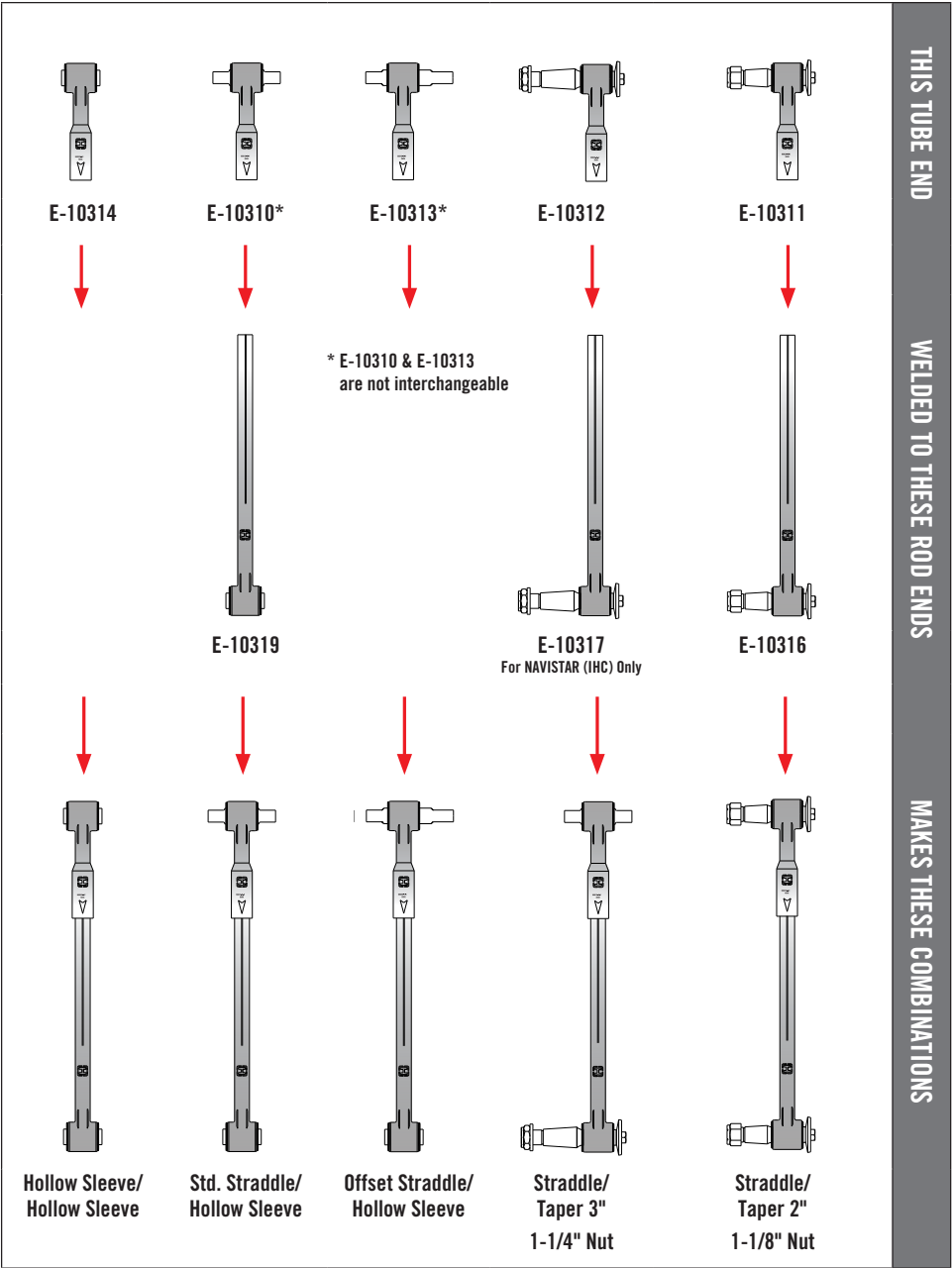
Ultra Rods require the proper selection of both the proper selection of a Tube End and Rod End. Rod end is cut to length and welded to the tube end in the field. Refer to Hendrickson publication 59310-002 for complete welding and assembly instructions.



HENDRICKSON ULTRA ROD® (TRUCK SUSPENSION)

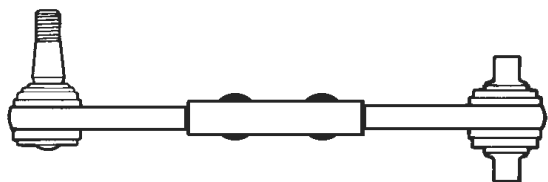
ULTRA ROD OPTION CONFIGURATIONS

Ultra Rods require the proper selection of both the proper selection of a Tube End and Rod End.
Rod end is cut to length and welded to the tube end in the field. Refer to Hendrickson publication
59310-002 for complete welding and assembly instructions.

