

PARTS LIST

COMFORT AIR® Rear Air Suspensions for Hino Trucks

LIT NO: SP-178

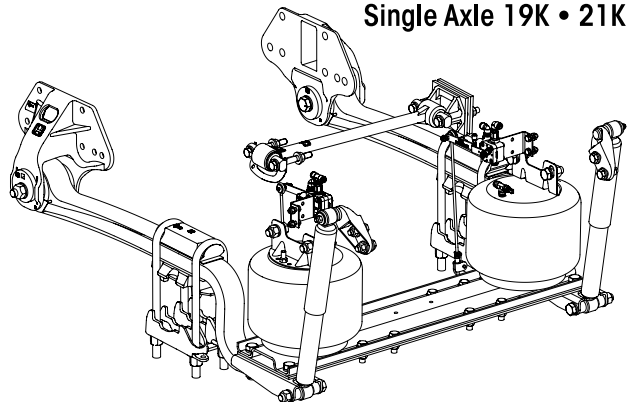
DATE: August 2023

REVISION: F

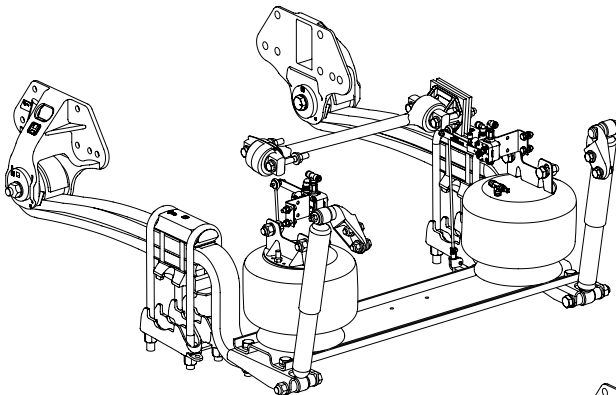
CONTENTS

DESCRIPTION	PAGE
Parts Lists	
■ Single Axle 19K • 21K	2
■ Single Axle 23K • Tandem Axle 46K	4
■ Tandem Axle 40K	6
Spring Seat Selection Guide	8
Notes	8
Special Tools	9

