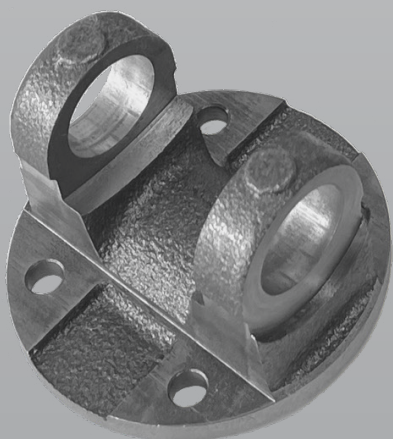
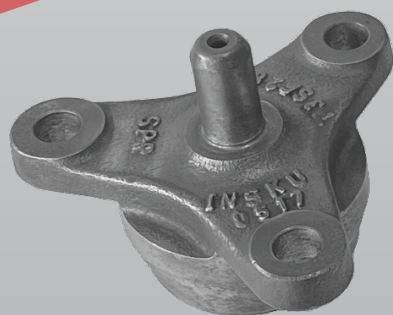


2024

Mechanics 'R' and Trip Series Components

A red-handled mechanical component, likely a valve or actuator, mounted on a metal base. The component features a red handle with a textured grip and a silver-colored metal body with various flanges and a threaded section. It is positioned on a light gray surface against a red background.

WHO WE ARE.

Motion delivers a world-class customer-first approach to everything we do. This has firmly established our business as the leader in the market, providing excellence and expertise in industrial products, solutions, and services.

For more than 100 years we have been a feature in the Australian industrial landscape giving customers unmatched products and service through an integrated network of branches, workshops, and service centres.

We have an ongoing commitment to invest in our people, facilities, IT, and systems to ensure we can continue to offer a broad ranging and premium level of engineering design, servicing, and turnkey projects to our customers across Australia.

We are committed and proud to keep our customers in motion, every day of the year.

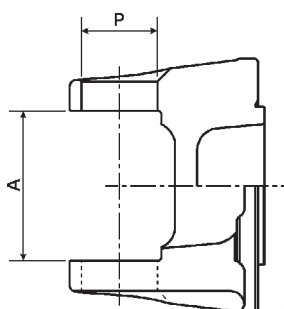
“**WE KEEP
THE WORLD
MOVING**”

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MECHANICS TYPE "R" SERIES

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UNIVERSAL JOINT TORQUE CAPACITIES

SERIES	P	A	CONTINUOUS OPERATION eg. PETROL or DIESEL ENGINE	INDUSTRIAL OPERATION eg. ELECTRIC MOTOR DRIVE	SHORT DURATION TORQUE
17R	25.40 1.000	43.64 1.718	169.0 Nm 124.0 ft/lbs	253.0 Nm 186.6 ft/lbs	847.0 Nm 624.6 ft/lbs
2R	25.40 1.000	59.44 2.340	217.0 Nm 160.0 ft/lbs	325.0 Nm 239.7 ft/lbs	1085.0 Nm 800.1 ft/lbs
21R / 21S	27.39 1.078	54.00 2.125	238.0 Nm 175.5 ft/lbs	357.0 Nm 263.3 ft/lbs	1191.0 Nm 878.3 ft/lbs
25R	28.57 1.125	59.44 2.340	380.0 Nm 280.2 ft/lbs	569.0 Nm 419.6 ft/lbs	1898.0 Nm 1399.7 ft/lbs
3R	28.57 1.125	65.10 2.563	237.0 Nm 175.0 ft/lbs	352.5 Nm 260.0 ft/lbs	1185.0 Nm 875.0 ft/lbs

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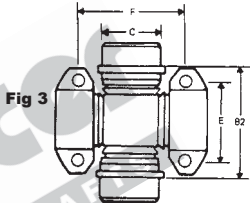
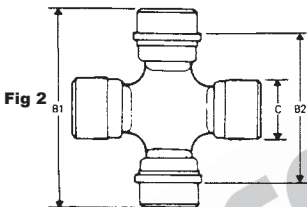
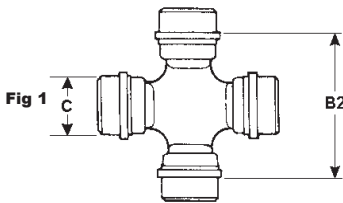
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MECHANICS TYPE 17R



17R

STANDARD UNIVERSAL JOINT

PART No.	FIG	C	B2	LUBE	DESCRIPTION
RUJ-1786	1	25.40	43.64	CAP	STANDARD JOINT
RUJ-1786R	1	25.40	43.64	NIL	PREMIUM THRUST WASHER TYPE

17R

CONVERSION UNIVERSAL JOINT

PART No.	FIG	C	B1	B2	E	F	LUBE	DESCRIPTION
RUJ-1766	2	23.80 25.40	61.30	43.64			CAP	1140 SERIES TO 17R SERIES
RUJ-1768	3	25.40		43.64	33.34	44.45	NIL	JOHN DEERE
RUJ-1758	3	25.40		43.64	33.34	52.78	CAP	EARLY HOLDEN
5-248X	2	25.40 26.99	61.93	43.64			CENTRE	17R SERIES TO 1110 SERIES

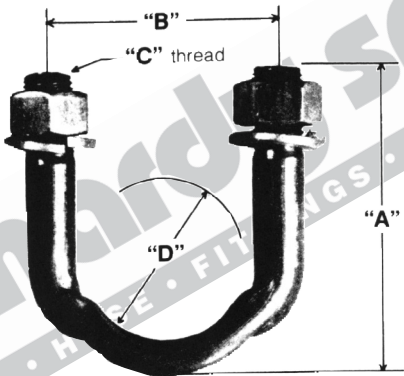


Fig 4

U/BOLT KIT

PART No.	FIG	U-BOLTS or CLAMPS	LOCK WASHER	HEX NUT or CAP SCREW	A	B	C	D	SUITS SHAFT SERIES
104	4	2	4	4	47.62 1.875	34.92 1.375	1/4-28UNF	25.40 1.000	17R 2 x U/Bolts, 4 x nuts, 4 x S/Washers

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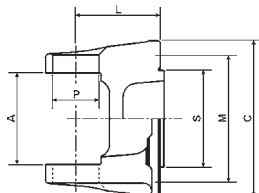
17R MECHANICS TYPE

