

---

## **Alvis Parts Specification Lists**

---

**List No.: E175**

**Component: Engine 4 Cyl. O.H.C.**

**Type: FA 12-50**

Component: Engine 4 Cyl. O.H.C.

Type : FA 12-50

List No. E175

Date: 18/04/1928

Page No: 1

Drawing No.	Description	No.	Material	Specification		Remarks
N6529	Crankcase - bottom half		Aluminium	Casting	Patt. No. N6529	Cancelled by N7189, this page.
N6530	Cover for bottom half of Crankcase	1	Aluminium	Casting	Patt. No. N6530	
5 - 1/4" - 3/4"	Stud for above Cover	2				
5* - 1/4" - 1/2"	Stud for above Cover	27				
1 - 1/4"	Nut for above Stud	29				
28-7	Plain Washer 1/4" dia	29			5/8" dia x 1/16" thick	
N7188	Crankcase - top half	1	Aluminium	Casting	Patt. No. N7188	This cancels N6528, this page.
N7189	Crankcase - bottom half	1	Aluminium	Casting	Patt. No. N7189	This cancels N6529, this page.
	Engine Drain Plug	1	Brass		Roth. No. 4 1/2" gas	B.O.
	Joint Washer for Drain Plug	1	Hard Red Fibre	Pressing	1/16" thick	B.O. As used on Petrol Tap.
N6528	Crankcase - top half		Aluminium	Casting	Patt. No. N6528	Cancelled by N7188, this page.
5 - 5/16" - 3/4"	Stud for top to bottom half of Crankcase	2				
5 - 5/16" - 1 1/8"	Stud for top to bottom half of Crankcase	1				
4 - 5/16" - 1 3/4"	Bolt for top to bottom half of Crankcase	15				
1 - 5/16"	Nut for above Studs and Bolts	18				
5/16" dia	Spring Washer	18				
N6842	Joint Washer for Bottom Cover	1	Brown Paper	Pressing		B.O.

**Component:** Engine 4 Cyl. O.H.C.**Type :** FA 12-50**List No.** E175**Date:** 18/04/1928**Page No:** 2

<b>Drawing No.</b>	<b>Description</b>	<b>No.</b>	<b>Material</b>	<b>Specification</b>		<b>Remarks</b>
N6527	Crankshaft 102m/m stroke	1	Man. C.H. Steel	Stamping	Die No. N6527	B.O.
N4773	Crankshaft Balance Weight	4	Mild Steel	Stamping	Die No. N4773	Supplied with Crankshaft.
N2020	Stud for Balance Weight	8	Nic. Chrome Bar	Hex. Bar	.595"/.600" x 3" long	Supplied with Crankshaft.
2 - 7/16"	Nut for above Stud	8				Supplied with Crankshaft.
3/32" dia	Split Pin	8	Steel		3/32" dia x 1 1/8" long	Supplied with Crankshaft.
N1906/7	Front Main Bearing	1	White Metal	Die Casting	Patt. No. N1906/7	B.O.
N1908/9	Centre Main Bearing	1	White Metal	Die Casting	Patt. No. N1908/9	B.O.
N1910/11	Rear Main Bearing	1	White Metal	Die Casting	Patt. No. N1910/11	B.O.
N7104	Dowel for Main Bearing	3	Bright Bolt Steel	Bar	1/4" dia x 9/16" long	
N6538	Front Bearing Cap on Crankshaft	1	Aluminium	Casting	Patt. No. N2160	
N6537	Centre Bearing Cap on Crankshaft	1	Aluminium	Casting	Patt. No. N2161	
N6536	Rear Bearing Cap on Crankshaft	1	Aluminium	Casting	Patt. No. N2159	
N6533	Front Bracket for Main Oil Pipe		Cast Steel	Casting	Patt. No. N6533	Cancelled by N7179 on page 25.
N6532	Centre Bracket for Main Oil Pipe	1	Cast Steel	Casting	Patt. No. N6532	

<b>Drawing No.</b>	<b>Description</b>	<b>No.</b>	<b>Material</b>	<b>Specification</b>		<b>Remarks</b>
<i>N6599</i>	<i>Stud for Bearing Cap</i>	<i>8</i>	<i>Nic. Chrome Bar</i>	<i>Bar</i>	<i>9/16" dia x 3 3/4" long</i>	<i>B.O. First 50 sets made here.</i>
<i>2 - 1/2"</i>	<i>Nut for above Stud</i>	<i>8</i>				
<i>28-26</i>	<i>Plain Washer 1/2" dia</i>	<i>8</i>			<i>1 1/8" dia x 1/16" thick</i>	
<i>1/8" dia</i>	<i>Split Pin</i>	<i>8</i>	<i>Steel</i>		<i>1/8" dia x 1" long</i>	
<i>N7077</i>	<i>Main Oil Pipe</i>	<i>1</i>	<i>Med. Car. Tube Soft</i>	<i>Tube</i>	<i>5/8" o/dia x 16 S.W.G. x 17" long</i>	
<i>N7075</i>	<i>Release Valve Body</i>		<i>Gunmetal</i>	<i>Casting</i>	<i>Patt. No. N7075</i>	<i>Cancelled by N7178 on page 25.</i>
	<i>Gland Packing</i>		<i>John Crane's Metallic Packing</i>		<i>3/16" square x 10" long</i>	<i>Cancelled</i>
<i>N6535</i>	<i>Cap for Oil Pipe Front Bracket</i>		<i>Cast Steel</i>	<i>Casting</i>	<i>Patt. No. N6535</i>	<i>Cancelled by N7178 on page 25.</i>
<i>N6534</i>	<i>Cap for Oil Pipe Centre Bracket</i>	<i>1</i>	<i>Cast Steel</i>	<i>Casting</i>	<i>Patt. No. N6534</i>	
<i>5 - 5/16" - 7/8"</i>	<i>Stud for above Caps</i>	<i>2</i>				
<i>28-13</i>	<i>Plain Washer 5/16" dia</i>	<i>4</i>			<i>3/4" dia x 1/16" thick</i>	
<i>2 - 5/16"</i>	<i>Nut for above Stud</i>	<i>4</i>				
<i>1/16" dia</i>	<i>Split Pin</i>	<i>4</i>	<i>Steel</i>		<i>1/16" dia x 3/4" long</i>	
<i>N6588</i>	<i>Driving Flange on Crankshaft</i>	<i>1</i>	<i>Poldi Boz</i>	<i>Stamping</i>	<i>Die No. N6588</i>	
	<i>Key for Driving Flange</i>	<i>1</i>	<i>Key Steel</i>		<i>5/16" x 5/16" x 2" long</i>	
<i>N6572</i>	<i>Nut for Driving Flange</i>	<i>1</i>	<i>Bright Mild Bar</i>	<i>Bar</i>	<i>2 1/4" x 3/4" long</i>	
<i>N6699</i>	<i>Tab Washer for Crankshaft Nut</i>		<i>Mild Sheet</i>	<i>Pressing</i>	<i>1 1/4" x 1 1/4" x 18 S.W.G.</i>	<i>Cancelled by N7105</i>

Component: Engine 4 Cyl. O.H.C.