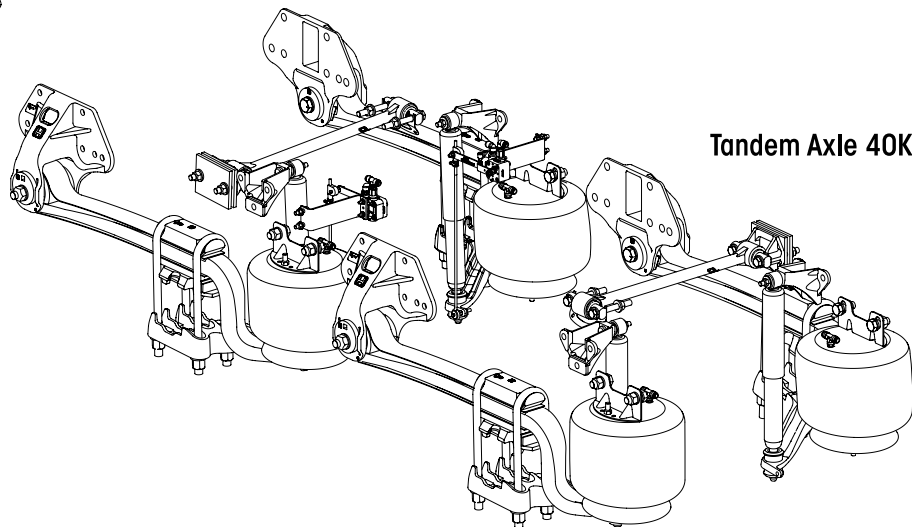
Single Axle 19K • 21K



Single Axle 23K • Tandem Axle 46K



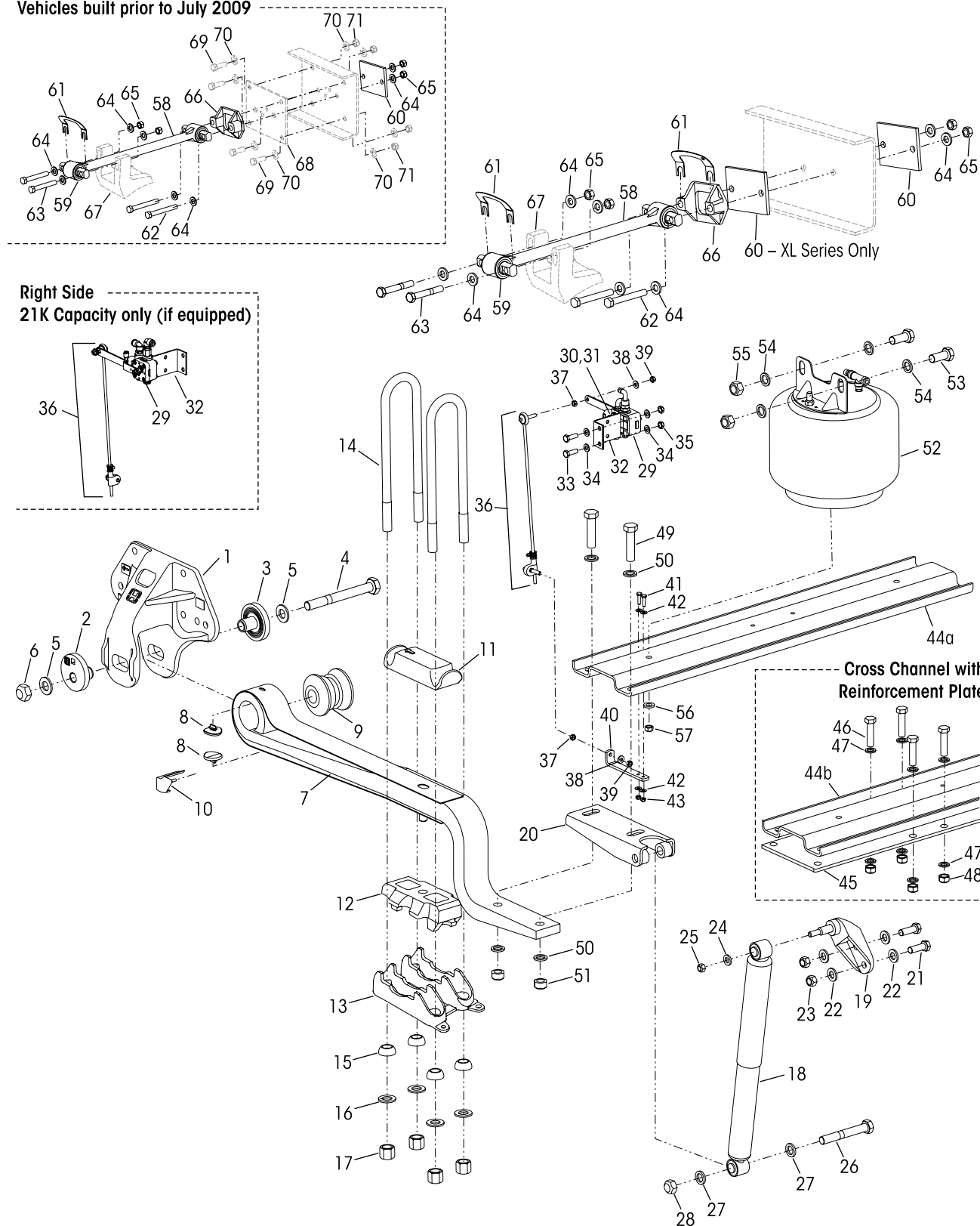
Tandem Axle 40K