A = 43.64

1.718

P = 25.40

1.000



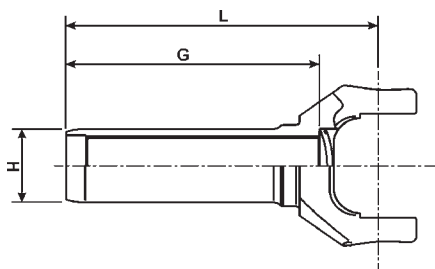
17R FLANGE YOKE

PART No.	FLANGE DIA.	C/L OF U.J. TO FACE	SPIGOT DIA M=MALE F=FEMALE	P.C.D.	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
	C	L	S	M				
17R-2-431C	108.35 4.265	43.00 1.690	M-44.90 1.768	89.09 3.507	63.00 x 63.00 2.480 x 2.480	4	8.50 0.335	MAZDA
17R-2-502	90.00 3.543	43.00 1.690	M-44.90 1.768	73.00 2.874	45.70 x 56.70 1.799 x 2.232	4	8.30 0.327	MAZDA
17R-2-504	90.00 3.543	43.00 1.690	M-44.90 1.768	74.50 2.933	46.00 x 59.00 1.810 x 2.323	4	8.30 0.327	MAZDA ROTARY
17R-2-608			M-60.00 2.362		60.80 x 51.40 2.394 x 2.024	4	8.20 0.323	MITSUBISHI EVO LANCER AWD
17R-2-423C	103.17 4.062	40.00 1.575	M-46.00 1.810	77.83 3.064	54.80 x 54.80 2.157 x 2.157	4	8.20 0.323	TOYOTA
17R-2-439C	108.00 4.251	43.00 1.693	M-46.00 1.810	84.85 3.341	60.00 x 60.00 2.362 x 2.362	4	10.20 0.402	TOYOTA
17R-2-500	92.00 3.622	39.00 1.535	M-50.00 1.969	75.80 2.984	53.60 x 53.60 2.110 x 2.110	4	8.50 0.335	SUBARU / NISSAN
17R-2-501	92.00 3.622	39.00 1.535	M-50.00 1.969	75.00 2.853	48.00 x 58.00 1.890 x 2.283	4	8.50 0.335	NISSAN (CENTRE)
17R-2-1309	102.50 4.251	43.00 1.693	M-50.00 1.969	81.28 3.200	57.50 x 57.50 2.264 x 2.264	4	10.50 0.413	NISSAN NOMAD / 300ZX
17R-2-445	108.00 4.251	41.00 1.614	M-56.00 2.204	89.90 3.539	67.00 x 60.00 2.638 x 2.362	4	10.50 0.413	ENGLISH FORD
17R-2-429	87.00 3.425	38.00 1.496	M-57.15 2.250	69.88 2.751	44.91 x 53.50 1.768 x 2.106	4	8.50 0.335	NISSAN / 1140 SERIES
17R-2-437	92.00 3.622	38.00 1.496	M-57.09 2.125	77.83 3.064	67.40 x 38.92 2.654 x 1.532	4	10.60 0.417	HOLDEN / MITSUBISHI NISSAN
17R-2-SF-S	92.30 3.634	40.00 1.575	M-58.30 2.295	N/A	N/A	N/A		SEMI FINISHED FULL ROUND
17R-2-SF-L	108.00 4.251	40.00 1.575	M-58.30 2.295	N/A	N/A	N/A		SEMI FINISHED FULL ROUND

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MECHANICS TYPE 17R



17R

SLIP YOKE

PART No.	No. OF SPLINES	SPLINE		GROUND SLEEVE DIA. H	C/L TO END L	LENGTH OF HOLE G	COMMENTS
		MAJOR DIA.	MINOR DIA.				
17R-3-1628	11-INV	24.99 0.984	21.33 0.840	34.87 1.373	132.00 5.197	105.02 4.135	HOLDEN 3 SPEED NON SYNCRO
17R-3-1848	16-INV	22.28 0.877	18.80 0.740	30.13 1.186	140.40 5.528	115.00 4.528	FORD ESCORT AUST. PRODUCTION AVAILABLE WHILE STOCKS LAST
17R-3-1498	18-INV	20.50 0.807	17.98 0.708	29.93 1.178	122.20 4.811	96.80 3.811	DATSUN 120Y, 1200, SUNNY, C20
17R-3-1358	20-INV	22.80 0.898	20.10 0.791	30.13 1.186	140.40 5.528	115.00 4.528	FORD CORTINA & ESCORT AUST. PRODUCTION
17R-3-2188	20-INV	22.83 0.899	20.70 0.815	31.95 1.258	142.00 5.591	116.60 4.591	TOYOTA COROLLA KE30/35
17R-3-2522	21-INV	24.10 0.945	21.40 0.843	32.00 1.260	136.20 5.354	108.00 4.252	MITSUBISHI EVO LANCER AWD
17R-3-1478	21-INV	27.96 1.101	25.58 1.007	37.97 1.495	145.20 5.717	115.05 4.530	TOYOTA 5 SPEED
17R-3-2638	22-INV	25.34 0.998	22.47 0.885	31.95 1.258	142.00 5.591	116.60 4.591	TOYOTA
17R-3-2158	22-INV	25.40 1.000	22.22 0.875	34.90 1.374	150.00 5.906	119.58 4.719	MAZDA ROTARY / PISTON UP TO 1984
17R-3-1308	24-INV	25.52 1.005	23.00 0.906	34.95 1.376	148.40 5.843	118.25 4.656	NISSAN
17R-3-2498	24-INV	26.92 1.060	24.35 0.959	35.92 1.414	132.00 5.197	105.02 4.135	V.K. COMMODORE 5 SPEED MITSUBISHI TRITON ^SEE NOTE
17R-3-1518	25-INV	28.27 1.113	24.97 0.983	34.91 1.374	140.40 5.528	111.82 4.402	FORD ESCORT / CORTINA CAPRI AUST. PRODUCTION
17R-3-1158	25-INV	28.27 1.113	24.97 0.983	34.86 1.372	149.80 5.898	119.65 4.711	FORD FALCON SUPERCEDED TO 17R-3-1518
17R-3-1188	27-INV	30.23 1.190	27.94 1.100	38.15 1.502	133.00 5.236	105.20 4.141	HOLDEN AUTO / MANUAL VK COMMODORE

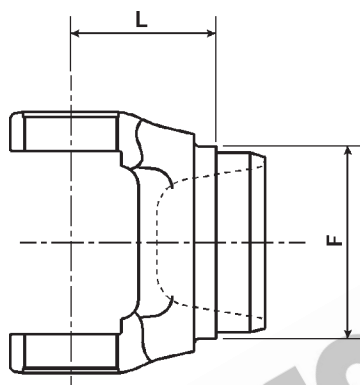
^ NOTE: Can be used to replace slip yoke on some MH/MJ Mitsubishi Tritons by replacing weld yoke and UJ.

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17R MECHANICS TYPE

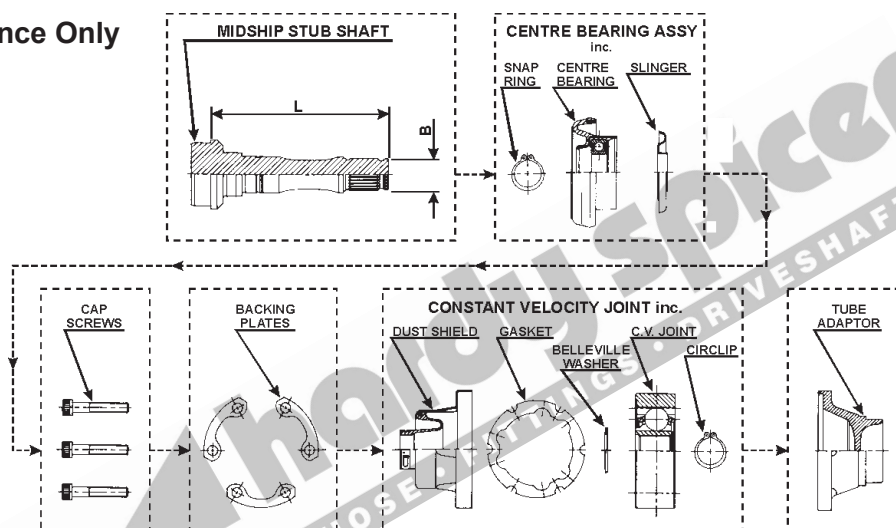
BUTT TYPE
H=HOLLOW
S=SOLID



17R WELD YOKE

PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS F	TUBE PART No.	BUTT TYPE	COMMENTS
17R-26-330	41.00 1.614	50.80 x 2.41 2.000 x 0.095	1613-0000	S	
17R-26-328	43.00 1.693	57.15 x 1.65 2.250 x 0.065	1816-0000	H	
17R-26-231	41.00 1.614	63.50 x 1.65 2.500 x 0.065	2016-0000	H	
17R-26-350	31.20 1.228	69.85 x 1.65 2.750 x 0.065	2216-0000	H	
17R-26-261	43.00 1.693	76.20 x 1.65 3.000 x 0.065	2416-0000	H	

Reference Only



17R MID SHIP ASSEMBLY

MIDSHIP STUB SHAFT PART No.	SPLINE DIA. & No. B	END OF SPLINE TO POINT OF WELD L	TUBE PART No. & SIZE	BEAR- ING I.D. 1.181	CENTRE BEAR- ING PART No. CB-952	CV JOINT CV-856	TUBE ADAPTOR PART No. 679-R08 NLA	COMMENTS
17R-56-5821 NLA	26.46-24 1.042	144.00 5.669	1813-0000 2.250 x 0.095	30.00				CAP SCREW 6 x 608-R95 + BACKING PLATE 3 x 806-R15

