



Iss 01/05/97

4 (overdrive) speed transverse front wheel drive with lock up.
Camry 86 on.
Transmission code ST161/ST162

AISIN-WARNER
A142

Illus	Description	Year	Part No.	Illus	Description	Year	Part No.
	KITS						
	Master for Camry		179 01 01		Race, thrust bearing 0.003"		179 22 11
	Master for MR2		179 01 02		Race, thrust bearing 0.055"		179 22 12
	Master for ST161/St162		179 01 04		Thrust direct clutch drum		179 22 13
	Overhaul for Camry		179 02 01		Thrust planet carrier #3		179 22 14
	Overhaul for MR2		179 02 02		Thrust planet carrier #2	(2)	179 22 15
	Overhaul for ST161/St162		179 02 04		Needle bearing input shaft		179 23 01
					Needle bearing planet flange		179 23 02
					Needle bearing planet gear		179 23 02
	GASKETS				Needle bearing planetary gear		179 23 03
	Pan		179 25 01		Needle bearing rear planet flange		179 23 04
	Upper valve body Camry 2.0 A140L	83-	179 25 06		Needle bearing overdrive drum		179 23 05
	Lower valve body Camry 2.0 A140L	83-	179 25 07				
	Upper valve body cover Camry 2.0 A140L	83-	179 25 08		TOOLS		
	Lower valve body cover Camry 2.0 A140L	83-	179 25 09		Manual		179 33 20
	Valve body tube and seal		179 20 01				
	METAL CLAD SEALS				HARD PARTS		
	Pump		112 15 01		Pinion load crush collar		184 20 01
	Pinion shaft		179 15 05				
	Axle shaft		179 15 06				
	Speedo		179 15 04				
	Manual lever		179 15 07				
	CLUTCH PLATES						
	1st clutch (direct) friction 126mm x 1.9 x 40T	(3)	184 11 04				
	1st clutch (direct) steel 126mm x 1.7 x 8T	(3)	184 12 01				
	1st clutch (direct) pressure						
	2nd clutch (forward) friction 126mm x 1.7 x 40T	(4)	184 11 01				
	2nd clutch (forward) steel 126mm x 1.7 x 8T	(4)	184 12 01				
	2nd clutch (forward) pressure						
	2nd brake friction 142mm x 1.9 x 33T	(3)	189 11 03				
	2nd brake steel	(3)	184 12 02				
	2nd brake pressure						
	Low & rev friction 142mm x 1.7 x 33T	(6)	159 11 02				
	Low & rev steel	(6)	184 12 02				
	Low & rev pressure	(2)					
	Overdrive brake friction 142mm x 1.9 x 33T	(3)	189 11 06				
	Overdrive brake steel	(3)	189 12 09				
	Overdrive direct friction 126mm x 1.7 x 40T	(2)	184 11 04				
	Overdrive direct steel 126mm x 1.7 x 8T	(2)	184 12 01				
	FILTER						
	Pick up		184 27 02				
	BAND						
	Second clutch coast band		184 14 01				
	BUSHES & BEARINGS						
	Pump bush		112 21 01				
	Roller bearing int shaft to case		179 46 01				
	Roller bearing int shaft front & rear	(2)	179 46 02				
	Roller bearing pinion shaft	(2)	179 46 03				
	Roller bearing differential	(2)	179 46 04				
	THRUST WASHERS						
	Front gearset planet thrust 0.695" x 0.350" x 0.018"		112 22 10				
	Rear gearset planet thrust 0.695" x 0.350" x 0.018"		112 22 10				
	Race, input shaft front		179 22 01				
	Race, input shaft rear		179 22 02				
	Race, front planet flange rear		179 22 02				
	Race, front planet flange front		179 22 03				
	Race, front planet gear rear		179 22 05				
	Race, front planet gear front		179 22 04				
	Race, front planet gear front		179 22 03				
	Race, planet to sun gear		179 22 06				
	Race, rear planet flange		179 22 07				
	Race, direct clutch O/D drum		179 22 08				
	Race, O/drive case		179 22 09				
	Race, stator shaft to clutch drum		179 22 10				