Single Axle 19K • 21K

Hino L Series • XL Series

Vehicles built prior to July 2009





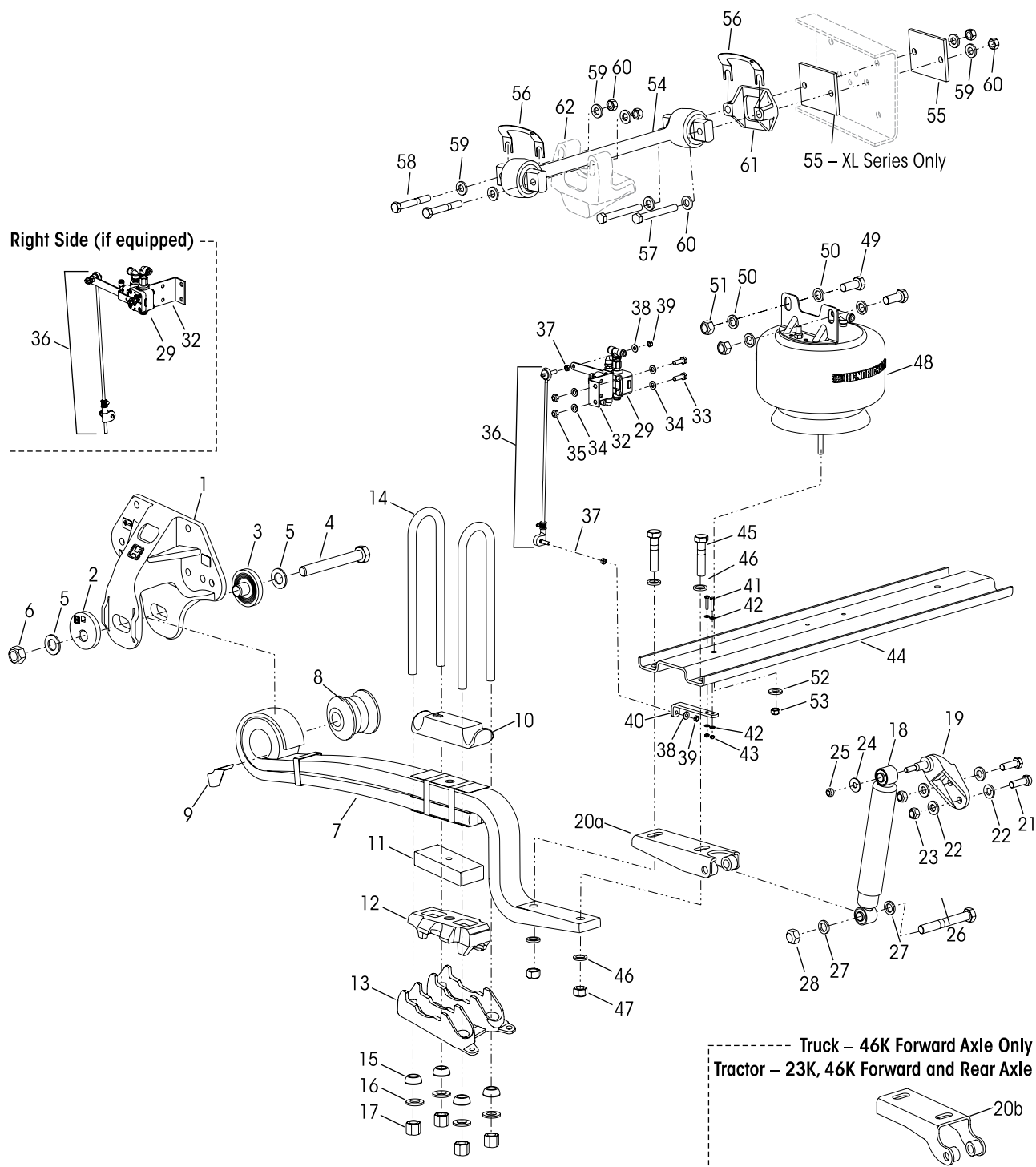
COMFORT AIR® Single 19K • 21K for Hino Vehicles