Note : Replacement Boot Kit Only = CV-852

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MECHANICS TYPE 2R

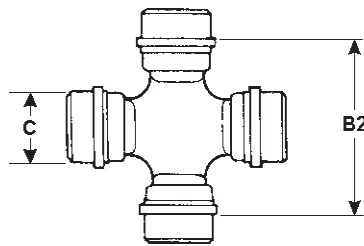


Fig 1

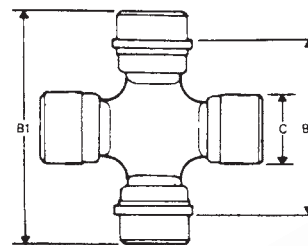


Fig 2

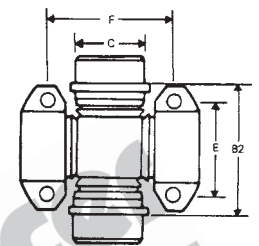


Fig 3

2R STANDARD UNIVERSAL JOINT

PART No.	FIG	C	B2	LUBE	DESCRIPTION
RUJ-2030	1	25.40	59.53	NIL	STANDARD JOINT
RUJ-2030R	1	25.40	59.53	NIL	PREMIUM THRUST WASHER TYPE
114-2101	1	25.40	59.53	CAP	GREASABLE CAP

2R CONVERSION UNIVERSAL JOINT

PART No.	FIG	C	B1	B2	E	F	LUBE	DESCRIPTION
114-2111	3	25.40		59.53	33.34	59.53	SIDE OR CAP	2R SERIES TO 2C MECHANICS
114-2107	3	25.40		43.64	33.34	61.52	SIDE	2R SERIES
RUJ-2032	2	25.40 26.99	81.76	59.53			SIDE	2R SERIES TO 1310 SERIES
RUJ-2009	1	25.40 28.58		59.53 59.53			SIDE	2R SERIES TO 25R SERIES
RUJ-2034	2	25.40 28.58	81.76	59.53			SIDE	2R SERIES TO 25R SERIES

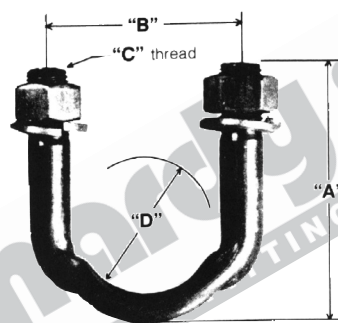


Fig 4

U/BOLT KIT

PART No.	FIG	U-BOLTS	LOCK WASHER	HEX NUT or CAP SCREW	A	B	C	D	SUITS SHAFT SERIES
2R-94-10	4	2	4	4	60.30 2.375	34.92 1.375	1/4-28UNF	25.40 1.000	2R 2 x U/Bolts, 4 x nuts, 4 x S/Washers
102	4	2	4	4	47.62 1.875	35.72 1.406	5/16-24UNF	26.99 1.038	9" Yokes - 1-1/16" CAPS
105	4	2	4	4	50.00 1.969	40.48 1.594	5/16-18UNF	28.57 1.125	9" Yokes - 1-1/8" CAPS

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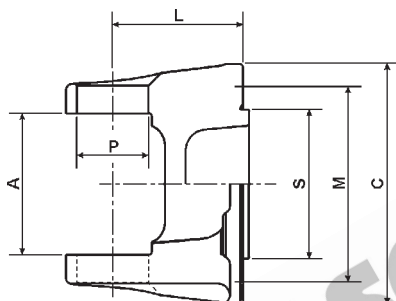
2R MECHANICS TYPE

C = 25.40

1.000

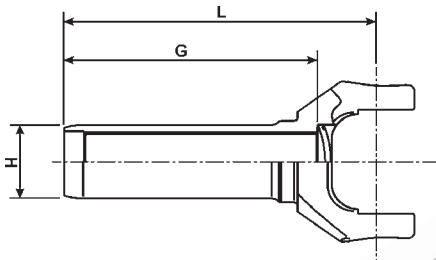
B2 = 59.44

2.340



2R FLANGE YOKE

PART No.	FLANGE DIA.	C/L OF U.J. TO FACE	SPIGOT DIA M=MALE F=FEMALE	P.C.D.	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
	C	L	S		M			
2R-2-438	92.00 3.662	38.00 1.496	M-57.00 2.244	77.83 3.064	30° SPACING	4	10.50 0.417	COMMODORE / NISSAN



2R SLIP YOKE

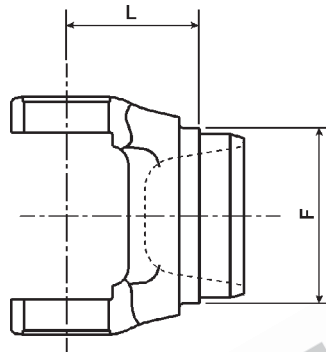
PART No.	No. OF SPLINES	SPLINE MAJOR DIA.	SPLINE MINOR DIA.	GROUND SLEEVE DIA. H	C/L TO END L	LENGTH OF HOLE G	COMMENTS
2R-3-3188	21-INV	27.96 1.101	25.58 1.007	37.97 1.495	145.20 5.717	115.05 4.530	TOYOTA 5 SPEED
2R-3-1278	27-INV	30.22 1.190	27.94 1.100	38.15 1.502	148.40 5.843	113.50 4.469	HOLDEN 253 V8 UP TO VK COMMODORE
2R-3-2398	28-INV	30.98 1.220	27.76 1.093	38.02 1.497	156.40 6.157	124.65 4.907	FORD TRANSIT, FORD 28 SPLINE RAMBLER
2R-3-2938	30-INV	32.62 1.284	30.00 1.181	41.95 1.652	155.00 6.102	125.00 4.921	COMMODORE VL TURBO MANUAL NISSAN 300ZX

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MECHANICS TYPE 2R

BUTT TYPE
H=HOLLOW
S=SOLID

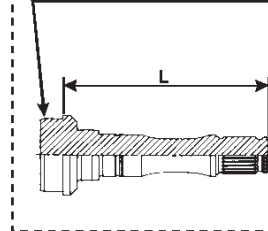


2R

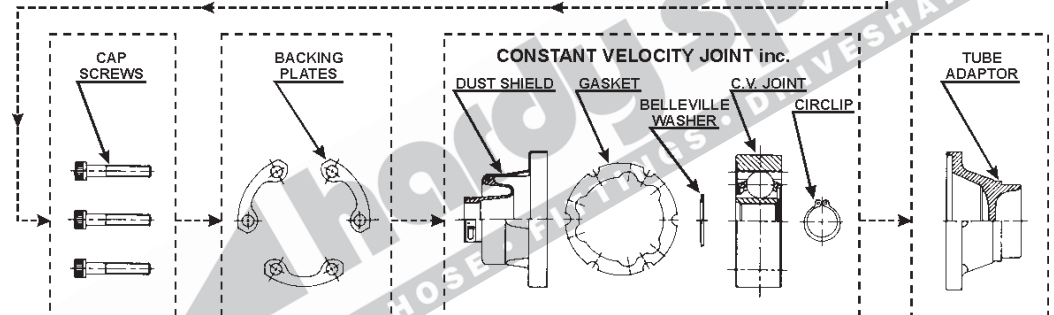
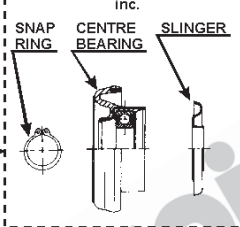
WELD YOKE

PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS F	TUBE PART No.	BUTT TYPE	COMMENTS
2R-26-295	43.00 1.693	57.15 x 2.41 2.250 x 0.095	1813-0000	H	
2R-26-212	48.00 1.890	63.50 x 1.65 2.500 x 0.065	2016-0000	H	
2R-26-234	47.00 1.850	69.85 x 1.65 2.750 x 0.065	2216-0000	H	
2R-26-224	52.00 2.047	76.20 x 1.65 3.000 x 0.065	2416-0000	H	

MIDSHIP STUB SHAFT



CENTRE BEARING ASSY inc.



