
Alvis Parts Specification Lists

List No.: **335**

Component: **Engine 8 Cyl.**

Type: **FA 8/15**

Component: *Engine 8 Cyl.*Type : *FA 8/15*

List No. 335

Date: 28/11/1928

Page No: 1

Drawing No.	Description	No.	Material	Specification	Remarks
N7864	Crankcase	1	Aluminium	Casting Patt. No. N7864	For Ulster cars, this is replaced by N8550 on page 33.
N7875	Crankcase	1	Aluminium	Casting Patt. No. N7875	For experimental purposes only.
N7950	Crankcase Bottom Cover	1	Aluminium	Casting Patt. No. N7950	For Ulster cars, this is replaced by N8551 on page 33.
5 - 5/16" - 7/8"	Stud for Bottom Cover	22			
1 - 5/16"	Nut for above Stud	22			
5/16" dia	Spring Washer	22			
	Drain Plug for Bottom Cover	1	Brass	3/4" gas. Roth. No.6	B.O.
N7952	Baffle for Crankcase	1	Aluminium	Casting Patt. No. N7952	
5 - 1/4" - 3/4"	Stud for Baffle	8			
1 - 1/4"	Nut for above Stud	8			
1/4" dia	Spring Washer	8			
N7562	Frame for Oil Strainer	1	Brass	Strip 3/8" wide x 16 S.W.G. x 30" long	
	Oil Strainer Gauze	1	Brass Gauze	5 3/4" wide x 40 mesh x 9 3/8" long	
7 - 2 B.A. - 1/2"	Cheese-head Screw for Strainer	10			
3/16" dia	Spring Washer	10			

Component: *Engine 8 Cyl.*

Type : *FA 8/15*

List No. 335

Date: 28/11/1928

Page No: 2

Drawing No.	Description	No.	Material	Specification		Remarks
<i>N7872</i>	<i>Timing Case Cover</i>	<i>1</i>	<i>Aluminium</i>	<i> Casting</i>	<i>Patt. No. N7872</i>	
<i>5 - 1/4" - 2 1/4"</i>	<i>Stud for Timing Cover</i>	<i>1</i>				
<i>5 - 1/4" - 1"</i>	<i>Stud for Timing Cover</i>	<i>1</i>				
<i>5 - 1/4" - 7/8"</i>	<i>Stud for Timing Cover</i>	<i>2</i>				
<i>5 - 1/4" - 5/8"</i>	<i>Stud for Timing Cover</i>	<i>2</i>				
<i>1 - 1/4"</i>	<i>Nut for above Studs</i>	<i>6</i>				
<i>1/4" dia</i>	<i>Spring Washer</i>	<i>6</i>				
<i>N6134</i>	<i>Dowell for Timing Cover</i>	<i>2</i>	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>5/16" dia x 1 1/8" long</i>	
<i>4 - 5/16" - 2 7/8"</i>	<i>Bolt for Timing Cover</i>	<i>3</i>				
<i>5/16" dia</i>	<i>Spring Washer</i>	<i>3</i>				

Component: Engine 8 Cyl.

Type : FA 8/15

List No. 335

Date: 28/11/1928

Page No: 3

Drawing No.	Description	No.	Material	Specification	Remarks	
N7877	Cover for Crankcase		Aluminium	Casting	Patt. No. N7877	Cancelled by N8482.
5 - 5/16" - 1"	Stud for above Cover	10				
1 - 5/16"	Nut for above Stud	10				
5/16" dia	Spring Washer	10				
N2763	Dowel for Crankcase Cover	2	Bright Bolt Steel	Bar	5/16" dia x 1 5/16" long	
4 - 5/16" - 1 1/8"	Bolt for Crankcase Cover	2				
4 - 5/16" - 1"	Bolt for Crankcase Cover	2				
5/16" dia	Spring Washer	4				
N8482	Cover for Crankcase	1	Aluminium	Casting	Patt. No. N7877	This replaces N7877.
	Dynamo-Starter	1			Rotax DM7. Anticlockwise, looking at Starting Handle end.	B.O. Complete with external type resistance mounted on machine.
5 - 3/8" - 1"	Stud for Dynamo-Starter	6				
1 - 3/8"	Nut for above Stud	6				
3/8" dia	Spring Washer	6				

Component: *Engine 8 Cyl.*

Type : *FA 8/15*

List No. 335

Date: 28/11/1928

Page No: 4

Drawing No.	Description	No.	Material	Specification		Remarks
N7752	Crankshaft	1	Man. C.H. Steel			B.O. For Ulster Cars, this was replaced by 5 piece assembly N8344-8 on page 33.
	Roller Bearing for Crankshaft (front)	1		45 x 85 x 19 Hoffman R145		B.O.
N5813	Housing for Roller Bearing	1	Mild Steel	Stamping	Die No. N5813	First sets to be forged.
N5814	Retaining Flange for above Housing	1	Aluminium	Casting	Patt. No. N5814	
5 - 1/4" - 5/8"	Stud for Flange & Housing	6				
2 - 1/4"	Nut for above Stud	6				
1/16" dia	Split Pin	6	Steel		1/16" dia x 5/8" long	
N7967	Oil Retainer for Roller Bearing	1	Bright Mild Bar	Bar	3" dia x 1/4" long	
	Ball Bearing for Crankshaft	1			45 x 100 x 25 Hoffman No.345	B.O.
N5812	Housing for Ball Bearing	1	Med. Car. Steel	Stamping	Die No. N6571	First sets to be forged.
N5815	Retaining Flange for above Housing	1	Aluminium	Casting	Patt. No. N5815	
5* - 5/16" - 5/8"	Stud for Flange & Housing	6				
2 - 5/16"	Nut for above Stud	6				
1/16" dia	Split Pin	6	Steel		1/16" dia x 3/4" long	
N7968	Oil Retainer for Ball Bearing	1	Black Mild Bar	Bar	3 1/2" dia x 1/4" long	
N7966	Dowel for Oil Retainers	2	Bright Bolt Steel	Bar	1/4" dia x 1/2" long	
		0				

Component: *Engine 8 Cyl.*Type : *FA 8/15*List No. *335*Date: *28/11/1928*Page No: *5*

Drawing No.	Description	No.	Material	Specification		Remarks
<i>N7960</i>	<i>Intermediate Bearing - top half</i>	<i>3</i>	<i>Gunmetal</i>	<i>Casting</i>	<i>Patt. No. N7960</i>	<i>To be white-metalled.</i>
<i>N7961</i>	<i>Intermediate Bearing - bottom half</i>	<i>3</i>	<i>Gunmetal</i>	<i>Casting</i>	<i>Patt. No. N7961</i>	<i>To be white-metalled.</i>
<i>N7962</i>	<i>Dowel for Intermediate Bearings</i>	<i>3</i>	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>1/2" dia x 3/4" long</i>	
<i>N7965</i>	<i>Front Bearing Cap</i>	<i>1</i>	<i>Aluminium</i>	<i>Casting</i>	<i>Patt. No. N7965</i>	
<i>N7964</i>	<i>Intermediate Bearing Cap</i>	<i>3</i>	<i>Aluminium</i>	<i>Casting</i>	<i>Patt. No. N7964</i>	
<i>N5830</i>	<i>Rear Bearing Cap</i>	<i>1</i>	<i>Aluminium</i>	<i>Casting</i>	<i>Patt. No. N5830</i>	
<i>N5837</i>	<i>Stud for Bearing Cap and Cylinder Block (small)</i>	<i>8</i>	<i>Nic. Chrome Bar</i>	<i>Bar</i>	<i>3/4" dia x 10" long</i>	
<i>N5838</i>	<i>Stud for Bearing Cap and Cylinder Block (rear)</i>	<i>2</i>	<i>Nic. Chrome Bar</i>	<i>Bar</i>	<i>7/8" dia x 10 1/4" long</i>	
<i>2 - 1/2"</i>	<i>Nut for Bearing Cap</i>	<i>8</i>				
<i>28-27</i>	<i>Plain Washer 1/2" dia</i>	<i>8</i>			<i>1 1/8" dia x 3/32" thick</i>	
<i>3/32" dia</i>	<i>Split Pin</i>	<i>8</i>	<i>Steel</i>		<i>3/32" dia x 1 1/8" long</i>	
<i>2 - 5/8"</i>	<i>Nut for Rear Bearing Cap</i>	<i>2</i>				
<i>28-31</i>	<i>Plain Washer 5/8" dia</i>	<i>2</i>			<i>1 1/4" dia x 1/8" thick</i>	
<i>1/8" dia</i>	<i>Split Pin</i>	<i>2</i>	<i>Steel</i>		<i>1/8" dia x 1 3/8" long</i>	
<i>1 - 7/16"</i>	<i>Nut for holding down Cylinder Block</i>	<i>10</i>				
<i>7/16" dia</i>	<i>Spring Washer</i>	<i>10</i>				
	<i>Dowel for Bearing Cap Stud</i>	<i>10</i>	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>1/8" dia x 5/16" long</i>	<i>Made by fitter.</i>