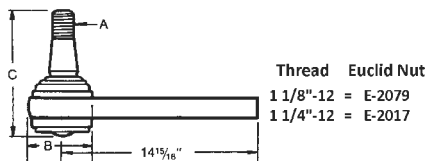


UNI-ROD® KITS: INDIVIDUAL COMPONENTS (TRUCK SUSPENSION)

Uni-Rod Kits Require Two Ends and a Connector Tube. Rod end is cut to length and welded in the field.
See page CMP-91 in the 700F for complete welding and assembly instructions
Kits are available for most popular applications and include nuts and washers (if applicable).
See 700F for kit options.



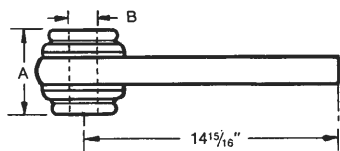
UNI-ROD BALL STUD



Nut Not Furnished

EUCLID NO.	OEM REF.	A THREAD	B	C
E-3165	O&S BU 235	1-1/8"-12	3-3/8"	6-9/64"
E-3166	O&S MU 239	1-1/4"-12	3-3/8"	6-11/64"
E-3167	O&S BU 347	1-1/4"-12	3-3/4"	7-43/64"
E-3168	O&S MU 318	1-1/4"-12	3-3/4"	6-39/64"

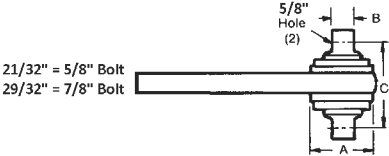
UNI-ROD HOLLOW BALL

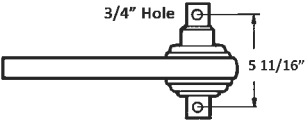



EUCLID NO.	OEM REF.	A	B
E-3169	O&S HU 351	3-1/4"	1-1/8"

UNI-ROD® KITS: INDIVIDUAL COMPONENTS (TRUCK SUSPENSION)

Uni-Rod Kits Require Two Ends and a Connector Tube. Rod end is cut to length and welded in the field.
See page CMP-91 in the 700F for complete welding and assembly instructions
Kits are available for most popular applications and include nuts and washers (if applicable).
See 700F for kit options.

UNI-ROD STRADDLE ARM					
<div><div><div>21/32" = 5/8" Bolt</div><div>29/32" = 7/8" Bolt</div></div></div>					
EUCLID NO.	OEM REF.	HOLE DIA.	A	B	C
E-3170	O&S SU 236	21/32"	3-3/8"	3-3/8"	4-3/8"
E-3171	O&S SU 348	21/32"	3-3/4"	3-3/8"	4-3/8"
E-3987	O&S BU 372	29/32"	3-3/4"	3-3/4"	4-3/8"

UNI-ROD OFFSET STRADDLE BALL	
	
EUCLID NO.	OEM REF.
E-3185	O&S SU 359

UNI-DAPTOR (CONNECTOR TUBE)		
		
EUCLID NO.	OEM REF.	A
E-3172	O&S 8151-1	8"