2R

MID SHIP ASSEMBLY

MIDSHIP STUB SHAFT PART No.	SPLINE DIA. & No. B	END OF SPLINE TO POINT OF WELD L	TUBE PART No. & SIZE	BEAR- ING I.D.	CENTRE BEAR- ING PART No.	CV JOINT	TUBE ADAPTOR PART No.	COMMENTS
2R-56-5861	27.50-25 1.083	138.00 5.433	1813-0000 2.250 x 0.095	30.00 1.181	CB-952	CV-855A	679-R09	CAP SCREW 6 x 608-R95 + BACKING PLATE 3 x 806-R16

Note : Replacement Boot Kit Only = CV-853

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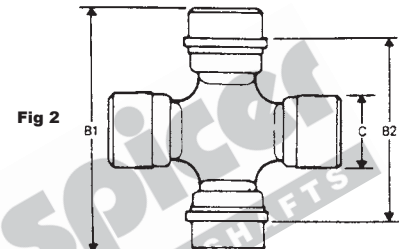
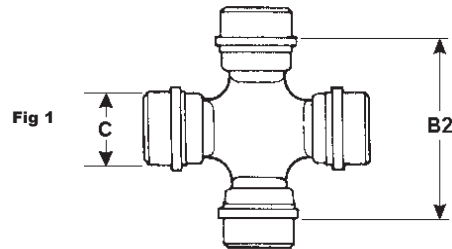
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MECHANICS TYPE 21R



21R STANDARD UNIVERSAL JOINT

PART No.	FIG	C	B2	LUBE	DESCRIPTION
RUJ-2038	1	27.39	54.00	NIL	STANDARD JOINT
RUJ-2038R	1	27.39	54.00	NIL	PREMIUM THRUST WASHER TYPE

21R CONVERSION UNIVERSAL JOINT

PART No.	FIG	C	B1	B2	E	F	LUBE	DESCRIPTION
K5-A530	2	26.99	81.76	54.00			SIDE	1310 SERIES TO 21R SERIES
RUJ-2029	2	27.39		54.00			SIDE	21R SERIES TO 8.5" SERIES FORD DIFF

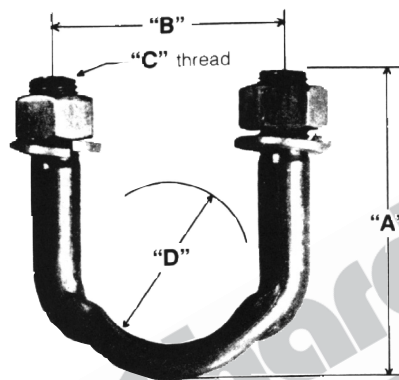


Fig 4

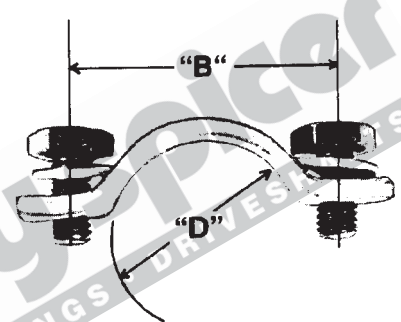


Fig 5

"C" = Hex Head Cap Screw Size

STRAP & U/BOLT KIT

PART No.	FIG	STRAPS	LOCK WASHER	CAP SCREW	A	B	C	D	SUITS SHAFT SERIES
106	5	2	4	4		38.10 1.500	1/4-28	27.39 1.078	21R
102	4	2	4	4	47.62 1.875	35.72 1.406	5/16-24UNF	26.99 1.038	9" Yokes - 1-1/16" CAPS
105	4	2	4	4	50.00 1.969	40.48 1.594	5/16-18UNF	28.57 1.125	9" Yokes - 1-1/8" CAPS

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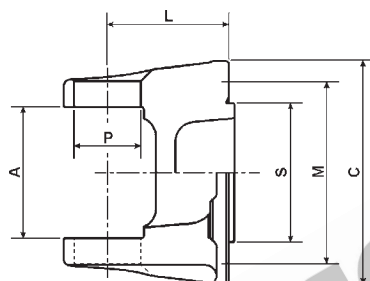
21R MECHANICS TYPE

A = 54.00

2.126

P = 27.39

1.078



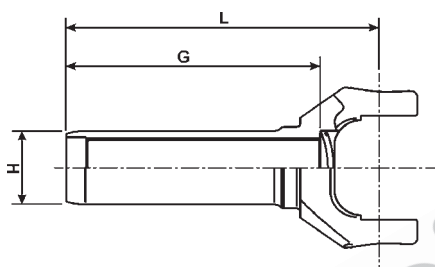
21R FLANGE YOKE

PART No.	FLANGE DIA. C	C/L OF U.J. TO FACE L	SPIGOT DIA M=MALE F=FEMALE S	P.C.D. M	BOLT HOLE PATTERN M	No. HOLES	HOLE DIA	DESCRIPTION
21R-2-503	90.00 3.543	43.00 1.690	M-44.97 1.770	73.00 2.874	45.70 x 56.70 1.799 x 2.232	4	8.30 0.327	MAZDA
21R-2-505	90.00 3.543	43.00 1.690	M-44.97 1.770	74.50 2.933	46.00 x 59.00 1.810 x 2.323	4	8.30 0.327	MAZDA ROTARY
21S-2-455	107.00 4.212	40.00 1.575	M-44.97 1.770	89.08 3.507	63.00 x 63.00 2.480 x 2.480	4	8.50 0.335	MAZDA
21S-2-453	119.00 4.685	40.00 1.575	M-44.97 1.770	96.16 3.786	68.00 x 68.00 2.677 x 2.677	4	10.15 0.400	MAZDA
21S-2-452	128.00 5.039	40.00 1.575	M-44.97 1.770	104.70 4.122	74.00 x 74.00 2.913 x 2.913	4	10.15 0.400	MAZDA
21S-2-034	106.68 4.200	40.00 1.575	M-45.00 1.772	86.36 3.400	61.00 x 61.00 2.402 x 2.402	4	10.20 0.402	MITSUBISHI
21R-2-501	92.00 3.622	40.00 1.575	M-50.00 1.969	75.00 2.953	48.00 x 58.00 1.889 x 2.283	4	8.50 0.335	NISSAN 300ZX (CENTRE)
21R-2-1309	102.50 4.251	43.00 1.693	M-50.00 1.969	81.28 3.200	57.50 x 57.50 2.264 x 2.264	4	10.50 0.413	NISSAN 300ZX (REAR)
21R-2-456	109.50 4.311	46.00 1.811	F-50.83 2.001	88.90 3.500	62.90 x 62.90 2.476 x 2.476	4	10.68 0.420	GM INDONESIA
21R-2-460	109.50 4.311	46.00 1.811	F-50.83 2.001	88.90 3.500	62.90 x 62.90 2.476 x 2.476	4	12.90 0.508	FALCON NLA USE 21R-2-456 DRILL HOLES
21R-2-444	92.00 3.662	38.00 1.496	M-57.00 2.244	77.83 3.025	67.40 x 38.92 2.653 x 1.532	4	10.50 0.413	COMMODORE
21R-2-457	96.82 3.812	30.15 1.187	M-60.33 2.375	79.38 3.125	60.80 x 51.02 2.394 x 2.009	4	9.68 0.381	21R TO 1310 FACE
21R-2-SF	108.50 4.272	40.00 1.575	M-58.50 2.303	N/A	N/A	N/A	N/A	SEMI FINISHED FULL ROUND

