
Alvis Parts Specification Lists

List No.: **E178**

Component: **Rear Axle**

Type: **FA 12-50**

Component: Rear Axle**Type :** FA 12-50**List No.** E178**Date:** 16/01/1928**Page No:** 1

Drawing No.	Description	No.	Material	Specification		Remarks
N6759	Torque Arm & Spring Carrier N.S.	1	Cast Steel	Casting	Patt. No. N6759	
N6760	Torque Arm & Spring Carrier O.S.	1	Cast Steel	Casting	Patt. No. N6760	
N6782	Bolt for above Carriers	14	Nic. Chrome Bar	Hex. Bar	.595"/.600" x 1 9/16" long	B.O. First 50 sets made here.
2 - 3/8"	Nut for above Bolt	14				
1/16" dia	Split Pin	14	Steel		1/16" dia x 3/4" long	
N6679	Torque Arm	2	Med. Car. Steel	Stamping	Die No. N6679	
N6681	Torque Arm Bolt	2	Man. C.H. Steel	Bar	1 1/2" dia x 6 1/2" long	
28 - 31	Plain Washer 5/8" dia	2			1 1/4" dia x 1/8" thick	
2 - 5/8"	Nut for Torque Arm Bolt	2				
1/8" dia	Split Pin	2	Steel		1/8" dia x 1 3/8" long	
N6680	Bush for Torque Arm	4	Cast Iron	Casting	Patt. No. N6680	
N6682	Thrust Washer for Torque Arm	4	Man. C.H. Steel	Bar	2" dia x 1/4" long	
	Dowel for Thrust Washer	4	Bright Bolt Steel	Bar	3/16" dia x 1/2" long	
N6684	Rear Spring	2				B.O.
N6685	Rear Spring Shackle	2	Mild Steel	Stamping	Die No. N6685	For N6684 Curve A. Alternative to N7312/13 on page 3.

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Drawing No.	Description	No.	Material	Specification	Remarks	
	Bush for Shackle 16 x 32 x 54	4		Silentbloc No. 2140	B.O.	
N6686	Rear Spring Shackle Bolt	4	Bright Bolt Steel	Bar	1" dia x 3 3/8" long	
2 - 1/2"	Nut for Shackle Bolt	4				
3/32" dia	Split Pin	4	Steel		3/32" dia x 1 1/8" long	
N6687	Rebound Clip - top	4	Mild Steel	Stamping	Die No. N6687	
N6688	Rebound Clip - bottom	4	Mild Steel	Stamping	Die No. N6687	
N6963	Stud for Rebound Clip - long	4	Nic. Chrome Bar	Bar	3/8" dia x 5 7/8" long	B.O.
N6964	Stud for Rebound Clip - short	4	Nic. Chrome Bar	Bar	3/8" dia x 4 7/8" long	B.O.
1 - 3/8"	Nut for above Studs	8				
N6967	Rebound Spring	8	Car. Coil Spring		B.O.	See also Front Axle Specification.
N6961	Centre Stud for Rear Spring	2	Nic. Chrome Bar	Bar	5/8" dia x 5 3/8" long	B.O.
1 - 5/8"	Nut for above Stud	2				
2 - 5/8"	Nut for above Stud	2				
28 - 31	Plain Washer 5/8" dia	2			1 1/4" dia x 1/8" thick	
1/8" dia	Split Pin	2	Steel		1/8" dia x 1 3/8" long	
N6903	Rear Spring Clip	2	Med. Car. Steel	Stamping	Die No. N6903	See also Front Axle Specification
N2656	Lock Nut for Rebound Spring	8	Bright Bolt Steel		3/8" B.S.F. x 1/4" thick	B.O. See also Front Axle Specification

