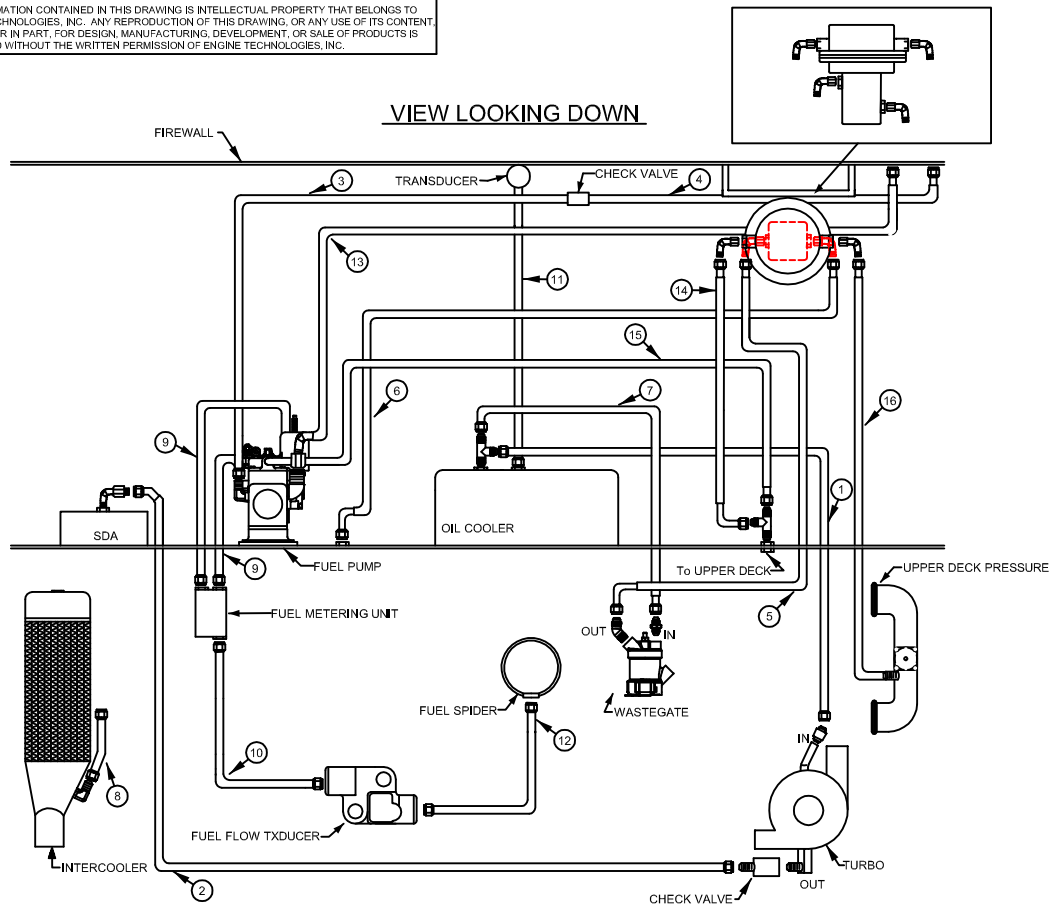


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Item	Hose Routing Air Carrying Hose	Aircraft	TSO C53a Hose	TSO C140 Lightweight Hose	DIA ø	Length (Inches)	Notes
These hoses may be replaced based on condition							
14	Controller to upper deck pressure	All	AE1014036G0140 STR/45°	101005-6CR-0120 STR/90°	3/8	14.00 12.00	
15	Upper deck to fuel pump	All	AE1014036E0180 STR/45°	101003-4CR-0180 STR/45°	1/4	18.00	
16	Compressor to controller	All	AE1014035G0200 STR/STR	101001-6CR-0200 STR/STR	3/8	20.00	
17	Manifold pressure	All	AE1014035B0346 STR/STR	101001-3CR-0300 STR/STR	3/16	34.75 30.00	NOT SHOWN. GOES FROM ENGINE INDUCTION TO FIREWALL OR TO MAP TRANSDUCER