			VEHICLE				VEHICLE
KEY NO.	PART NO.	DESCRIPTION	QTY.	KEY NO.	PART NO.	DESCRIPTION	QTY.
1	Spring Hanger			31		*¾" HCV Hex Nut	
	91330-001L	Left Hand, <i>Replaces 65081-001L</i>	1	32		*HCV Mounting Bracket	
	91330-002L	Right Hand, <i>Replaces 65081-002L</i>	1	33	58573-004	M10 x 1.5 x 30 mm Bolt	2
		Spring Hanger with Reinforced Rail		34	58246-008	M10 Hardened Washer	4
	65081-101L	Left Hand	1	35	58581-000	M10 x 1.5 Locknut	2
	65081-102L	Right Hand	1	36		Linkage Rod Assembly, Includes Key Nos. 37-39	
		QUIK-ALIGN® Collar Service Kit			58994-032	Left Hand, 19K • 21K	1
	65119-001	Left Hand, Includes Key Nos. 2-6			58994-048	Right Hand, 21K (for Dual equipped)	1
	65119-002	Right Hand, Includes Key Nos. 3-6		37		*⅝"-18 UNC Jam Nut	2
2	60662-000L	QUIK-ALIGN Eccentric Collar	1	38		*⅝" Washer	2
3	60661-000L	QUIK-ALIGN Concentric Collar	3	39		*⅝"-18 UNC Locknut	2
4	58705-005	⅞"-9 UNC x 8" Coated Hex Bolt	2	40	65090-000	Lower Linkage Bracket (as equipped)	
5	22962-034	⅞" Coated Hardened Washer	4	41		M6 x 1-6G Bolt	2
6	60266-000	⅞"-9 UNC Coated Locknut	2		65091-001	30 mm, L Series	
7		Main Support Member Assembly, Includes	2		65091-003	35 mm, XL Series	
		Key Nos. 8-10		42	58246-016	M6 Hardened Washer	4
a	82504-000	Vehicles built after 02/2019		43	65092-000	M6 x 1-6H Locknut	2
b	65106-001	Vehicles built prior to 02/2019		44		Cross Channel	1
	34013-464	Main Support Member Bushing Service Kit, One Side, Includes Key Nos. 8-10,72		a	57317-007	L Series	
8		*Isolator Pad	4	b	57317-012	XL Series, use with Key Nos. 45-48	
9		*Main Support Member Bushing	2	45	66676-001	Reinforcement Plate, XL Series Only	1
10		*Spring Eye Clip	2	46	58244-002	M16 x 2-6G x 50 mm Bolt	8
11	65071-000	Top Pad	2	47	58246-003	M16 Hardened Washer	16
12	56501-XXX	Spring Seat, <i>See Selection Guide on Page 8</i>	2	48	58245-000	M16 x 2 Locknut	8
13	93302-000	Axle Bottom Cap, <i>Replaces 50216-000</i>	2		57499-003	Cross Channel Fastener Service Kit, Axle Set, Includes Key Nos. 49-51	
	91430-082	U-bolt Service Kit, One Wheel End		49	58258-023	M20 x 2.5-6G x 90 mm Bolt, <i>Replaces 58258-001</i>	4
		Includes Key No. 14 and Kit No. 48718-508		50	58246-007	M20 Hardened Washer	8
14	58184-001	M22 x 1.5 x 380 mm U-bolt	4	51	58259-000	M20 x 2.5-6H Locknut	4
	48718-508	U-bolt Fastener Kit, One Wheel End		52	65086-002L	Air Spring Assembly	2
		Includes Key Nos. 15-17			58820-005	Air Spring Fastener Service Kit, One Side, Includes Key Nos. 53-57	
15		*Spherical Washer	8	53		*M20 x 2.5-6G x 50 mm Bolt	4
16		*M22 Hardened Washer	8	54		*M20 Hardened Washer	8
17		*M22 x 1.5-6H High Nut	8	55		*M20 x 2.5-6H Locknut	4
18		Shock Absorber	2	56		*M12 Hardened Washer	2
	60670-029L	19K, <i>Replaces 60670-014L</i>		57		*M12 x 1.25 Locknut, <i>Replaces 65089-000</i>	2
	60670-030L	21K, <i>Replaces 60670-013L, 60670-018L</i>		58	62000-595	ULTRA ROD® Transverse Torque Rod Assembly, 595 mm, Includes Key No. 59	1
	60670-031L	19K, <i>Replaces 60670-019L</i>		59	47691-000L	Torque Rod Bar Pin Bushing	2
19	58516-002P	Upper Shock Bracket Assembly	2	60	45045-010	Reinforcement Plate, <i>Replaces 65137-000</i>	
20	49324-002	Lower Shock Bracket, <i>Replaces 57355-000</i>	2			Outer, L Series	1,
		Single Shock Absorber Fastener Service Kits				Inner and Outer, XL Series	2
	65118-002	Upper, Includes Key Nos. 21-25		61	49689-000L	Shim (1.5 mm)	As Req.
	34013-440	Upper and Lower, Includes Key Nos. 24-28		62		M16 x 2-6G Bolt	2
21		*M16 x 2 x 50 mm Bolt	4		58244-005	130 mm, L Series	
22		*M16 Hardened Washer	8		58244-140	140 mm, XL Series	
23		*M16 x 2 Locknut	4	63		M16 x 2-6G Bolt	2
24		*M12 Hardened Washer	2		58244-009	110 mm, L Series	
25		*M12 x 1.75 Locknut	2		58244-005	130 mm, XL Series	
26		*M20 x 2.5 x 140 mm Bolt	2	64	58246-003	M16 Hardened Washer	8
27		*M20 Hardened Washer	4	65	58245-000	M16 x 2-6H Locknut	4
28		*M20 x 2.5 Locknut	2	66	22186-000	Transverse Torque Rod Frame Bracket	1
		Height Control Valve Assembly (as equipped), Includes Key Nos. 29-32		67		**Transverse Torque Rod Axle Bracket	1
	69030-000	Non-Dump Valve (Single)	1	68		****Inner Reinforcement Plate	1
	69031-001	Left Hand Dump Valve (for Dual equipped)	1	69		****M16 x 2-6G x 50 mm Bolt	4
	69031-002	Right Hand Dump Valve (for Dual equipped)	1	70		****M16 Hardened Washer	8
	69031-000	Dump Valve, L Series (Single)	1	71		****M16 x 2-6H Locknut	4
	69031-003	Dump Valve, XL Series (Single)	1	72	70867-001	*****P-80 Lubricant - 10 ml (Not Shown)	As Req.
29		*Height Control Valve					
30		*¾" HCV Washer					

