# Senders

## Application Guide

| SENDER TYPE | CODE | PART NUMBER |
|---|---|---|
| **Signaflex Sender (Diesel Signaflex Tachs):** | A | IA96042 |
| Sender Drive Tang, .104" square x .104" square | A | 52776P |
| Sender Drive Tang, .104" square x .152" dia. | A | IH59129 |
| Sender Drive Tang, .104" square x .187" dia. | A | IA59335 |
| Sender Drive Tang, .104" square x .203" dia. | A | 5933676P |

*NOTE: Signaflex senders and drive tips are for domestic diesel engines only and will not work properly with offshore makes such as Lehman, Renault, Volvo, Yanmar, etc.*

| | | |
|---|---|---|
| **Magnetic Proximity Sender (Diesel Tachs):** | B | 1507678P |

| | | |
|---|---|---|
| **Pressure Sender (1/8 NPT Thread):** | C | |
| *Single Station (240-33 Ohm):* | | |
| 0-80 PSI | C | IA15001 |
| 0-100 PSI | C | IA15016 |
| *Dual Station (120-17 Ohm):* | | |
| 0-80 PSI | C | IA15003 |
| 0-100 PSI | C | IA15023 |

| | | |
|---|---|---|
| **Temperature (120°-240°F):** | D | |
| *Single Station (240 Ohm @ 120°F):* | | |
| 1/8 NPT Thread, 120°-240°F | D | 52320S010 |
| 1/4 NPT Thread, 120°-240°F | D | 52320S004 |
| 3/8 NPT Thread, 120°-240°F | D | 52320S009 |
| 1/2 NPT Thread, 120°-240°F | D | 52320S003 |
| *Dual Station (120 Ohm @ 120°F):* | | |
| 1/4 NPT Thread, 120°-240°F | D | 52320S016 |
| 3/8 NPT Thread, 120°-240°F | D | 52320S018 |
| 1/2 NPT Thread, 120°-240°F | D | 52320S017 |

| | | |
|---|---|---|
| **Temperature (140°-320°F):** | E | |
| **Stewart-Warner Match** | | |
| *Single Station:* | | |
| 1/8 NPT Thread, 140°-320°F | E | 52320S006 |
| 3/8 NPT Thread, 140°-320°F | E | 52320S008 |
| 1/2 NPT Thread, 140°-320°F | E | 52320S020 |

| | | |
|---|---|---|
| **Fuel (240-33 Ohm range, SAE pattern):** | F | 90424P |

### CODE A SIGNAFLEX SENDER
**IA96042**

ACCEPTS .104" SQUARE DRIVE TANG

7/8 UNF-18 CLASS 2A THD.

2.40

1.81

.61

3.75
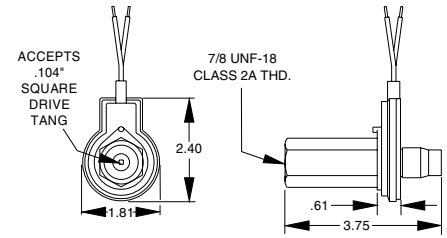
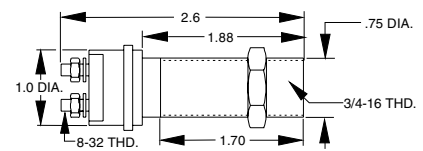**DRIVE TANG WITH SQUARE END (52776P)**
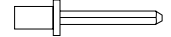
**DRIVE TANG WITH KEYED END (ALL OTHERS)**
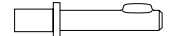
### CODE B MAGNETIC PROXIMITY SENDER
**1507678P**

2.6

1.88

.75 DIA.

1.0 DIA.

3/4-16 THD.

8-32 THD.

1.70

### CODE C PRESSURE SENDERS

10-32 THREAD

1/8" NPT
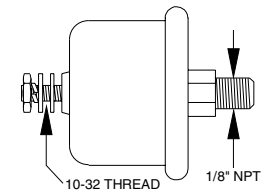
### CODE D TEMP. SENDERS 120°-240°F
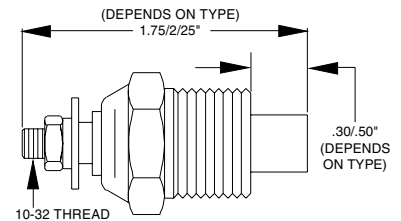
### CODE E TEMP. SENDERS STEWART-WARNER® MATCH

(DEPENDS ON TYPE) 1.75/2/25"

.30/.50" (DEPENDS ON TYPE)