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Drawing No.	Description	No.	Material	Specification	Remarks
N6962	Stud for Rear Spring Clip	4	Nic. Chrome Bar	Bar 1/2" dia x 5 5/8" long	B.O.
1 - 1/2"	Nut for above Stud	4			
2 - 1/2"	Nut for above Stud	4			
28 - 27	Plain Washer 1/2" dia	4		1 1/8" dia x 3/32" thick	
3/32" dia	Split Pin	4	Steel	3/32" dia x 1 1/8" long	
N6694	Stub Axle	2	45 Ton Alloy Stamping	Stamping Die No. N6694	
	Key for Stub Axle	2	Key Steel	1/4" x 1/4" x 2 3/8" long	
N6969	Nut for Stub Axle	2	Mild Steel	Stamping Die No. N5619	
5/32" dia	Split Pin	2	Steel	5/32" dia x 2" long	
N6774	Brake Drum Cover O.S.	1	Aluminium	Casting Patt. No. N6773	
N6773	Brake Drum Cover N.S.	1	Aluminium	Casting Patt. No. N6773	
N6781	Bolt for Brake Drum Cover	12	Nic. Chrome Bar	Hex. Bar .595"/.600" x 1 3/8" long	B.O. First 50 sets made here.
2 - 3/8"	Nut for above Bolt	12			
1/16" dia	Split Pin	12	Steel	1/16" dia x 3/4" long	
N6693	Rear Hub	2	Med. Car. Steel	Stamping Die No. N6693	
N7312	Rear Spring Shackle Plate	2	Mild Sheet	Pressing 6m/m thick	B.O. For N6684 Curve B. Alternative to N6685 on page 1.
N7313	Rear Spring Shackle Plate	2	Mild Steel	Stamping Die No. N7313	For N6684 Curve B. Alternative to N6685 on page 1.

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Drawing No.	Description	No.	Material	Specification	Remarks
N6690	Rear Brake Drum	2	Cast Iron	Casting Patt. No. N6690	
N5023	Bolt for Brake Drum & Hub	12	Nic. Chrome Bar	Hex. Bar .595"/.600" x 1 3/8" long	
2 - 3/8"	Nut for above Bolt	12			
1/16" dia	Split Pin	12	Steel	1/16" dia x 3/4" long	
N6696	Retaining Ring for above Bolts	2	Aluminium	Casting Patt. No. N6696	
N6698	Set Screw for Retaining Ring	6	Bright Bolt Steel	Bar 7/16" dia x 15/16" long	
	Securing Wire for Set Screws	2	Iron Wire	1/16" dia x 10" long	
N4899	Radius Washer for Stub Axle	2	Bright Mild Bar	Bar 2 1/2" dia x 9/16" long	
N4898	Locking Ring for Rear Hub	2	Mild Steel	Stamping Die No. N4898	
9 - 2 B.A. - 3/8"	C/sk. Screw for Locking Ring	4			
	Ball Bearing	2		35 x 80 x 21 Hoffman No. 335 Deep Groove	B.O.
	Roller Bearing	2		20 x 52 x 15 Hoffman No. R320	B.O.
N6695	Distance Piece for Rear Hub	2	Gunmetal	Casting Patt. No. N6695	
N6697	Retaining Ring for Roller Bearing	2	Car. Coil Spring		B.O.
N1305	Nut for Stub Axle 3/4" B.S.F.	2	Bright Bolt Steel		B.O.
1/8" dia	Split Pin	2	Steel	1/8" dia x 1 1/2" long	
N4901	Washer for Stub Axle Nut	2	Bright Mild Bar	Bar 1 7/8" dia x 5/16" long	

Drawing No.	Description	No.	Material	Specification	Remarks
N6772	Brake Shoes - in pairs	2	Cast Iron	Casting	Patt. No. N6772
N5018	Brake Shoe Lining	4	Ferodo Bonded Asbestos		Die-pressed 3/16" thick B.O.
	Rivet for Lining	28	Aluminium		C/sk. head 3/16" dia x 1/2" long
N6780	Brake Shoe Pivot Pin	2	Nic. Chrome Bar	Bar	1 1/8" dia x 3" long
2 - 1/2"	Nut for Pivot Pin	2			
28 - 27	Plain Washer 1/2" dia	2			1 1/8" dia x 3/32" thick
3/32" dia	Split Pin	2	Steel		3/32" dia x 1 1/8" long
N6884	Brake Camshaft N.S.	1	Man. C.H. Steel	Stamping	Die No. N4470 See also Front Axle Specification
N6885	Brake Camshaft O.S.	1	Man. C.H. Steel	Stamping	Die No. N4470 See also Front Axle Specification
	Grub Screw for Camshaft				2 B.A. x 3/8" long Cancelled.
N6779	Bush for Brake Camshaft	2			Bound Brook Oilless B.O.
N6968	Brake Cam Actuating Lever O.S.	1	Med. Car. Steel	Stamping	Die No. N6777
N6777	Brake Cam Actuating Lever N.S.	1	Med. Car. Steel	Stamping	Die No. N6777
	Key for Actuating Lever	2	Key Steel		1/4" x 3/16" x 11/16" long
4 - 5/16" - 1 1/2"	Clamping Bolt for Actuating Lever	2			
1 - 5/16"	Nut for above Bolt	2			
5/16" dia	Spring Washer	2			
N5105	Brake Shoe Release Spring	4	Car. Coil Spring		B.O.