NOTE: Quantities specified are shown for **single** axle suspension with single height control valve. Quantities of service kit components may vary from amount shown in list.

Single Axle 23K Capacity • Tandem Axle 46K Capacity

Hino L Series • XL Series





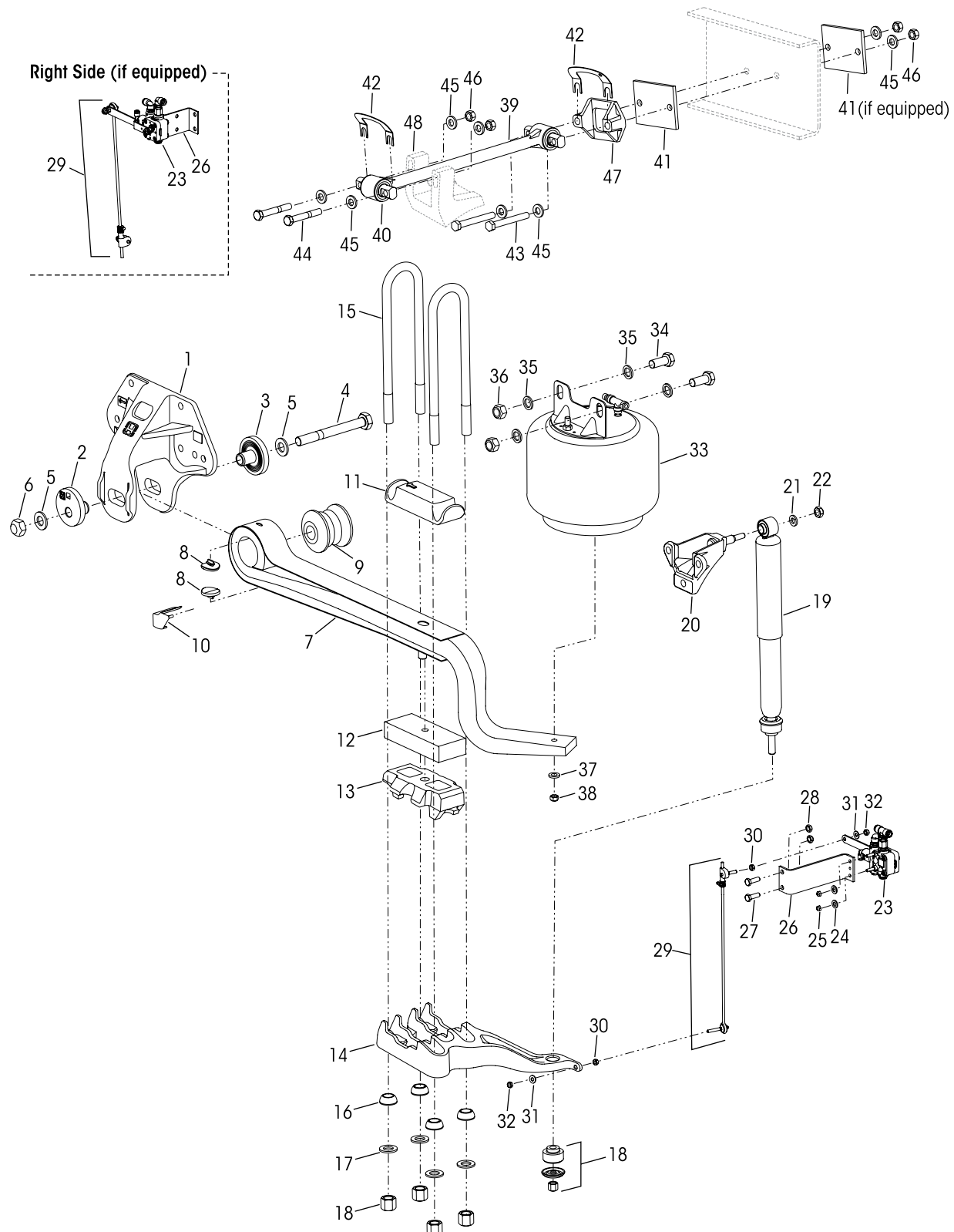
COMFORT AIR® Single 23K • Tandem 46K for Hino Trucks