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MECHANICS TYPE 21R



21R

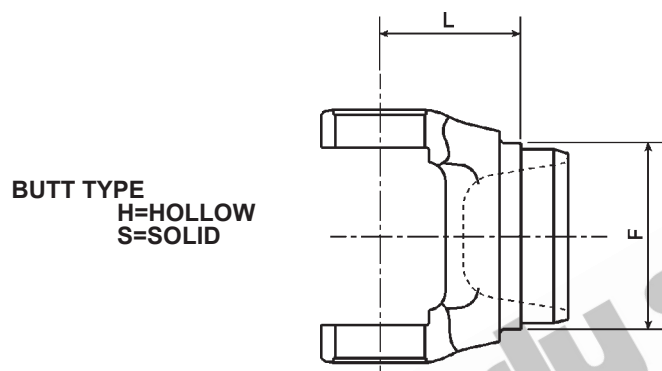
SLIP YOKE

PART No.	No. OF SPLINES	SPLINE		GROUND SLEEVE DIA. H	C/L TO END L	LENGTH OF HOLE G	COMMENTS
		MAJOR DIA.	MINOR DIA.				
21R-3-3408	16-STR	38.10 1.500	33.00 1.300	N/A	145.70 5.736	117.80 4.638	1350 SPLINE WITH DUST CAP
21R-3-3208	21-INV	27.96 1.101	25.58 1.007	37.97 1.475	145.20 5.717	115.05 4.530	TOYOTA 5 SPEED
21S-3-3328	22-INV	25.40 1.000	22.22 0.875	34.92 1.375	145.00 5.709	116.00 4.567	MAZDA, EARLY MODELS
21R-3-3558	23-INV	30.48 1.200	28.50 1.122	39.95 1.573	156.70 6.169	112.00 4.409	TOYOTA SUPRA TURBO
21R-3-3138	24-INV	25.52 1.005	23.00 0.906	34.95 1.376	155.00 6.102	127.00 5.000	SKYLINE MANUAL
21S-3-3318	25-INV	28.27 1.113	25.11 0.989	37.93 1.493	152.00 5.984	123.00 4.843	MAZDA LATE MODEL
21R-3-3548	25-INV	28.27 1.113	25.11 0.989	34.93 1.375	152.00 5.984	125.00 4.921	FORD TRANSIT
21R-3-3140	26-INV	28.52 1.123	26.00 1.024	37.95 1.494	155.00 6.102	126.00 4.961	VL COMMODORE AUTO SKYLINE AUTO
21S-3-0326	26-INV	29.36 1.156		39.60 1.559	150.00 5.900		MITSUBISHI
21S-3-3288	26-INV	29.41 1.158	26.60 1.047	39.68 1.562	174.00 6.850	145.50 5.728	CHRYSLER
21R-3-3168	27-INV	30.23 1.190	27.94 1.100	38.15 1.502	155.00 6.102	126.00 4.961	COMMODORE VN AUTO TURBO 700, T56 VT GEN3 6SPD MAN
21R-3-3158	28-INV	30.98 1.220	27.76 1.093	38.02 1.497	155.00 6.102	126.00 4.961	FORD MANUAL / AUTO C4, C10, T5, VT 5.0L 5SPD MAN 4SPD AUTO, COMMODORE VN MAN
21S-3-3248	30-INV	33.53 1.320	30.73 1.210	42.65 1.680	204.00 8.031	175.00 6.890	VALIANT TORQUE FLIGHT 29 BASED ON 30
21R-3-3738	30-INV	32.61 1.284	30.00 0.000	42.00 1.652	154.00 6.063	124.00 4.882	NISSAN 300ZX / VL COMMODORE TURBO
21R-3-3098	31-INV	35.33 1.391	32.10 1.264	42.80 1.685	157.00 6.181	126.30 4.927	FORD C6, FMX, TOPLOADER ONLY

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21R MECHANICS TYPE



21R WELD YOKE

PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS F	TUBE PART No.	BUTT TYPE	COMMENTS
21R-26-361	43.00 1.693	57.15 x 2.41 2.250 x 0.095	1813-0000	H	
21R-26-373	43.00 1.693	65.00 x 1.60 2.560 x 0.063	2016-0000	H	
21S-26-363	37.60 1.480	69.85 x 1.65 2.750 x 0.065	2216-0000	H	
21R-26-357	48.00 1.890	76.20 x 1.65 3.000 x 0.065	2416-0000	H	
21R-26-356	48.00 1.890	82.55 x 1.65 3.250 x 0.065	2615-0000	H	

21R MID SHIP ASSEMBLY

**Note : Commodore / Skyline Applications Use
17R or 2R Mid Ship Assembly
For Performance Applications Use FD- Mid Ship Assemblies.
Refer Page B4:21**

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MECHANICS TYPE 25R

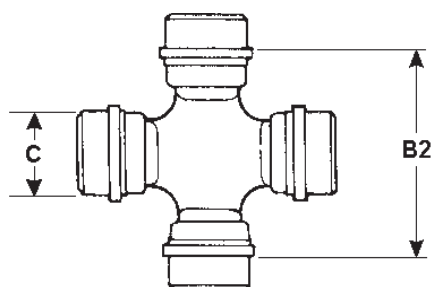


Fig 1

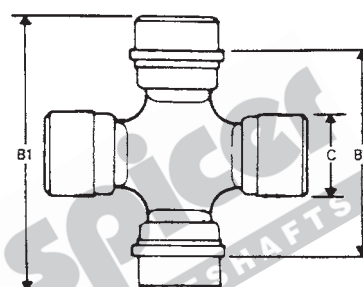


Fig 2

25R STANDARD UNIVERSAL JOINT

PART No.	FIG	C	B2	LUBE	DESCRIPTION
RUJ-2500	1	28.58	59.53	NIL	STANDARD JOINT
RUJ-2500R	1	28.58	59.53	NIL	PREMIUM THRUST WASHER TYPE
RUJ-2503	1	28.58	59.53	CAP	GREASABLE

25R CONVERSION UNIVERSAL JOINT

PART No.	FIG	C	B1	B2	E	F	LUBE	DESCRIPTION
RUJ-2502	2	28.58 26.99	81.76	59.53			NIL	25R SERIES TO 1310 SERIES

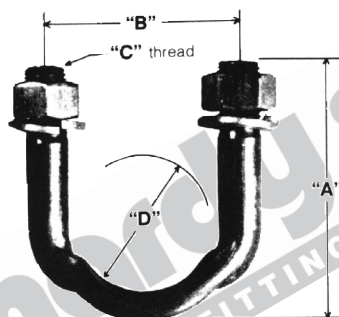


Fig 4

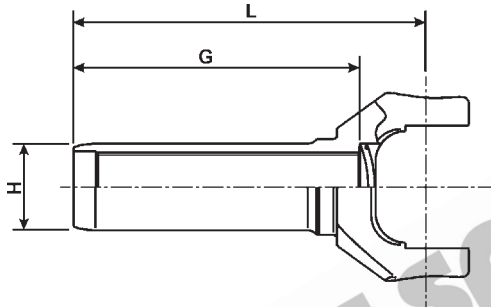
U/BOLT KIT

PART No.	FIG	U-BOLTS	LOCK WASHER	HEX NUT	A	B	C	D	SUITS SHAFT SERIES
25R-94-11	4	2	4	4	62.00 2.441	39.70 1.562	5/16-24UNF	28.58 1.125	25R 2 x U/Bolts, 4 x nuts, 4 x S/Washers
102	4	2	4	4	47.62 1.875	35.72 1.406	5/16-24UNF	26.99 1.038	9" Yokes - 1-1/16" CAPS
105	4	2	4	4	50.00 1.969	40.48 1.594	5/16-18UNC	28.57 1.125	9" Yokes - 1-1/8" CAPS

