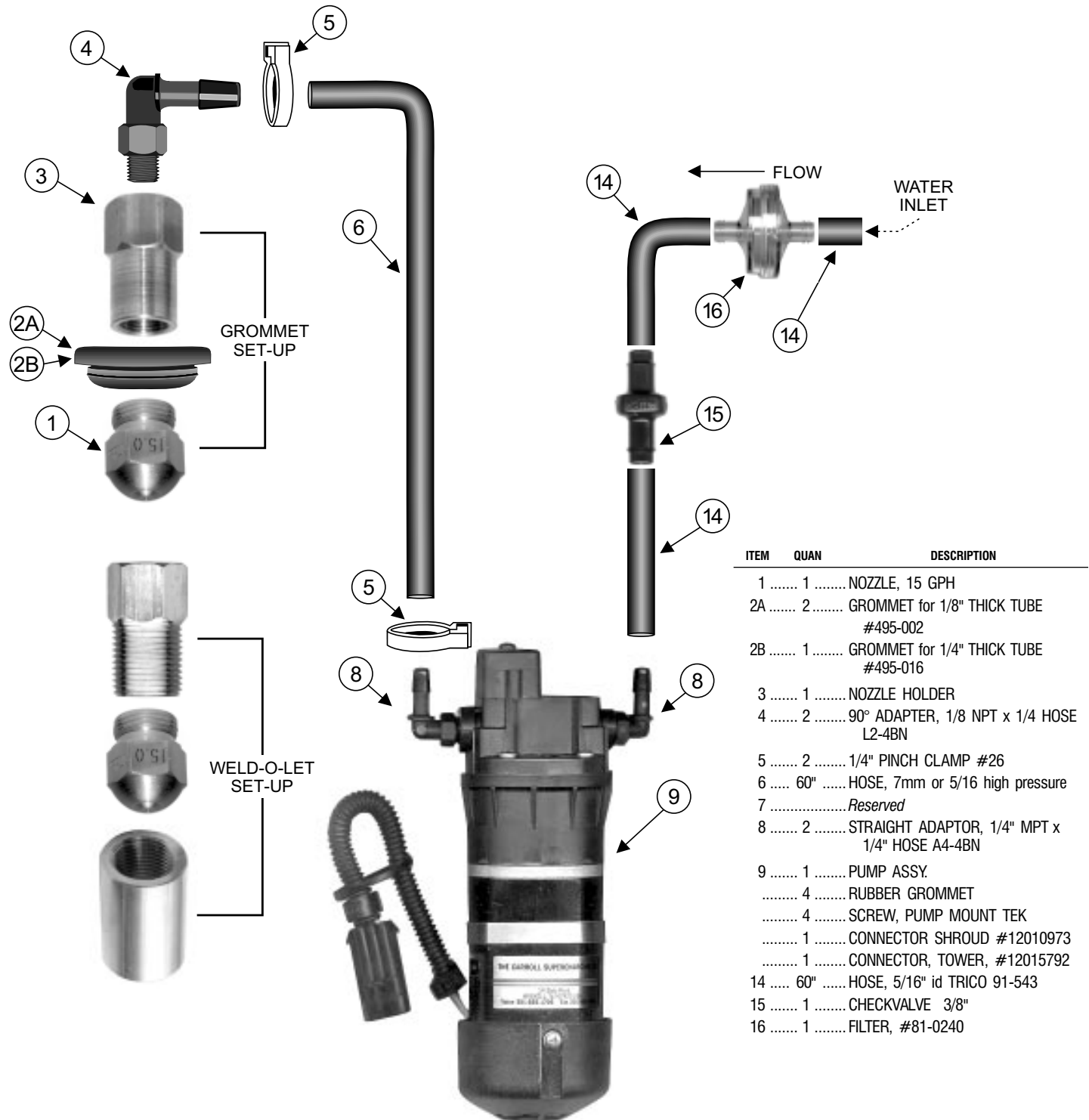