KEY NO.	PART NO.	DESCRIPTION	*VEHICLE QTY.	KEY NO.	PART NO.	DESCRIPTION	*VEHICLE QTY.
1		Spring Hanger		26		*M20 x 2.5 x 140 mm Bolt	4
	91330-001L	Left Hand, <i>Replaces 65081-001L</i>	2	27		*M20 Hardened Washer	8
	91330-002L	Right Hand, <i>Replaces 65081-002L</i>	2	28		*M20 x 2.5 Locknut	4
		Spring Hanger with Reinforced Rail				Height Control Valve Assembly, (as equipped)	
	65081-101L	Left Hand	2			Includes Key Nos. 29-32	
	65081-102L	Right Hand	2	69030-000		Non-Dump Valve (Single)	1
		QUIK-ALIGN® Service Kit		69031-001		Left Hand Dual, Dump Valve	1
	60632-029	Left Hand, Includes Key Nos. 2-6		69031-002		Right Hand Dual, Dump Valve	1
	60632-030	Right Hand, Includes Key Nos. 3-6		69031-000		Dump Valve, L Series (Single)	1
2	64632-000	QUIK-ALIGN Eccentric Collar	2	69031-003		Dump Valve, XL Series (Single)	1
3	64633-000	QUIK-ALIGN Concentric Collar	6	29		*Height Control Valve	
4	68217-001	1"-14 UNF x 8" Coated Hex Bolt	4	30		*1/4" HCV Washer (Not Shown)	
5	68232-000	1" Coated Hardened Washer	8	31		*1/4" HCV Hex Nut (Not Shown)	
6	68218-000	1"-14 UNF Coated Locknut	4	32		*HCV Mounting Bracket	
7	53443-000	Main Support Member Assembly, Includes Key Nos. 8-9	4	33a	58573-004	M10 x 1.5 x 30 mm Bolt, L Series	4
	34013-465	Main Support Member Bushing Service Kit, One Side , Includes Key Nos. 8-9, 63		b	79256-035	M10 x 1.5 x 35 mm Flange Bolt, XL Series	
8		*Main Support Member Bushing	4	34	58246-008	M10 Hardened Washer, L Series	8
9		*Spring Eye Clip	4	35a	58581-000	M10 x 1.5 Locknut, L Series	4
10	65071-000	Top Pad	4	b	79257-000	M10 x 1.5 Flange Locknut, XL Series	
11		Spring Seat Spacer, 46K Only		36		Linkage Rod Assembly, Includes Key Nos. 37-39	
	48531-020	31.28 mm Rear			58994-032	Left Hand	1
	48531-026	19.1 mm Front			58994-048	Right Hand (for Dual equipped)	1
12		Spring Seat, <i>See Selection Guide on Page 8</i>	4	37		*5/16"-18 UNC Jam Nut	4
13		Axle Bottom Cap		38		*5/16" Washer	4
a	93302-000	23K, 46K Front Rear, <i>Replaces 50216-000</i>	2	39		*5/16"-18 UNC Locknut	4
b	93315-000	46K Rear Rear, <i>Replaces 50222-000</i>	2	40	65090-000	HCV Lower Linkage Bracket (as equipped)	
		U-bolt Service Kit, One Wheel End		41	65091-003	M6 x 1-6G x 35 mm Bolt	4
	91430-082	23K, Includes 14a & Kit No. 48718-508		42	58246-016	M6 Hardened Washer	8
	91430-083	46K Front, Includes 14b & Kit No. 48718-508		43	65092-000	M6 x 1-6H Locknut	4
	91430-084	46K Rear, Includes 14c & Kit No. 48718-508		44	57317-012	Cross Channel, <i>Replaces 57317-007</i>	2
14		M22 x 1.5 U-bolt			57499-003	Cross Channel Fastener Service Kit, Axle Set , Includes Key Nos. 45-47	
a	58184-001	380 mm	4	45	58258-023	M20 x 2.5-6G x 90 mm Bolt, <i>Replaces 58258-001</i>	8
b	58184-010	410 mm	4	46	58246-007	M20 Hardened Washer	16
c	58184-013	450 mm	4	47	58259-000	M20 x 2.5-6H Locknut	8
	48718-508	U-bolt Fastener Kit, One Wheel End Includes Key Nos. 15-17		48	76942-002	Air Spring Assembly	4
15		*Spherical Washer	16		58820-005	Air Spring Fastener Service Kit, One Side , Includes Key Nos. 49-53	
16		*M22 Hardened Washer	16	49		*M20 x 2.5-6G x 50 mm Bolt	8
17		*M22 x 1.5-6H High Nut	16	50		*M20 Hardened Washer	16
18	60670-030L	Shock Absorber, <i>Replaces 60670-018L</i>	4	51		*M20 x 2.5-6H Locknut	8
19	58516-002P	Upper Shock Bracket	4	52		*M12 Hardened Washer	2
20		Lower Shock Bracket		53		*M12 x 1.25 Locknut with Nylon Insert	4
a	49324-002	Truck 23K, 46K Rear Axle only	2	54	72000-595S	***ULTRA ROD® PLUS Transverse Torque Rod	2
b	57124-000	Truck 46K Forward Axle only	2	55	45045-010	Reinforcement Plate, <i>Replaces 65137-000</i>	
		Tractor 23K and 46K	4			Outer, L Series	2
		Single Shock Absorber Fastener Service Kits				Inner and Outer, XL Series	4
	65118-002	Upper, Includes Key Nos. 21-25		56	49689-000L	Shim (1.5 mm)	As Req.
	34013-440	Upper and Lower, Includes Key Nos. 24-28		57	58244-140	M16 x 2-6G x 140 mm Hex Bolt	4
21		*M16 x 2 x 50 mm Bolt	8	58	58244-005	M16 x 2-6G x 130 mm Hex Bolt	4
22		*M16 Hardened Washer	16	59	58246-003	M16 Hardened Washer	16
23		*M16 x 2 Locknut	8	60	58245-000	M16 x 2-6H Locknut	8
24		*M12 Hardened Washer	4	61	22186-000	Transverse Torque Rod Frame Bracket	2
25		*M12 x 1.75 Locknut	4	62		**Transverse Torque Rod Axle Bracket	2
				63	70867-001	*****P-80 Lubricant - 10 ml Not Shown	As Req.

NOTE: Quantities specified are shown for **tandem** axle suspensions. Adjust quantities for your suspensions. Quantities of service kit components may vary from amount shown in list.