HENDRICKSON INTRAAX® SERIES AIR SPRING SELECTION GUIDE

INTRAAX SERIES SUSPENSION AIR SPRING SELECTION GUIDE			
MODEL	EUCLID NO.	OEM REF.	NOTES AND COMMENTS
AAEDL	S.O.S.	S-24445	9" Ride Height
	S.O.S.	S-24446	12 – 19" Ride Height
AAEDT 30K	S.O.S.	S-25319	All
AAL 23K/25K/30K	FS9626 / EAS9626	S-23720	23K — 6-1/2 – 7-1/2" Ride Height
	FS9621	S-23613	23K — 8 – 9" Ride Height
	FS9619	S-23614	23K — 12 – 19" Ride Height
	FS9644 / EAS9644	S-23721	25K — 6-1/2 – 7-1/2" Ride Height
	FS9646	S-23611	25K — 8 – 9" Ride Height
	FS9645 / EAS9645	S-23612	25K — 12 – 19" Ride Height
	S.O.S.	S-25871	30K — 8 – 9" Ride Height
	S.O.S.	S-25872	30K — 12 – 19" Ride Height
AANL 23K	FS9626 / EAS9626	S-23720	6-1/2 – 7-1/2" Ride Height Standard Pressure
	FS9621	S-23613	8 – 9" Ride Height Standard Pressure
	FS9619	S-23614	12 – 17" Ride Height Standard Pressure
	FS9644 / EAS9644	S-23721	6-1/2 – 7-1/2" Ride Height Low Pressure
	FS9646	S-23611	8 – Ride Height Low Pressure
	FS9645 / EAS9645	S-23612	12 – 17" Ride Height Low Pressure
AANLS 20K	FS9644 / EAS9644	S-23721	All
AANT 23K	FS8614	S-26773	12 – 13" Ride Height
	FS8709 / EAS8709	S-21800	13-1/2 – 19" Ride Height Standard Pressure
	FS8091 / EAS8091	S-20901	13-1/2 – 19" Ride Height Low Pressure
	E-17576	S-35510; S-39400	ZMD, 14 – 17" Ride Heights, Std Travel Only, Use Downstop E-17594 for 14" Ride Ht & 16" Ride Height with Bolt on Frame Brackets. Use E-17595 for 15 – 17" Ride Heights Including 16" Ride Height with Weld on Frame Brackets
AAT	FS8709 / EAS8709	S-21800	23K Models
	E-17576	S-35510; S-39400	23K Models, ZMD, 14-19" Ride Heights, Std Travel Only, Use Downstop E-17594 for 14 & 16" Ride Ht (Raised Center Axle w/ Limited Rebound) & E-17595 for 15 – 17" Ride Heights
	FS8091 / EAS8091	S-20901	25K Models
	E-17579	S-39401	25k Models, ZMD Composite Piston, 14 – 19" Ride Heights, Std Travel Only, Use Downstop E-17594 for 14 & 16" Ride Ht (Raised Center Axle w/ Limited Rebound) & E-17595 for 15 – 17" Ride Heights
	FS8774 / EAS8774	S-25873	30K Models
AAZL 23/46K	FS9626 / EAS9626	S-23720	6-1/2 – 7-1/2" Ride Height Standard Pressure
	FS9621	S-23613	8 – 9" Ride Height Standard Pressure
	FS9619	S-23614	12" Ride Height Standard Pressure
	FS9644 / EAS9644	S-23721	6-1/2 – 7-1/2" Ride Height Low Pressure
	FS9646	S-23611	8 – 9" Ride Height Low Pressure
	FS9645 / EAS9645	S-23612	12" Ride Height Low Pressure
AAZNT 23K	FS8709 / EAS8709	S-21800	13-1/2 – 17" Ride Height Standard Pressure
	FS8091 / EAS8091	S-20901	13-1/2 – 17" Ride Height Low Pressure
	E-17578	S-39400	ZMD, 13-1/2 – 17" Ride Height, Use Downstop E-17594 for 13.5 – 14" Ride Ht & E-17595 for 15 – 17" Ride Heights

HENDRICKSON INTRAAX® SERIES AIR SPRING SELECTION GUIDE

INTRAAX SERIES SUSPENSION AIR SPRING SELECTION GUIDE			
MODEL	EUCLID NO.	OEM REF.	NOTES AND COMMENTS
HKANT 40K	FS8713 / EAS8713	S-22948	Before Jan 2008
	FS9978 / EAS9978	S-28929	Composite Piston, After Jan 2008
	E-17575	S-33161	ZMD Built Before Jan 2008, Use Downstop E-17594
	E-17492	S-34733	ZMD Built After Jan 2008, Use Downstop E-17594
HKANT69K23	FS8709 / EAS8709	S-21800	15" Ride Height
	FS8708 / EAS8708	C-21966	16 & 18" Ride Height
HKANT/HKAT 46K / HKA200	FS8709 / EAS8709	S-21800	Less Than 16" Ride Height
	FS8713 / EAS8713	S-22948	16" & Larger Ride Height
HKAT 50K/HKA250	FS8091 / EAS8091	S-20901	14 – 15" Ride Height
	FS8093	S-23748	16 – 19" Ride Height
HKAT 69K25	FS8093	S-23748	All
ULTRAA-K UTKNT 40K	E-17492	S-34733	ZMD Built Before March 2019, Use Downstop Kit E-17593
	E-17577	S-38000	ZMD Built After March 2019
VANTRAAX HKAL 46K	FS9621	S-23613	9, 10, and 11" Ride Height
VANTRAAX HKARL 46K Slider	FS9619	S-23614	12" Ride Height
	FS9621	S-23613	All

Note: Part Numbers Beginning with FS are Genuine Firestone Air Springs. Part Numbers Beginning with EAS are Euclid Air Springs.