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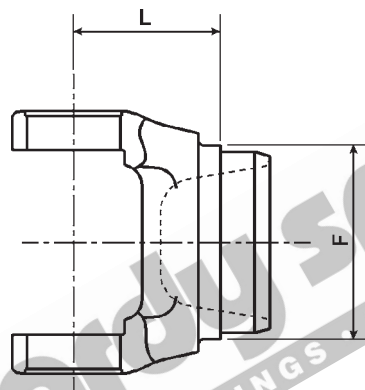
25R MECHANICS TYPE



25R SLIP YOKE

PART No.	No. OF SPLINES	SPLINE		GROUND SLEEVE DIA. H	C/L TO END L	LENGTH OF HOLE G	COMMENTS
		MAJOR DIA.	MINOR DIA.				
25R-3-1908	14-INV	31.80 1.252	27.58 1.068	41.25 1.624	90.47 3.562	58.72 2.312	JOHN DEERE
25R-3-1488	27-INV	30.22 1.190	27.94 1.100	38.15 1.502	149.20 5.874	116.67 4.593	HOLDEN 1 TONNE
25R-3-1538	32-INV	35.48 1.397	33.20 1.307	47.87 1.885	182.30 7.177	148.20 5.835	HOLDEN 350 V8 AUTO TURBO 400

BUTT TYPE
H=HOLLOW
S=SOLID



25R WELD YOKE

PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS F	TUBE PART No.	BUTT TYPE	COMMENTS
25R-26-296	41.00 1.614	57.15 x 2.41 2.250 x 0.095	1813-0000	H	
25R-26-222	46.00 1.811	63.50 x 1.65 2.500 x 0.065	2016-0000	H	
25R-26-215	46.00 1.811	69.85 x 1.65 2.750 x 0.065	2216-0000	H	
25R-26-216	46.00 1.811	76.20 x 1.65 3.000 x 0.065	2416-0000	H	

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MECHANICS TYPE 3R

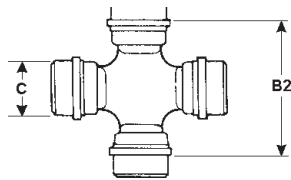


Fig 1

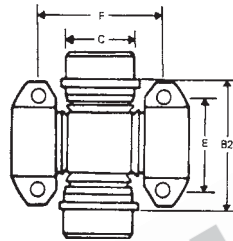


Fig 2

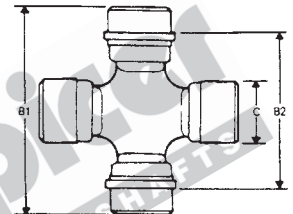


Fig 3

3R STANDARD UNIVERSAL JOINT

PART No.	FIG	C	B2	LUBE	DESCRIPTION
114-3105	1	28.58	65.10	SIDE	STANDARD JOINT
114-3105HD	1	28.58	65.10	SIDE	SOLID CROSS HEAVY DUTY JOINT

3R CONVERSION UNIVERSAL JOINT

PART No.	FIG	C	B1	B2	E	F	LUBE	DESCRIPTION
114-3102	2	28.58		65.10	36.52	69.85	SIDE	3R SERIES TO 3C SERIES
114-596	3	26.99 28.58	92.08	65.10			SIDE	1330 SERIES TO 3R SERIES

* If a NEW shaft is required use 1310 Series or 1330 Series preferred.

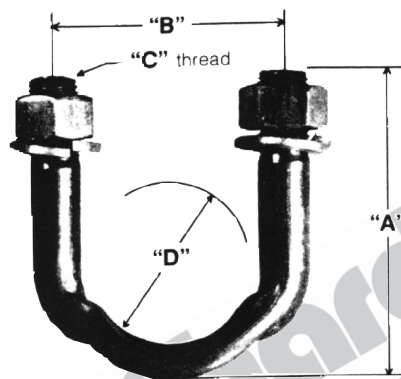


Fig 4

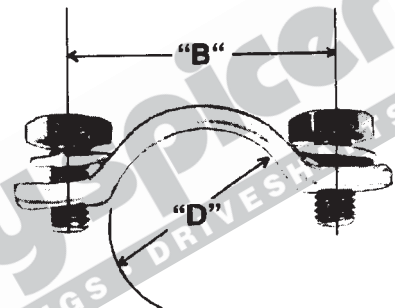


Fig 5

STRAP & U/BOLT KIT

PART No.	FIG	STRAPS	LOCK WASHER	CAP SCREW	A	B	C	D	SUITS SHAFT SERIES
108	5	2	4	4		46.04 1.812	5/16-24	28.57 1.125	3R
3R-94-10	4	2	4	4	63.97 2.125	38.60 1.520	5/16-24UNF	28.58 1.125	3R
102	4	2	4	4	47.62 1.875	35.72 1.406	5/16-24UNF	26.99 1.038	9" Yokes - 1-1/16" CAPS
105	4	2	4	4	50.00 1.969	40.48 1.594	5/16-18UNF	28.57 1.125	9" Yokes - 1-1/8" CAPS

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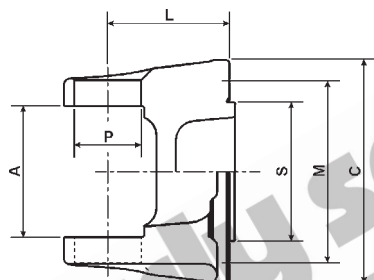
3R MECHANICS TYPE

C = 28.58

1.125

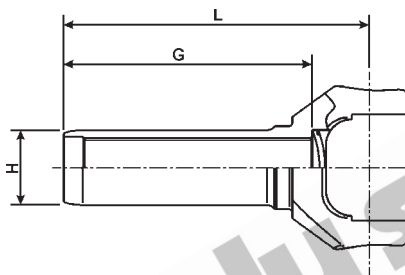
B2 = 65.10

2.563



3R FLANGE YOKE

PART No.	FLANGE DIA.	C/L OF U.J. TO FACE L	SPIGOT DIA M=MALE F=FEMALE S	P.C.D.	BOLT HOLE PATTERN M	No. HOLES	HOLE DIA	DESCRIPTION
3R-2-8268	125.48 4.940	42.93 1.690	F-79.37 3.125	107.95 4.250	76.20 x 76.20 3.000 x 3.000	4	11.38 0.448	



3R SLIP YOKE

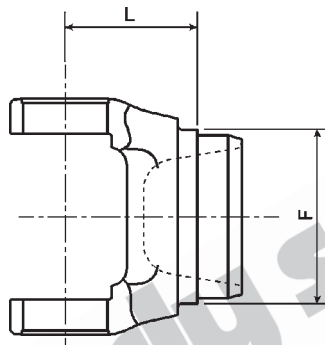
PART No.	No. OF SPLINES	SPLINE		GROUND SLEEVE DIA. H	C/L TO END L	LENGTH OF HOLE G	COMMENTS
		MAJOR DIA.	MINOR DIA.				
3R-3-6081X	27-INV	30.22 1.190	27.94 1.100	38.15 1.502	138.94 5.470	116.59 4.590	TURBO 350 / 700
3R-3-9131X	32-INV	35.48 1.397	33.20 1.307	47.87 1.885	200.02 7.875	168.27 6.625	TURBO 400

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MECHANICS TYPE 3R

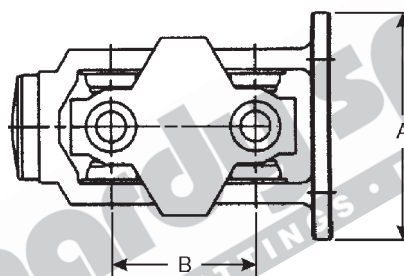
BUTT TYPE
H=HOLLOW
S=SOLID



3R

WELD YOKE

PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS F	TUBE PART No.	BUTT TYPE	COMMENTS
3R-28-307	44.45 1.750	69.85 x 1.65 2.750 x 0.065	2216-0000	H	
3R-28-327	47.75 1.880	76.20 x 1.65 3.000 x 0.065	2416-0000	H	



3R

DOUBLE CARDAN ASSEMBLY

PART No.	FLANGE DIA. A	P.C.D. 4.250	No HOLES	SPIGOT DIA. F-3.125	C/LINE TO C/LINE B	TUBE SIZE	BALL REPAIR KIT PART No.	COMMENTS
4137268	125.50 5.125	107.95 4.250	4	F-79.38 F-3.125	82.55 3.250	50.80 X 3.05 2.000 X 0.120	CVK2A	SUITS ARMY LANDROVER 6X6

Centre H Bar Yoke **3R-26-057** (3.250" C-C)
Other centre kits are available for 3R cardan assemblies.