Type : FA 12-50

List No. E175

Date: 18/04/1928

Page No: 4

Drawing No.	Description	No.	Material	Specification	Remarks
N6590	Cover for Crankshaft End		Aluminium Sheet	Pressing 3 3/4" x 3 3/4" x 14 S.W.G.	Cancelled by N7137, this page.
5* - 1/4" - 7/16"	Stud for above Cover	8			
1 - 1/4"	Nut for above Stud	8			
1/4" dia	Spring Washer	8			
N7010	Oil Pump Bracket	1	Phos. Bronze	Casting Patt. No. N7010	
N7017	Flange for Main Oil Pipe	1	Mild Steel	Stamping Die No. N5565	
4 - 1/4" - 3/4"	Bolt for above Flange	2			
2 - 1/4"	Nut for above Stud				Cancelled.
N7015	Bush for Oil Pump	1	Phos. Bronze	Casting Patt. No. N7015	
N7011	Cap for Oil Pump Bracket	1	Aluminium	Casting Patt. No. N7011	
	Dowel for Oil Pump Bush	1	Bright Bolt Steel	Bar 3/16" dia x 3/8" long	Made by Fitter.
5 - 5/16" - 1"	Stud for Oil Pump Cap	2			
1 - 5/16"	Nut for above Stud	2			
5/16" dia	Spring Washer	2			
N7137	Cover for Crankshaft End	1	Mild Steel	Stamping Die No. N7137	First sets made from bar. This replaces N6590, this page.
28-7	Plain Washer 1/4" dia			5/8" dia x 1/16" thick	Cancelled.
	Securing Wire for Bolts on Main Oil Pipe Flange	1	Soft iron Wire	18 S.W.G. x 6" long	

**Component:** *Engine 4 Cyl. O.H.C.***Type :** *FA 12-50***List No.** *E175***Date:** *18/04/1928***Page No:** *5*

<b>Drawing No.</b>	<b>Description</b>	<b>No.</b>	<b>Material</b>	<b>Specification</b>		<b>Remarks</b>
<i>N7012</i>	<i>Oil Pump Cover</i>	<i>1</i>	<i>Aluminium</i>	<i>Casting</i>	<i>Patt. No. N7012</i>	
<i>N7013</i>	<i>Oil Pump Body</i>	<i>1</i>	<i>Aluminium</i>	<i>Casting</i>	<i>Patt. No. N7013</i>	
<i>4 - 1/4" - 1"</i>	<i>Bolt for Body and Cover</i>	<i>3</i>				
<i>4 - 1/4" - 7/8"</i>	<i>Bolt for Body and Cover</i>	<i>1</i>				
<i>2 - 1/4"</i>	<i>Nut for above Bolts</i>	<i>3</i>				
<i>28-7</i>	<i>Plain Washer</i>	<i>4</i>			<i>5/8" dia x 1/16" thick</i>	
<i>N5630</i>	<i>Plug for Oil Pump Body</i>	<i>1</i>	<i>Drawn Aluminium</i>	<i>Bar</i>	<i>5/16" dia x 5/8" long</i>	
<i>N7019</i>	<i>Plug for Oil Pump Body</i>	<i>1</i>	<i>Aluminium</i>	<i>Cast Bar</i>	<i>3/4" dia x 3/4" long</i>	
<i>N6585</i>	<i>Oil Pump Pinion</i>	<i>1</i>	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>1 1/2" dia x 5/8" long</i>	
<i>N6584</i>	<i>Oil Pump Pinion &amp; Shaft</i>	<i>1</i>	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>1 1/2" dia x 2 1/2" long</i>	
<i>N7014</i>	<i>Oil Pump Driving Gear</i>	<i>1</i>	<i>Med. Car. Steel</i>	<i>Stamping</i>	<i>Die No. N6563</i>	
	<i>Key for Driving Gear</i>	<i>1</i>			<i>Woodruff No. 2</i>	
<i>2 - 3/8"</i>	<i>Nut for Driving Gear</i>	<i>1</i>				
<i>28-17</i>	<i>Plain Washer 3/8" dia</i>	<i>1</i>			<i>7/8" dia x 1/16" thick</i>	
<i>1/16" dia</i>	<i>Split Pin</i>	<i>1</i>	<i>Steel</i>		<i>1/16" dia x 3/4" long</i>	
	<i>Wire for Oil Pump Body Bolts</i>	<i>1</i>	<i>Soft Iron Wire</i>		<i>1/16" dia x 6" long</i>	
<i>1/16" dia</i>	<i>Split Pin</i>	<i>2</i>	<i>Steel</i>		<i>1/16" dia x 3/4" long</i>	

Component: *Engine 4 Cyl. O.H.C.*

Type : *FA 12-50*

List No. *E175*

Date: *18/04/1928*

Page No: *6*

<b>Drawing No.</b>	<b>Description</b>	<b>No.</b>	<b>Material</b>	<b>Specification</b>	<b>Remarks</b>
<i>N7018</i>	<i>Filter Tube</i>	<i>1</i>	<i>Brass</i>	<i>Tube</i> <i>5/8" o/dia x 16 S.W.G. x 19</i> <i>1/2" long</i>	
<i>N7016</i>	<i>Tapered End Piece for Filter</i>	<i>1</i>	<i>Drawn Brass</i>	<i>Bar</i> <i>1 1/4" dia x 1" long</i>	
<i>N6576</i>	<i>Filter End Piece</i>	<i>1</i>	<i>Drawn Brass</i>	<i>Bar</i> <i>1 1/4" dia x 1" long</i>	
<i>N6577</i>	<i>Gauze Support Disc</i>	<i>2</i>	<i>Drawn Brass</i>	<i>Bar</i> <i>1" dia x 3/8" long</i>	
<i>N6580</i>	<i>Filter Gauze</i>	<i>1</i>	<i>Brass Gauze</i>	<i>3 3/8" wide x 40 mesh x 16</i> <i>5/8" long</i>	
<i>N6579</i>	<i>Filter Shield</i>	<i>1</i>	<i>Brass Sheet</i>	<i>Pressing</i> <i>3" wide x 22 S.W.G. x 17 1/2"</i> <i>long</i>	
<i>N7080</i>	<i>Oil Distributor</i>	<i>1</i>	<i>Bright Bolt Steel</i>	<i>Bar</i> <i>3/4" dia x 3 5/8" long</i>	
<i>N7081</i>	<i>Washer for Oil Distributor</i>	<i>2</i>	<i>Copper &amp; Asbestos</i>	<i>Pressing</i>	<i>B.O.</i>
	<i>Lock Nut for Oil Distributor</i>	<i>1</i>	<i>Brass</i>	<i>Roth. No. 2 , 1/4" gas,</i> <i>3/16" thick</i>	<i>B.O.</i>
	<i>Oil Pipe to Distributor</i>	<i>1</i>	<i>Copper</i>	<i>Tube</i> <i>5/16" o/dia x 18 S.W.G. x</i> <i>long</i>	
<i>11-5</i>	<i>Union for above Oil Pipe</i>	<i>1</i>	<i>Brass</i>		<i>B.O.</i>
<i>10-4</i>	<i>Nut for above Oil Pipe</i>	<i>1</i>	<i>Brass</i>		<i>B.O.</i>
<i>11-3</i>	<i>Union for Oil Pipe to Gauge</i>	<i>1</i>	<i>Brass</i>		<i>B.O.</i>

Component: Engine 4 Cyl. O.H.C.