Drawing No.	Description	No.	Material	Specification	Remarks
N7958	Crankshaft Oil Pipe	4	Med. Car. Tube Soft	Tube 1/4" o/dia x 21 S.W.G. x 2 3/8" long	These parts not required on Ulster cars. See page 34.
N7959	Crankshaft Oil Pipe Boss		Mild Steel	Stamping Die No. N7959	First sets forged here. Cancelled by N8301.
N7957	Bolt for Crankshaft Oil Pipe	4	Nic. Chrome Bar	Bar 3/8" dia x 5 1/4" long	These parts not required on Ulster cars. See page 34.
2 - 1/4"	Nut for above Bolt	8			These parts not required on Ulster cars. See page 34.
1/16" dia	Split Pin	8	Steel	1/16" dia x 5/8" long	These parts not required on Ulster cars. See page 34.
N5816	Nut for Crankshaft (front)	1	Bright Mild Bar	Bar 2 5/8" dia x 3/4" long	
N5817	Lock Nut for Crankshaft	1	Bright Mild Bar	Hex. Bar 1.850"/1.860" x 1/2" long	
N5818	Tab Washer for Crankshaft Nuts	1	Mild Sheet	Pressing 2 3/4" wide x 16 S.W.G. x 2 1/4" long	
N7955	Sleeve for Crankshaft		Mild Tube Hard	Tube 1 7/8" dia x 2 S.W.G. x 1 1/4" long	Cancelled by N8465 on page 32.
N8301	Crankshaft Oil Pipe Boss	8	Mild Steel	Stamping Die No. N8301	This replaces N7959. First six sets made from Bar. These parts not required on Ulster cars. See page 34.
N7954	Oil Pump Body (high press.)	1	Aluminium	Casting Patt. No. N7954	
N7989	Dowel for Oil Pump Body	2	Bright Bolt Steel	Bar 3/8" dia x 3/4" long	For Ulster cars, replaced by N8554 on page 34.
5 - 5/16" - 3/4"	Stud for Oil Pump Body	4			
2 - 5/16"	Nut for above Stud	4			
1/16" dia	Split Pin	4	Steel	1/16" dia x 3/4" long	

Component: *Engine 8 Cyl.*

Type : *FA 8/15*

List No. 335

Date: 28/11/1928

Page No: 7

Drawing No.	Description	No.	Material	Specification	Remarks
N7969	<i>Oil Pump Body (low pressure)</i>	1	<i>Aluminium</i>	<i>Casting</i>	<i>Patt. No. N7969</i>
N7970	<i>Cover for Oil Pump Body</i>	1	<i>Aluminium</i>	<i>Casting</i>	<i>Patt. No. N7970</i>
4 - 1/4" - 2"	<i>Bolt for Oil Pump Bodies</i>	6			
4 - 1/4" - 2 1/4"	<i>Bolt for Oil Pump Bodies</i>	2			
2 - 1/4"	<i>Nut for above Bolts</i>	7			
1/16" dia	<i>Split Pin</i>	7	<i>Steel</i>	<i>1/16" dia x 5/8" long</i>	
N7953	<i>Oil Suction Pipe</i>	1	<i>Gunmetal</i>	<i>Casting</i>	<i>Patt. No. N7953</i>
					<i>For Ulster cars, replaced by N8556 on page 34.</i>
5 - 1/4" - 1 3/8"	<i>Stud for Suction Pipe</i>	2			
2 - 1/4"	<i>Nut for above Stud</i>	2			
1/16" dia	<i>Split Pin</i>	2	<i>Steel</i>	<i>1/16" dia x 5/8" long</i>	
4 - 1/4" - 7/8"	<i>Bolt for Suction Pipe</i>	2			
1/4" dia	<i>Spring Washer</i>	2			
	<i>Wire for above Bolts</i>	1	<i>Soft Iron Wire</i>	<i>18 S.W.G. x 12" long</i>	
N7991	<i>Joint Washer for Suction Pipe</i>	1	<i>Unglazed Paper</i>	<i>Pressing</i>	<i>.01" thick</i>

Drawing No.	Description	No.	Material	Specification		Remarks
N7977	<i>Oil Pump Shaft</i>	1	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>7/8" dia x 5 3/8" long</i>	
N7978	<i>Oil Pump Driving Wheel</i>	1	<i>Med. Car. Steel</i>	<i>Stamping</i>	<i>Die No. N7978</i>	<i>First sets to be forged. For Ulster cars, replaced by N8553 on page 34.</i>
	<i>Key for Driving Wheel</i>	1			<i>Woodruff No. 2</i>	
<i>2 - 3/8"</i>	<i>Nut for Driving Wheel</i>	1				
<i>28-17</i>	<i>Plain Washer 3/8" dia</i>	1			<i>7/8" dia x 1/16" thick</i>	
<i>1/16" dia</i>	<i>Split Pin</i>	1	<i>Steel</i>		<i>1/16" dia x 3/4" long</i>	
N7984	<i>Oil Pump Pinion (high pressure)</i>	1	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>1 1/2" dia x 3/4" long</i>	
N7983	<i>Oil Pump Pinion (low pressure)</i>	1	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>1 1/2" dia x 3/4" long</i>	
	<i>Key for Oil Pump Pinions</i>	2			<i>Woodruff No. 2</i>	
N7982	<i>Oil Pump Pinion</i>	2	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>1 1/2" dia x 3/4" long</i>	
N7963	<i>Cap for Oil Pipe Bracket</i>	3	<i>Aluminium</i>	<i>Casting</i>	<i>Patt. No. N7963</i>	
<i>5 - 1/4" - 3/4"</i>	<i>Stud for above Cap</i>	6				
<i>2 - 1/4"</i>	<i>Nut for above Stud</i>	6				
<i>28-7</i>	<i>Plain Washer 1/4" dia</i>	6			<i>5/8" dia x 1/16" thick</i>	
<i>1/16" dia</i>	<i>Split Pin</i>	6	<i>Steel</i>		<i>1/16" dia x 3/4" long</i>	

Drawing No.	Description	No.	Material	Specification		Remarks
N7972	Main Oil Pipe	1	Med. Car. Tube Soft	Tube	5/8" o/dia x 16 S.W.G. x 16 5/8" long	For Ulster cars, replaced by N8557 on page 34.
N7973	Connecting Pipe for Main Oil Pipe	1	Cast Steel	Casting	Patt. No. N7973	For Ulster cars, replaced by N8558 on page 34.
N7996	Flange for Main Oil Pipe	2	Mild Steel	Stamping	Die No. N7996	First sets in Cast Steel
N7974	Oil Feed Pipe (high pressure)	1	Med. Car. Tube Soft	Tube	5/8" o/dia x 16 S.W.G. x 14 1/4" long	
N7976	Connecting Pipe for Oil Feed	1	Cast Steel	Casting	Patt. No. N7976	
N7975	Elbow for Release Valve (high pressure)	1	Cast Steel	Casting	Patt. No. N7975	
5 - 1/4" - 1 3/8"	Stud for above Elbow	2				
2 - 1/4"	Nut for above Stud	2				
1/16" dia	Split Pin	2	Steel		1/16" dia x 5/8" long	
N7951	Oil Release Valve Body	1	Aluminium	Casting	Patt. No. N7951	
5* - 5/16" - 5/8"	Stud for Release Valve Body	4				
1 - 5/16"	Nut for above Stud	4				
5/16" dia	Spring Washer	4				
N8027	Plug for Release Valve Body	4	Drawn Aluminium	Bar	3/8" dia x 7/16" long	Replaces N8028.
N8028	Plug for Release Valve Body	4	Drawn Aluminium	Bar	5/16" dia x 7/16" long	Cancelled by N8027.