10-32 THREAD
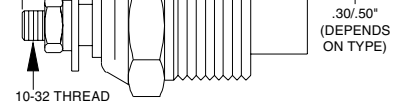
### CODE F FUEL SENDER (SINGLE STATION)

FLANGE MOUNTING DETAIL:

.52 .52

.205 HOLE, TYP. 5 PLACES

2.85

68°

68°

72°

72°

.09 DIA. INDEX MARK

2.125 BOLT CIRCLE

12-1/4"

13"

84°

2-3/16"

5/8"

1/4"

17-3/8"

INDEX MARK

LEFT OR RIGHT ARM
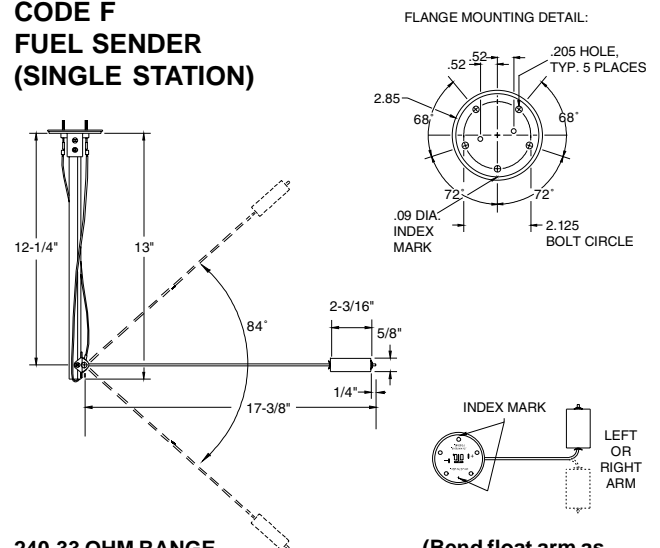
**240-33 OHM RANGE, 4-24" TANK DEPTHS 90424P**

**(Bend float arm as shown above for tanks less than 6" deep.)**

| SENDER TYPE | CODE | PART NUMBER |
|---|---|---|
| **Speedometer Pitot Tube (5-80 MPH):** | G | 56973P |

*(High accuracy at 5-35 MPH requires the use of Teleflex 5-35 MPH speedometers.)*

**Electric Speedometer Sender:** I

| | | |
|---|---|---|
| Replacement Sender Kit w/20' Wiring harness | I | 55907P |
| Paddlewheel & Bearing Repair Kit | | 55910P |

*(Paddlewheel & bearing shaft only.)*

**Temperature (Outboards, C-H range):** J

(Water Temp Gauge Kits contain gauge & parts shown at right.)

| | | |
|---|---|---|
| Replacement Sender Only, 1/8 NPT, 120°-240°F | J | 52320S010 |

***NOTE:*** *For Yamaha, also order adapter P/N 61886P.*

**Replacement 50°-250°F Temperature Sender:**

(For pre-1995 50°-250°F gauges only.)

| | | |
|---|---|---|
| | J | IA96035 |

***NOTE:*** *Not for C-H or 120-240°F gauges.*

| | | |
|---|---|---|
| **Engine Synchronizer Module (Std. Ignition):** | L | 1508370P |

| | | |
|---|---|---|
| **Temperature (100°-280°F, mechanical):** | Q | with gauge |

| | | |
|---|---|---|
| **Diesel Alternator Tachometers** | T | alternator |

***NOTE:*** *Alternator **must have an AC tap**, usually marked "AC", "R" or "W". If such a tap is not present, a local alternator repair shop can usually add one. Also, you will **need to know the number of magnetic poles** in your alternator. Consult the alternator maker or local alternator repair shop if you do not know this. Also, you will have to **calculate the pulley ratio** from crankshaft to alternator. Tachometers are factory calibrated for several combinations of poles and pulley ratios, **but in almost all cases you will need a Portable Master Shop Tachometer for initial calibration. See the Diesel Alternator Tach Guide in the Tech Reference section for calibration and switch settings.***

| | | |
|---|---|---|
| **Water Pressure (0-15/0-30/0-60 PSI):** | WP | with gauge |

(Water Pressure Gauge Kits contain gauge & parts shown at right.)