REVISION			
CHG LTR	DESCRIPTION	DATE	APPROVED
A	EO #1599	10/19/17	J. WELL
B	EO #1600	10/23/17	J. WELL
C	EO #1603	10/27/17	J. WELL

Item	Hose Routing Fuel Carrying Hose	Aircraft	TSO C53a Hose	TSO C140 Lightweight Hose	DIA ø	Length (in.)	Notes
Turbonormalized Bonanza Hose List STC's SA5223NM and SE5222NM							
1	Turbo Oil Supply	All	AE1014035E0150 STR/STR	101001-4CR-0150 STR/STR	1/4	15.00	
2	Turbo to SDA	All	AE1014036H0441 STR/45°	101003-8CR-0441 STR/45°	1/2	44.13	
3	Vapor return to check valve	All	AE1014035E0227 STR/STR	101003-4CR-0227 STR/45°	1/4	22.88	
4	Vapor return from check valve	All	AE1014037E0280 STR/90°	101005-4CR-0280 STR/90°	1/4	28.00	
5	Wastegate to controller	33 series, 35 series 36, A36	AE1014037G0200 STR/90°	101005-6CR-0200 STR/90°	3/8	20.00	With kidney panel on L/H firewall
		33 series, 35 series A36, A36TC, B36TC	AE1014037G0260 STR/90°	101005-6CR-0260 STR/90°	3/8	26.00	Without kidney panel on L/H firewall
		G36	AE1014037G0300 STR/90°	101005-6CR-0300 STR/90°	3/8	30.00	
6	Controller to Back of the Case	33 series, 35 series 36, A36	AE1014037G0260 STR/90°	101005-6CR-0240 STR/90°	3/8	26.00 24.00	With kidney panel on firewall
		A36, A36TC, B36TC	AE1014037G0200 STR/90°	101005-6CR-0180 STR/90°	3/8	20.00 18.00	Without kidney panel on firewall
		G36	AE1014037G0120 STR/90°	101005-6CR-0120 STR/90°	3/8	12.00	
7	Oil pressure to wastegate actuator	All	AE1014035E0200 STR/STR	101001-4CR-0200 STR/STR	1/4	20.00	
8	Induction Drain	All	AE1014035E0140 STR/STR	950312-4D0040	1/4	14.00	For Rammer II intercooler
Engine Change Hoses not part of turbonormalizing STC. Recommended that these hoses be replaced every ten years.							
9	Fuel pump to fuel metering unit	All	AE1010435E0410 STR/STR	101005-4CR-0410 STR/90°	1/4	41.00	2 hoses req'd
10	Fuel Metering Unit to FF txducer	All	AE1014035E0360 STR/STR	101001-4CR-0360 STR/STR	1/4	36.00	
11	Oil Pressure to gage or transducer	All	AE1014035B0190 STR/STR	101001-3CR-0190 STR/STR	3/16	19.00	
12	Fuel Flow txducer to fuel spider	All	AE1014035E0067 STR/STR	101001-4CR-0067 STR/STR	1/4	6.88	
13	Main fuel supply to fuel pump	33 series, 35 series 36, A36, G36	AE1014035G0190 STR/STR	101001-6CR-0190 STR/STR	3/8	19.00	
		A36TC, B36TC	AE1014037H0190 STR/90°	101005-8CR-0190 STR/90°	1/2	19.00	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE							
DECIMALS ANGLES			ENGINE TECHNOLOGIES, INC. 400 AIRPORT ROAD ADA, OKLAHOMA 74820				
.001, .010 .001, .010			DRAWN: J. Erwin		8/4/17		TITLE: Bonanza Hose Layout FIG. NO. 39
MACH. FORMED			CHECK:				DRAWING NO.: 35-6500021
±1°			STRESS:				REV. C
C			APPROVED:				SCALE: NTS
C			RECEIVED:				SHEET 1 OF 1