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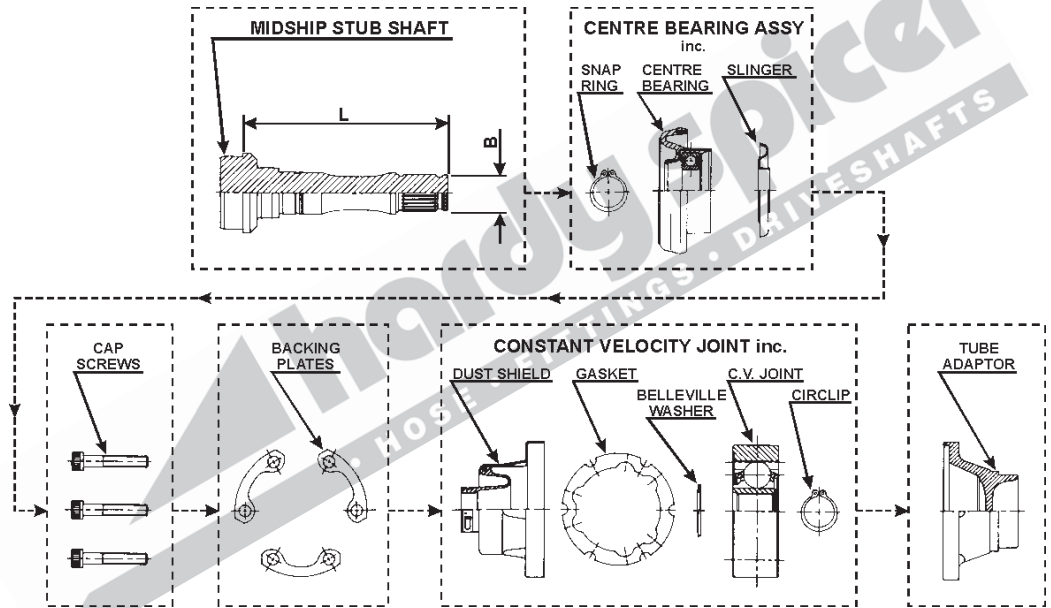
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MID SHIP ASSEMBLIES



MID SHIP ASSEMBLIES

MIDSHIP STUB SHAFT PART No.	SPLINE DIA. & No. B	END OF SPLINE TO POINT OF WELD L	TUBE PART No. & SIZE	BEARING I.D.	CENTRE BEARING PART No.	CV JOINT	TUBE ADAPTOR PART No.	COMMENTS
17R-56-5821	26.46-24	144.00	1813-0000	30.00	CB-952	CV-856	679-R08	CAP SCREW 6 x 608-R95 + BACKING PLATE 3 x 806-R15
NLA	1.083	5.433	2.250 x 0.095	1.181				
2R-56-5861	27.50-25	138.00	1813-0000	30.00	CB-952	CV-855A	679-R09 #	CAP SCREW 6 x 608-R95 + BACKING PLATE 3 x 806-R16
	1.083	5.433	2.250 x 0.095	1.181				
2R-56-5861-25	27.50-25	138.00	2014-0000	30.00	CB-952	CV-855A	679-R09 #	CAP SCREW 6 x 608-R95 + BACKING PLATE 3 x 806-R16
	1.083	5.433	2.500 x 0.083	1.181				
FD-56-2918	30.30-28	140.00	2013-0000	35.00	211187X	CV-862	679-R11	CAP SCREW 6 BACKING PLATE 3 x 806-R25
	1.193	5.512	2.500 x 0.095	1.378	FD-30-5835			
FD-56-2918-30	30.30-28	140.00	2414-0000	35.00	211187X	CV-862	679-R14	CAP SCREW 6 BACKING PLATE 3 x 806-R25
	1.193	5.512	3.000 x 0.083	1.378	FD-30-5835			

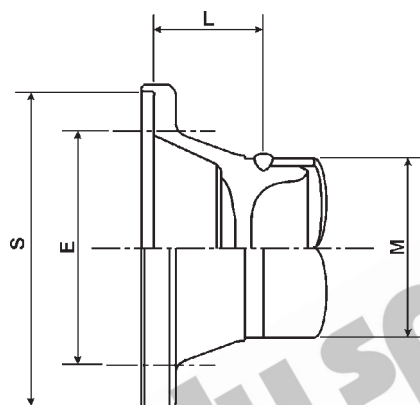
Note :
 Replacement Boot Kit Only for CV-856 = CV-852
 Replacement Boot Kit Only for CV-855A = CV-853
 Replacement Boot Kit Only for CV-862 = CV-863

Other adaptors available for larger tube diameters,
 Refer page B4:20

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MID SHIP ASSEMBLIES



MECHANICS

TUBE ADAPTORS

PART No.	FLANGE INSIDE DIA.	TAPPED BOLT HOLES P.C.D.	THREAD SIZE	No. OF	TUBE O.D. & WALL THICKNESS	TUBE PART No.	ADAPTOR FACE TO POINT OF WELD L	SUITS CV JOINT PART No.
	S	E			M			
679-R08	94.00 3.701	80.00 3.150	M8 x 1.25	6	57.15 x 2.41 2.250 x 0.095	1813-0000	39.00 1.535	CV-856
679-R09	99.79 3.929	86.00 3.386	M8 x 1.25	6	57.15 x 2.41 2.250 x 0.095	1813-0000	35.00 1.378	CV-855A
679-R10	99.99 3.937	86.00 3.386	M8 x 1.25	6	63.50 x 2.41 2.500 x 0.095	2013-0000	35.00 1.378	CV-855A
679-R11	108.00 4.252	94.00 3.701	M10 x 1.25	6	63.50 x 2.41 2.500 x 0.095	2013-0000	42.00 1.654	CV-862
679-R12	99.99 3.937	86.00 3.386	M8 x 1.25	6	76.20 x 1.65 3.000 x 0.065	2416-0000	35.00 1.378	CV-855A
679-R13	98.00 3.858	86.00 3.386	M8 x 1.25	6	63.50 x 2.11 2.500 x 0.083	2014-0000	35.00 1.378	CV-861
679-R14	108.00 4.252	94.00 3.701	M10 x 1.25	6	76.20 x 2.11 3.000 x 0.083	2414-0000	42.00 1.654	CV-862

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TRIPOD COUPLING TYPE

FORD

Application	Image	Part No.	PCD	Bolt Dia	OD	Bore	Width
BA FALCON 6 cyl (EXCEPT TURBO) 5 Speed MAN/4 Speed AUTO BF FALCON 6 cyl 5 Speed MAN/4 Speed AUTO		GAJ-1-0	96mm	12mm	134mm	50mm	35mm
BA/BF SERIES I FALCON V8 & TURBO 6 cyl BA MKII 6 cyl 6 Speed AUTO BF 6 cyl SERIES I 6 Speed AUTO		GAG03-001-0	105mm	12mm	142mm	56mm	32/35mm Inc. 18mm Spigot
BF FALCON SERIES II on FG FALCON		GAD03-001-0	110mm	12mm	148mm	56mm	32/35mm Inc. 18mm Spigot
TRANSIT		GAF01-003-0	105mm	12mm	142mm	56mm	32/35mm Inc. 18mm Spigot
TRANSIT		GAF01-002-0	120mm	14mm	160mm	64mm	40.5 / 43.5mm Inc. 20mm Spigot