Type : FA 12-50

List No. E175

Date: 18/04/1928

Page No: 7

Drawing No.	Description	No.	Material	Specification	Remarks
N6589	Filter Spring	1	Car. Coil Spring		B.O.
N6575	Cover Plate for Filter	1	Aluminium	Casting Patt. No. N6575	
5* - 1/4" - 1/2"	Stud for Cover Plate	4			
1 - 1/4"	Nut for above Stud	4			
1/4" dia	Spring Washer	4			
N6578	Locating Peg in Cover Plate	1	Bright Bolt Steel	Bar 3/16" dia x 7/8" long	
N6525	Cylinder Block 68 m/m bore	1	Cast Iron	Casting Patt. No. N6525	
N6748	Core Plug for Cylinder Block and Head	9	Aluminium	Cast Bar 1" dia x 3/4" long	
5 - 3/8" - 1 1/8"	Stud for holding down Cylinder Block	6			
5 - 3/8" - 7/8"	Stud for holding down Cylinder Block	6			
1 - 3/8"	Nut for above Studs	12			
3/8" dia	Spring Washer	12			
5 - 5/16" - 7/8"	Stud for holding down Cylinder Block	2			
2 - 5/16"	Nut for above Stud	2			
1/16" dia	Split Pin	2	Steel	1/16" dia x 3/4" long	



Component: *Engine 4 Cyl. O.H.C.*Type : *FA 12-50*List No. *E175*Date: *18/04/1928*Page No: *8*

Drawing No.	Description	No.	Material	Specification		Remarks
N6526	<i>Cylinder Head</i>	<i>1</i>	<i>Cast Iron</i>	<i>Casting</i>	<i>Patt. No. N6526</i>	
N6593	<i>Joint Washer for Cylinder Head to Cylinder Block</i>	<i>1</i>	<i>Copper Sheet</i>	<i>Pressing</i>	<i>25 S.W.G.</i>	<i>B.O.</i>
N6713	<i>Stud for Cylinder Head</i>	<i>14</i>	<i>Nic. Chrome Bar</i>	<i>Bar</i>	<i>3/8" dia x 5" long</i>	<i>B.O.</i>
<i>1 - 3/8"</i>	<i>Nut for above Stud</i>	<i>14</i>				
<i>28-16</i>	<i>Plain Washer 3/8" dia</i>	<i>14</i>			<i>3/4" dia x 1/16" thick</i>	
<i>5 - 5/16" - 3/4"</i>	<i>Stud for Cylinder Head</i>	<i>2</i>				
<i>1 - 5/16"</i>	<i>Nut for above Stud</i>	<i>2</i>				
<i>5/16" dia</i>	<i>Spring Washer</i>	<i>2</i>				
N6591	<i>Cover Plate for Water Passage</i>	<i>1</i>	<i>Aluminium</i>	<i>Casting</i>	<i>Patt. No. N6591</i>	
N6592	<i>Joint Washer for Cover Plate</i>	<i>1</i>	<i>Hallite</i>	<i>Pressing</i>	<i>1 m/m thick</i>	<i>B.O.</i>
<i>5 - 1/4" - 7/8"</i>	<i>Stud for Cover Plate</i>	<i>6</i>				
<i>1 - 1/4"</i>	<i>Nut for above Stud</i>	<i>6</i>				
<i>1/4" dia</i>	<i>Spring Washer</i>	<i>6</i>				
N3808	<i>Connecting Rod - complete with Cap</i>		<i>Duralumin</i>	<i>Stamping</i>	<i>Die No. N3808</i>	<i>Cancelled by N5041 on page 9.</i>
N4058	<i>Stud for Connecting Rod - big end</i>		<i>Nic. Chrome Bar</i>	<i>Bar</i>	<i>7/16" dia x 2 1/4" long</i>	<i>B.O. Cancelled by Bolt N7172 on page 10.</i>
<i>3 - 3/8"</i>	<i>Nut for above Stud</i>	<i>8</i>				
<i>1/16" dia</i>	<i>Split Pin</i>	<i>8</i>	<i>Steel</i>		<i>1/16" dia x 1" long</i>	

Drawing No.	Description	No.	Material	Specification	Remarks
N6373	Gudgeon Pin		Man. C.H. Steel	Bar 7/8" dia x 2 5/8" long	Cancelled by N7322, page 27.
N6374	End Pad for Gudgeon Pin		Drawn Brass	Bar 3/4" dia x 5/8" long	Cancelled by N7324, page 27.
N6500	Piston - for 68 m/m bore	4	Aluminium	Casting Patt. No. N3120	
N2829	Piston Ring - for 68 m/m bore	8	Cast Iron		B.O.
N6594	Water Outlet Pipe for Cylinder Head	1	Aluminium	Casting Patt. No. N6594	
N3312	Joint Washer for Outlet Pipe	1	Hallite	Pressing 1 m/m thick	B.O.
5 - 5/16" - 1"	Stud for Water Outlet Pipe	2			
1 - 5/16"	Nut for above Stud	2			
5/16" dia	Spring Washer	2			
N6542	Timing Gear - large	3	Poldi Boz	Stamping Die No. N6542	
	Bearing for above Gear			5/8" x 1 1/8" x 1" Hyatt No. 16860	B.O. Cancelled by N7021, page 27.
N6544	Gear Spindle	3	Man. C.H. Steel	Bar 3/4" dia x 2 1/2" long	
N6546	Retaining Peg for Gear Spindle		Silver Steel	Bar 3/16" dia x 7/16" long	Cancelled by Grub Screw.
N6543	Distance Piece for Timing Gear	6	Man. C.H. Steel	Bar 1 1/2" dia x 1/4" long	
N6642	Retaining Nut for Gear Spindle		Aluminium	Cast Bar 1 3/8" dia x 7/8" long	Cancelled by N7323, page 27.
	Radial Slotted Scraper Ring	4		68 m/m dia x 1/8" wide x 3/32" thick	B.O.
N5041	Connecting Rod - complete with Cap	4	Duralumin	Stamping Die No. N3808	This replaces N3808 on page 8. [This rod had big end bolts instead of studs.]

Drawing No.	Description	No.	Material	Specification	Remarks	
N6646	Camshaft	1	Man. C.H. Steel	Stamping		
N6548	Camshaft Front Bearing - top half	1	White Metal	Die Casting	Patt. No. N6548	B.O.
N6552	Camshaft Rear Bearing - top half	1	White Metal	Die Casting	Patt. No. N6552	B.O.
N6549	Camshaft Front Bearing - bottom half	1	White Metal	Die Casting	Patt. No. N6549	B.O.
N6724	Camshaft Rear Bearing - bottom half	1	White Metal	Die Casting	Patt. No. N6724	B.O.
N6550	Camshaft Centre Bearing - top half	1	White Metal	Die Casting	Patt. No. N6550	B.O.
N6551	Camshaft Centre Bearing - bottom half	1	White Metal	Die Casting	Patt. No. N6551	B.O.
	Dowel for Camshaft Bearings	3	Bright Bolt Steel	Bar	3/16" dia x 3/8" long	
N6555	Camshaft Front Bearing Cap	1	Cast Iron	Casting	Patt. No. N6555	
N6554	Camshaft Centre Bearing Cap	1	Cast Iron	Casting	Patt. No. N6554	
N7076	Camshaft Rear Bearing Cap	1	Cast Iron	Casting	Patt. No. N7076	
5 - 5/16" - 1 3/8"	Stud for Camshaft Bearing Caps	4				
2 - 5/16"	Nut for above Studs	4				
1/16" dia	Split Pin	4	Steel		1/16" dia x 3/4" long	
	Oil Pipe to Camshaft	1	Copper	Tube	3/16" o/dia x 18 S.W.G. x 8" long	
10-2	Nut for above Oil Pipe	2	Brass			B.O.
13-2	Elbow for above Oil Pipe	1	Brass			B.O.
N7172	Bolt for Connecting Rod - big end	8	Nic. Chrome Bar	Bar	5/8" dia x 2 1/2" long	B.O. This replaces Stud N4058 on page 8.

