

330160-0XX WITHOUT BIR, WITHOUT VLD VARIATIONS - SEE SHEET 1  
 330160-1XX WITH BIR, WITHOUT VLD VARIATIONS - SEE SHEET 2  
 330160-2XX WITHOUT BIR, WITH VLD VARIATIONS - SEE SHEET 3  
 330160-3XX WITH BIR, WITH VLD VARIATIONS - SEE SHEET 4

330160-0XX WITHOUT BIR, WITHOUT VLD

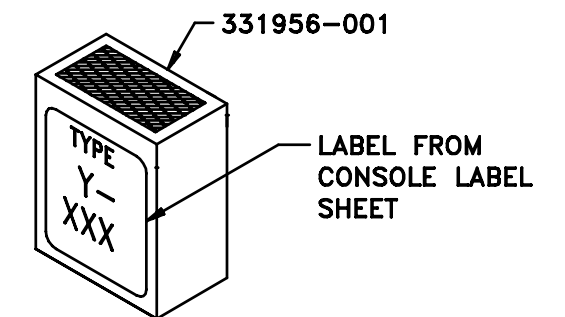
SOFTWARE MODULE	FEATURES	SOFTWARE MODULE	FEATURES	SOFTWARE MODULE	FEATURES	SOFTWARE MODULE	FEATURES
		330160-010	P1C2C	330160-020	TLC	330160-030	P1C2C TLC
330160-002	CS	330160-012	P1C2C CS	330160-022	TLC CS	330160-032	P1C2C TLC CS
330160-003	FL	330160-013	P1C2C FL	330160-023	TLC FL	330160-033	P1C2C TLC FL
330160-004	ISD	330160-014	P1C2C ISD	330160-024	TLC ISD	330160-034	P1C2C TLC ISD
330160-005	CS FL	330160-015	P1C2C CS FL	330160-025	TLC CS FL	330160-035	P1C2C TLC CS FL
330160-006	CS ISD	330160-016	P1C2C CS ISD	330160-026	TLC CS ISD	330160-036	P1C2C TLC CS ISD
330160-007	FL ISD	330160-017	P1C2C FL ISD	330160-027	TLC FL ISD	330160-037	P1C2C TLC FL ISD
330160-009	CS FL ISD	330160-019	P1C2C CS FL ISD	330160-029	TLC CS FL ISD	330160-039	P1C2C TLC CS FL ISD
		330160-050	WP1D	330160-070	TLC WP1D		
		330160-052	WP1D CS	330160-072	TLC WP1D CS		
		330160-053	WP1D FL	330160-073	TLC WP1D FL		
		330160-054	WP1D ISD	330160-074	TLC WP1D ISD		
		330160-055	WP1D CS FL	330160-075	TLC WP1D CS FL		
		330160-056	WP1D CS ISD	330160-076	TLC WP1D CS ISD		
		330160-057	WP1D FL ISD	330160-077	TLC WP1D FL ISD		
		330160-059	WP1D CS FL ISD	330160-079	TLC WP1D CS FL ISD		
		330160-060	WP1D2C	330160-080	TLC WP1D2C		
		330160-062	WP1D2C CS	330160-082	TLC WP1D2C CS		
		330160-063	WP1D2C FL	330160-083	TLC WP1D2C FL		
		330160-064	WP1D2C ISD	330160-084	TLC WP1D2C ISD		
		330160-065	WP1D2C CS FL	330160-085	TLC WP1D2C CS FL		
		330160-066	WP1D2C CS ISD	330160-086	TLC WP1D2C CS ISD		
		330160-067	WP1D2C FL ISD	330160-087	TLC WP1D2C FL ISD		
		330160-069	WP1D2C CS FL ISD	330160-089	TLC WP1D2C CS FL ISD		

REV	DESCRIPTION	BY	DATE	ECO
Q	NOTE 1-REMOVE REF. TO NV RAM NOTE 3-MAKE FROM WAS 576001-571	CAR	3/3/03	T350-012
R	330160-005 UPDATED FEATURE SET	CAR	12/03/03	DCSL-190
S	UPDATED SEMS TO INCORPORATE ISD WITH EXTENSIVE CHANGES TO TABLE A	CAR	07/26/05	DCSL-244
T	REMOVED ISD FROM 330160-155	CAR	08/25/05	DCSL-245
U	ATTACHED UPDATED ZIP FILES FOR 330160-065 AND 330160-164	CAR	03/16/06	DCSL-259
V	DRAWING RE-FORMATED, SEE HISTORY	CAR	04/10/07	T378-001