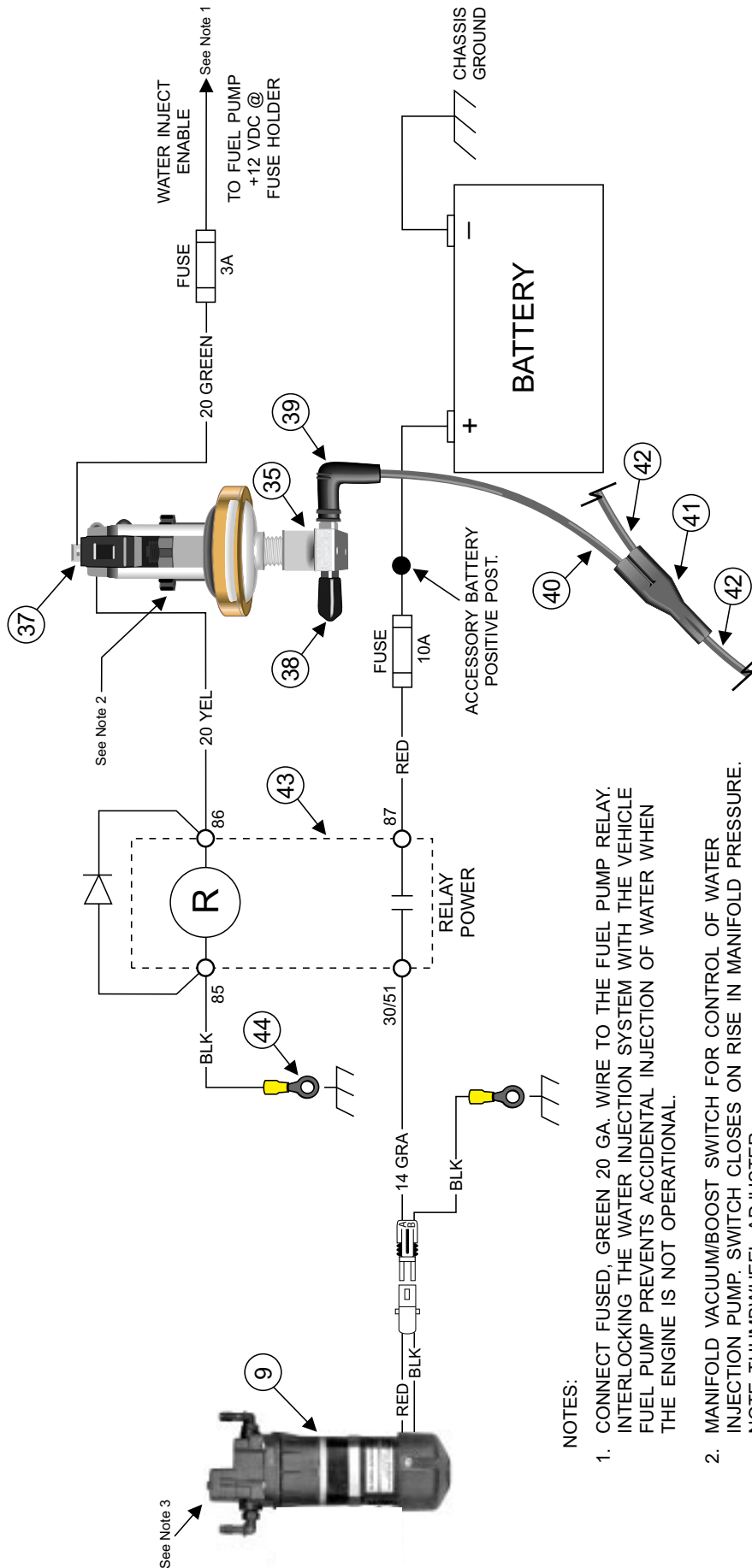