Tandem Axle 40K Capacity

HINO XL Series





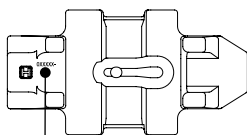
COMFORT AIR® Tandem 40K for Hino Trucks

KEY NO.	PART NO.	DESCRIPTION	*VEHICLE QTY.	KEY NO.	PART NO.	DESCRIPTION	*VEHICLE QTY.
1		Spring Hanger		22	49846-000	½"-13 UNC-2B Hex Locknut	4
	91330-001L	Left Hand	2			Height Control Valve Assembly, (as equipped)	
	91330-002L	Right Hand	2			Includes Key Nos. 23-26	
		Spring Hanger with Reinforced Rail		69030-100		Non-Dump Valve (Single)	1
	65081-101L	Left Hand	2	69031-300		Single, Dump Valve (Single)	1
	65081-102L	Right Hand	2	69031-100		Left Hand (Dual)	1
		QUIK-ALIGN® Collar Service Kit		69031-200		Right Hand (Dual)	1
	65119-001	Left Hand, Includes Key Nos. 2-6		23		*Height Control Valve	
	65119-002	Right Hand, Includes Key Nos. 3-6		24		*¼" HCV Washer	
2	60662-000L	QUIK-ALIGN Eccentric Collar	2	25		*¼" HCV Hex Nut	
3	60661-000L	QUIK-ALIGN Concentric Collar	6	26		*HCV Mounting Bracket	
4	58705-005	⅞"-9 UNC x 8" Coated Hex Bolt	4	27	79256-035	M10 x 1.5-6G x 35 mm Flange Bolt	4
5	22962-034	⅞" Coated Hardened Washer	8	28	79257-000	M10 x 1.5-6H Flange Locknut	4
6	60266-000	⅞"-9 UNC-2B Coated Locknut	4	29		Linkage Rod Assembly, Includes Key Nos. 30-32	
7		Main Support Member Assembly, Includes Key Nos. 8-10		58994-052		Left Hand	1
	82400-000	Left Hand	2	58994-051		Right Hand (if Dual equipped)	1
	82401-000	Right Hand	2	30		*⅝"-18 UNC Jam Nut	4
	34013-464	Main Support Member Bushing Service Kit, One Side , Includes Key Nos. 8-10,50		31		*⅝" Washer	4
8		*Isolator Pad	8	32		*⅝"-18 UNC Locknut	4
9		*Main Support Member Bushing	4	33	80760-002	Air Spring Assembly	4
10		*Spring Eye Clip	4	58820-005		Air Spring Fastener Service Kit, One Side , Includes Key Nos. 34-38	
11	65071-000	Top Pad	4	34		*M20 x 2.5-6G x 50 mm Hex Bolt	8
12	48531-026	Spring Seat Spacer, 19.1 mm	2	35		*M20 Hardened Washer	16
13		Spring Seat, <i>See Selection Guide on Page 8</i>	4	36		*M20 x 2.5-6H Locknut	8
14		Axle Bottom Cap / Lower Shock Bracket		37		*M12 Hardened Washer	2
	79372-000	Left Hand	2	38		*M12 x 1.25-6H Locknut	4
	79371-000	Right Hand	2	39	62000-595	ULTRA ROD Transverse Torque Rod Assembly, 595 mm, Includes Key No. 40	2
	91430-082	U-bolt Service Kit, One Wheel End Includes Key No. 15 and Kit No. 48718-508		40	47691-000L	Torque Rod Bar Pin Bushing	4
15	58184-001	M22 x 1.5 x 380 mm U-bolt	8	41	45045-010	Reinforcement Plate	4
	48718-508	U-bolt Fastener Kit, One Wheel End Includes Key Nos. 16-18		42	49689-000L	Shim (1.5 mm)	As Req.
16		*Spherical Washer	16	43	58819-012	Torque Rod Fastener Service Kit, Axle Set , Includes Key Nos. 44-47	
17		*M22 Hardened Washer	16	44	58244-140	M16 x 2-6G x 140 mm Hex Bolt	4
18		*M22 x 1.5-6H High Nut	16	45	58244-005	M16 x 2-6G x 130 mm Hex Bolt	4
19	57241-008L	Shock Absorber	4	46	58246-003	M16 Hardened Washer	16
	58692-000	Upper Shock Bracket Assembly, Includes Key Nos. 20-22	4	47	58245-000	M16 x 2-6H Locknut	8
20	58704-000	Upper Shock Bracket	4	48	22186-000	Transverse Torque Rod Frame Bracket	2
21	22962-031	½" Flat Washer	4	49		**Transverse Torque Rod Axle Bracket	2
				50	70867-001	*****P-80 Lubricant - 10 ml Not Shown	As Req.

NOTES: Quantities specified are for a **tandem** axle suspension. Quantities of service kit components may vary from amount shown in list.

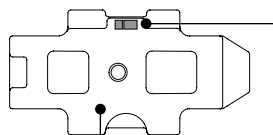
■ Spring Seat Selection Guide

Bottom View of Spring Seat



Location of
Casting No.

Top View of Spring Seat



Location of
Part No.

ID Letter =
Base part number

Location of Engraved
Identification (ID)

Last two digits of the
finished part number

Total of two (2) spring seats required per single and four (4) spring seats required per tandem suspension. One of each located at the left / right front and left / right rear.