NOTES:

1. MAKE FROM SEM HOUSING GROUP, 331956-001.
2. APPLICABLE DATA FILES ARE CONTAINED IN THE ATTACHED ZIP FILES.

EXPLANATION OF VARIATIONS AND SEM GROUP PART NUMBER	
0XX	WITHOUT BIR, WITHOUT VLD
1XX	WITH BIR, WITHOUT VLD
2XX	WITHOUT BIR, WITH VLD
3XX	WITH BIR, WITH VLD
XX2	CS - CSLD FOR MANIFOLD TANKS
XX3	FL - FUEL MANAGEMENT REORDER
XX4	ISD - IN-STATION DIAGNOSTICS
X1X	P1C2C - PLLD .1 AND .2 CONTINUOUS
X2X	TLC - TANKER LOADING CONTROL
X5X	WP1D - WPLLD AND PLLD .1 ON-DEMAND
X6X	WP1D2C - WPLLD AND PLLD .1 ON-DEMAND AND .2 CONTINUOUS



(Y = 6TH DIGIT OF SEM P/N)  
 (XXX = 3 DIGIT SUFFIX OF SEM P/N)


DO NOT SCALE DRAWING				
	NAME	DATE	NEXT GRP.	-----
DESIGNER	D.TAGGART	11/20/95	ASSEMBLY	329350 SERIES
PROJECT	B. ANDREW	11/95	FORM NO	8470/8482
MATERIAL	 SIMSBURY, CONNECTICUT 06070 U.S.A. NOTICE - THIS DOCUMENT IS THE PROPERTY OF THE VEEDER-ROOT COMPANY AND IS NOT TO BE DISCLOSED, REPRODUCED IN WHOLE OR IN PART, OR USED FOR MANUFACTURE BY ANYONE WITHOUT VEEDER-ROOT'S WRITTEN CONSENT.			
REFERENCE MFG. SPEC. VRS 81005 WHERE IT IS APPLICABLE				
UNSPECIFIED TOLERANCES +/- 0.005	SIZE D	DRAWING NUMBER 330160-000	REV. V	STATUS REL
	SCALE NONE	SHEET 1	OF 4	

330160-0XX WITHOUT BIR, WITHOUT VLD VARIATIONS - SEE SHEET 1  
 330160-1XX WITH BIR, WITHOUT VLD VARIATIONS - SEE SHEET 2  
 330160-2XX WITHOUT BIR, WITH VLD VARIATIONS - SEE SHEET 3  
 330160-3XX WITH BIR, WITH VLD VARIATIONS - SEE SHEET 4

330160-1XX WITH BIR, WITHOUT VLD

SOFTWARE MODULE	FEATURES	SOFTWARE MODULE	FEATURES	SOFTWARE MODULE	FEATURES	SOFTWARE MODULE	FEATURES
330160-100	WITH BIR, NO VLD	330160-110	P1C2C	330160-120	TLC	330160-130	P1C2C TLC
330160-102	CS	330160-112	P1C2C CS	330160-122	TLC CS	330160-132	P1C2C TLC CS
330160-103	FL	330160-113	P1C2C FL	330160-123	TLC FL	330160-133	P1C2C TLC FL
330160-104	ISD	330160-114	P1C2C ISD	330160-124	TLC ISD	330160-134	P1C2C TLC ISD
330160-105	CS FL	330160-115	P1C2C CS FL	330160-125	TLC CS FL	330160-135	P1C2C TLC CS FL
330160-106	CS ISD	330160-116	P1C2C CS ISD	330160-126	TLC CS ISD	330160-136	P1C2C TLC CS ISD
330160-107	FL ISD	330160-117	P1C2C FL ISD	330160-127	TLC FL ISD	330160-137	P1C2C TLC FL ISD
330160-109	CS FL ISD	330160-119	P1C2C CS FL ISD	330160-129	TLC CS FL ISD	330160-139	P1C2C TLC CS FL ISD
		330160-150	WP1D	330160-170	TLC WP1D		
		330160-152	WP1D CS	330160-172	TLC WP1D CS		
		330160-153	WP1D FL	330160-173	TLC WP1D FL		
		330160-154	WP1D ISD	330160-174	TLC WP1D ISD		
		330160-155	WP1D CS FL	330160-175	TLC WP1D CS FL		
		330160-156	WP1D CS ISD	330160-176	TLC WP1D CS ISD		
		330160-157	WP1D FL ISD	330160-177	TLC WP1D FL ISD		
		330160-159	WP1D CS FL ISD	330160-179	TLC WP1D CS FL ISD		
		330160-160	WP1D2C	330160-180	TLC WP1D2C		
		330160-162	WP1D2C CS	330160-182	TLC WP1D2C CS		
		330160-163	WP1D2C FL	330160-183	TLC WP1D2C FL		
		330160-164	WP1D2C ISD	330160-184	TLC WP1D2C ISD		
		330160-165	WP1D2C CS FL	330160-185	TLC WP1D2C CS FL		
		330160-166	WP1D2C CS ISD	330160-186	TLC WP1D2C CS ISD		
		330160-167	WP1D2C FL ISD	330160-187	TLC WP1D2C FL ISD		
		330160-169	WP1D2C CS FL ISD	330160-189	TLC WP1D2C CS FL ISD		