TYPICAL STANDARD GASEOUS INTERCOOLING™ SYSTEM ALTERNATE MECHANICAL COMPONENTS



TYPICAL MECHANICAL SYSTEM COMPONENTS FOR STANDARD GASEOUS INTERCOOLING™ SYSTEM

ITEM	DESCRIPTION	QTY	PART NO.	CHECKED
.....	ADAPTOR, nylon elbow to "U" tube, 1/8" NPT x 7mm barbed hose	1	L2-4BN	☐
.....	ADAPTOR, pump discharge, 1/4" NPT x 1/4" barbed hose	1	A4-4BN	☐
.....	ADAPTOR, pump inlet, elbow, 1/4" NPT x 3/8" barbed hose	1	L4-6BN	☐
.....	ADAPTOR, for solenoid	2	A4-4BN	☐
.....	BLADDER, water reservoir, 22" x 12.5" with center outlet hose	1	B-10050	☐
.....	CLAMP, #23, pinch, for 7mm water injection discharge hose	2	2306	☐
.....	CLAMP, #26, pinch, bladder hose to filter & pumper inlet	3	2312	☐
.....	CLAMP, #23, pinch, for solenoid	2	2306	☐
.....	CONNECTOR, electrical, 2 position female, pump motor	1	12010973	☐
.....	CONNECTOR, electrical, 2 position male, harness to pump motor	1	12015792	☐
.....	CONNECTOR, 2 position male, solenoid	1	12015792	☐
.....	CONNECTOR, 2 position female, harness to solenoid	1	12010973	☐
.....	DIODE, suppressor for relay coil	1	1N4001	☐
.....	FILTER, water	1	81-0240	☐
.....	FUSE, ATC 10 ampere, blade type	1	F-10A	☐
.....	FUSE, DTC 3 ampere, blade type	1	F-3A	☐
.....	FUSEHOLDER, blade type, in-line weather resistant	2	270-1213	☐
.....	GROMMET, for nozzle holder into 1/8" aluminum	1	495-002	☐
.....	GROMMET, for nozzle holder into 1/4" aluminum	1	495-016	☐
.....	HARNESS, wiring	1	SWH-100	☐
.....	HOSE, 1/8" x 36", engine manifold to boost switch	1	91-515C	☐
.....	HOSE, discharge, 7mm x 41" long, solenoid to nozzle	1	N20 357.1	☐
.....	HOSE, water inlet 5/16"	6'		☐
.....	HOSE, discharge 7mm, pump to solenoid	3'	N20 357.1	☐
.....	LABEL, plastic lamacoid: WATER INJECTION – 10 AMP	1	LABEL.1	☐
.....	LABEL, plastic lamacoid: WATER INJECTION ENABLE – 3A	1	LABEL.2	☐
.....	NOZZLE, water injection, stainless steel	1	N-15 GPH	☐
.....	NOZZLE HOLDER, brass	1	1078	☐
.....	NUT, nylock 10/32 for water injection pump mount bracket	4	NPN	☐
.....	PUMP, high pressure, 12V DC electric motor	1	2310	☐
.....	RELAY, 30 ampere	1	332-019-150	☐
.....	SCREW, 10/32 x 1-1/4" long, sicket head C/S, for pump mount	4	NPN	☐
.....	SCREW, TEK, to attach ground wire to chassis	1	84927	☐
.....	SCREW, TEK, to mount relay to firewall	2	84928	☐
.....	SWITCH, manifold pressure	1	F5100-2	☐
.....	TY-WRAP, overall length 4" x 1/16	5	9502	☐
.....	TY WRAP, overall length 8-1/2" x 1/16	15	9518	☐
.....	VALVE, checkvalve, 3/8" x 3/8" barbed, for water bladder	1	A430	☐
.....	WASHER, #10 S/S for water injection pump mount bracket	4	NPN	☐
.....	WASHER, 10/32 fender washer	4	NPN	☐
.....	WELD-O-LET, aluminum	1	A-1077	☐



- NOTES:
1. CONNECT FUSED, GREEN 20 GA. WIRE TO THE FUEL PUMP RELAY. INTERLOCKING THE WATER INJECTION SYSTEM WITH THE VEHICLE FUEL PUMP PREVENTS ACCIDENTAL INJECTION OF WATER WHEN THE ENGINE IS NOT OPERATIONAL.
2. MANIFOLD VACUUM/BOOST SWITCH FOR CONTROL OF WATER INJECTION PUMP. SWITCH CLOSING ON RISE IN MANIFOLD PRESSURE. NOTE THUMBWHEEL ADJUSTER.
3. NORMALLY CLOSED PRESSURE SWITCH ON DISCHARGE SIDE OF PUMP HEAD. SWITCH OPENS AT ≈ 15 PSIG OF WATER PRESSURE.
4. _____ 20 YEL _____ DENOTES WIRE GAUGE AND COLOR.

ITEM	QUAN	DESCRIPTION
37	1	ADJUSTABLE PRESSURE SWITCH
39	1	ELBOW, P1239A
38	1	VACUUM CAP (May be used as test point)
43	1	30 AMPERE POWER RELAY
44	3	TERMINAL EYE P14-14RC
9	1	WATER INJECTION PUMP
40	60"	1/8" VAC/BOOST HOSE, T15240
41	1	"Y" ADAPTOR, P1239A
42	1	EXISTING SUPERPUMPER™ MAP SENSOR
35	1	ADAPTOR, BRASS, MOUNTING BASE

TYPICAL STANDARD GASEOUS INTERCOOLING™ HOOK-UP DIAGRAM