Component: *Engine 8 Cyl.*Type : *FA 8/15*

List No. 335

Date: 28/11/1928

Page No: 10

Drawing No.	Description	No.	Material	Specification	Remarks	
N7980	<i>Oil Release Valve</i>	2	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>13/16" dia x 1 1/8" long</i>	
N7979	<i>Spring for Release Valve</i>	2	<i>Car. Coil Spring</i>			<i>B.O.</i>
N7981	<i>Adj. Piece for Release Valve</i>	2	<i>Drawn Brass</i>	<i>Hex. Bar</i>	<i>1.092"/1.100" x 1 5/8" long</i>	
N5076	<i>Lock Nut for Adjusting Piece</i>	2	<i>Bright Bolt Steel</i>	<i>Hex. Bar</i>	<i>1.092"/1.100" x 5/16" long</i>	
N8396	<i>Washer for Release Valve Spring</i>	2	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>5/8" dia x 1/4" long</i>	
6 - 1/4" - 3/4"	<i>Set Screw for Release Valve</i>	2				
1 - 1/4"	<i>Lock Nut for Set Screw</i>	2				
11-4	<i>Union for Oil Pipe to Gauge (low pressure)</i>	1	<i>Brass</i>			<i>B.O.</i>
N	<i>Oil Pipe to Gauge (low pressure)</i>	1	<i>Copper</i>	<i>Tube</i>	<i>1/4" o/dia x 18 S.W.G. x long</i>	
10-3	<i>Nut for above Oil Pipe</i>	2	<i>Brass</i>			<i>B.O.</i>
N8148	<i>Union for Oil Pipe to Oil Distributor</i>	1	<i>Drawn Brass</i>	<i>Hex. Bar</i>	<i>.915"/.920" x 1 3/4" long</i>	
N	<i>Oil Pipe to Distributor</i>	1	<i>Copper</i>	<i>Tube</i>	<i>1/2" o/dia x 16 S.W.G. x long</i>	
N5000	<i>Nut for above Oil Pipe</i>	2	<i>Drawn Brass</i>	<i>Hex. Bar</i>	<i>1.002"/1.010" x 1 5/16" long</i>	

Drawing No.	Description	No.	Material	Specification	Remarks
N7824	Connecting Rod	8	Man. C.H. Steel	Stamping Die No. N7824	For Ulster cars, this is replaced by N8343 on page 33.
N7956	Bolt for Connecting Rod - big end		Nic. Chrome Bar	Bar 5/8" dia x 2 1/4" long	Cancelled by N8187.
3 - 5/16"	Nut for above Bolt				Cancelled by Special Nut.
1/16" dia	Split Pin	16	Steel	1/16" dia x 3/4" long	
N5841	Roller for Connecting Rod	360			B.O. For Ulster cars, this is replaced by N7171 on page 33.
N7990	Gudgeon Pin	8	Man. C.H. Steel	Bar 7/8" dia x 2" long	
N7324	Spring Ring for Gudgeon Pin	16		21.1 dia x 1m/m wide	B.O.
N7826	Piston (for 55m/m bore) 6.45-1	8	Aluminium L8 Alloy	Casting Patt. No. N7826	Alternative to N7997 and N8288, and NN13387.
N7998	Piston Ring (55 m/m bore)	24		55 dia x 1.5 wide	B.O.
	Scrapper Ring			Radial Slotted. 55 dia x 1/8" wide x .080" thick	B.O. Cancelled by N8222.
N7997	Piston (for 55m/m bore) 6-1	8	Aluminium L8 Alloy	Casting Patt. No. N7997	Alternative to N7826 and N8288, and N13387
N8288	Piston (for 55m/m bore) 7.5-1	8	Aluminium Y Alloy	Casting Patt. No. N8288	Alternative to N7826 and N7997, and N13387
N8187	Bolt for Connecting Rod - big end	16	Nic. Chrome Bar	Bar 5/8" dia x 2 1/4" long	B.O. This replaces N7956. For Ulster cars, it is replaced by N7227 on page 33.
	Nut for Connecting Rod Bolt	16		As 3-5/16", but 9m/m dia x 1m/m pitch	B.O. This replaces 3-5/16" Nut.
N8222	Scrapper Ring	8		55 dia x 1/8" wide x 0.080" thick	B.O.
N13387	Piston (for 55m/m bore) 8.5-1	8	Aluminium Y Alloy	Casting Patt. No. N8288	Alternative to N7826, N7997 and N8288.

Component: *Engine 8 Cyl.***Type :** *FA 8/15***List No.** 335**Date:** 28/11/1928**Page No:** 12

Drawing No.	Description	No.	Material	Specification		Remarks
N7825	<i>Cylinder Block</i>	1	<i>Cast Iron</i>	<i> Casting</i>	<i>Patt. No. N7825</i>	<i>For Ulster cars, replaced by N8552 on page 34.</i>
N8026	<i>Core Plug for Cylinder Block</i>	4	<i>Aluminium</i>	<i>Cast Bar</i>	<i>1 1/4" dia x 3/4" long</i>	
N6142	<i>Core Plug for Water Jacket</i>	1	<i>Aluminium</i>	<i>Cast Bar</i>	<i>1 5/8" dia x 1 1/2" long</i>	
N5869	<i>Cover Plate for Cylinder Block</i>	4	<i>Aluminium Sheet</i>	<i>Pressing</i>	<i>4 3/4" x 1 7/8" x 10 S.W.G.</i>	
N5867	<i>Joint Washer for Cover Plate</i>	4	<i>Cork</i>	<i>Pressing</i>	<i>1.5m/m thick</i>	<i>B.O.</i>
<i>5 - 2 B.A. - 1/2"</i>	<i>Stud for Cover Plate</i>	32				
<i>1 - 2 B.A.</i>	<i>Nut for above Stud</i>	32				
<i>3/16" dia</i>	<i>Spring Washer</i>	32				
N6141	<i>Water Outlet Pipe for Cylinder Block</i>	1	<i>Weldless Steel Tube</i>	<i>Tube</i>	<i>1 5/16" o/dia x 14 S.W.G. x 3 1/2" long</i>	

Drawing No.	Description	No.	Material	Specification	Remarks	
	Note: pages 13-15 superseded by pages 35-37 on 03/04/1929					
N7985	Supercharger Casing	1	Aluminium	Casting	Patt. No. N7985	Replaced by N8203 on page 35.
N7988	Supercharger Front Housing	1	Cast Steel	Casting	Patt. No. N7988	
N7986	Supercharger Rear Housing	1	Cast Steel	Casting	Patt. No. N7986	
9 - 1/4" - 5/8"	C/sk. Screw for above Housings	4				
N8025	Dowel for above Housings	4	Bright Bolt Steel	Bar	3/8" dia x 7/8" long	
N7987	Supercharger Rear Cover	1	Aluminium	Casting	Patt. No. N7987	
5 - 5/16" - 1 1/8"	Stud for Rear Housing & Cover	1				
N8071	Stud for Supercharger (short)	4	Bright Bolt Steel	Bar	5/16" dia x 10 1/8" long	See also N8072 on page 14.
1 - 5/16"	Nut for above Studs	11				
5/16" dia	Spring Washer	6				
N8082	Rotor for Supercharger - top	1	Nic. Chrome Steel	Stamping	Die No. N6654	Replaced by N8205 on page 35.
N8081	Rotor for Supercharger - bottom	1	Nic. Chrome Steel	Stamping	Die No. N6654	Replaced by N8204 on page 35.
N6661	Distance Piece for Rotor - rear	2	Bright Bolt Steel	Bar	1 1/4" dia x 3/8" long	
	Ball Bearing for Rotor - rear	2			20 x 47 x 14 Hoffman No. 120	B.O.
N8175	Washer for Rotor - rear	2	Bright Mild Bar	Bar	1 7/8" dia x 3/8" long	
2 - 3/8"	Nut for Rotor - rear	2				
1/16" dia	Split Pin	2	Steel		1/16" dia x 3/4" long	

Drawing No.	Description	No.	Material	Specification	Remarks
N6660	Cover for Ball Race - rear	2	Aluminium Sheet	Pressing 2 3/4" wide x 10 S.W.G. x 2 3/4" long	
5* - 2 B.A. - 3/8"	Stud for above Cover	6			
2 - 2 B.A.	Nut for above Stud	6			
1/16" dia	Split Pin	6	Steel	1/16" dia x 5/8" long	
	Ball Bearing for Rotor - front top	1		20 x 47 x 14 Hoffman No. 120	B.O.
	Ball Bearing for Rotor - front bottom	1		25 x 52 x 15 Hoffman No 125	B.O.
N6667	Gear Wheel for Bottom Rotor	1	Poldi Boz	Bar 2 5/8" dia x 1" long	
	Key for above Wheel	1		Woodruff No. 6	
N6668	Gear Wheel for Top Rotor	1	Poldi Boz	Bar 2 5/8" dia x 3/4" long	
N6669	Carrier for Top Gear Wheel	1	Bright Bolt Steel	Bar 2" dia x 1 1/2" long	
	Key for above Carrier	1	Key Steel	3/16" x 3/16" x 1" long	
5 - 1/4" - 5/8"	Stud for Top Gear Wheel	2			
2 - 1/4"	Nut for above Stud	2			
1/16" dia	Split Pin	2	Steel	1/16" dia x 5/8" long	
4 - 1/4" - 3/4"	Bolt for Top Gear Wheel	4			
N7429	Tab Washer for above Bolt	2	Mild Sheet	Pressing 20 S.W.G.	
N8072	Stud for Supercharger (long)	1	Bright Bolt Steel	Bar 5/16" dia x 10 7/8" long	See also N8071 on page 13.