HENDRICKSON INTRAAX® SHOCK ABSORBER SELECTION GUIDE

INTRAAX SERIES SUSPENSION SHOCK ABSORBER SELECTION GUIDE				
MODEL	EUCLID NO.	OEM REF.	DESCRIPTION	NOTES AND COMMENTS
AAEDL	M85939	S-24579	Standard Duty Shock	Front; 9" Ride Height
	M85738	S-24023	Standard Duty Shock	Front; 12" Ride Height
	S.O.S.	S-23316	Standard Duty Shock	Front; 14 – 19" Ride Height
	M85916	S-25436	Standard Duty Shock	Rear; 9 – 12" Ride Height
	M85337	S-25437	Standard Duty Shock	Rear; 14 – 17" Ride Height
AAEDT 30K	S.O.S.	S-23316	Standard Duty Shock	Front; 14" Ride Height; Extended Service & High Damping
	M85338	S-25515	Standard Duty Shock	Front; 15 & 17" Ride Height; Extd Service & High Damping
	M85916	S-25436	Standard Duty Shock	Rear; 14 & 15" Ride Height; Extended Service
	S.O.S.	S-25512	Standard Duty Shock	Rear; 16 & 17" Ride Height; Extended Service
AAL 23K/25K/30K	M85045	S-23651	Standard Duty Shock	Front Standard; 6-1/2 – 9" Ride Height
	M85000	S-23566	Standard Duty Shock	Front Standard; 12" Ride Height
	M85029	S-2212	Standard Duty Shock	Front Standard; 14 – 19" Ride Height
	S.O.S.	S-20345	Standard Duty Shock	Rear; 6-1/2 – 7-1/2"; Ride Height
	M85939	S-24579	Standard Duty Shock	Rear; 6-1/2 – 9" Ride Height; Extended Service
	M85916	S-25436	Standard Duty Shock	Rear; 9 – 12" Ride Height
	M89430		Premium Adjustable Shock Absorber	
	M85738	S-24023	Standard Duty Shock	Rear; 12" Ride Height; Extended Service
	S.O.S.	S-23316	Standard Duty Shock	Rear; 14 – 19" Ride Height; Extended Service
	M85337	S-25437	Standard Duty Shock	Rear; 14 – 17-1/2" Ride Height
AANL 23K	M85045	S-23651	Standard Duty Shock	6-1/2 – 9" Ride Height; Standard
	M85939	S-24579	Standard Duty Shock	6-1/2 – 9" Ride Height; Extended Service
	M85338	S-25515	Standard Duty Shock	12 – 17" Ride Height; Extended Service
AANLS 20K	M85045	S-23651	Standard Duty Shock	Front Standard; 6-1/4 – 9" Ride Height
	M85000	S-23566	Standard Duty Shock	Front Standard; 12" Ride Height
	M85338	S-25515	Standard Duty Shock	Rear; 6-1/4 – 7" Ride Height
	S.O.S.	S-23316	Standard Duty Shock	Rear; 9" Ride Height
	M85939	S-24579	Standard Duty Shock	6-1/4 – 9" Ride Height; Extended Service & High Damping
	M85738	S-24023	Standard Duty Shock	12" Ride Height; Extended Service & High Damping
AANT 23K	M85938	S-23743	Standard Duty Shock	Front; 12" Ride Height; Extended Service and High Damping
	M85939	S-24579	Standard Duty Shock	Front; 13" Ride Height; Extended Service
	M85045	S-23651	Standard Duty Shock	Front; 13" Ride Height; Standard
	M85911	S-23361	Standard Duty Shock	13-1/2 – 17" Ride Height; Standard / 13-1/2 – 19" Ride Height Limited Rebound
	M85000	S-23566	Standard Duty Shock	13-1/2 – 19" Ride Height; Standard
	M85738	S-24023	Standard Duty Shock	13-1/2" – 19" Ride Height; Extended Service with High Damping
AAT	M85738	S-24023	Standard Duty Shock	All 30K & some 23 & 25K with High Damping
	M85000	S-23566	Standard Duty Shock	Standard Duty all 23 & 25K
	M85911	S-23361	Standard Duty Shock	Limited Rebound all 23 & 25K