SPRING SEATS	REAR SINGLE AXLE			TANDEM			REAR/REAR AXLE		
	19K • 21K • 23K			40K • 46K			40K • 46K		
	Seat Angle	Part No.	ID	Seat Angle	Part No.	ID	Seat Angle	Part No.	ID
	1.0°	56501-039	D39	2.0°	80940-003	N03	5.0°	80297-009	P09
	2.0°	56501-035	D35	3.0°	80940-005	N05	6.0°	80297-011	P11
	3.0°	56501-028	D28				9.0°	80297-017	P17
	4.0°	56501-030	D30				10.0°	80297-019	P19
	5.0°	56501-032	D32				11.0°	80297-021	P21
	6.0°	56501-034	D34				12.0°	80297-023	P23

NOTES: * Item included in kit / assembly only, part not sold separately.

** Not supplied by Hendrickson, used for reference only. Hendrickson is not responsible for components supplied by the vehicle manufacturer. For assistance with maintenance and rebuild instructions on these components see vehicle manufacturer.

*** ULTRA ROD PLUS transverse torque rod bushings are non-serviceable, the entire torque rod assembly requires replacement.

**** Inner reinforcement plate is no longer available, see torque rod configuration for vehicles built after July 2009.

***** Used as a lubricant to install torque rod bushing and main support member pivot bushing.

Hendrickson COMFORT AIR ride height gauge for Hino Trucks can be obtained on-line at www.hendrickson-intl.com/Litform

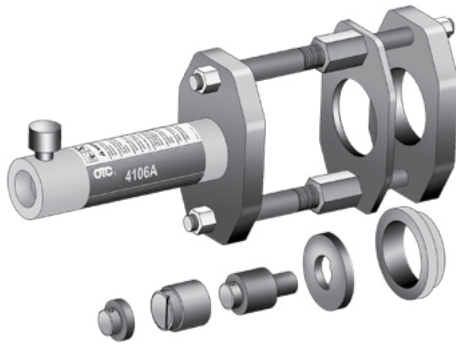
• Literature number 45745-242 (not for use on 46K capacity tandem configuration).



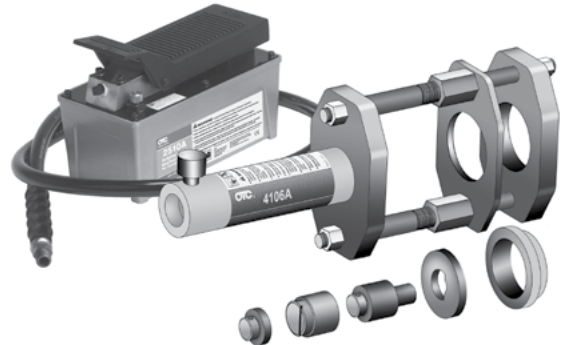
■ Special Tools

QUIK-ALIGN PIVOT BUSHING SERVICE TOOLS

Hendrickson Part No. 66086-202
OTC Part No. 4246 Visit otctools.com



Hendrickson Part No. 66086-204
OTC Part No. 4247 Visit otctools.com



QUIK-ALIGN SOCKET TOOL

Hendrickson Part No. 66086-200
OTC Part No. 1767
Visit otctools.com



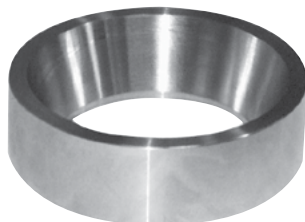
QUIK-ALIGN PIVOT BUSHING SERVICE TOOL

Hendrickson Part No. 66086-203L



ULTRA ROD TORQUE ROD BUSHING FUNNEL TOOL

Hendrickson Part No. 66086-001



This is a general parts list to provide directional information. Components may vary by model. Questions in regards to parts, contact Hendrickson Truck Parts at 1.866.755.5968 (Toll-free U.S. and Canada), 630.910.2800 (Outside U.S. and Canada) or email: truckparts@hendrickson-intl.com during normal business hours.
Actual product performance may vary depending upon vehicle configuration, operation, service and other factors.
All applications must comply with applicable Hendrickson specifications and must be approved by the respective vehicle manufacturer with the vehicle in its original, as-built configuration.
Contact Hendrickson for additional details regarding specifications, applications, capacities, and operation, service and maintenance instructions.

Call Hendrickson at 1.866.755.5968 (toll-free) or 1.630.910.2800 for additional information.



www.hendrickson-intl.com

TRUCK COMMERCIAL VEHICLE SYSTEMS
800 South Frontage Road
Woodridge, IL 60517-4904 USA
1.866.755.5968 (Toll-free U.S. and Canada)
1.630.910.2800 (Outside U.S. and Canada)
Fax 1.630.910.2899

SP-178 Rev F 08-23

© 2004 – 2023 Hendrickson USA, L.L.C. All Rights Reserved. All trademarks shown are owned by Hendrickson USA, L.L.C., or one of the affiliates, in one or more countries.
Information contained in this literature was accurate at the time of publication. Product changes may have been made after the copyright date that are not reflected.

Printed in United States of America