Drawing No.	Description	No.	Material	Specification	Remarks	
<i>N1948</i>	<i>Oil Release Valve</i>	<i>1</i>	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>5/8" dia x 1 1/4" long</i>	
<i>N1949</i>	<i>Plug for Release Valve Body</i>	<i>1</i>	<i>Bright Bolt Steel</i>	<i>Hex. Bar</i>	<i>.915"/.920" x 1 1/8" long</i>	
	<i>Washer for Release Valve Body</i>	<i>1</i>	<i>Copper &amp; Asbestos</i>	<i>Pressing</i>		<i>B.O. As used on Sparking Plug.</i>
<i>N2087</i>	<i>Release Valve Spring</i>		<i>Car. Coil Spring</i>			<i>B.O. Cancelled by N5509 this page.</i>
<i>N1950</i>	<i>Adjusting Washer for Release Valve</i>	<i>3</i>	<i>Mild Sheet</i>	<i>Pressing</i>	<i>16 S.W.G.</i>	<i>No. per set arranged by Fitter.</i>
<i>N6547</i>	<i>Camshaft Timing Wheel</i>	<i>1</i>	<i>Poldi Boz</i>	<i>Stamping</i>	<i>Die No. N6547</i>	
	<i>Key for Timing Wheel</i>	<i>1</i>	<i>Key Steel</i>		<i>1/4" x 1/4" x 1" long</i>	
<i>N2991</i>	<i>Nut for Camshaft</i>	<i>1</i>	<i>Bright Bolt Steel</i>		<i>5/8" B.S.F.</i>	<i>B.O.</i>
<i>28-31</i>	<i>Plain Washer 5/8" dia</i>	<i>1</i>			<i>1 1/4" dia x 1/8" thick</i>	
<i>1/8" dia</i>	<i>Split Pin</i>	<i>1</i>	<i>Steel</i>		<i>1/8" dia x 1 1/4" long</i>	
<i>N6595</i>	<i>Cover for Valve Gear</i>	<i>1</i>	<i>Aluminium</i>	<i>Casting</i>	<i>Patt. No. N6595</i>	
<i>N6645</i>	<i>Stud for Valve Cover (front)</i>	<i>2</i>	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>5/16" dia x 4 7/8" long</i>	
<i>1 - 5/16"</i>	<i>Lock Nut for above Stud</i>	<i>2</i>				
<i>5/16" dia</i>	<i>Spring Washer</i>	<i>2</i>				
<i>5 - 1/4" - 1 1/8"</i>	<i>Stud for Valve Cover (centre and rear)</i>	<i>2</i>				
<i>N6647</i>	<i>Dome Nut for Valve Cover 1/4" B.S.F.</i>	<i>4</i>	<i>Drawn Brass</i>	<i>Hex. Bar</i>	<i>.440"/.445" x 1" long</i>	
<i>N5509</i>	<i>Release Valve Spring</i>	<i>1</i>	<i>Car. Coil Spring</i>			<i>B.O. This replaces N2087 this page.</i>

Component: Engine 4 Cyl. O.H.C.

Type : FA 12-50

List No. E175

Date: 18/04/1928

Page No: 12

Drawing No.	Description	No.	Material	Specification		Remarks
N7398	Inlet and Exhaust Valves	8	KE965	Stamping	Die No. N7398	B.O.
N7399	Valve Guide	8	Phos. Bronze	Casting	Patt. No. N7399	
N4950	Valve Spring - outer	8	Special Spring Wire			B.O.
N5296	Valve Spring - inner	8	Special Spring Wire			B.O.
N5332	Valve Spring Cup	8	50 ton Alloy Bar	Bar	1 1/2" x 3/4" long	
N3111	Valve Spring Split Collar	8	Bright Bolt Steel	Bar	1/2" dia x 1/2" long	
N6704	Water Pump Body		Aluminium	Casting	Patt. No. N6704	Cancelled by N7319, page 26.
N6712	Joint Washer - Water Pump to Cylinder Block	1	Hallite	Pressing	1/16" thick	B.O.
4 - 1/4" - 3/4"	Bolt for Water Pump to Cylinder Block	4				
1/4" dia	Spring Washer	4				
N6705	Cover for Water Pump	1	Phos. Bronze	Casting	Patt. No. N6705	
5* - 1/4" - 1/2"	Stud for Cover to Water Pump	3				
1 - 1/4"	Nut for above Stud	3				
1/4" dia	Spring Washer	3				
5 - 5/16" - 7/8"	Stud for Cover to Cylinder Block	3				
1 - 5/16"	Nut for above Stud	3				
5/16" dia	Spring Washer	3				

Drawing No.	Description	No.	Material	Specification	Remarks	
N7062	Impeller and Shaft for Pump		Phos. Bronze on Stainless Steel	Casting and Bar	Patt. No. N6706, 3/4" dia x 3 3/4" long	Cancelled by N7182 & N7183, page 26.
N6707	Gland for Water Pump	1	Drawn Brass	Hex. Bar	1.192"/1.200" x 1 1/8" long	
	Gland Packing	1	John Crane's Metallic Packing		3/16" square x 10" long	
N6710	Set Screw for Gland	1			Set Screw 6-1/4"-1 3/8"	
1 - 1/4"	Lock Nut for Set Screw	1				
N7059	Housing for Ball Race on Magneto Shaft - rear		Aluminium	Casting	Patt. No. N7059	Cancelled by N7180, page 26.
N7061	Housing for Ball Race on Magneto Shaft - front	1	Aluminium	Casting	Patt. No. N7061	
N7060	Oil Retainer for Magneto Drive	1	Aluminium	Casting	Patt. No. N7060	
	Ball Bearing for Magneto Shaft	2			20 x 52 x 15 Hoffman No. 320	B.O.
N7063	Shaft for Magneto Driving Gear		Man. C.H. Bright Bar	Bar	1 3/8" dia x 5 1/8" long	Cancelled by N7182, page 26.
N7064	Driving Gear for Magneto	1	Poldi Boz	Bar	3" dia x 1 1/8" long	First sets to be made from Part No. N6711.
	Key for Driving Gear	1			1/4" x 3/16" x 7/8" long	
N7065	Distance Piece on Driving Shaft		Bright Bolt Steel	Bar	1 3/8" dia x 9/16" long	Cancelled by N7181, page 26.
N7067	Oil Thrower	1	Mild Sheet	Pressing	2 1/4" x 2 1/4" x 20 S.W.G.	
N7066	Distance Washer on Driving Shaft		Bright Bolt Steel	Bar	1 1/2" dia x 5/16" long	Cancelled.

<b>Drawing No.</b>	<b>Description</b>	<b>No.</b>	<b>Material</b>	<b>Specification</b>		<b>Remarks</b>
<i>N6664</i>	<i>Nut for Magneto Driving Shaft</i>		<i>Bright Bolt Steel</i>	<i>Hex. Bar</i>	<i>1.002"/1.010" x 7/16" long</i>	<i>Cancelled.</i>
<i>N6665</i>	<i>Tab Washer</i>		<i>Double Seam Sheet Steel</i>	<i>Pressing</i>	<i>1 1/2" x 1 1/2" x 21 S.W.G.</i>	<i>Cancelled.</i>
<i>N7126</i>	<i>Magneto Coupling on Driving Shaft</i>	<i>1</i>	<i>Brass</i>	<i>Stamping</i>	<i>Die No. N2277</i>	
	<i>Key for above Coupling</i>	<i>1</i>			<i>Woodruff No. 3</i>	
<i>2 - 3/8"</i>	<i>Nut for above Coupling</i>	<i>1</i>				
<i>N6761</i>	<i>Plain Washer 3/8" dia</i>	<i>1</i>	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>1" dia x 1/4" long</i>	
<i>1/16" dia</i>	<i>Split Pin</i>	<i>1</i>	<i>Steel</i>		<i>1/16" dia x 3/4" long</i>	
<i>N2278</i>	<i>Magneto Coupling on Magneto</i>	<i>1</i>	<i>Brass</i>	<i>Stamping</i>	<i>Die No. N2278</i>	
	<i>Rubber Coupling for Magneto</i>	<i>1</i>			<i>Simms Serial No. 5990</i>	<i>B.O.</i>
<i>N7058</i>	<i>Housing for Magneto</i>	<i>1</i>	<i>Aluminium</i>	<i>Casting</i>	<i>Patt. No. N7058</i>	
<i>5 - 5/16" - 3/4"</i>	<i>Stud for Housing to Cylinder Block</i>	<i>3</i>				
<i>5 - 5/16" - 7/8"</i>	<i>Stud for Magneto to Housing</i>	<i>3</i>				
<i>1 - 5/16"</i>	<i>Nut for above Studs</i>	<i>6</i>				
<i>5/16" dia</i>	<i>Spring Washer</i>	<i>6</i>				
	<i>Magneto: BTH Type CE4, Spigot Mounting</i>	<i>1</i>				<i>B.O.</i>