HENDRICKSON INTRAAX® SHOCK ABSORBER SELECTION GUIDE

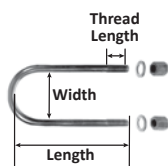
INTRAAX SERIES SUSPENSION SHOCK ABSORBER SELECTION GUIDE				
MODEL	EUCLID NO.	OEM REF.	DESCRIPTION	NOTES AND COMMENTS
AAZL 23/46K	M85045	S-23651	Standard Duty Shock	6-1/2 – 9" Ride Height; Standard
	M85000	S-23566	Standard Duty Shock	12" Ride Height; Standard
	M85939	S-24579	Standard Duty Shock	6-1/2 – 9" Ride Height; Extended Service
	M85738	S-24023	Standard Duty Shock	12" Ride Height; Extended Service
AAZNT 23K	M85000	S-23566	Standard Duty Shock	12 – 17" Ride Height; Standard Travel
	M85738	S-24023	Standard Duty Shock	12 – 17" Ride Height
HKANT 40K	M83128	S-24088	Standard Duty Shock	All
HKANT46K	M85000	S-23566	Standard Duty Shock	All
HKANT69K	M85000	S-23566	Standard Duty Shock	All
HKAT 46K / HKA200	M85000	S-23566	Standard Duty Shock	All
HKAT 50K / HKA250	M85738	S-24023	Standard Duty Shock	All
HKAT 69K25	M85738	S-24023	Standard Duty Shock	All
ULTRAA-K UTKNT 40K	See INTRAAX Series Suspension Air Spring Selection Guide	Various	Shock Absorber	ZMD Air Spring / Shock Absorber
VANTRAAX HKAL 46K	M85000	S-23566	Standard Duty Shock	All
VANTRAAX HKARL 46K Slider	M85000	S-23566	Standard Duty Shock	with Drum Brakes

U-BOLT SELECTION GUIDE

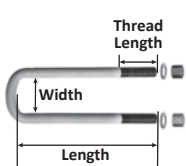
MEASURING AND TYPES OF U-BOLTS



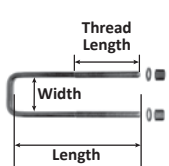
Access the U-bolt
Visual Product Tool
by scanning the
QR code.



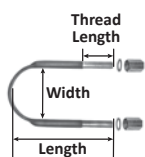
Round Bend



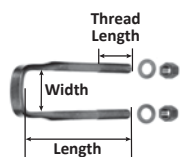
Semi-Round Bend



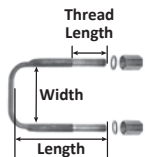
Square Bend



Flat Round Bend



Flat Semi-Round Bend



Flat Square Bend

Each U-bolt comes complete with deep nuts and washers. Our Visual Product Tool on [MeritorPartsXpress.com](https://www.meritorpartsxpress.com) and smart part numbering system make it easy to identify the proper U-bolt to fit your needs.

TECH TIP

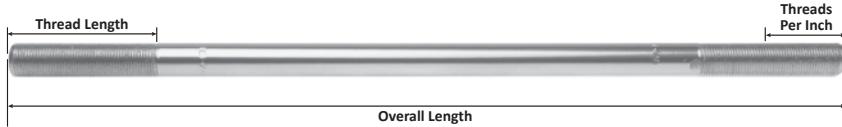
Do not reuse U-Bolts. Used U-Bolts may be damaged, stretched, or have rust which could lead to premature failure.

For the complete suspension and components offering, visit [MeritorPartsXpress.com](https://www.meritorpartsxpress.com) or check out the 700F Euclid Suspension catalog on [Meritor.com/LOD](https://www.meritor.com/LOD).

THREADED ROD SELECTION GUIDE

MEASURING THREADED RODS

Each threaded rod is marked at the center line to ensure precise bending. When in between sizes, round up to the next threaded rod length. Use the Visual Product Tool and smart part numbering system to identify the proper threaded rod.



Part Numbering System

Designation for
Euclid Threaded Rod

ROD DIAMETER (DECIMAL)


050	(1/2")
056	(9/16")
062	(5/8")
075	(3/4")
087	(7/8")
100	(1")
112	(1-1/8")
125	(1-1/4")

E-TR 8 075 - 42

REFERS TO MATERIAL STRENGTH



5 - Commercial-Strength (120,000 psi Tensile)
8 - High-Strength (150,000 psi Tensile)

Overall Length in Inches



Access the Threaded Rod
Visual Product Tool
by scanning the
QR code.

Hardware

HARDENED WASHERS / HI-NUTS	THREAD SIZE							
	1/2" - 20	9/16" - 18	5/8" - 18	3/4" - 16	7/8" - 14	1" - 14	1-1/8" - 12	1-1/4" - 12
	E-9603	E-9604	E-2547	E-2545	E-2546	E-2975	E-2548	E-2934
	E-9605	E-9606	E-3000	E-3001	E-3002A	E-3003	E-3004	E-3005

TORQUE, TORQUE, TORQUE!

The proper tightening of U-bolts is critical to the life of Suspension components. Loose U-bolts are the leading cause of misalignment, spring breakage and other component failures.

OEMs recommend that U-Bolts be torqued at time of installation, after first 1,000 miles and periodically thereafter.

Refer to the vehicle or suspension supplier's service manual for required torque values and retorquing specifications.

For the complete suspension and components offering, visit MeritorPartsXpress.com or check out the 700F Euclid Suspension catalog on Meritor.com/LOD.