Component: *Engine 8 Cyl.*

Type : *FA 8/15*

List No. 335

Date: 28/11/1928

Page No: 15

Drawing No.	Description	No.	Material	Specification	Remarks
2 - 3/8"	Nut for Rotor - front end	2			
N6761	Plain Washer 3/8" dia	2	Bright Bolt Steel	Bar	1" dia x 1/4" long
1/16" dia	Split Pin	2	Steel		1/16" dia x 3/4" long
	Plug for Supercharger Rear Cover	2	Brass		1/4" gas. Roth. No. 2 B.O.
N8039	Driving Wheel for Supercharger	1	B.N.D. Steel	Stamping	Die No. N8039
N8040	Pin for Driving Wheel	1	Bright Bolt Steel	Bar	1" dia x 2 7/8" long
	Key for Driving Wheel	1	Key Steel		3/16" x 3/16" x 15/16" long
	Nut for Driving Wheel	1			As 2-5/8" 3/8" thick
1/8" dia	Split Pin	1	Steel		1/8" dia x 1 3/8" long
	Ball Bearing for Driving Shaft	2			20 x 47 x 14 Hoffman No. 120 B.O.
N8041	Housing for above Ball Bearing	1	Bright Mild Bar	Bar	2 1/4" dia x 7/8" long
N8042	Retaining Cover for Supercharger	1	Aluminium	Casting	Patt. No. N8042
9 - 2 B.A. - 1/2"	C/sk. Screw for above Cover	3			

Drawing No.	Description	No.	Material	Specification	Remarks	
N5935	Crankshaft Pinion & Driving Flange	1	B.N.D. Steel	Stamping	Die No. N5935	First sets to be forged.
	Key for above	1	Key Steel		5/16" x 5/16" x 2" long	
N4969	Nut for Crankshaft Pinion	1	Bright Mild Bar	Bar	2 1/4" dia x 3/4" long	
5/32" dia	Split Pin	1	Steel		5/32" dia x 1 3/4" long	
N6069	Split Cover for Crankcase (top half)	1	Aluminium	Casting	Patt. No. N6069	
N6070	Split Cover for Crankcase (bottom half)	1	Aluminium	Casting	Patt. No. N6070	
4 - 2 B.A. - 1 3/4"	Bolt for above Covers	2				
3/16" dia	Spring Washer	2				
4 - 5/16" - 7/8"	Bolt for above Covers to Crankcase	8				
5/16" dia	Spring Washer	8				
N8455	Clutch Housing	1	.5 Carbon Steel	Stamping	Die No. N8455	This replaces N6077 on page 17. First sets to be forged.
N8463	Clutch Ring	1	Cast Iron	Casting	Patt. No. N6071	This replaces N6071 on page 17.
N8399	Fabric Clutch Disc	8	Brass Woven Ferobestos	Die Pressing	1/8" thick	This replaces N6073 on page 17.
N8397	Intermediate Clutch Plate	3	Saw Steel	Plate	1/16" thick	B.O.
N8487	Bolt for Clutch Housing	8	Nic Chrome Bar	Hex. Bar	.520"/.525" x 3 5/8" long	This replaces N6127 on page 17.

Drawing No.	Description	No.	Material	Specification	Remarks
N6071	Clutch Ring		Cast Iron	Casting Patt. No. N6071	Cancelled by N8463 on page 16.
N6122	Centre Piece for Clutch Ring	1	Man. C.H. Steel	Bar 1 5/8" dia x 7/8" long	
N6072	Centre Cone for Clutch Ring	1	Man. C.H. Steel	Bar 1 1/8" dia x 5/8" long	
	Ball for Centre Cone	10		Hoffman Steel Ball 1/4" dia	B.O.
N6076	Retaining Disc for Centre Cone	1	Mild Sheet	Pressing 2 3/4" x 2 3/4" x 16 S.W.G.	
7 - 2 B.A. - 1/2"	Cheese-head Screw for above	6			
3/16" dia	Spring Washer	6			
N6077	Clutch Housing		Mild Steel	Stamping Die No. N6077	First sets to be forged. Cancelled by N8455 on page 16.
N6074	Clutch Plate	4	Saw Steel	Plate 1/16" thick	B.O.
N6073	Fabric Clutch Disc		Ferobestos	Die Pressing 7 5/8" o/dia x 5 3/8" i/dia x 1/8" thick	Cancelled by N8399 on page 16.
N6075	Rear Cover for Clutch Ring	1	Mild Steel	Stamping Die No. N6075	First sets to be forged.
N6127	Bolt for Clutch Housing		Nic. Chrome Bar	Hex. Bar .520"/.525" x 3 1/8" long	Cancelled by N8487 on page 16.
2 - 5/16"	Nut for above Bolt	8			
1/16" dia	Split Pin	8	Steel	1/16" dia x 3/4" long	
N5084	Clutch Spring	12	Car. Coil Spring		B.O.
N5093	Cup for Clutch Spring	12	Bright Bolt Steel	Bar 1 1/8" dia x 1 1/16" long	

Drawing No.	Description	No.	Material	Specification		Remarks
<i>N5873</i>	<i>Intermediate Gear</i>	<i>1</i>	<i>B.N.D. Steel</i>	<i>Stamping</i>	<i>Die No. N5873</i>	<i>First sets to be forged.</i>
<i>N8060</i>	<i>Pin for Intermediate Gear</i>	<i>1</i>	<i>Bright Bolt Steel</i>	<i>Hex. Bar</i>	<i>1.002"/1.010" x 2 1/2" long</i>	
	<i>Key for Intermediate Gear</i>	<i>1</i>			<i>Woodruff No. 5</i>	
<i>2 - 1/2"</i>	<i>Nut for above Pin</i>					<i>Cancelled by N5852/3 on this page.</i>
<i>28-26</i>	<i>Plain Washer 1/2" dia</i>				<i>1 1/8" dia x 1/16" thick</i>	<i>Cancelled by N5852/3 on this page.</i>
<i>3/32" dia</i>	<i>Split Pin</i>		<i>Steel</i>		<i>3/32" dia x 1 1/8" long</i>	<i>Cancelled by N5852/3 on this page.</i>
<i>N5855</i>	<i>Distance Piece for Intermediate Gear</i>	<i>1</i>	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>1 1/8" dia x 3/8" long</i>	
	<i>Ball Bearing for Intermediate Gear</i>	<i>2</i>			<i>20 x 52 x 15 Hoffman No. 320</i>	<i>B.O.</i>
<i>N6136</i>	<i>Inside Cover for Ball Bearing</i>	<i>1</i>	<i>Mild Sheet</i>	<i>Pressing</i>	<i>3 1/4" x 3 1/4" x 21 S.W.G.</i>	
<i>9 - 1/4" - 1/2"</i>	<i>C/sk. Screw for Inside Cover</i>	<i>4</i>				
<i>N8058</i>	<i>Housing for Outer Ball Bearing</i>	<i>1</i>	<i>Black Mild Bar</i>	<i>Bar</i>	<i>3 1/2" dia x 1 1/4" long</i>	
<i>N8059</i>	<i>Cover for Outer Ball Bearing</i>	<i>1</i>	<i>Aluminium</i>	<i>Casting</i>	<i>Patt. No. N8059</i>	
<i>5 - 1/4" - 5/8"</i>	<i>Stud for Housing & Cover</i>	<i>4</i>				
<i>1 - 1/4"</i>	<i>Nut for above Stud</i>	<i>4</i>				
<i>1/4" dia</i>	<i>Spring Washer</i>	<i>4</i>				
<i>N5852</i>	<i>Locking Screw for Intermediate Gear</i>	<i>1</i>	<i>Bright Bolt Steel</i>	<i>Hex. Bar</i>	<i>1.002"/1.010" x 1 1/8" long</i>	<i>This replaces split pinned 2-1/2" Nut on this page.</i>
<i>N5853</i>	<i>Tab Washer for Locking Screw</i>	<i>1</i>	<i>Mild Sheet</i>	<i>Pressing</i>	<i>21 S.W.G.</i>	<i>This replaces split pinned 2-1/2" Nut on this page.</i>

