



Model: TM80/TM100

Serial #: See Table 1

Nov. 13, 2024

Product Bulletin # TM-034 Rev 1

Transducer Upgrade Kit

On certain Canrig Torq-Matic™ Wrenches, the transducer assembly mounting hardware is susceptible to vibration-induced failures, leading to potential damages. To address this issue, we have developed a new mounting mechanism designed to support transducers vertically, for both 3,000 psi and 5,000 psi versions, consolidating them into a centralized location. This mount is aimed at markedly reducing failure rates and mitigating damage risks in the event of mounting hardware failure.

NOTICE

Installing the new transducer mount assembly is not a required upgrade. It is an optional change that may be implemented for improved reliability.



Figure 1: Current 3,000 psi transducer mount



Figure 2: Current 5,000 psi transducer mount

Affected Units

This affects all Wrench models TM80 and TM100. Please see Table 1 below for affected serial numbers.

Table 1: TM Wrench Serial Numbers Affected

Model	Serial Numbers
TM80	TM800001 – TM800300
TM100	TM100001 – TM100081



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Recommended Actions

If you decide to install the revised transducer mount on Wrench models TM80/100, order the kit (Canrig P/N: AY52417 for 3,000 psi or Canrig P/N: AY25954 for 5,000 psi) including the new mount and required mounting hardware.

Contact Canrig Part Sales to order this kit (part.sales@canrig.com). See Table 2 and Table 3 for kit contents.

Table 2: Kit, Upgrade, Transducer, TM100, 3k psi (AY52417)

Item	Qty	Units	Description	P/N
01	1	Each	TRANSDUCER ASSEMBLY, 3K	AY51913
02	2	Each	CAPSCR, HEX SOC HD, 5/8-11UNC x 1.75	SH-0625NC-0175
03	2	Each	WASHER, F, 5/8, PLAIN, TYPE A	FW-0625-A
04	2	Each	BUMPER, SHOCK-ABSORBING, HIGH-LOAD	M11797
05	2	Each	EXTENSION, BUMPER STOP	DT52820
06	1	Each	PAD, TAP, BRACKET, TRANSDUCER, TM-80/100	DT52489
07	1	Each	PLATE, BUMPER MOUNT, TM100 WRENCH	DT55353
PT01	1	Each	HOSE ASSY, 1/4, SWV STR, 90 ST, 18.25	F797TC0639040404-18.25X-15
PT02	1	Each	HOSE ASSY, 1/4, SWV STR, 90 LG, 28.25	F797TC0641040404-28.25-X-25
PT03	1	Each	HOSE ASSY, 1/4, SWV STR, 90 ST, 24.9	F797TC0639040404-24.9-X-21.63
PT04	1	Each	HOSE ASSY, 1/4, SWV STR, 90 LG, 29	F797TC0641040404-29-X-25.75
PT05	1	Each	HOSE ASSY, 1/4, SWV STR, 90 ST, 40	F797TC0639040404-40-X-36.75
PT06	1	Each	HOSE ASSY, 1/4, SWV STR, 45 ELL, 25.5	F797TC0637040404-25.5-X-21.75
R01	6	Each	CAP NUT, 1/4 JIC	H11396
R02	25	Each	CABLE TIE, 8.0 IN LG, 18 LB	E10499

Table 3: Kit, Upgrade, Transducer, TM100, 5k psi (AY25954)

Item	Qty	Units	Description	P/N
01	1	Each	TRANSDUCER ASSEMBLY, 5K	AY52263
02	2	Each	CAPSCR, HEX SOC HD, 5/8-11UNC x 1.75	SH-0625NC-0175
03	2	Each	WASHER, F, 5/8, PLAIN, TYPE A	FW-0625-A
04	2	Each	BUMPER, SHOCK-ABSORBING, HIGH-LOAD	M11797
05	2	Each	EXTENSION, BUMPER STOP	DT52820
06	1	Each	PAD, TAP, BRACKET, TRANSDUCER, TM-80/100	DT52489
07	1	Each	PLATE, BUMPER MOUNT, TM100 WRENCH	DT55353
PT01	1	Each	HOSE ASSY, 1/4, SWV STR, 90 ST, 18.25	F797TC0639040404-18.25X-15



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Table 3: Kit, Upgrade, Transducer, TM100, 5k psi (AY25954) (Continued)

Item	Qty	Units	Description	P/N
PT02	1	Each	HOSE ASSY, 1/4, SWV STR, 90 LG, 28.25	F797TC0641040404-28.25-X-25
PT03	1	Each	HOSE ASSY, 1/4, SWV STR, 90 ST, 24.9	F797TC0639040404-24.9-X-21.63
PT04	1	Each	HOSE ASSY, 1/4, SWV STR, 90 LG, 29	F797TC0641040404-29-X-25.75
R01	6	Each	CAP NUT, 1/4 JIC	H11396
R02	25	Each	CABLE TIE, 8.0 IN LG, 18 LB	E10499

Modification Instruction

NOTICE

See drawings # AY52417 and AY25954 for further details.