HEIGHT CONTROL VALVE SELECTION GUIDE

HEIGHT CONTROL VALVE (HCV) DEFINITIONS

Arm Length

For a valve to function in the optimum manner the arm length must match that of the OE application. Several valves have multiple holes in the arm for attaching the linkage which provides more flexibility and opportunities to match the OE design.

- While a valve will operate with an arm length that is different than the OEM specification, it will not perform in the optimal manner.
- Some valves have arms that can be removed and replaced. Barksdale valves have arms that should not be removed or replaced since this will alter the performance of the valve.

Dump Feature

Dump valves can operate in one of two manners:

- Dump valve opens when pressure is applied to the dump port. In this case the air line to the dump port is typically connected to a button located on the dash board. When activated by the driver, this provides the air pressure necessary to actuate the dump feature in the HCV and dump air to the air springs.
- Dump valve opens when pressure is removed from the dump port. The dump port on these valves is connected to the air brake system so when the brake pressure is dumped and the spring brakes are set, the dump feature in the HCV is actuated and it dumps air to the air springs.

Fitting Types

A number of fitting types are available to provide the connection to the air tubing. 1/4" NPT compression fittings and the newer Push to Connect (PTC) options are the most common. Not every HCV will be available with every fitting type so adapters can be used when necessary to provide the desired connection.

Linkage

All HCVs have some type of linkage that attaches the valve arm to the axle. Depending upon the application, the linkage can be a simple straight steel or aluminum shaft with ends which attach to the valve and axle or may be a more complicated design which may be required to avoid interference with nearby components. If the linkage is not damaged and a "like for like" HCV is available, then the linkage can often be reused.

SELECTING THE PROPER HEIGHT CONTROL VALVE

The proper Height Control Valve can be determined several different ways.

1. Using the OEM number from the existing HCV (if available). Pages 108 & 109 show all HCVs in the Euclid suspension program by OEM number. Many other OEM part numbers are available through Euclid's SOS program.
2. If the OEM part number or HCV is not available, other valves may be available including universal valves. In this case you must first determine whether a dump style valve or no dump valve is required. Once this is determined, the arm length should be matched and mounting and fitting options should be evaluated.

Universal Valves are shown below. See page 110 for more details on Euclid's Universal Height Control Valves

UNIVERSAL HEIGHT CONTROL VALVES

Euclid Offers Several Universal Height Control Valves Which Can Be Used In Most Applications

APPLICATION	EUCLID PART NO.	LINK / HADLEY MODEL
No Dump	E-14729	Next Gen
Applied Air To Dump	E-14731	Next Gen
Remove Air To Dump	E-14730	Next Gen

HEIGHT CONTROL VALVE SELECTION GUIDE

HEIGHT CONTROL VALVE MANUFACTURER AND MODEL IDENTIFICATION		
NO DUMP	WITH INTEGRATED DUMP FEATURE — DUMP WHEN AIR PRESSURE IS APPLIED	WITH INTEGRATED DUMP FEATURE — DUMP WHEN AIR PRESSURE IS REMOVED
Barksdale Series And Description — Immediate Response		
 <p>55521 Series Non Dump Valve - Plastic Body 52321 Series Non Dump Valve - Aluminum Body</p>	 <p>52341 Series, Integral Dump Feature</p>	 <p>54341 Series - Negative Air Pressure to Actuate Dump valve</p>
Hadley Series and Description — Immediate Response		
 <p>450 Series Non Dump Valve</p>	 <p>500 Series Dump Valve</p>	 <p>500 Series Reverse Actuation Dump Valve</p>
 <p>Next Gen Non Dump Valve</p>	 <p>Next Gen Pressure Dump Valve</p>	 <p>Next Gen Zero Pressure Dump Valve</p>
Haldex Series and Description — Immediate Response		
 <p>IR Series Non Dump Valve</p>	 <p>IR Series with Dump Valve</p>	N/A
 <p>PR Series Non Dump Valve</p>	 <p>PR Series w/ Normally Open Dump Valve</p>	 <p>PR Series w/ Normally Closed Dump Valve</p>
Haldex Series and Description — Delayed Response		
 <p>CR Series Non Dump Valve</p>	 <p>CR Series w/ Normally Open Dump</p>	 <p>CR Series w/ Normally Closed Dump Valve</p>