Drawing No.	Description	No.	Material	Specification		Remarks
N5819	<i>Screwed Ring on Crankshaft (rear)</i>	1	<i>Bright Mild Bar</i>	<i>Bar</i>	<i>2 3/8" dia x 7/8" long</i>	
N5820	<i>Locking Ring on Crankshaft (rear)</i>	1	<i>Bright Mild Bar</i>	<i>Bar</i>	<i>2 3/4" dia x 7/8" long</i>	
N5821	<i>Spring Ring for Locking Ring</i>	1	<i>Car. Coil Spring</i>			<i>B.O.</i>
N5822	<i>Dowel for Screwed Ring</i>	2	<i>Key Steel</i>		<i>1/8" dia x 1/2" long</i>	
N5881	<i>Valve - Inlet & Exhaust</i>	16	<i>K.E. 965</i>			<i>B.O. K.E. = Kayser Ellison</i>
N5882	<i>Valve Guide</i>	16	<i>Phos. Bronze</i>	<i>Cast Bar</i>	<i>1 1/8" dia x 3" long</i>	
N4974	<i>Valve Spring Cup</i>	16	<i>50 Ton Alloy Bar</i>	<i>Bar</i>	<i>1 1/4" dia x 9/16" long</i>	
N4950	<i>Valve Spring (outside)</i>	16	<i>Alloy Spring Steel</i>			<i>B.O.</i>
N5296	<i>Valve Spring (inside)</i>	16	<i>Alloy Spring Steel</i>			<i>B.O.</i>
N3111	<i>Valve Spring Split Collar</i>	16	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>1/2" dia x 1/2" long</i>	
N5899	<i>Valve Tappet</i>		<i>Man. C.H. Steel</i>	<i>Bar</i>	<i>1 3/4" dia x 1 3/4" long</i>	<i>Cancelled by N6905 this page.</i>
N5883	<i>Shim for Tappet Adjustment</i>		<i>Pen Steel</i>	<i>Pressing</i>	<i>1/2" x 1/2" x 0.002" thick</i>	<i>Cancelled by N6906 this page.</i>
N5884	<i>Shim for Tappet Adjustment</i>		<i>Pen Steel</i>	<i>Pressing</i>	<i>1/2" x 1/2" x 0.006" thick</i>	<i>Cancelled by N6906 this page.</i>
N6905	<i>Valve Tappet</i>	16	<i>Man. C.H. Steel</i>	<i>Bar</i>	<i>1 3/4" dia x 1 7/8" long</i>	<i>This replaces N5899 this page.</i>
N6906	<i>Shim for Tappet Adjustment</i>	16	<i>Poldi Boz</i>	<i>Bar</i>	<i>3/8" dia x 1/4" long</i>	<i>This replaces N5883/4 this page.</i>
N6907	<i>Thimble for Tappet Shim</i>	16	<i>Man. C.H. Steel</i>	<i>Bar</i>	<i>9/16" dia x 3/8" long</i>	

Component: *Engine 8 Cyl.*Type : *FA 8/15*

List No. 335

Date: 21/12/1928

Page No: 20

Drawing No.	Description	No.	Material	Specification	Remarks
N8035	Oil Pipe to Release Valve	1	Med. Car. Tube Soft	Tube 5/8" o/dia x 16 S.W.G. x 7 7/8" long	
4 - 1/4" - 7/8"	Bolt for above Pipe	2			
1 - 1/4"	Nut for above Bolt	2			
1/4" dia	Spring Washer	2			
N8033	Flange for Pipe to Release Valve	1	Cast Steel	Casting Patt. No. N8033	
5 - 1/4" - 1 3/8"	Stud for above Flange	2			
2 - 1/4"	Nut for above Stud	2			
1/16" dia	Split Pin	2	Steel	1/16" dia x 5/8" long	
N8050	Cover for Oil Filler	1	Aluminium	Casting Patt. No. N8050	
N7230	Joint Pin for Filler Cover	1	Bright Bolt Steel	Bar 3/8" dia x 1 7/8" long	
28-7	Plain Washer 1/4" dia	1		5/8" dia x 1/16" thick	
1/16" dia	Split Pin	1	Steel	1/16" dia x 3/4" long	
N1819	Spring for Filler Cover	1	Car. Coil Spring		B.O.
N7196	Stud for above Spring (top)	1	Bright Bolt Steel	Bar 1/2" dia x 1 1/4" long	
28-7	Plain Washer 1/4" dia	1		5/8" dia x 1/16" thick	
1/16" dia	Split Pin	1	Steel	1/16" dia x 3/4" long	

Component: Engine 8 Cyl.

Type : FA 8/15

List No. 335

Date: 21/12/1928

Page No: 21

Drawing No.	Description	No.	Material	Specification	Remarks
N8051	Stud for Spring (bottom)	1	Bright Bolt Steel	Bar	9/16" dia x 2 1/2" long
28-7	Plain Washer for above Stud 1/4" dia	1			5/8" dia x 1/16" thick
1/16" dia	Split Pin	1	Steel		1/16" dia x 3/4" long
N8052	Oil Indicator Cap	1	Aluminium	Casting	Patt. No. N8052
N7231	Joint Washer for above Cap	1	Cork	Pressing	1/16" thick
N8053	Eye Bolt for Indicator Cap	1	Bright Bolt Steel	Bar	1/2" dia x 1 3/4" long
2 - 1/4"	Nut for Eye Bolt	1			
28-7	Plain Washer 1/4" dia	1			5/8" dia x 1/16" thick
1/16" dia	Split Pin	1	Steel		1/16" dia x 3/4" long
N7229	Joint Pin for Eye Bolt	1	Bright Bolt Steel	Bar	3/8" dia x 1 1/8" long
1/16" dia	Split Pin	1	Steel		1/16" dia x 3/4" long
N8054	Indicator Control Rod	1	Bright Bolt Steel	Bar	5/16" dia x 6 1/2" long
N8055	Top Eye Piece for Control Rod	1	Bright Bolt Steel	Bar	1/2" dia x 1 5/16" long
	Rivet for Top Eye Piece	1	Steel		C/sk. Head 1/16" dia x 1/2" long

Component: Engine 8 Cyl.

Type : FA 8/15

List No. 335

Date: 21/12/1928

Page No: 22

Drawing No.	Description	No.	Material	Specification	Remarks
N8056	Bottom Eye Piece for Control Rod	1	Bright Bolt Steel	Bar 3/8" dia x 1 3/4" long	
N7228	Joint Pin for above Eye Piece	1	Bright Bolt Steel	Bar 5/16" dia x 7/8" long	
1/16" dia	Split Pin	1	Steel	1/16" dia x 3/4" long	
1 - 1/4"	Lock Nut for Control Rod	1			
N8057	Water Manifold	1	Aluminium	Casting Patt. No. N8057	
N6239	Plug for Water Manifold	2	Aluminium	Cast Bar 7/8" dia x 3/8" long	
N5867	Joint Washer Water Manifold to Cylinder Block	3	Cork	Pressing 1.5 m/m thick	B.O.
N8079	Joint Washer Water Manifold to Cylinder Block	1	Cork	Pressing 1.5 m/m thick	B.O.
5 - 2 B.A. - 3 1/8"	Stud for Water Manifold	1			
5 - 2 B.A. - 2 1/2"	Stud for Water Manifold	1			
5 - 2 B.A. - 1 3/4"	Stud for Water Manifold	4			
5 - 2 B.A. - 1 7/8"	Stud for Water Manifold	1			
5 - 2 B.A. - 1 5/8"	Stud for Water Manifold	17			
5 - 2 B.A. - 1/2"	Stud for Water Manifold	4			
1 - 2 B.A.	Nut for above Studs	28			
28-2	Plain Washer 3/16" dia	28		1/2" dia x 1/16" thick	

Component: *Engine 8 Cyl.*

Type : *FA 8/15*

List No. 335

Date: 21/12/1928

Page No: 23

Drawing No.	Description	No.	Material	Specification		Remarks
N7878	Water Pump Body	1	Aluminium	Casting	Patt. No. N7878	
N8078	Joint Washer for Pump to Manifold	1	Cork	Pressing	1.5 m/m thick	B.O.
4 - 1/4" - 7/8"	Bolt for Body to Manifold	1				
4 - 1/4" - 3/4"	Bolt for Body to Manifold	1				
1/4" dia	Spring Washer	2				
N7879	Water Pump Bracket	1	Gunmetal	Casting	Patt. No. N7879	
5* - 1/4" - 7/16"	Stud for Body & Bracket	4				
1 - 1/4"	Nut for above Stud	4				
1/4" dia	Spring Washer	4				
5 - 5/16" - 3/4"	Stud for Water Pump Bracket	6				
1 - 5/16"	Nut for above Stud	6				
5/16" dia	Spring Washer	6				
N7881	Impeller & Shaft	1	Gunmetal & Stainless Steel	Casting & Bar	Patt. No. N5861. Bar 7/8" dia x 8 3/4" long	
N7888	Gland for Water Pump	1	Gubmetal	Casting	Patt. No. N7888	
N7887	Gland Nut for Water Pump	1	Stainless Steel	Hex. Bar	1.662"/1.670" x 1 1/4" long	