1. Lock out/tag out (LOTO) the wrench prior to starting this procedure.

WARNING

Ensure there is no pressure on the hydraulic lines connected to the valve bank.

2. Remove connections from the transducers. Remove the existing mount from the frame.
3. If unit is already equipped with item 7, it will be 1/2" thick. Use item 5 as a 1/2" spacer. If item 7 needs to be installed, it is 1" thick so item 5 is no longer needed.
4. Install the new mount using hardware provided.
5. Reconnect hoses to the transducers and remove LOTO.

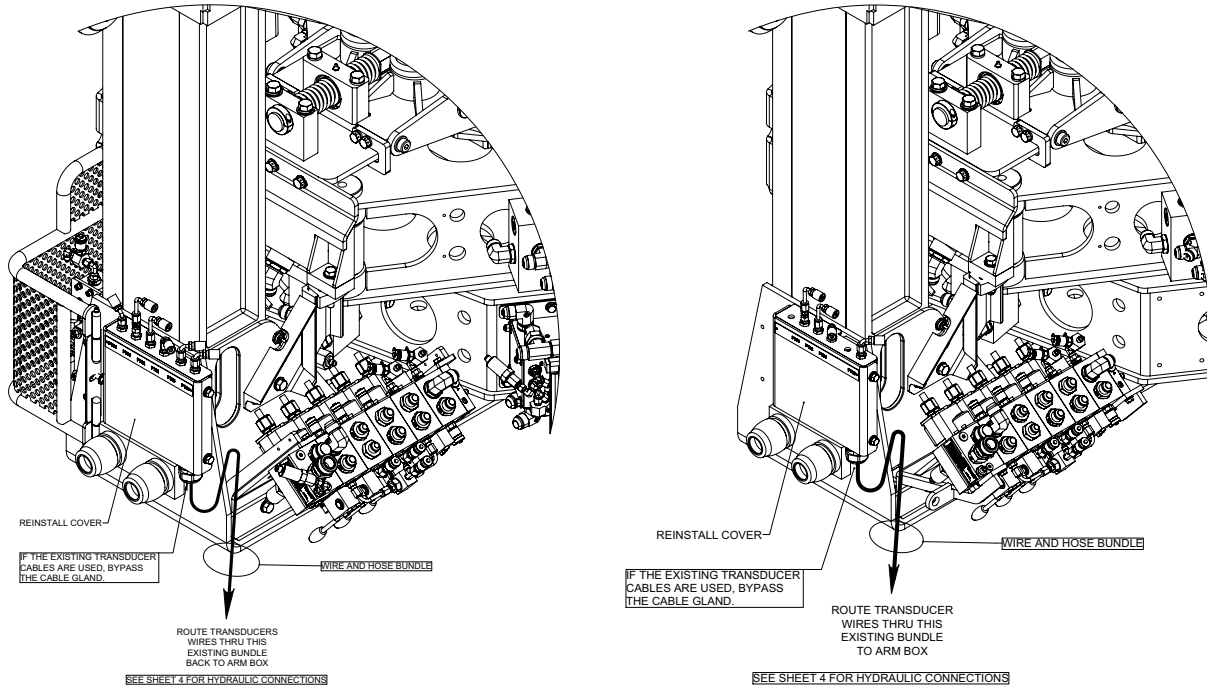


Figure 3: New transducer mount design as shown

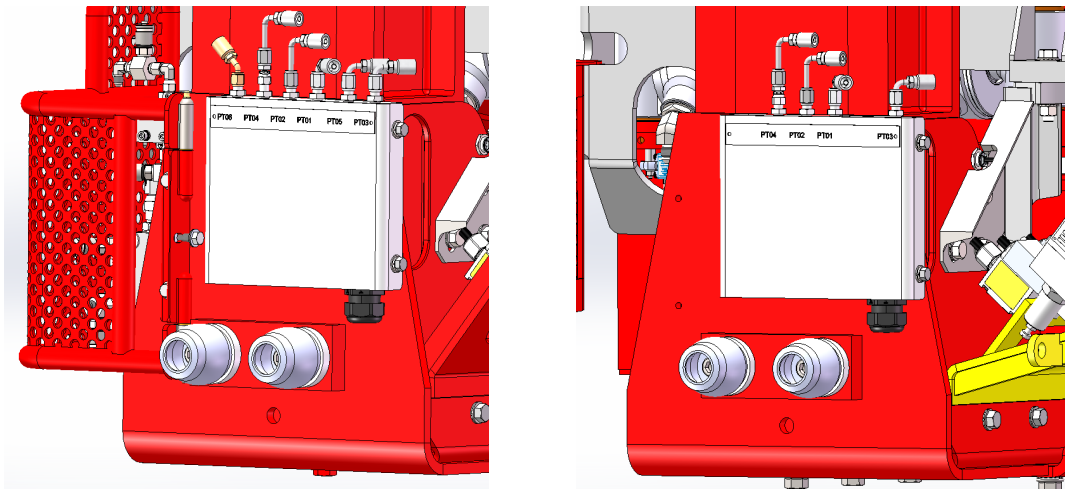


Figure 4: New transducer mount design as shown