N/A - Not Available

HEIGHT CONTROL VALVE CROSS REFERENCE

BARKSDALE — NO DUMP STYLE FOR HENDRICKSON APPLICATIONS								
OEM REF.	MFG./ MODEL	ARM LENGTH	APPLICATION	FITTINGS / PORT SIZE	BRACKET INCLUDED	LINKAGE INCLUDED	VALVE ONLY EUCLID NO.	EUCLID NO.
60826-000	52321 Series	5", 6-7/8" & 7-1/2"	HA360, 400, 460 Air Ride	1/4" NPT	Yes	No	N/A	E-11494
VS-227	52321 Series	5", 7-3/8" & 8-1/2"	INTRAAAX and VANTRAAX	1/4" NPT	Yes	No	N/A	E-11855
60961-155	55521-Q141-320110	5-3/4"	Airtek for International Dual HCV Conversion, Prior to 08/09	PTC	No	Yes	N/A	E-15130
59935-003	55521-Q116	5-3/4"	Airtek for Mack Vehicles, Prior to 03/05	PTC	No	No	-	E-15151
64089-000	55521-Q116-32071	5-3/4"	Airtek for Mack Vehicles, Prior to 03/05 w/12 & 12.5k Axles	PTC	Yes	Yes	E-15151	E-14013
64094-000	55521 Series	5-3/4"	Airtek For Mack Vehicles, Prior to 03/05 w/13.2 & 14.6k Axles	PTC	Yes	Yes	E-15151	E-14014
59427-006	55521-Q116-32071	5-3/4"	Airtek for Mack Vehicles	PTC	No	Yes	-	E-15150
59427-013	55521-Q141-320110	5-3/4"	Airtek for International Vehicles, Left Hand	PTC	No	Yes	-	E-15095
59935-011	55521-Q160	6"	Airtek for International IC Buses, Right Hand	PTC	No	No	-	E-13996
59935-004	55521-Q119	7"	Airtek for Blue Bird Bus	PTC	No	No	-	E-17588
59935-024	55521-Q183	7"	Airtek w/SteerteK NXT Axle For Freightliner and Western Star, Right Hand Airtek for Freightliner, Right Hand	PTC	No	No	-	E-17587
59935-002	55521-Q115	7"	Airtek w/SteerteK Axle for Freightliner and Western Star, Right Hand	PTC	No	No	-	E-13995
59935-013	55521-Q150	7"	Airtek w/SteerteK NXT Axle for Freightliner and Western Star, Left Hand	PTC	No	No	-	E-17088
59935-024	55521-Q183	7"	Airtek w/SteerteK NXT Axle for Freightliner and Western Star, Right Hand	PTC	No	No	-	E-17089

LINK / HADLEY — NO DUMP STYLE								
OEM REF.	MFG./ MODEL	ARM LENGTH	APPLICATION	FITTINGS / PORT SIZE	BRACKET INCLUDED	LINKAGE INCLUDED	VALVE ONLY EUCLID NO.	EUCLID NO.
H00450CE	450 Series	7"	Various	1/4" Compression	Yes	No	N/A	E-9623
23329-01	450 Series	7"	Reyco	1/4" Compression	Yes	Yes	N/A	E-15271
-	600 Series Left Hand	5-7/8"	Airtek for Freightliner	PTC	No	No	N/A	E-17583
-	600 Series Right Hand	5-7/8"	Airtek for Freightliner	PTC	No	No	N/A	E-17584
A-7806-L-1052	Next Gen	5-1/2"	Meritor MTA Top Mount	3/8" PTC	No	No	-	E-14677
KIT11309	Next Gen	9"	Meritor RHP	3/8" PTC	No	Yes	N/A	E-14332
KIT11333	Next Gen	9"	Meritor RideSentry MPA	3/8" PTC	No	Yes	N/A	E-14334
-	Next Gen	7", 8", & 9"	Universal	3/8" PTC	No	No	-	E-14729

HALDEX — NO DUMP STYLE								
OEM REF.	MFG./ MODEL	ARM LENGTH	APPLICATION	FITTINGS / PORT SIZE	BRACKET INCLUDED	LINKAGE INCLUDED	VALVE ONLY EUCLID NO.	EUCLID NO.
90555105, 90554241	IR Series	Adjustable	Neway	1/4" NPT	Yes	Yes	N/A	E-13922
90054007	CR Series	7"	Neway	1/8" NPT	Yes	No	N/A	E-4323
90554945	PR Plus Series	7"	Neway	1/4" NPT	No	No	-	E-13917