Component: *Engine 8 Cyl.*Type : *FA 8/15*

List No. 335

Date: 21/12/1928

Page No: 24

Drawing No.	Description	No.	Material	Specification	Remarks
N7889	<i>Spring for Water Pump Gland</i>	1	<i>Car. Coil Spring</i>		<i>B.O.</i>
N7890	<i>Locking Plate for Pump Gland</i>	1	<i>Car. Strip Spring</i>	<i>Pressing 3/4" wide x 21 S.W.G. x 2" long</i>	
6 - 1/4" - 1/2"	<i>Set Screw for Gland</i>	1			
1/4" dia	<i>Spring Washer for above Stud</i>	1			
	<i>Gland Packing</i>	1			
N7886	<i>Water Pump Driving Gear</i>	1	<i>B.N.D. Steel</i>	<i>Stamping Die No. N7886</i>	
	<i>Key for Driving Gear</i>	1		<i>Woodruff No. 5</i>	
2 - 5/8"	<i>Nut for Driving Gear</i>	1			
1/8" dia	<i>Split Pin</i>	1	<i>Steel</i>	<i>1/8" dia x 1 3/8" long</i>	
N7882	<i>Washer for Impeller Shaft</i>	1	<i>Man. C.H. Steel</i>	<i>Bar 1 3/8" dia x 1/4" long</i>	
N7883	<i>Shim for Impeller Shaft</i>		<i>Brass Sheet</i>	<i>Pressing 1 5/8" x 1 5/8" x .005" thick</i>	<i>Cancelled.</i>
N7884	<i>Shim for Impeller Shaft</i>		<i>Brass Sheet</i>	<i>Pressing 1 5/8" x 1 5/8" x .003" thick</i>	<i>Cancelled.</i>
	<i>Ball Bearing for Impeller Shaft</i>	1		<i>25 x 62 x 17 Hoffman No. 325</i>	<i>B.O.</i>
	<i>Ball Bearing for Impeller Shaft</i>	1		<i>1/2" x 1 5/8" x 5/8" Hoffman M.S.5</i>	<i>B.O.</i>
N7885	<i>Bearing Retaining Plate (large)</i>	1	<i>Aluminium Sheet</i>	<i>Pressing 3 5/8" x 3 5/8" x 10 S.W.G.</i>	
9 - 1/4" - 1/2"	<i>C/sk. Screw for above</i>	6			
N7880	<i>Water Pump Bearing Housing</i>	1	<i>Aluminium</i>	<i>Casting Patt. No. N7880</i>	

Component: Engine 8 Cyl.

Type : FA 8/15

List No. 335

Date: 21/12/1928

Page No: 25

Drawing No.	Description	No.	Material	Specification	Remarks	
N5866	Bearing Retaining Plate (small)	1	Aluminium Sheet	Pressing	2 7/8" x 2 7/8" x 10 S.W.G.	
5* - 1/4" - 7/16"	Stud for above	4				
2 - 1/4"	Nut for above Stud	4				
1/16" dia	Split Pin	4	Steel		1/16" dia x 5/8" long	
N5835	Housing for Camshaft O.S.	1	Aluminium	Casting	Patt. No. N5835	
N5836	Housing for Camshaft N.S.	1	Aluminium	Casting	Patt. No. N5835	
5 - 5/16" - 3 1/4"	Stud for Camshaft Housing to Cylinder Block	36				
5 - 5/16" - 3 7/8"	Stud for Camshaft Housing to Timing Case	4				
1 - 5/16"	Nut for above Studs	40				
5/16" dia	Spring Washer	40				
N8083	Plug for Camshaft Housings	16	Drawn Brass	Hex. Bar	1.192"/1.200" x 3/4" long	
N8142	Camshaft - Inlet	1	Man. C.H. Steel	Stamping	Die No. N8142	End for Rev. Counter Drive to be removed.
N8143	Camshaft - Exhaust	1	Man. C.H. Steel	Stamping	Die No. N8142	
N8043	Rear Bearing for Camshaft	2	Phos. Bronze	Casting	Patt. No. N8043	
5* - 5/16" - 5/8"	Stud for Rear Bearing	8				
1 - 5/16"	Nut for above Stud	8				

Component: Engine 8 Cyl.

Type : FA 8/15

List No. 335

Date: 21/12/1928

Page No: 26

Drawing No.	Description	No.	Material	Specification	Remarks
N8044	Intermediate Bearing for Camshaft	6	Phos. Bronze	Casting Patt. No. N8044	
N8046	St Screw for Intermediate Bearing	6	Bright Bolt Steel	Hex. Bar .440"/.445" x 1 1/4" long	
N8047	Tab Washer for Set Screw	6	Double Seam Sheet Steel	Pressing 1 3/8" wide x 20 S.W.G. x 1 1/4" long	
N6146	Bearing for Inlet Camshaft	1	Phos. Bronze	Casting Patt. No. N6145	
N8063	End Cover for Inlet Camshaft		Phos. Bronze	Casting Patt. No. N6148	Cancelled by N8064.
5 - 1/4" - 5/8"	Stud for Bearing & Cover	4			
1 - 1/4"	Nut for above Stud	4			
1/4" dia	Spring Washer	4			
N6143	Plug for Rev. Counter Drive		Nic. Chrome Bar	Bar 9/16" dia x 1 5/8" long	Cancelled.
4 - 1/4" - 1 1/4"	Clamp Bolt for End Cover (Inlet)				Cancelled.
1 - 1/4"	Nut for above Bolt				Cancelled.
1/4" dia	Spring Washer				Cancelled.
N6145	Bearing for Exhaust Camshaft	1	Phos. Bronze	Casting Patt. No. N6145	
N8064	End Cover for Exhaust Camshaft	2	Bright Mild Bar	Bar 2 1/4" dia x 1 1/2" long	One of these replaces N8063 (Inlet side).
5 - 1/4" - 5/8"	Stud for Bearing and Cover	4			
1 - 1/4"	Nut for above Stud	4			
1/4" dia	Spring Washer	4			

Component: Engine 8 Cyl.

Type : FA 8/15

List No. 335

Date: 21/12/1928

Page No: 27

Drawing No.	Description	No.	Material	Specification	Remarks
N5874	Camshaft Timing Wheel	2	B.N.D. Steel	Stamping	Die No. N5874
	Key for above Wheel	2	Key Steel		1/4" x 1/4" x 7/8" long
N7922	Magneto Bracket N.S.	1	Aluminium	Casting	Patt. No. N7922
N7923	Magneto Bracket O.S.	1	Aluminium	Casting	Patt. No. N7923
4 - 1/4" - 4 1/2"	Bolt for Magneto Bracket	4			
1/4" dia	Spring Washer	4			
5 - 5/16" - 7/8"	Stud for Magneto Bracket	14			
1 - 5/16"	Nut for above Stud	14			
5/16" dia	Spring Washer	14			
N6134	Locating Peg for Magneto Bracket	4	Bright Bolt Steel	Bar	1/4" dia x 1 1/8" long
	Drain Plug for Magneto Bracket	2	Brass		1/8" gas Roth. No. 1
	Magneto	2			B.O.
5 - 5/16" - 1"	Stud for Magneto	6			
1 - 5/16"	Nut for above Stud	6			
5/16" dia	Spring Washer	6			

Component: *Engine 8 Cyl.***Type :** *FA 8/15***List No.** 335**Date:** 21/12/1928**Page No:** 28

Drawing No.	Description	No.	Material	Specification		Remarks
<i>N8085</i>	<i>Magneto Coupling on Magneto</i>	<i>2</i>	<i>Brass</i>	<i>Stamping</i>	<i>Die No. N2278</i>	
<i>N8045</i>	<i>Magneto Coupling on Camshaft</i>	<i>2</i>	<i>Brass</i>	<i>Stamping</i>	<i>Die No. N8045</i>	<i>First sets to be cast.</i>
	<i>Key for above Coupling</i>	<i>2</i>			<i>Woodruff No. 3</i>	
<i>2 - 3/8"</i>	<i>Nut for Magneto Coupling</i>	<i>2</i>				
<i>28-17</i>	<i>Plain Washer 3/8" dia</i>	<i>2</i>			<i>7/8" dia x 1/16" thick</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>	
	<i>Sparking Plug</i>	<i>8</i>				<i>B.O.</i>
	<i>High Tension Cable</i>	<i>1</i>				
	<i>High Tension Terminals</i>	<i>16</i>				<i>B.O.</i>
<i>N8077</i>	<i>Oil Distributor for Camshafts</i>	<i>1</i>	<i>Gunmetal</i>	<i>Casting</i>	<i>Patt. No. N8077</i>	
<i>5 - 1/4" - 5/8"</i>	<i>Stud for Oil Distributor</i>	<i>2</i>				
<i>1 - 1/4"</i>	<i>Nut for above Stud</i>	<i>2</i>				
<i>1/4" dia</i>	<i>Spring Washer</i>	<i>2</i>				
<i>N8070</i>	<i>Screwed End for Camshaft</i>	<i>2</i>	<i>Nic. Chrome Bar</i>	<i>Bar</i>	<i>3/8" dia x 1 1/8" long</i>	
	<i>Dowel for above</i>	<i>2</i>	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>1/8" dia x 5/16" long</i>	