EXPLANATION OF VARIATIONS AND SEM GROUP PART NUMBER	
0XX	WITHOUT BIR, WITHOUT VLD
1XX	WITH BIR, WITHOUT VLD
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3XX	WITH BIR, WITH VLD
XX2	CS - CSLD FOR MANIFOLD TANKS
XX3	FL - FUEL MANAGEMENT REORDER
XX4	ISD - IN-STATION DIAGNOSTICS
X1X	P1C2C - PLLD .1 AND .2 CONTINUOUS
X2X	TLC - TANKER LOADING CONTROL
X5X	WP1D - WPLLD AND PLLD .1 ON-DEMAND
X6X	WP1D2C - WPLLD AND PLLD .1 ON-DEMAND AND .2 CONTINUOUS


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GROUP - SEM TLS-350			
SIZE	DRAWING NUMBER	REV.	STATUS
D	330160-000	V	REL
SCALE	NONE	SHEET	2 OF 4

330160-0XX WITHOUT BIR, WITHOUT VLD VARIATIONS - SEE SHEET 1  
 330160-1XX WITH BIR, WITHOUT VLD VARIATIONS - SEE SHEET 2  
 330160-2XX WITHOUT BIR, WITH VLD VARIATIONS - SEE SHEET 3  
 330160-3XX WITH BIR, WITH VLD VARIATIONS - SEE SHEET 4

330160-2XX WITHOUT BIR, WITH VLD

SOFTWARE MODULE	FEATURES	SOFTWARE MODULE	FEATURES	SOFTWARE MODULE	FEATURES	SOFTWARE MODULE	FEATURES
330160-200	WITHOUT BIR, WITH VLD	330160-210	P1C2C	330160-220	TLC	330160-230	P1C2C TLC
330160-202	CS	330160-212	P1C2C CS	330160-222	TLC CS	330160-232	P1C2C TLC CS
330160-203	FL	330160-213	P1C2C FL	330160-223	TLC FL	330160-233	P1C2C TLC FL
330160-204	ISD	330160-214	P1C2C ISD	330160-224	TLC ISD	330160-234	P1C2C TLC ISD
330160-205	CS FL	330160-215	P1C2C CS FL	330160-225	TLC CS FL	330160-235	P1C2C TLC CS FL
330160-206	CS ISD	330160-216	P1C2C CS ISD	330160-226	TLC CS ISD	330160-236	P1C2C TLC CS ISD
330160-207	FL ISD	330160-217	P1C2C FL ISD	330160-227	TLC FL ISD	330160-237	P1C2C TLC FL ISD
330160-209	CS FL ISD	330160-219	P1C2C CS FL ISD	330160-229	TLC CS FL ISD	330160-239	P1C2C TLC CS FL ISD
		330160-250	WP1D	330160-270	TLC WP1D		
		330160-252	WP1D CS	330160-272	TLC WP1D CS		
		330160-253	WP1D FL	330160-273	TLC WP1D FL		
		330160-254	WP1D ISD	330160-274	TLC WP1D ISD		
		330160-255	WP1D CS FL	330160-275	TLC WP1D CS FL		
		330160-256	WP1D CS ISD	330160-276	TLC WP1D CS ISD		
		330160-257	WP1D FL ISD	330160-277	TLC WP1D FL ISD		
		330160-259	WP1D CS FL ISD	330160-279	TLC WP1D CS FL ISD		
		330160-260	WP1D2C	330160-280	TLC WP1D2C		
		330160-262	WP1D2C CS	330160-282	TLC WP1D2C CS		
		330160-263	WP1D2C FL	330160-283	TLC WP1D2C FL		
		330160-264	WP1D2C ISD	330160-284	TLC WP1D2C ISD		
		330160-265	WP1D2C CS FL	330160-285	TLC WP1D2C CS FL		
		330160-266	WP1D2C CS ISD	330160-286	TLC WP1D2C CS ISD		
		330160-267	WP1D2C FL ISD	330160-287	TLC WP1D2C FL ISD		
		330160-269	WP1D2C CS FL ISD	330160-289	TLC WP1D2C CS FL ISD		

