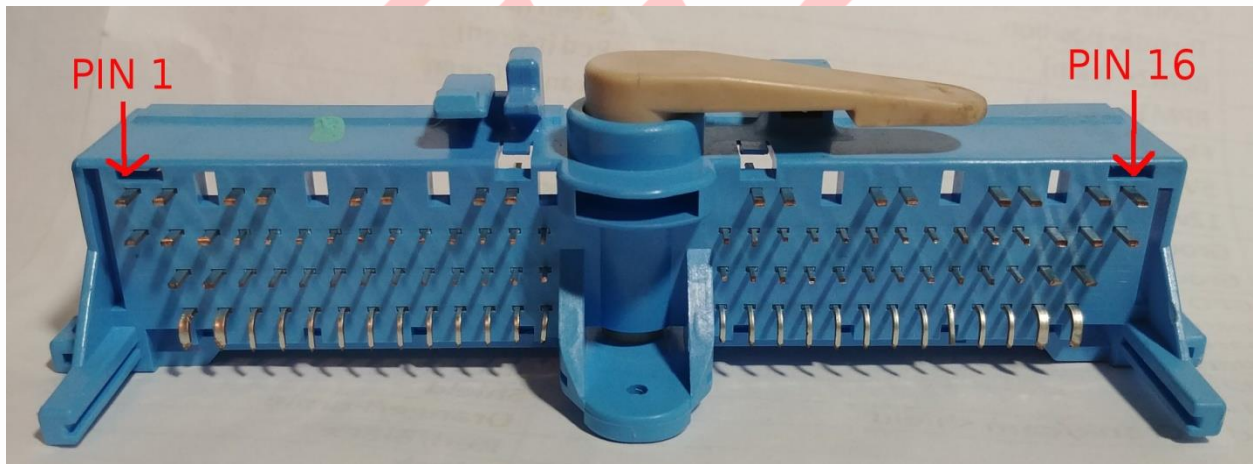


SPEEDY EFI

Fishdog ECU to Subaru 96-98

Blue Camlock header:

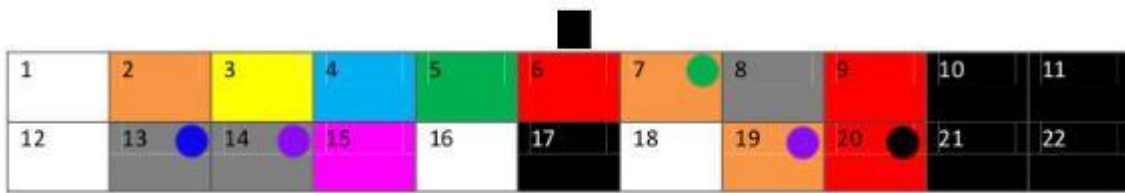
Wiring and notes.



Ⓚ84 (Light blue)

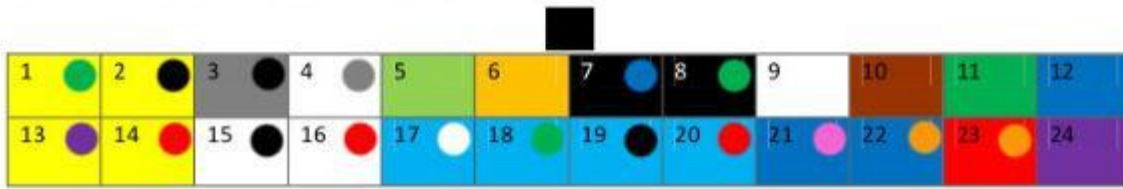
1	2	3	4	5	6	7	8		9	10	11	12	13	14	15	16											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	
	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	

96-98 Subaru Camlock SpeedyEFI Fishdog Pinout: Small header (2x11)



PIN	Function	Color	Subaru header pin
1	GPI	X	
2	Intake air temp	Orange	Flying lead
3	Coolant temp	Yellow	22
4	Throttle position	Light Blue	6
5	RPM2+ (cam)	Green (paired)	7
6	RPM1+ (crank)	Red (paired)	8
7	Flex	Orange/Green	
8	5V ref	Gray	21
9	12v in	Red	1,2
10	Ground	Black	19, 20
11	Ground	Black	94, 95
12	GPO	X	
13	Spare input 2	Gray/Blue	
14	Spare input 1	Gray/Purple	
15	Wideband O2	Pink	Flying lead
16	RPM2-	White (paired)	28
17	RPM1-	Black (paired)	28
18	Ground – Crank/cam shield	Shield	54
19	Knock	Orange/Purple	
20	Launch- clutch switch	Red/Black	Flying lead
21	Ground	Black	17, 18
22	Ground	Black	46, 69

96-98 Subaru Camlock SpeedyEFI Fishdog Pinout: Large header (2x12)



Pin	Function	Color	Subaru Header pin
1	Stepper Idle A2	Yellow/Green	
2	Stepper Idle B1	Yellow/Black	
3	Ignition 4	Gray/Black	
4	Ignition 3	White/Gray	
5	VVT	Light Green	
6	Boost	Tan	
7	PWM Idle 2	Black/Blue	13
8	PWM Idle 1	Black/Green	14
9	Injector 4	White	16- cyl4
10	Injector 3	Brown	70- cyl2
11	Injector 2	Green	44- cyl3
12	Injector 1	Blue	96- cyl1
13	Stepper Idle B2	Yellow/Purple	
14	Stepper Idle A1	Yellow/Red	
15	Ignition 2	White/Black	40
16	Ignition 1	White/Red	41
17	Low Current Output 4	Light Blue/White	
18	Low Current Output 3	Light Blue/Green	
19	Low Current Output 2	Light Blue/Black	
20	Low Current Output 1	Light Blue/Red	
21	Fan 2	Blue/Pink	
22	Fan 1	Blue/Orange	73, 74
23	Tach out	Red/Orange	64
24	Fuel pump trigger	Purple	32

NOTES:

Intake air temp sensor must be installed and wired to the orange speedy wire and ground. You can repurpose the MAF signal wire, or run a new wire.

Wideband oxygen sensor input must be run to the pink speedy wire. We highly recommend sourcing 12v and ground for the wideband at the same points the speedy gets them.

Launch control- Clutch switch wire needs "T"ed to the Green/Yellow stripe wire at the clutch switch.

The IGNITION switch wire at PIN 85 is hot when the key is in run and start. For correct main relay operation it needs jumpered to PIN 63 (self shutoff control).

A/C Equipped cars:

The Subaru a/c switch outputs 12v when on, but the a/c system needs a grounding signal. For stock style a/c function a relay and blocking diode (1n4007) will need to be installed as per the diagram below.

SpeedyEFI Subaru A/C conversion relay
96-98 camlock header