Component: *Engine 8 Cyl.*Type : *FA 8/15*

List No. 335

Date: 21/12/1928

Page No: 29

Drawing No.	Description	No.	Material	Specification		Remarks
<i>N</i>	<i>Oil Pipe from Distributor to Inlet Camshaft</i>	<i>1</i>	<i>Copper</i>	<i>Tube</i>	<i>3/8" o/dia x 18 S.W.G. x long</i>	
<i>N</i>	<i>Oil Pipe from Distributor to Exhaust Camshaft</i>	<i>1</i>	<i>Copper</i>	<i>Tube</i>	<i>3/8" o/dia x 18 S.W.G. x long</i>	
<i>10-5</i>	<i>Nut for above Oil Pipes</i>	<i>4</i>	<i>Brass</i>			<i>B.O.</i>
<i>N</i>	<i>Oil Pipe to Gauge (Camshaft System)</i>	<i>1</i>	<i>Copper</i>	<i>Tube</i>	<i>1/4" o/dia x 18 S.W.G. x long</i>	
<i>10-3</i>	<i>Nut for above Oil Pipe</i>	<i>2</i>	<i>Brass</i>			<i>B.O.</i>
<i>N8010</i>	<i>Oil Level Float and Rod</i>	<i>1</i>				<i>B.O.</i>
<i>N6648</i>	<i>Top Bush for Oil Level Float</i>	<i>1</i>	<i>Drawn Brass</i>	<i>Bar</i>	<i>3/8" dia x 3/4" long</i>	
<i>N6649</i>	<i>Bottom Bush for Oil Level Float</i>	<i>1</i>	<i>Drawn Brass</i>	<i>Bar</i>	<i>3/8" dia x 1 3/8" long</i>	
<i>N8073</i>	<i>Steadying Stud for Supercharger</i>	<i>2</i>	<i>Bright Bolt Steel</i>	<i>Hex. Bar</i>	<i>.595"/.600" x 4 1/4" long</i>	
<i>1 - 3/8"</i>	<i>Nut for above Stud</i>	<i>4</i>				
<i>28-18</i>	<i>Plain Washer 3/8" dia</i>	<i>4</i>			<i>7/8" dia x 3/32" thick</i>	
<i>N8011</i>	<i>Oil Register for Crankcase</i>	<i>1</i>	<i>Brass</i>	<i>Hot Pressing</i>		<i>B.O. First sets only to be cast in Gunmetal.</i>

Component: Engine 8 Cyl.

Type : FA 8/15

List No. 335

Date: 01/01/1929

Page No: 30

Drawing No.	Description	No.	Material	Specification		Remarks
	Carburetter	1		Solex 40 m/m Type MOHD	B.O.	
N7567	Joint Washer for Carburetter	1	Hallite	Pressing	1 m/m thick	
5 - 3/8" - 7/8"	Stud for Carburetter	2				
1 - 3/8"	Nut for above Stud	2				
3/8" dia	Spring Washer	2				
N8048	Induction Manifold	1	Aluminium	Casting	Patt. No. N8048	
N8098	Joint Washer - Induction Manifold to Cylinder	1	Hallite	Pressing	1 m/m thick	B.O.
5 - 5/16" - 1 3/8"	Stud for Induction Manifold	16				
1 - 5/16"	Nut for above Stud	16				
5/16" dia	Spring Washer	16				
N8076	Induction Pipe		Aluminium	Casting	Patt. No. N8076	Cancelled by N8464 on page 31 11.6.29
N8074	Joint Washer for Induction Pipe	2	Hallite	Pressing	1 m/m thick	
4 - 5/16" - 1 1/8"	Bolt for Induction Pipe to Manifold	2				
4 - 5/16" - 1"	Bolt for Induction Pipe to Supercharger	2				
1 - 5/16"	Nut for above Bolt	2				
5/16" dia	Spring Washer	4				

Component: Engine 8 Cyl.

Type : FA 8/15

List No. 335

Date: 01/01/1929

Page No: 31

Drawing No.	Description	No.	Material	Specification	Remarks
N7702	Supercharger Release Valve	1	Bright Bolt Steel	Bar 1 1/2" dia x 1 1/2" long	
N8075	Spring for Release Valve	1	Car. Coil Spring		B.O.
N7705	Shim for Release Valve	2	Brass Sheet	Pressing 1" wide x 18 S.W.G. x 1" long	
N7703	Retaining Nut for Release Valve	1	Bright Mild Bar	Bar 2" dia x 1 1/4" long	
N8087	Exhaust Manifold	2	Malleable Cast Iron	Casting Patt. No. N8087	
N6309	Joint Washer for Exhaust Manifold	8	Copper & Asbestos	Pressing 3 m/m thick	B.O.
5 - 5/16" - 7/8"	Stud for Exhaust Manifold	8			
5 - 5/16" - 2 1/2"	Stud for Exhaust Manifold	4			
5 - 5/16" - 2 5/8"	Stud for Exhaust Manifold	2			
5 - 5/16" - 3"	Stud for Exhaust Manifold	2			
	Nut for above Studs	16	Brass	As 1 - 5/16"	
N8464	Induction Pipe	1	Aluminium	Casting Patt. No. N8076	This replaces N8076 on page 30. 11.6.29

Drawing No.	Description	No.	Material	Specification	Remarks
N8297	Starting Handle	1	Mild Steel	Stamping Die No. N4573	
N8302	Starting Dog on Starting Handle	1	Man. C.H. Steel	Bar 1" dia x 1 7/8" long	
	Taper Pin for Starting Dog	1	Steel	No. 3 x 1 1/4" long	
N8303	Sleeve on Starting Handle Shaft	1	Cast Iron	Cast Bar 1" dia x 2 1/2" long	
N5343	Starting Handle Pin	1	Bright Bolt Steel	Bar 3/4" dia x 5" long	
N5344	Starting Handle Tube	1	Brass	Tube 3/4" o/dia x 13 S.W.G. x 3 7/8" long	
28-13	Plain Washer 5/16" dia	1		3/4" dia x 1/16" thick	
N8465	Spiral gear for Rev. Counter	1	.5 Carbon Steel	Bar 2 1/8" dia x 1 3/8" long	This replaces N7955 Sleeve on page 6.
N8466	Pinion & Shaft for Rev Counter	1	.5 Carbon Steel	Bar 1 1/4" dia x 6" long	
N8467	Bush for Crankcase Cover	1	Phos. Bronze	Cast Bar 1 1/8" dia x 1" long	
N8468	Cover for Rev. Counter Drive	1	Phos. Bronze	Casting Patt. No. N8468	
5* - 1/4" - 1/2"	Stud for above Cover	2			
4 - 1/4" - 1 1/4"	Bolt for above Cover	1			
1 - 1/4"	Nut for above Stud & Bolt	3			
1/4" dia	Spring Washer	3			

Drawing No.	Description	No.	Material	Specification	Remarks
	<i>SPECIAL PARTS FOR ULSTER CARS</i>				
N8344	<i>Crankshaft - No.1 Crankpin</i>	1	<i>K.E. 169</i>		<i>B.O. These parts replace Crankshaft N7752.</i>
N8345	<i>Crankshaft - Nos. 2 & 3 Crankpins</i>	1	<i>K.E.169</i>		<i>B.O. These parts replace Crankshaft N7752.</i>
N8346	<i>Crankshaft - Nos. 4 & 5 Crankpins</i>	1	<i>K.E.169</i>		<i>B.O. These parts replace Crankshaft N7752.</i>
N8347	<i>Crankshaft - Nos. 6 & 7 Crankpins</i>	1	<i>K.E.169</i>		<i>B.O. These parts replace Crankshaft N7752.</i>
N8348	<i>Crankshaft - No. 8 Crankpin</i>	1	<i>K.E.169</i>		<i>B.O. These parts replace Crankshaft N7752.</i>
N8349	<i>Flange Bolt for Crankshaft</i>	32	<i>Nic. Chrome Bar</i>	<i>Hex. Bar .595"/.600" x 1 3/4" long</i>	<i>These parts replace Crankshaft N7752.</i>
<i>2 - 3/8"</i>	<i>Nut for above Bolt</i>	32			<i>These parts replace Crankshaft N7752.</i>
<i>1/16" dia</i>	<i>Split Pin</i>	32	<i>Steel</i>	<i>1/16" x 3/4" long</i>	<i>These parts replace Crankshaft N7752.</i>
N8343	<i>Connecting Rod</i>	8	<i>K.E.24D</i>	<i>Stamping Die No. N8343</i>	<i>This replaces N7824.</i>
N7227	<i>Bolt for Connecting Rod - big end</i>	16	<i>Nic. Chrome Bar</i>	<i>Bar 9/16" dia x 2 13/16" long</i>	<i>This replaces N8187.</i>
<i>3 - 3/8"</i>	<i>Nut for above Bolt</i>	16			<i>This replaces special nut (page 11).</i>
<i>1/16" dia</i>	<i>Split Pin</i>	16	<i>Steel</i>	<i>1/16" dia x 3/4" long</i>	
N7169	<i>Cage for Connecting Rod Roller Bearing</i>	8			<i>B.O. In stock.</i>
N7170	<i>Cover for Connecting Rod Roller Bearing</i>	8			<i>B.O. In stock.</i>
N7171	<i>Roller for Connecting Rod Bearing</i>	112			<i>B.O. In stock. This replaces N5841 on page 11</i>
N8550	<i>Crankcase</i>	1	<i>Aluminium</i>	<i>Casting Patt. No. N7864</i>	<i>This replaces N7864 on page 1.</i>
N8551	<i>Crankcase Bottom Cover</i>	1	<i>Aluminium</i>	<i>Casting Patt. No. N7950</i>	<i>This replaces N7950 on page 1.</i>