HEIGHT CONTROL VALVE CROSS REFERENCE

BARKSDALE — APPLY AIR TO DUMP STYLE FOR HENDRICKSON APPLICATIONS

OEM REF.	MFG. / MODEL	ARM LENGTH	APPLICATION	FITTINGS / PORT SIZE	BRACKET INCLUDED	LINKAGE INCLUDED	VALVE ONLY EUCLID NO.	EUCLID NO.
66277-001	52341-Q211-320136	5-3/4"	Airtek for Spartan Motorhome Chassis with Drum Brakes, Left Hand	PTC	No	Yes	N/A	E-16417
66277-005	52341-Q211-320313	5-3/4"	Airtek for Spartan, Left Hand	PTC	No	Yes	-	E-17591
66277-006	52341-Q212-320313	5-3/4"	Airtek for Spartan, Right Hand	PTC	No	Yes	-	E-17592
66277-002	52341-Q212-320136	5-3/4"	Airtek for Spartan Motorhome Chassis with Drum Brakes, Right Hand	PTC	No	Yes	N/A	E-16418
60501-000	52341-Q123	7"	PARASTEER / BlueBird	1/4" NPT	No	No	-	E-16407
57977-000	060501-000; 52341-Q123;	7"	Hendrickson AR2	1/4" NPT	Yes	No	E-16407	E-11870

LINK / HADLEY — APPLY AIR TO DUMP STYLE

OEM REF.	MFG. / MODEL	ARM LENGTH	APPLICATION	FITTINGS / PORT SIZE	BRACKET INCLUDED	LINKAGE INCLUDED	VALVE ONLY EUCLID NO.	EUCLID NO.
A7806Y1013	500 Series/ H00500DB	6-1/4"	Meritor RFS	1/4" NPT	No	No	-	E-14352
KIT11207	500 Series	6-1/4"	Meritor RFS	1/4" NPT	No	Yes	E-14352	E-14365
-	500 Series/ H00500C	3", 5", 9"	Meritor M311501	1/4" NPT	Yes	No	N/A	E-9624
-	500 Series/ H00500CB	9"	-	1/4" Compression	Yes	No	N/A	E-11465
-	Next Gen	7", 8", 9"	Universal	1/4" PTC	No	No	-	E-14732
-	Next Gen	7", 8", 9"	Universal	3/8" PTC	No	No	-	E-14731
A-7806-M-1053	Next Gen	5-1/2"	Meritor MTA Top Mount	3/8" PTC	No	No	N/A	E-17049

HALDEX — APPLY AIR TO DUMP STYLE

OEM REF.	MFG. / MODEL	ARM LENGTH	FITTINGS / PORT SIZE	BRACKET INCLUDED	LINKAGE INCLUDED	VALVE ONLY EUCLID NO.	EUCLID NO.
90555106	IR Series	ADJ.	1/4" NPT	No	No	-	E-13916
90554950	PR Plus Series	7"	1/4" NPT & Pilot -1/4" PTC	No	No	-	E-13918
90555274	PR Plus Series	7"	1/4" NPT & Pilot -1/4" PTC	No	No	-	E-13921

LINK / HADLEY — REMOVE AIR TO DUMP STYLE

OEM REF.	MFG. / MODEL	ARM LENGTH	APPLICATION	FITTINGS / PORT SIZE	BRACKET INCLUDED	LINKAGE INCLUDED	VALVE ONLY EUCLID NO.	EUCLID NO.
A7806Z1014	500 Series	6-1/4"	Meritor RFS	1/4" NPT	No	No	-	E-14351
KIT11206	500 Series	6-1/4"	Meritor RFS	1/4" NPT	No	Yes	E-14351	E-14368
-	500 Series/ H00500CA	7", 8", 9"	Various	1/4" NPT	Yes	No	N/A	E-11293
KIT11308	Next Gen/ H01502KB	9"	Meritor RHP11 and RHP55	3/8" PTC	No	Yes	N/A	E-13907
KIT11332	Next Gen/ H01502KC	9"	Meritor RideSentry MPA	3/8" PTC	No	Yes	N/A	E-14333
Various	Next Gen/ H01502UNC	7", 8", 9"	Universal	3/8" PTC	No	No	-	E-14730

UNIVERSAL HEIGHT CONTROL VALVE SELECTION GUIDE

UNIVERSAL HEIGHT CONTROL VALVES

Euclid Offers Several Universal Height Control Valves Which Can Be Used In Most Applications		
APPLICATION	EUCLID PART NO.	LINK / HADLEY MODEL
No Dump	E-14729	Next Gen
Applied Air To Dump	E-14731	Next Gen
Remove Air To Dump	E-14730	Next Gen

Universal Height Control Valves Specs

	EUCLID NO.	APPLICATION	MFG. MODEL	ARM LENGTH	FITTINGS
	E-14729	No Dump	Next Gen	7", 8", & 9"	3/8" PTC
	E-14731	Apply Air to Dump	Next Gen	7", 8", 9"	3/8" PTC
	E-14730	Remove Air to Dump	Next Gen/ H01502UNC	7", 8", 9"	3/8" PTC

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