EXPLANATION OF VARIATIONS AND SEM GROUP PART NUMBER	
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**GROUP - SEM  
 TLS-350**


SIZE	DRAWING NUMBER	REV.	STATUS
D	330160-000	V	REL
SCALE	NONE	SHEET	3 OF 4

330160-0XX WITHOUT BIR, WITHOUT VLD VARIATIONS - SEE SHEET 1  
 330160-1XX WITH BIR, WITHOUT VLD VARIATIONS - SEE SHEET 2  
 330160-2XX WITHOUT BIR, WITH VLD VARIATIONS - SEE SHEET 3  
 330160-3XX WITH BIR, WITH VLD VARIATIONS - SEE SHEET 4

330160-3XX WITH BIR, WITH VLD

SOFTWARE MODULE	FEATURES	SOFTWARE MODULE	FEATURES	SOFTWARE MODULE	FEATURES	SOFTWARE MODULE	FEATURES
330160-300	WITH BIR, WITH VLD	330160-310	P1C2C	330160-320	TLC	330160-330	P1C2C TLC
330160-302	CS	330160-312	P1C2C CS	330160-322	TLC CS	330160-332	P1C2C TLC CS
330160-303	FL	330160-313	P1C2C FL	330160-323	TLC FL	330160-333	P1C2C TLC FL
330160-304	ISD	330160-314	P1C2C ISD	330160-324	TLC ISD	330160-334	P1C2C TLC ISD
330160-305	CS FL	330160-315	P1C2C CS FL	330160-325	TLC CS FL	330160-335	P1C2C TLC CS FL
330160-306	CS ISD	330160-316	P1C2C CS ISD	330160-326	TLC CS ISD	330160-336	P1C2C TLC CS ISD
330160-307	FL ISD	330160-317	P1C2C FL ISD	330160-327	TLC FL ISD	330160-337	P1C2C TLC FL ISD
330160-309	CS FL ISD	330160-319	P1C2C CS FL ISD	330160-329	TLC CS FL ISD	330160-339	P1C2C TLC CS FL ISD
		330160-350	WP1D	330160-370	TLC WP1D		
		330160-352	WP1D CS	330160-372	TLC WP1D CS		
		330160-353	WP1D FL	330160-373	TLC WP1D FL		
		330160-354	WP1D ISD	330160-374	TLC WP1D ISD		
		330160-355	WP1D CS FL	330160-375	TLC WP1D CS FL		
		330160-356	WP1D CS ISD	330160-376	TLC WP1D CS ISD		
		330160-357	WP1D FL ISD	330160-377	TLC WP1D FL ISD		
		330160-359	WP1D CS FL ISD	330160-379	TLC WP1D CS FL ISD		
		330160-360	WP1D2C	330160-380	TLC WP1D2C		
		330160-362	WP1D2C CS	330160-382	TLC WP1D2C CS		
		330160-363	WP1D2C FL	330160-383	TLC WP1D2C FL		
		330160-364	WP1D2C ISD	330160-384	TLC WP1D2C ISD		
		330160-365	WP1D2C CS FL	330160-385	TLC WP1D2C CS FL		
		330160-366	WP1D2C CS ISD	330160-386	TLC WP1D2C CS ISD		
		330160-367	WP1D2C FL ISD	330160-387	TLC WP1D2C FL ISD		
		330160-369	WP1D2C CS FL ISD	330160-389	TLC WP1D2C CS FL ISD		

EXPLANATION OF VARIATIONS AND SEM GROUP PART NUMBER	
0XX	WITHOUT BIR, WITHOUT VLD
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**GROUP - SEM  
 TLS-350**

SIZE	DRAWING NUMBER	REV.	STATUS
D	330160-000	V	REL
SCALE	NONE	SHEET	4 OF 4