***NOTE:*** *For Yamaha, also order adapter P/N 61886P.*

**Ammeter Shunts (Direct-reading ammeters):** Z

| | | |
|---|---|---|
| Shunt for 60-0-60 Amp Ammeters | Z | 56246P |
| Shunt for 100-0-100 Amp Ammeters | Z | 54125P |

**Depth Sounder Transducers:**

*For 1992-date 2" Teleflex In-Dash Depth Sounders (199' models):*

| | | |
|---|---|---|
| Transom Mount (199' depth) | A A | 57045P |
| In-Hull Mount (199' depth) | A B | 57046P |
| 10-Foot Transducer Cable Extension | | 57047P |

**Depth & Temperature Gauge Transducers:**

*For 1997-date 2" Teleflex In-Dash Depth & Temp Gauges (600'):*

| | | |
|---|---|---|
| Transom Mount Depth/Water Temp. Sensor | BA | 61219P001 |
| In-Hull Depth Transducer | BB | 61225P |
| 10-Foot Transducer Cable Extension | | 61319P |

***NOTE: Depth and Depth/Temp transducers listed use a 200 MHz signal and are for Teleflex depth instruments only.***

***NOTE:*** *In-hull transducers are not suitable for metal or wooden boats, where lamination exceeds 3/4" (19mm) or contains foam, Kevlar®, aricore or wood flotation/reinforcing. These transducers must be epoxied in place without any gaps or voids in the epoxy or hull, or they will not function properly.*
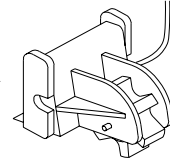
**Code "NONE REQ'D" or "N/R" or "-"**
*Gauge does not require a sender.*



**CODE G**
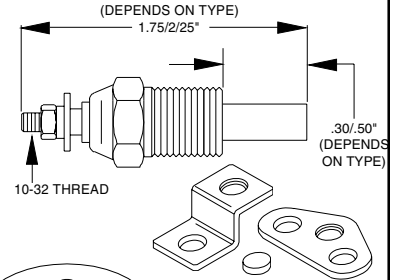**SPEEDOMETER PITOT TUBE**
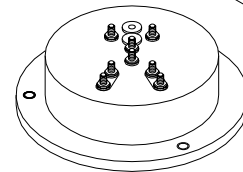**56973P**

**Fits Teleflex®, Medallion® and Faria® hole patterns!**
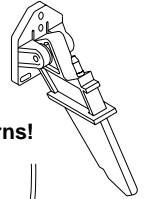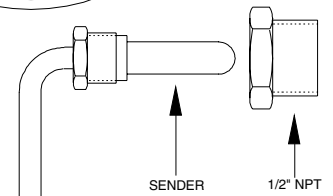
**CODE I**
**ELECTRIC SPEEDOMETER SENDER**

**CODE J**
**REPLACEMENT SENDERS, OUTBOARD TEMPERATURE**
**(Brackets included with gauge kits)**

(DEPENDS ON TYPE)
1.75/2/25"

.30/.50" (DEPENDS ON TYPE)

10-32 THREAD

**CODE L**
**ENGINE SYNCHRONIZER MODULE**

**CODE Q**
**WATER TEMP (MECHANICAL)**
**Fitting is 1/2-14 NPT thread**
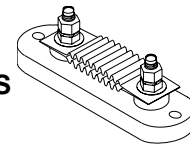
SENDER        1/2" NPT

**CODE T — DIESEL ALTERNATOR TACHOMETERS**
**See notes for Code "T" and Tech Reference Section.**

**CODE WP**
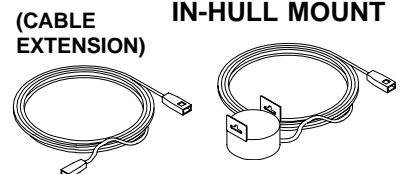**WATER PRESSURE**
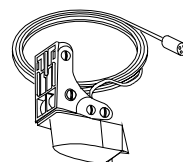**(Included with Outboard Water Pressure Kits.)**

PLASTIC TEE   BRASS TEE   ADAPTER: MALE PIPE TO TUBE   ADAPTER: FEMALE PIPE TO TUBE   ELBOW
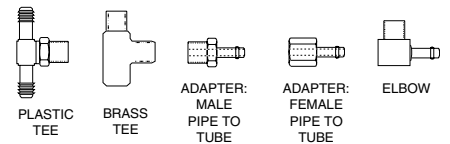
**CODE Z**
**AMMETER SHUNTS**

**CODE AA DEPTH (199')**
**TRANSOM MOUNT**
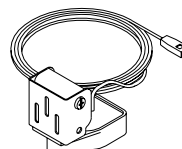
**CODE AB DEPTH (199') IN-HULL MOUNT**

**(CABLE EXTENSION)**

**CODE BA DEPTH & TEMP (600') TRANSOM MOUNT**

**CODE BB DEPTH (600') IN-HULL MOUNT**

**(CABLE EXTENSION)**