Component: *Engine 8 Cyl.*Type : *FA 8/15*

List No. 335

Date: 11/06/1929

Page No: 34

Drawing No.	Description	No.	Material	Specification	Remarks
N8552	<i>Cylinder Block</i>	1	<i>Cast Iron</i>	<i>Casting</i> <i>Patt. No. N7825</i>	<i>This replaces N7825 on page 12.</i>
N8553	<i>Oil Pump Driving Wheel</i>	1	<i>Med. Car. Steel</i>	<i>Forging</i>	<i>This replaces N7978 on page 8.</i>
N8554	<i>Dowel for Oil Pump</i>	2	<i>Bright Bolt Steel</i>	<i>Bar</i> <i>3/8" dia x 15/16" long</i>	<i>This replaces N7989 on page 6.</i>
N8555	<i>Packing Plate for Oil Pump</i>	2	<i>Aluminium</i>	<i>Casting</i> <i>Patt. No. N8555</i>	
N8556	<i>Oil Suction Pipe</i>	1	<i>Gunmetal</i>	<i>Casting</i> <i>Patt. No. N8556</i>	<i>This replaces N7953 on page 7.</i>
N8557	<i>Main Oil Pipe</i>	1	<i>Med. Car. Tube Soft</i>	<i>Tube</i> <i>5/8" o/dia x 16 S.W.G. x 16</i> <i>1/8" long</i>	<i>This replaces N7972 on page 9.</i>
N8558	<i>Connecting Pipe for Main Oil Pipe</i>	1	<i>Cast Steel</i>	<i>Casting</i> <i>Patt. No. N8558</i>	<i>This replaces N7973 on page 9.</i>
	<i>The following parts will not be required for Ulster Models:-</i>				
N7958	<i>Crankshaft Oil Pipe</i>	4			<i>These parts not required on Ulster cars. See page 6.</i>
N8301	<i>Crankshaft Oil Pipe Boss</i>	8			<i>These parts not required on Ulster cars. See page 6.</i>
N7957	<i>Bolt for Crankshaft Oil Pipe, with Nuts and Split Pins</i>	4			<i>These parts not required on Ulster cars. See page 6.</i>

Drawing No.	Description	No.	Material	Specification	Remarks	
	PAGES 35 to 37 REPLACE PAGES 13 to 15					
N8203	Supercharger Casing	1	Aluminium L5 Alloy	Casting	Patt. No. N8203	This replaces N7985 on page 13.
N7988	Supercharger Front Housing	1	Cast Steel	Casting	Patt. No. N7988	
N7986	Supercharger Rear Housing	1	Cast Steel	Casting	Patt. No. N7986	
N8243	Supercharger End Plate	1	Aluminium	Casting	Patt. No. N8243	This component new to this design.
9 - 1/4" - 7/8"	C/sk. Screw for Front Housing	3				
9 - 1/4" - 5/8"	C/sk. Screw for Rear Housing	2				
N8071	Stud for Supercharger (short)	4	Bright Bolt Steel	Bar	5/16" dia x 10 1/8" long	
N8072	Stud for Supercharger (long)	1	Bright Bolt Steel	Bar	5/16" dia x 10 7/8" long	
5 - 5/16" - 1 1/8"	Stud for Rear Housing & Cover	1				
5 - 5/16" - 7/8"	Stud for Front Housing	1				This component new to this design.
1 - 5/16"	Nut for above Studs	12				
5/16" dia	Spring Washer	12				
N7987	Supercharger Rear Cover	1	Aluminium	Casting	Patt. No. N7987	
N8025	Dowel for Rear Housing	2	Bright Bolt Steel	Bar	3/8" dia x 7/8" long	
N8290	Dowel for Front Housing	2	Bright Bolt Steel	Bar	3/8" dia x 1 1/8" long	This component new to this design.
N8204	Rotor for Supercharger - bottom	1	Nic. Chrome Steel	Stamping	Die No. N6654	Replaces N8081 on page 13.
N8205	Rotor for Supercharger - top	1	Nic. Chrome Steel	Stamping	Die No. N6654	Replaces N8082 on page 13.

Drawing No.	Description	No.	Material	Specification	Remarks
	<i>Plug for Casing & Rear Cover</i>	<i>3</i>	<i>Brass</i>	<i>1/4" gas. Roth. No. 2</i>	<i>B.O. Additional plug for casing, this design.</i>
<i>N6661</i>	<i>Distance Piece for Rotor - rear</i>	<i>2</i>	<i>Bright Bolt Steel</i>	<i>Bar 1 1/4" dia x 3/8" long</i>	
	<i>Ball Bearing for Rotor - rear</i>	<i>2</i>		<i>20 x 47 x 14 Hoffman No. 120</i>	<i>B.O.</i>
<i>N8175</i>	<i>Washer for Rotor - rear</i>	<i>2</i>	<i>Bright Mild Bar</i>	<i>Bar 1 7/8" dia x 3/8" long</i>	
<i>2 - 3/8"</i>	<i>Nut for Rotor - rear</i>	<i>2</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>	
<i>N6660</i>	<i>Cover for Ball Race - rear</i>	<i>2</i>	<i>Aluminium Sheet</i>	<i>Pressing 2 3/4" wide x 10 S.W.G. x 2 3/4" long</i>	
<i>5* - 2 B.A. - 3/8"</i>	<i>Stud for above Cover</i>	<i>6</i>			
<i>2 - 2 B.A.</i>	<i>Nut for above Stud</i>	<i>6</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>Ball Bearing for Rotor - front top</i>	<i>1</i>		<i>20 x 47 x 14 Hoffman No. 120</i>	<i>B.O.</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.</i>
<i>N6667</i>	<i>Gear Wheel for Bottom Rotor</i>	<i>1</i>	<i>Poldi Boz</i>	<i>Bar 2 5/8" dia x 1" long</i>	
	<i>Key for above Wheel</i>	<i>1</i>		<i>Woodruff No. 6</i>	
<i>N6668</i>	<i>Gear Wheel for Top Rotor</i>	<i>1</i>	<i>Poldi Boz</i>	<i>Bar 2 5/8" dia x 3/4" long</i>	
<i>N6669</i>	<i>Carrier for Top Gear Wheel</i>	<i>1</i>	<i>Bright Mild Bar</i>	<i>Bar 2" dia x 1 1/2" long</i>	
	<i>Key for above Carrier</i>	<i>1</i>	<i>Key Steel</i>	<i>3/16" x 3/16" x 1" long</i>	

Drawing No.	Description	No.	Material	Specification	Remarks
<i>5 - 1/4" - 5/8"</i>	<i>Stud for Top Gear Wheel</i>	<i>2</i>			
<i>2 - 1/4"</i>	<i>Nut for above Stud</i>	<i>2</i>			
<i>1/16" dia</i>	<i>Split Pin</i>	<i>2</i>	<i>Steel</i>	<i>1/16" dia x 5/8" long</i>	
<i>4 - 1/4" - 3/4"</i>	<i>Bolt for Top Gear Wheel</i>	<i>4</i>			
<i>N7429</i>	<i>Tab Washer for above Bolt</i>	<i>2</i>	<i>Mild Sheet</i>	<i>Pressing</i>	<i>20 S.W.G.</i>
<i>2 - 3/8"</i>	<i>Nut for Rotor - front end</i>	<i>2</i>			
<i>N6761</i>	<i>Plain Washer 3/8" dia</i>	<i>2</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>2</i>	<i>Steel</i>		<i>1/16" dia x 3/4" long</i>
<i>N8039</i>	<i>Driving Wheel for Supercharger</i>	<i>1</i>	<i>B.N.D. Steel</i>	<i>Stamping</i>	<i>Die No. N8039</i>
<i>N8040</i>	<i>Pin for Driving Wheel</i>	<i>1</i>	<i>Bright Bolt Steel</i>	<i>Bar</i>	<i>1" dia x 2 7/8" long</i>
	<i>Key for Driving Wheel</i>	<i>1</i>	<i>Key Steel</i>		<i>3/16" x 3/16" x 15/16" long</i>
	<i>Nut for Driving Wheel</i>	<i>1</i>			<i>As 2-5/8" 3/8" thick</i>
<i>1/8" dia</i>	<i>Split Pin</i>	<i>1</i>	<i>Steel</i>		<i>1/8" dia x 1 3/8" long</i>
	<i>Ball Bearing for Driving Shaft</i>	<i>2</i>		<i>20 x 47 x 14 Hoffman No. 120</i>	<i>B.O.</i>
<i>N8041</i>	<i>Housing for above Ball Bearing</i>	<i>1</i>	<i>Bright Mild Bar</i>	<i>Bar</i>	<i>2 1/4" dia x 7/8" long</i>
<i>N8042</i>	<i>Retaining Cover for Supercharger</i>	<i>1</i>	<i>Aluminium</i>	<i>Casting</i>	<i>Patt. No. N8042</i>
<i>9 - 2 B.A. - 1/2"</i>	<i>C/sk. Screw for above Cover</i>	<i>3</i>			