Drawing No.	Description	No.	Material	Specification		Remarks
N6650	Supercharger Casing	1	Aluminium	Casting	Patt. No. N6650	Only required when Supercharger is fitted.
N6651	Front Housing for Supercharger	1	Cast Steel	Casting	Patt. No. N6651	Only required when Supercharger is fitted.
N6653	Front Cover for Supercharger	1	Aluminium	Casting	Patt. No. N6653	Only required when Supercharger is fitted.
5 - 1/4" - 2 5/8"	Stud for Front Cover and Housing	7				Only required when Supercharger is fitted.
5* - 1/4" - 1/2"	Stud for Front Cover and Housing	1				Only required when Supercharger is fitted.
2 - 1/4"	Nut for above Stud	1				Only required when Supercharger is fitted.
1 - 1/4"	Nut for above Studs	7				Only required when Supercharger is fitted.
1/16" dia	Split Pin	1	Steel		1/16" dia x 3/4" long	Only required when Supercharger is fitted.
1/4" dia	Spring Washer	7				Only required when Supercharger is fitted.
N6652	Rear Housing for Supercharger	1	Cast Steel	Casting	Patt. No. N6652	Only required when Supercharger is fitted.
N6657	Rear Cover for Supercharger	1	Aluminium	Casting	Patt. No. N6657	Only required when Supercharger is fitted.
5 - 1/4" - 2"	Stud for Rear Cover and Housing	8				Only required when Supercharger is fitted.
1 - 1/4"	Nut for above Studs	8				Only required when Supercharger is fitted.
1/4" dia	Spring Washer	8				Only required when Supercharger is fitted.
N2763	Locating Pegs for Housings	4	Bright Bolt Steel	Bar	5/16" dia x 1 5/16" long	Only required when Supercharger is fitted.
5 - 5/16" - 7/8"	Stud for Supercharger to Cylinder Block	3				Only required when Supercharger is fitted.
5 - 5/16" - 3 3/8"	Stud for Supercharger to Cylinder Block	2				Only required when Supercharger is fitted.
1 - 5/16"	Nut for above Studs	5				Only required when Supercharger is fitted.
5/16" dia	Spring Washer	5				Only required when Supercharger is fitted.



<b>Drawing No.</b>	<b>Description</b>	<b>No.</b>	<b>Material</b>	<b>Specification</b>	<b>Remarks</b>
N6654	<i>Rotor for Supercharger - top</i>	<i>1</i>	<i>Nic. Chrome Steel</i>	<i>Stamping</i> <i>Die No. N6654</i>	<i>Only required when Supercharger is fitted.</i>
N6655	<i>Rotor for Supercharger - bottom</i>	<i>1</i>	<i>Nic. Chrome Steel</i>	<i>Stamping</i> <i>Die No. N6654</i>	<i>Only required when Supercharger is fitted.</i>
N6661	<i>Distance Piece for Rotor - rear</i>	<i>2</i>	<i>Bright Bolt Steel</i>	<i>Bar</i> <i>1 1/4" dia x 3/8" long</i>	<i>Only required when Supercharger is fitted.</i>
	<i>Ball Bearing for Rotor - rear</i>	<i>2</i>		<i>20 x 47 x 14 Hoffman No. 120</i>	<i>B.O. Only required when Supercharger is fitted.</i>
<i>2 - 3/8"</i>	<i>Nut for Rotor Shaft - rear</i>	<i>2</i>			<i>Only required when Supercharger is fitted.</i>
N6761	<i>Washer for Rotor Shaft - rear</i>	<i>2</i>	<i>Bright Bolt Steel</i>	<i>Bar</i> <i>1" dia x 1/4" long</i>	<i>Only required when Supercharger is fitted.</i>
N6660	<i>Cover for Ball Race - rear</i>	<i>2</i>	<i>Aluminium Sheet</i>	<i>Pressing</i> <i>2 3/4" x 2 3/4" x 10 S.W.G.</i>	<i>Only required when Supercharger is fitted.</i>
<i>5* - 2 B.A. - 3/8"</i>	<i>Stud for above Cover</i>	<i>6</i>			<i>Only required when Supercharger is fitted.</i>
<i>2 - 2 B.A.</i>	<i>Nut for above Stud</i>	<i>6</i>			<i>Only required when Supercharger is fitted.</i>
<i>1/16" dia</i>	<i>Split Pin</i>	<i>6</i>	<i>Steel</i>	<i>1/16" dia x 5/8" long</i>	<i>Only required when Supercharger is fitted.</i>
	<i>Ball Bearing for Rotor - front top</i>	<i>1</i>		<i>20 x 47 x 14 Hoffman No. 120</i>	<i>B.O. Only required when Supercharger is fitted.</i>
	<i>Ball Bearing for Rotor - front bottom</i>	<i>1</i>		<i>25 x 52 x 15 Hoffman No. 125</i>	<i>B.O. Only required when Supercharger is fitted.</i>
N6658	<i>Cover for Ball Race - front</i>	<i>1</i>	<i>Aluminium Sheet</i>	<i>Pressing</i> <i>5 1/4" x 3" x 16 S.W.G.</i>	<i>Only required when Supercharger is fitted.</i>
<i>9 - 2 B.A. - 3/8"</i>	<i>C/sk. Screw for above Cover</i>	<i>6</i>			<i>Only required when Supercharger is fitted.</i>
N6667	<i>Gear Wheel for Top Rotor</i>	<i>1</i>	<i>Poldi Boz</i>	<i>Bar</i> <i>2 5/8" dia x 1" long</i>	<i>Only required when Supercharger is fitted.</i>
	<i>Key for above Wheel</i>	<i>1</i>		<i>Woodruff No. 6</i>	<i>Only required when Supercharger is fitted.</i>