HOLDEN

Application	Image	Part No.	PCD	Bolt Dia	OD	Bore	Width
COMMODORE VS / VT V6 MANUAL (Front only) (comes complete with 96RC-100-344 coupling, 6 bolts, 6 lock nuts & centre bush)		RCA-1059	96mm	12mm	133mm	49mm	30mm
COMMODORE VT SERIES 1 UP TO 6/99 V8 MANUAL (Front only) (comes complete with 100-R337 coupling, 3 bolts, 6 lock nuts)		RCA-1058	100mm	12mm	149mm	41mm	36/40mm Inc. 18mm Spigot
COMMODORE VT SERIES 2 6/99 ON 5.7L V8 GEN 3 MANUAL ONLY (Front only)		10005422	96mm	12mm	133mm	49mm	35/38mm Inc. 18mm Spigot
COMMODORE VX-VZ VE UP TO 03/2008 V6 AUTO FRONT & REAR V6 MANUAL FRONT ONLY (comes complete with 96RC-100-344 coupling, 6 bolts, 6 lock nuts)		RCA-1060	96mm	12mm	132mm	50mm	30mm
COMMODORE VX-VZ V8 MANUAL & AUTO F&R ALL VX-VE TO 03/08 REAR (EXCEPT V6 AUTO) (comes complete with 100-R324 coupling, 3 bolts, 3 lock nuts)		RCA-1061	96mm	12mm	133mm	49mm	35mm

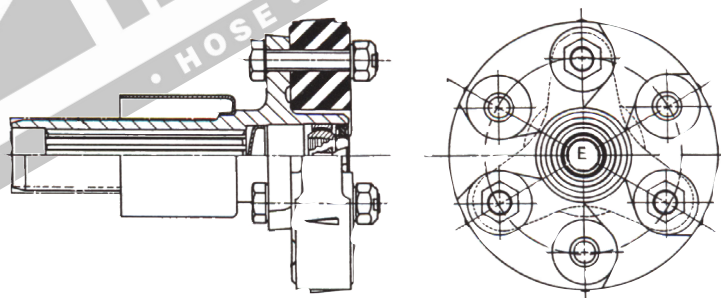
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TRIPOD COUPLING TYPE

HOLDEN Cont.

Application	Image	Part No.	PCD	Bolt Dia	OD	Bore	Width
COMMODORE VE V8 FRONT & REAR CREWMAN 2004 on V8 AUTO VZ CAB CHASSIS (SOME VZ HSV APPLICATIONS)		RCA-1062	110mm	12mm	152mm	58mm	35/38.5mm Inc. 18mm Spigot
(comes complete with coupling, 6 bolts, 6 lock nuts & centre bush)							
COMMODORE VE V6 FRONT & REAR 3/2008 on		10175274	105mm	12mm	141mm	56mm	32/35mm Inc. 18mm Spigot



TRIPOD

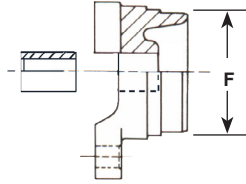
SLIP YOKE

PART No.	No. OF SPLINES	SPLINE		GROUND SLEEVE DIA. H	FACE TO END L	LENGTH OF HOLE G	COMMENTS
		MAJOR DIA.	MINOR DIA.				
96RC-3-3168	27-INV	30.23 1.190	27.94 1.100	38.15 1.502	135.00 5.315	115.00 4.528	VX COMMODORE ON VT GEN3 6SPD MAN T56 96mm P.C.D. COUPLING NOT INCL.
105RC-3-7747	27-INV	30.23 1.190	27.94 1.100	38.15 1.502	133.00 5.236	115.00 4.528	VE (MY09) V6 3/2008 ON 105mm P.C.D. COUPLING NOT INCL.
110RC-3-5146	27-INV	30.23 1.190	27.94 1.100	38.15 1.502	.	.	VE COMMODORE V8 110mm P.C.D. COUPLING NOT INCL.
96RC-3-3580	28-INV	30.98 1.220	27.76 1.093	38.02 1.497	161.00 6.339	141.00 5.551	BA FALCON, VT V8 MAN 5.0L ONLY T5 96mm P.C.D. COUPLING NOT INCL.
105RC-3-1776	31-INV	35.30 1.390	32.10 1.264	42.80 1.685	141.08 5.554	121.10 4.768	FALCON 105mm P.C.D. COUPLING NOT INCL.

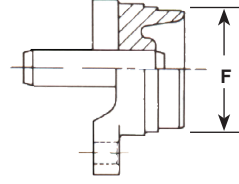
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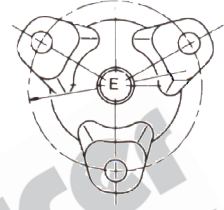
TRIPOD COUPLING TYPE



BUSH TYPE



PIN TYPE



TRIPOD

WELD YOKE

PART No.	P.C.D. E	TUBE O.D. & WALL THICKNESS F	TUBE PART No.	TYPE	COMMENTS
96RC-26-3918	96.00 3.780	54.00 x 1.65 2.125 x 0.065		PIN	16mm PIN & SPIGOT BOLT FACES
96RC-26-U687	96.00 3.780	63.50 x 2.10 2.500 x 0.083	2014-0000	PIN	16mm PIN - NO SPIGOT FORD
96RC-26-4008	96.00 3.780	54.00 x 1.65 2.125 x 0.065		PIN	16mm PIN - NO SPIGOT
96RC-26-4018	96.00 3.780	54.00 x 1.65 2.125 x 0.065		BUSH	14mm BUSH - NO SPIGOT
96RC-26-4028	96.00 3.780	54.00 x 1.65 2.125 x 0.067		BUSH	16mm BUSH - NO SPIGOT
96RC-26-6016	96.00 3.780	60.00 x 1.70 2.125 x 0.065		BUSH	16mm BUSH - NO SPIGOT VE V6 MY07
110RC-26-7494	110.00 4.331	60.00 x 1.75 2.362 x 0.069		PIN	16mm PIN - 18mm BOLT SPIGOT SUPPLIED WITHOUT BUSH
110RC-26-7495	110.00 4.331	63.50 x 2.10 2.500 x 0.083		BUSH	16mm BUSH - 18mm BOLT SPIGOT
110RC-26-U1263	110.00 4.331	63.50 x 2.10 2.500 x 0.083	2014-0000	BUSH	16mm BUSH - 18mm BOLT SPIGOT FORD
105RC-26-7745*	105.00 4.134			PIN	16mm PIN - 18mm BOLT SPIGOT VE (MY09) V6 3/2008 - FRONT
105RC-26-U686	105.00 4.134	63.50 x 2.10 2.500 x 0.083	2014-0000	PIN	16mm PIN - 18mm BOLT SPIGOT FORD
105RC-26-5267*	105.00 4.134			BUSH	16mm BUSH - 18mm BOLT SPIGOT VE (MY09) V6 3/2008 - REAR

* WILL ALSO SUIT SOME FORDS WHEN USED WITH A TUBE COLLAR

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TRIPOD COUPLING TYPE

CENTERING BUSH

Vehicle / Model	Image	Hardy Spicer Part No.	Length	OD	Bore
BMW Various models Teflon bearing		LZB01-005-0	20.3mm	28mm	14mm
COMMODORE Suits Commodore 14mm Mainly fixed G/Box flange type		UD-32-138	48.5mm	32mm	14mm
COMMODORE / FALCON Suits most popular Commodore & most Ford shafts		UD-32-140	48.5mm	32mm	16mm
FALCON With 31 Spline & 105mm PCD Couplings		UD-32-146	48.5mm	37mm	16mm
CHRYSLER Suits Chrysler with 18mm pin		UD-32-732 #	50.8mm	31mm	18mm
VF LSA HSV GTS Teflon Lined		LZ000-022	51mm	31mm	16mm

INDENT ONLY

B:4-26

Hardy Spicer Rear Wheel Drive Catalogue

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NOTES



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