Drawing No.	Description	No.	Material	Specification	Remarks	
N6668	Gear Wheel for Bottom Rotor	1	Poldi Boz	Bar	2 5/8" dia x 3/4" long	Only required when Supercharger is fitted.
N6669	Carrier for Bottom Gear Wheel	1	Bright Bolt Steel	Bar	2" dia x 1 1/2" long	Only required when Supercharger is fitted.
	Key for Carrier	1	Key Steel		3/16" x 3/16" x 1" long	Only required when Supercharger is fitted.
5 - 1/4" - 5/8"	Stud for Bottom Gear Wheel	2				Only required when Supercharger is fitted.
2 - 1/4"	Nut for above Stud	2				Only required when Supercharger is fitted.
1/16" dia	Split Pin	2	Steel		1/16" dia x 5/8" long	Only required when Supercharger is fitted.
2 - 3/8"	Nut for Rotor Shaft - front	2				Only required when Supercharger is fitted.
1/16" dia	Split Pin	2	Steel		1/16" dia x 3/4" long	Only required when Supercharger is fitted.
N6761	Plain Washer 3/8" dia	2	Bright Bolt Steel	Bar	1" dia X 1/4" long	Only required when Supercharger is fitted.
N6662	Driving Shaft for Supercharger	1	Bright Bolt Steel	Bar	1" dia x 4 3/8" long	Only required when Supercharger is fitted.
	Ball Bearing for Driving Shaft	1			15 x 42 x 13 Hoffman No. 315	B.O. Only required when Supercharger is fitted.
	Ball Bearing for Driving Shaft	1			3/4" x 1 7/8" x 9/16" Hoffman L.S.8	B.O. Only required when Supercharger is fitted.
N6659	Cover for Ball Race for Driving Shaft	1	Aluminium Sheet	Pressing	2 1/2" x 2 3/8" x 16 S.W.G.	Only required when Supercharger is fitted.
9 - 2 B.A. - 3/8"	C/sk. Screw	3				Only required when Supercharger is fitted.
N6663	Supercharger Driving Gear	1	Poldi Boz	Bar	3" dia x 1" long	Only required when Supercharger is fitted.
	Key	1			Woodruff No. 6	Only required when Supercharger is fitted.

Drawing No.	Description	No.	Material	Specification	Remarks
N6664	Nut for Driving Shaft	1	Bright Bolt Steel	Hex. Bar 1.002"/1.010" x 7/16" long	Only required when Supercharger is fitted.
N6665	Tab Washer for Driving Shaft	1	Double Seam Sheet Steel	Pressing 1 1/2" x 1 1/2" x 21 S.W.G.	Only required when Supercharger is fitted.
N6666	Cover for Driving Shaft	1	Aluminium	Casting Patt. No. N6666	Only required when Supercharger is fitted.
5* - 1/4" - 1/2"	Stud for above Cover	3			Only required when Supercharger is fitted.
1 - 1/4"	Nut for above Stud	3			Only required when Supercharger is fitted.
1/4" dia	Spring Washer	3			Only required when Supercharger is fitted.
N6670	Supercharger Driving Gear and Shaft	1	Poldi Boz	Bar 3" dia x 5 3/8" long	
	Ball Bearing for above Shaft	2		1" x 2 1/4" x 5/8" Hoffman L.S.10	B.O.
N6677	Inner Flange for Supercharger Drive	1	Aluminium	Casting Patt. No. N6677	
N6678	Cover for Inner Flange	1	Aluminium	Casting Patt. No. N6678	
5 - 1/4" - 5/8"	Stud for Flange and Cover	3			
1 - 1/4"	Nut for above Stud	3			
1/4" dia	Spring Washer for above Stud	3			
N6671	Coupling for Supercharger - driving side	1	Man. C.H. Steel	Stamping Die No. N6671	Only required when Supercharger is fitted. Replaced by N7224 page 19 when Supercharger is not fitted.
	Key	1	Key Steel	3/16" x 3/16" x 7/8" long	
N7094	Nut for Driving Coupling	1	Bright Bolt Steel	Hex. Bar .915"/.920" x 5/8" long	
3/32" dia	Split Pin	1	Steel	3/32" dia x 1 1/2" long	

<b>Drawing No.</b>	<b>Description</b>	<b>No.</b>	<b>Material</b>	<b>Specification</b>		<b>Remarks</b>
N6672	<i>Coupling for Supercharger - driven side</i>	1	<i>Man. C.H. Steel</i>	<i>Stamping</i>	<i>Die No. N6671</i>	<i>Only required when Supercharger is fitted.</i>
	<i>Key</i>	1			<i>Woodruff No. 6</i>	<i>Only required when Supercharger is fitted.</i>
	<i>Nut</i>	1			<i>As 2-1/2" but 3/8" thick</i>	<i>Only required when Supercharger is fitted.</i>
28-26	<i>Plain Washer 1/2" dia</i>	1			<i>1 1/8" dia x 1/16" thick</i>	<i>Only required when Supercharger is fitted.</i>
3/32" dia	<i>Split Pin</i>	1	<i>Steel</i>		<i>3/32" dia x 1 1/8" long</i>	<i>Only required when Supercharger is fitted.</i>
N6673	<i>Centre Piece for Supercharger Coupling</i>	1	<i>Man. C.H. Steel</i>	<i>Bar</i>	<i>2 1/2" dia x 1" long</i>	<i>Only required when Supercharger is fitted.</i>
N6676	<i>Outer Flange for Dynamo Drive</i>	1	<i>Aluminium</i>	<i>Casting</i>	<i>Patt. No. N6676</i>	
N6656	<i>Dynamo Housing</i>	1	<i>Aluminium</i>	<i>Casting</i>	<i>Patt. No. N6656</i>	
5 - 3/8" - 1"	<i>Stud for Dynamo Housing</i>	3				
1 - 3/8"	<i>Nut for above Stud</i>	3				
3/8" dia	<i>Spring Washer</i>	3				
5 - 5/16" - 7/8"	<i>Stud for Dynamo Housing</i>	2				
1 - 5/16"	<i>Nut for above Stud</i>	2				
5/16" dia	<i>Spring Washer</i>	2				
N7224	<i>Distance Piece for Dynamo Driving Shaft</i>	1	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>1 1/4" dia x 1 1/2" long</i>	<i>This replaces N6671 (page 18) when Supercharger is not fitted.</i>

**Component:** Engine 4 Cyl. O.H.C.

**Type :** FA 12-50

**List No.** E175

**Date:** 18/04/1928

**Page No:** 20

<b>Drawing No.</b>	<b>Description</b>	<b>No.</b>	<b>Material</b>	<b>Specification</b>		<b>Remarks</b>
	Dynamo CAV Type DC171	1			Anticlockwise	B.O.
4 - 3/8" - 1 3/8"	Bolt for Dynamo	3				
1 - 3/8"	Nut for above Bolt	3				
3/8" dia	Spring Washer	3				
N6675	Dynamo Coupling - driving side	1	Brass	Stamping	Die No. N5623	
	Key	1			Woodruff No. 6	
	Cotter Pin for above Coupling 5/16" dia	1			Cycle Pattern, complete with nut	B.O.
N6674	Dynamo Coupling - driven side	1	Brass	Stamping	Die No. N5622	
	Rubber Coupling for Dynamo	1			Simms Serial No. 7302	B.O.
N7429	Tab Washer for Gear Wheel on Bottom Rotor	2	Mild Sheet	Pressing	20 S.W.G.	Only required when Supercharger is fitted.
4 - 1/4" - 3/4"	Bolt for Bottom Gear Wheel	4				Only required when Supercharger is fitted.

Drawing No.	Description	No.	Material	Specification		Remarks
	Starter Motor Lucas Type MO418SBF	1				B.O.
N6750	Grub Screw for Starter	1	Bright Bolt Steel	Bar	5/8" dia x 1 5/8" long	
N6751	Lock Nut	1	Bright Bolt Steel	Hex. Bar	1.002"/1.010" x 3/8" long	
N6749	Oil Level Float		Brass		Roth. No.1	B.O. Cancelled by N7129, this page.
N6749 (part)	Rod for Float		Cycle Spoke Wire		16 S.W.G. x 8 1/4" long	B.O. Cancelled by N7129, this page.
N6648	Bush for Oil Level Rod - top	1	Drawn Brass	Bar	3/8" dia x 3/4" long	
N6649	Bush for Oil Level Rod - bottom	1	Drawn Brass	Bar	3/8" dia x 1 3/8" long	
N6752	Baffle Plate	2	Sheet Aluminium	Pressing	22 1/4" x 3 1/2" x 16 S.W.G.	
6 - 1/4" - 1/2"	Set Screw for Baffle Plate	14				
28-7	Plain washer 1/4" dia	14			5/8" dia x 1/16" thick	
	Securing Wire for Set Screws	2	Iron Wire		1/16" dia x 29" long	
N6746	End Plate for Valve Cover	1	Aluminium Sheet	Pressing	2 5/8" x 2 5/8" x 1/8" thick	Not required when fitting Revolution Counter.
4 - 1/4" - 5/8"	Bolt for End Plate	4				
1/4" dia	Spring Washer	4				
N6741	Plug for rear end of Camshaft		Nic. Chrome Bar	Bar	1/2" dia x 1 3/8" long	Cancelled by N7265 page 27.
N6742	Plug for front end of Camshaft	1	Bright Bolt Steel	Bar	5/16" dia x 5/8" long	
N7129	Oil Level Float and Rod	1				B.O. This replaces N6749, this page.

Component: Engine 4 Cyl. O.H.C.

Type : FA 12-50

List No. E175

Date: 18/04/1928

Page No: 22

Drawing No.	Description	No.	Material	Specification	Remarks
N6905	Valve Tappet	8	Man. C.H. Steel	Bar 1 3/4" dia x 1 7/8" long	
N6906	Shim for Tappet adjustment	8	Poldi Boz	Bar 3/8" dia x 1/4" long	Otherwise known as.....Hell's Confetti.
N6907	Thimble for Shim	8	Man. C.H. Steel	Bar 9/16" dia x 3/8" long	
N6924	Induction Manifold	1	Aluminium	Casting Patt. No. N6924	Only required when Supercharger is fitted.
N	Joint Washer for Induction Manifold	1	Brown Paper	Pressing	Only required when Supercharger is fitted.
5 - 1/4" - 1 5/8"	Stud for Manifold to Supercharger	1			Only required when Supercharger is fitted.
5 - 1/4" - 1/2"	Stud for Manifold to Supercharger	4			Only required when Supercharger is fitted.
1 - 1/4"	Nut for above Studs	5			Only required when Supercharger is fitted.
4 - 1/4" - 3/4"	Bolt for Manifold to Supercharger	3			Only required when Supercharger is fitted.
1/4" dia	Spring Washer	8			Only required when Supercharger is fitted.
5 - 5/16" - 7/8"	Stud for Manifold to Cylinder Head	4			
1 - 5/16"	Nut for above Stud	4			
5/16" dia	Spring Washer	4			
N5383	Joint Washer for Manifold	2	Hallite	Pressing 0.1" thick	B.O.

Component: Engine 4 Cyl. O.H.C.

Type : FA 12-50

List No. E175

Date: 18/04/1928

Page No: 23

Drawing No.	Description	No.	Material	Specification	Remarks
N6921	Oil Filler	1	Aluminium	Casting Patt. No. N6921	
5 - 1/4" - 5/8"	Stud for Oil Filler to Crankcase (bottom half)	3			
1 - 1/4"	Nut for above Stud	3			
1/4" dia	Spring Washer	3			
N4590	Oil Filler Cap and Breather	1	Aluminium	Casting Patt. No. N4590	
5 - 5/16" - 3/4"	Stud for Oil Filler Cap	1			
2 - 5/16"	Nut for above Stud	1			
	Spring Washer	1		5/16" dia double coil	
1/16" dia	Split Pin	1	Steel	1/16" dia x 3/4" long	
N4635	Spring Ring for Filler Cap	2	Car. Coil Spring		B.O.
	Gauze for Breather	2	Phos. Bronze Wire Gauze	3 1/4" x 3 1/4" x 120 mesh	
N4591	Spring for Filler Cap	1	Car. Strip Spring		B.O.
8 - 4 B.A. - 3/8"	Round Head Screw for Spring	2			
N4674	Oil Strainer	1		20 mesh Brass Gauze on Wire Support	B.O.



**Component:** *Engine 4 Cyl. O.H.C.***Type :** *FA 12-50***List No.** *E175***Date:** *18/04/1928***Page No:** *24*

<b>Drawing No.</b>	<b>Description</b>	<b>No.</b>	<b>Material</b>	<b>Specification</b>		<b>Remarks</b>
<i>N6952</i>	<i>Exhaust Manifold</i>	<i>1</i>	<i>Cast Iron</i>	<i>Casting</i>	<i>Patt. No. N6952</i>	<i>Only required when Supercharger is fitted.</i>
<i>N5384</i>	<i>Joint Washer for Exhaust Manifold</i>	<i>3</i>	<i>Hallite</i>	<i>Pressing</i>	<i>0.1" thick</i>	<i>B.O.</i>
<i>5 - 5/16" - 7/8"</i>	<i>Stud for Exhaust Manifold</i>	<i>6</i>				
	<i>Nut for above Stud</i>	<i>6</i>	<i>Brass</i>		<i>As 1 - 5/16"</i>	
<i>N6984</i>	<i>Supercharger Release Valve Body</i>	<i>2</i>	<i>Drawn Brass</i>	<i>Hex. Bar</i>	<i>1.002"/1.010" x 1 5/8" long</i>	<i>Only required when Supercharger is fitted.</i>
<i>N6987</i>	<i>Supercharger Release Valve</i>	<i>2</i>	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>3/4" dia 1 1/2" long</i>	<i>Only required when Supercharger is fitted.</i>
<i>N6986</i>	<i>Spring for Release Valve</i>	<i>2</i>	<i>Car. Coil Spring</i>			<i>B.O. Only required when Supercharger is fitted.</i>
<i>N6988</i>	<i>Shim for Release Valve</i>	<i>4</i>	<i>Brass Sheet</i>	<i>Pressing</i>	<i>3/4" x 3/4" x 18 S.W.G.</i>	<i>Only required when Supercharger is fitted.</i>
<i>N6985</i>	<i>Plug for Release Valve Body</i>	<i>2</i>	<i>Drawn Brass</i>	<i>Hex. Bar</i>	<i>1.002"/1.010" x 1" long</i>	<i>Only required when Supercharger is fitted.</i>
<i>N7085</i>	<i>Engine Resting Bolt</i>		<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>1/2" dia x 3 7/8" long</i>	<i>Cancelled.</i>
<i>1 - 7/16"</i>	<i>Nut for above Bolt</i>					<i>Cancelled.</i>
<i>7/16" dia</i>	<i>Spring Washer</i>					<i>Cancelled.</i>

Drawing No.	Description	No.	Material	Specification	Remarks	
N7131	Rev. Counter Cable Housing		Aluminium	Casting	Patt. No. N7131	Only required when Rev. Counter is fitted. Cancelled by N7268 page 27.
5 - 1/4" - 5/8"	Stud for Cable Housing	4				Only required when Rev. Counter is fitted.
4 - 1/4" - 1 1/4"	Bolt for Rev. Counter Cable Clamp	1				Only required when Rev. Counter is fitted.
28-7	Plain Washer 1/4" dia	5			5/8" dia x 1/16" thick	Only required when Rev. Counter is fitted.
1/4" dia	Spring Washer	5				Only required when Rev. Counter is fitted.
1 - 1/4"	Nut for above Bolt and Studs	5				Only required when Rev. Counter is fitted.
N7179	Front Bracket for Main Oil Pipe	1	Phos. Bronze	Casting	Patt. No. N7179	This replaces N6533 page 2.
N7178	Cap for Bracket and Release Valve Body	1	Phos. Bronze	Casting	Patt. No. N7178	This replaces N6535 and N7075 on page 3.
5 - 5/16" - 1 1/2"	Stud for above Cap and Bracket	2				
N5382	Induction and Exhaust Manifold	1	Cast Iron	Casting	Patt. No. N5382	For Touring Models.
N7091	Induction and Exhaust Manifold	1	Cast Iron	Casting	Patt. No. N7091	For 2 Seater Sports unsupercharged.
	Carburettor	1			40 m/m Solex M.V. type	Double quantity for 2 Seater Sports unsupercharged.
N5385	Joint Washer for Carburettor	1	Lead Sheet	Pressing	1 m/m thick	Double quantity for 2 Seater Sports unsupercharged.
4 - 3/8" - 1 3/8"	Bolt for Carburettor	2				Double quantity for 2 Seater Sports unsupercharged.
1 - 3/8"	Nut for above Bolt	2				Double quantity for 2 Seater Sports unsupercharged.
3/8" dia	Spring Washer	2				Double quantity for 2 Seater Sports unsupercharged.

Component: Engine 4 Cyl. O.H.C.

Type : FA 12-50

List No. E175

Date: 11/06/1928

Page No: 26

Drawing No.	Description	No.	Material	Specification	Remarks
N7183	Impeller for Water Pump	1	Phos. Bronze	Casting Patt. No. N7183	This replaces N7062 on page 13.
N7182	Shaft for Magneto Driving Gear	1	Man. C.H. Bright Bar	Bar 1 3/8" dia x 8 3/8" long	This replaces N7062 on page 13.
	Key for Impeller	1		Woodruff No.3	
2 - 3/8"	Nut for Impeller	1			
28 - 17	Plain Washer 3/8" dia	1		7/8" dia x 1/16" thick	
N7180	Housing for Ball Race on Magneto Shaft - rear	1	Gunmetal	Casting Patt. No. N7180	This replaces N7059 on page 13.
N7181	Distance Piece on Magneto Driving Shaft	1	Bright Bolt Steel	Bar 1 3/8" dia x 9/16" long	This replaces N7065 on page 13.
N7319	Water Pump Body	1	Aluminium	Casting Patt. No. N7319	This replaces N6704 page 12.
	Carburettor	1		40 m/m Solex Type MOHD	B.O. Only required when Supercharger is fitted.
5 - 3/8" - 7/8"	Stud for Carburettor	2			Only required when Supercharger is fitted.
1 - 3/8"	Nut for above Stud	2			Only required when Supercharger is fitted.
3/8" dia	Spring Washer	2			Only required when Supercharger is fitted.

<b>Drawing No.</b>	<b>Description</b>	<b>No.</b>	<b>Material</b>	<b>Specification</b>		<b>Remarks</b>
<i>N7265</i>	<i>Driving Piece for Rev. Counter</i>	<i>1</i>	<i>Nic. Chrome Bar</i>	<i>Bar</i>	<i>1 1/8" dia x 1 5/8" long</i>	<i>This replaces N6741 page 21.</i>
<i>N7266</i>	<i>Driven Piece for Rev. Counter</i>	<i>1</i>	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>1 1/4" dia x 3/4" long</i>	<i>Required only when fitting Rev. Counter.</i>
<i>N7267</i>	<i>Driving Pin for Rev. Counter</i>	<i>1</i>	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>1/4" dia x 1/2" long</i>	<i>Required only when fitting Rev. Counter.</i>
<i>N7268</i>	<i>Rev. Counter Cable Housing</i>	<i>1</i>	<i>Aluminium</i>	<i>Casting</i>	<i>Patt. No. N7268</i>	<i>Required only when fitting Rev. Counter. This replaces N7131 page 25.</i>
<i>N7093</i>	<i>Starting Handle</i>	<i>1</i>	<i>Mild Steel</i>	<i>Stamping</i>	<i>Die No. N7093</i>	
<i>N5343</i>	<i>Starting Handle Pin</i>	<i>1</i>	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>3/4" dia x 5" long</i>	
<i>N5344</i>	<i>Starting Handle Tube</i>	<i>1</i>	<i>Brass Tube</i>	<i>Tube</i>	<i>3/4" o/dia x 13 S.W.G. x 3 7/8" long</i>	
<i>28 - 13</i>	<i>Plain Washer 5/16" dia</i>	<i>1</i>			<i>3/4" dia x 1/16" thick</i>	
<i>N7021</i>	<i>Bush for Timing Gear</i>	<i>3</i>	<i>Phos. Bronze</i>	<i>Cast Bar</i>	<i>1 1/2" dia x 1 1/8" long</i>	
	<i>Grub Screw for Retaining Nut</i>	<i>3</i>			<i>2 BA x 3/8" long</i>	
<i>N7323</i>	<i>Plug for Timing Gear Spindle</i>	<i>3</i>	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>1 1/4" dia x 5/8" long</i>	<i>This replaces N6642, page 9.</i>
<i>N7322</i>	<i>Gudgeon Pin</i>	<i>4</i>	<i>Man. C.H. Steel</i>	<i>Bar</i>	<i>7/8" dia x 2 1/2" long</i>	<i>This replaces N6373 page 9.</i>
<i>N7324</i>	<i>Spring Ring for Gudgeon Pin</i>	<i>8</i>			<i>21.1 m/m dia x 1 m/m width</i>	<i>B.O. This replaces N6374, page 9.</i>

<b>Drawing No.</b>	<b>Description</b>	<b>No.</b>	<b>Material</b>	<b>Specification</b>		<b>Remarks</b>
<i>N7360</i>	<i>Rocking Tube for Ignition Levers</i>	<i>1</i>	<i>Mild Tube Hard</i>	<i>Tube</i>	<i>7/16" o/dia x 16 S.W.G. x 33 3/8" long</i>	
<i>N7361</i>	<i>Front Bracket for Rocking Tube</i>	<i>1</i>	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>3/4" dia x 3" long</i>	
<i>N7362</i>	<i>Rear Bracket for Rocking Tube</i>	<i>1</i>	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>3/4" dia x 3 1/4" long</i>	
<i>1 - 3/8"</i>	<i>Nut for Brackets</i>	<i>2</i>				
<i>3/8" dia</i>	<i>Spring Washer</i>	<i>2</i>				
<i>N2039</i>	<i>Ignition Lever on Rocking Tube (long)</i>	<i>1</i>	<i>Med. Car. Steel</i>	<i>Stamping</i>	<i>Die No. N2039</i>	
<i>N7359</i>	<i>Sleeve for Rocking Tube</i>	<i>1</i>	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>9/16" dia x 1/2" long</i>	
	<i>Taper Pin for Lever and Sleeve</i>	<i>2</i>	<i>Steel</i>		<i>No.0 x 7/8" long</i>	
<i>N7363</i>	<i>Ignition Lever on Rocking Tube (short)</i>	<i>1</i>	<i>Mild Steel</i>	<i>Stamping</i>	<i>Die No. N1756</i>	
	<i>Ball Joint for Ignition Control</i>	<i>4</i>			<i>2 BA x 2 BA</i>	<i>B.O.</i>
<i>1 - 2 B.A.</i>	<i>Nut for Ball Joint</i>	<i>4</i>				
<i>3/16" dia</i>	<i>Spring Washer</i>	<i>4</i>				
<i>N2671</i>	<i>Adjusting Rod for Ball Joints (short)</i>	<i>1</i>	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>3/16" dia x 2 3/8" long</i>	
<i>N7340</i>	<i>Adjusting Rod for Ball Joints (long)</i>	<i>1</i>	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>3/16" dia x 7 1/2" long</i>	